

GOMOS Daily Report 29-APR-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	30APR2010 04:43:37
Data source version	GOMOS/5.00L04
Start time of products	29APR2010 00:02:35
Stop time of products	29APR2010 23:59:35
Store outputs in DB	Yes
Nb of level 1b prods	105
Nb of prods with errors	1

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

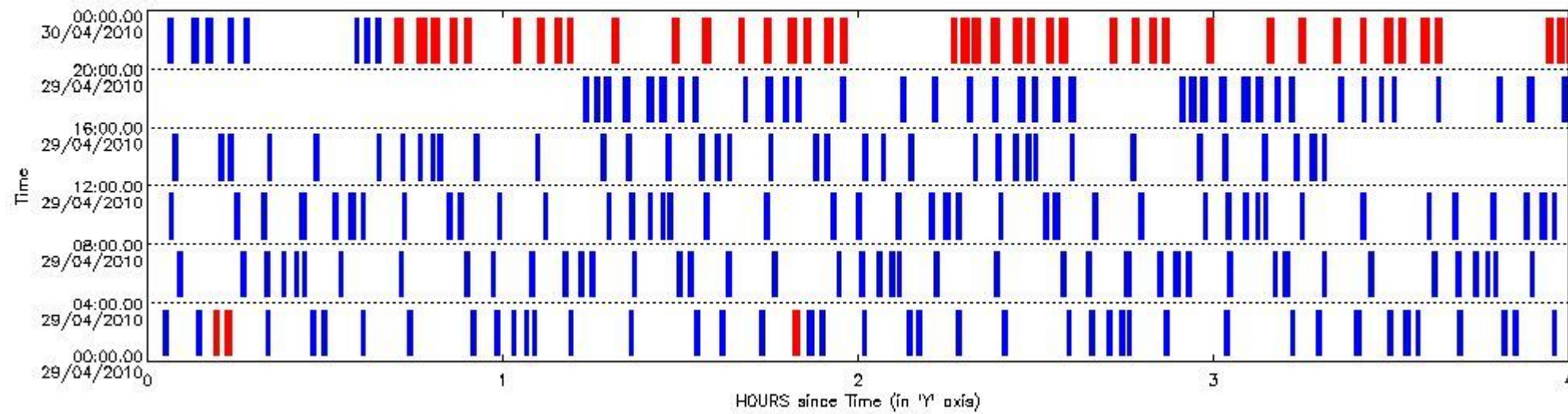
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
29-APR-2010 00:11:00	DSA1037	0	42669
29-APR-2010 00:13:04	GamGru	172	42669
29-APR-2010 01:48:54	49DelCap	142	42670
29-APR-2010 20:41:43	26EpsSco	75	42682
29-APR-2010 20:45:32	21AlpSco	16	42682
29-APR-2010 20:47:51	7DelSco	80	42682
29-APR-2010 20:51:05	9Alp2Lib	122	42682
29-APR-2010 20:53:26	27BetLib	104	42682
29-APR-2010 21:01:54	8EtaBoo	111	42682
29-APR-2010 21:05:43		83	42682
29-APR-2010 21:08:42	27GamBoo	180	42682
29-APR-2010 21:10:52	85EtaUMa	39	42682
29-APR-2010 21:18:19	14EtaDra	119	42682
29-APR-2010 21:28:31	5AlpCep	89	42682
29-APR-2010 21:33:44	50AlpCyg	19	42682

29-APR-2010 21:39:42	44EtaPeg	164	42682
29-APR-2010 21:44:05	54AlpPeg	90	42682
29-APR-2010 21:48:14	8EpsPeg	61	42682
29-APR-2010 21:50:40	34AlpAqr	162	42682
29-APR-2010 21:54:16	22BetAqr	154	42682
29-APR-2010 21:56:54	DSA1038	0	42682
29-APR-2010 22:15:37	BetAra	141	42683
29-APR-2010 22:17:24	TheSco	40	42683
29-APR-2010 22:19:08	35LamSco	25	42683
29-APR-2010 22:22:20	26EpsSco	75	42683
29-APR-2010 22:26:09	21AlpSco	16	42683
29-APR-2010 22:28:28	7DelSco	80	42683
29-APR-2010 22:31:41	9Alp2Lib	122	42683
29-APR-2010 22:34:02	27BetLib	104	42683
29-APR-2010 22:42:29	8EtaBoo	111	42683
29-APR-2010 22:46:18		83	42683
29-APR-2010 22:49:17	27GamBoo	180	42683
29-APR-2010 22:51:27	85EtaUMa	39	42683
29-APR-2010 22:58:54	14EtaDra	119	42683
29-APR-2010 23:09:06	5AlpCep	89	42683
29-APR-2010 23:14:19	50AlpCyg	19	42683
29-APR-2010 23:20:19	44EtaPeg	164	42683
29-APR-2010 23:24:41	54AlpPeg	90	42683
29-APR-2010 23:28:51	8EpsPeg	61	42683
29-APR-2010 23:31:17	34AlpAqr	162	42683
29-APR-2010 23:34:53	22BetAqr	154	42683
29-APR-2010 23:37:31	DSA1038	0	42683
29-APR-2010 23:56:14	BetAra	141	42684
29-APR-2010 23:58:01	TheSco	40	42684
29-APR-2010 23:59:44	35LamSco	25	42684

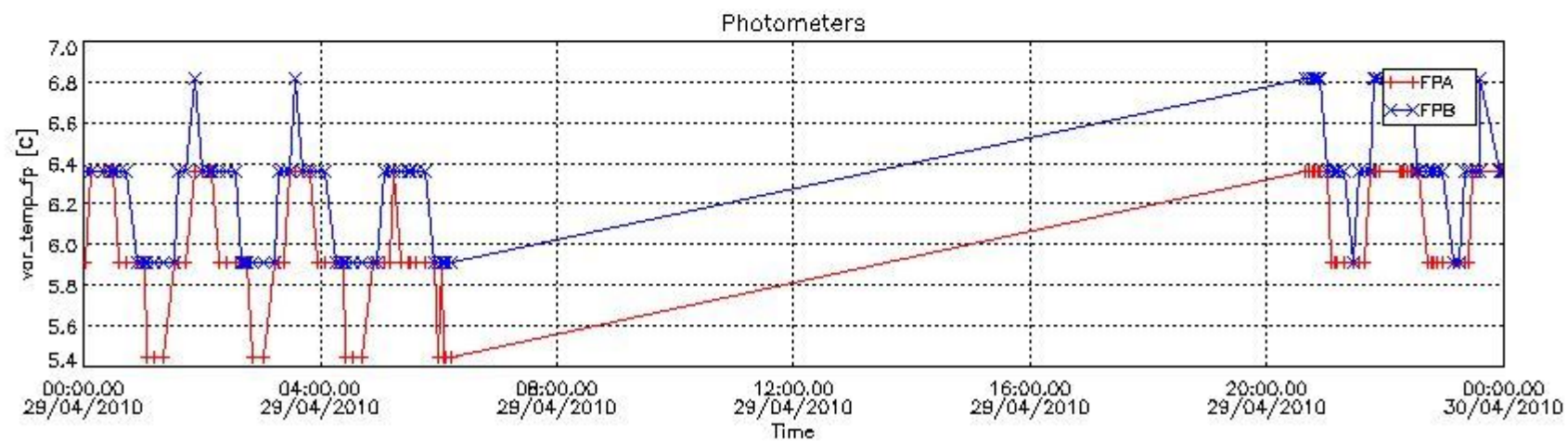
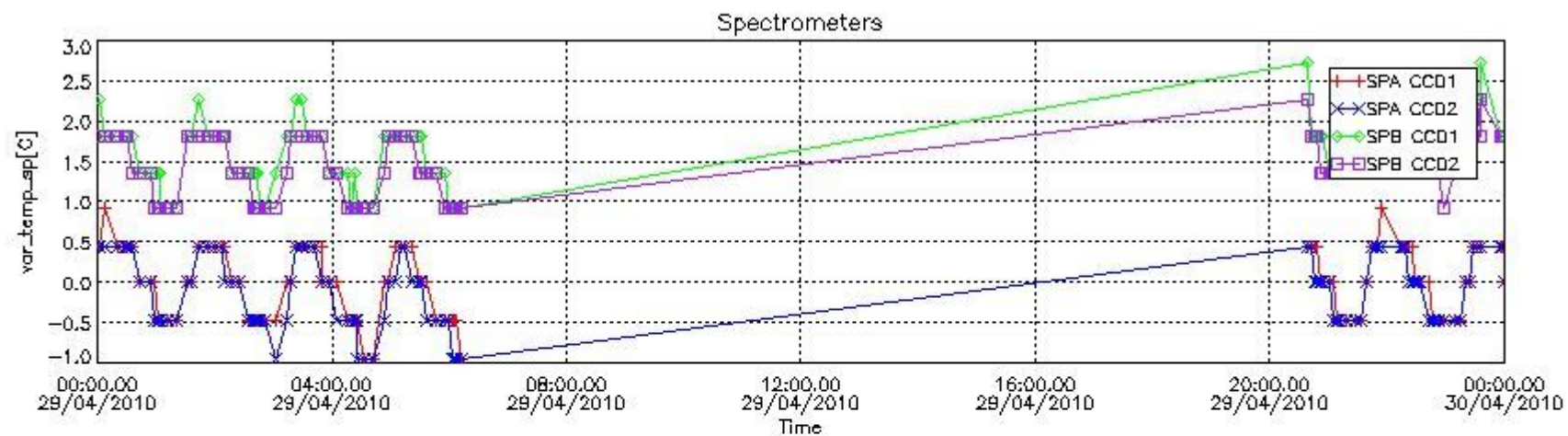
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100429_000235_000000512089_00030_42669_7352.N1	29-APR-2010 00:02:35	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	42669	No
2	GOM_TRA_1PNPDE20100429_000808_000000502089_00030_42669_7353.N1	29-APR-2010 00:08:08	Dark	50.000	142	49Del Cap	2.8500	8900.0	100	42669	No
3	GOM_TRA_1PNPDE20100429_001958_000000412089_00031_42670_7354.N1	29-APR-2010 00:19:58	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42670	No
4	GOM_TRA_1PNPDE20100429_002733_000000422089_00031_42670_7355.N1	29-APR-2010 00:27:33	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	42670	No
5	GOM_TRA_1PNPDE20100429_002916_000000522089_00031_42670_7356.N1	29-APR-2010 00:29:16	Straylight	51.500	40	The Sco	1.8590	7100.0	103	42670	No
6	GOM_TRA_1PNPDE20100429_003557_000000402089_00031_42670_7357.N1	29-APR-2010 00:35:57	Straylight	40.000	81	Eta Cen	2.3560	28000.	80	42670	No
7	GOM_TRA_1PNPDE20100429_004344_000000492089_00031_42670_7358.N1	29-APR-2010 00:43:44	Bright	49.000	122	9Alp2Lib	2.7470	9700.0	98	42670	No
8	GOM_TRA_1PNPDE20100429_005436_000000402089_00031_42670_7359.N1	29-APR-2010 00:54:36	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	42670	No
9	GOM_TRA_1PNPDE20100429_005829_000000482089_00031_42670_7360.N1	29-APR-2010 00:58:29	Bright	48.000	83		2.3780	11000.	96	42670	No
10	GOM_TRA_1PNPDE20100429_010127_000000422089_00031_42670_7361.N1	29-APR-2010 01:01:27	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	42670	No
11	GOM_TRA_1PNPDE20100429_010335_000000382089_00031_42670_7362.N1	29-APR-2010 01:03:35	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	42670	No
12	GOM_TRA_1PNPDE20100429_010452_000000382089_00031_42670_7363.N1	29-APR-2010 01:04:52	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	42670	No
13	GOM_TRA_1PNPDE20100429_011102_000000382089_00031_42670_7364.N1	29-APR-2010 01:11:02	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	42670	No
14	GOM_TRA_1PNPDE20100429_012114_000000442089_00031_42670_7365.N1	29-APR-2010 01:21:14	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	42670	No
15	GOM_TRA_1PNPDE20100429_013220_000000482089_00031_42670_7366.N1	29-APR-2010 01:32:20	Bright	47.500	164	44Eta Peg	2.9480	5400.0	95	42670	No
16	GOM_TRA_1PNPDE20100429_013641_000000452089_00031_42670_7367.N1	29-APR-2010 01:36:41	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	42670	No
17	GOM_TRA_1PNPDE20100429_014311_000000512089_00031_42670_7375.N1	29-APR-2010 01:43:11	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	42670	No
18	GOM_TRA_1PNPDE20100429_015332_000000412089_00031_42670_7376.N1	29-APR-2010 01:53:32	Dark	41.000	172	Gam Gru	3.0030	13100.	82	42670	No
19	GOM_TRA_1PNPDE20100429_020034_000000432089_00032_42671_7377.N1	29-APR-2010 02:00:34	Dark	43.000	45	Alp Pav	1.9400	26000.	86	42671	No
20	GOM_TRA_1PNPDE20100429_020810_000000542089_00032_42671_7378.N1	29-APR-2010 02:08:10	Straylight	54.000	141	Bet Ara	2.8400	4600.0	108	42671	No
21	GOM_TRA_1PNPDE20100429_020953_000000522089_00032_42671_7379.N1	29-APR-2010 02:09:53	Straylight	51.500	40	The Sco	1.8590	7100.0	103	42671	No
22	GOM_TRA_1PNPDE20100429_021633_000000432089_00032_42671_7380.N1	29-APR-2010 02:16:33	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42671	No
23	GOM_TRA_1PNPDE20100429_022419_000000462089_00032_42671_7381.N1	29-APR-2010 02:24:19	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	42671	No
24	GOM_TRA_1PNPDE20100429_023512_000000412089_00032_42671_7382.N1	29-APR-2010 02:35:12	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	42671	No

25	GOM_TRA_1PNPDE20100429_023905_000000492089_00032_42671_7383.N1	29-APR-2010 02:39:05	Bright	49.000	83		2.3780	11000.	98	42671	No
26	GOM_TRA_1PNPDE20100429_024203_000000422089_00032_42671_7384.N1	29-APR-2010 02:42:03	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	42671	No
27	GOM_TRA_1PNPDE20100429_024410_000000382089_00032_42671_7385.N1	29-APR-2010 02:44:10	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	42671	No
28	GOM_TRA_1PNPDE20100429_024527_000000382089_00032_42671_7386.N1	29-APR-2010 02:45:27	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	42671	No
29	GOM_TRA_1PNPDE20100429_025138_000000392089_00032_42671_7387.N1	29-APR-2010 02:51:38	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42671	No
30	GOM_TRA_1PNPDE20100429_030150_000000422089_00032_42671_7404.N1	29-APR-2010 03:01:50	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42671	No
31	GOM_TRA_1PNPDE20100429_031256_000000452089_00032_42671_7405.N1	29-APR-2010 03:12:56	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	42671	No
32	GOM_TRA_1PNPDE20100429_031717_000000462089_00032_42671_7406.N1	29-APR-2010 03:17:17	Twilight	46.000	90	54Alp Peg	2.4870	11000.	92	42671	No
33	GOM_TRA_1PNPDE20100429_032348_000000552089_00032_42671_7407.N1	29-APR-2010 03:23:48	Dark	54.500	162	34Alp Aqr	2.9440	5350.0	109	42671	No
34	GOM_TRA_1PNPDE20100429_032922_000000502089_00032_42671_7408.N1	29-APR-2010 03:29:22	Dark	50.000	142	49Del Cap	2.8500	8900.0	100	42671	No
35	GOM_TRA_1PNPDE20100429_033409_000000442089_00032_42671_7409.N1	29-APR-2010 03:34:09	Dark	43.500	172	Gam Gru	3.0030	13100.	87	42671	No
36	GOM_TRA_1PNPDE20100429_034111_000000462089_00033_42672_7410.N1	29-APR-2010 03:41:11	Dark	45.500	45	Alp Pav	1.9400	26000.	91	42672	No
37	GOM_TRA_1PNPDE20100429_034846_000000452089_00033_42672_7411.N1	29-APR-2010 03:48:46	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	42672	No
38	GOM_TRA_1PNPDE20100429_035030_000000552089_00033_42672_7412.N1	29-APR-2010 03:50:30	Straylight	55.000	40	The Sco	1.8590	7100.0	110	42672	No
39	GOM_TRA_1PNPDE20100429_035710_000000422089_00033_42672_7413.N1	29-APR-2010 03:57:10	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	42672	No
40	GOM_TRA_1PNPDE20100429_040456_000000472089_00033_42672_7414.N1	29-APR-2010 04:04:56	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	42672	No
41	GOM_TRA_1PNPDE20100429_041547_000000392089_00033_42672_7415.N1	29-APR-2010 04:15:47	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	42672	No
42	GOM_TRA_1PNPDE20100429_041940_000000482089_00033_42672_7416.N1	29-APR-2010 04:19:40	Bright	48.000	83		2.3780	11000.	96	42672	No
43	GOM_TRA_1PNPDE20100429_042238_000000412089_00033_42672_7417.N1	29-APR-2010 04:22:38	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42672	No
44	GOM_TRA_1PNPDE20100429_042446_000000382089_00033_42672_7418.N1	29-APR-2010 04:24:46	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	42672	No
45	GOM_TRA_1PNPDE20100429_042603_000000382089_00033_42672_7419.N1	29-APR-2010 04:26:03	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	42672	No
46	GOM_TRA_1PNPDE20100429_043214_000000392089_00033_42672_7420.N1	29-APR-2010 04:32:14	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42672	No
47	GOM_TRA_1PNPDE20100429_044225_000000432089_00033_42672_7428.N1	29-APR-2010 04:42:25	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	42672	No
48	GOM_TRA_1PNPDE20100429_045333_000000432089_00033_42672_7429.N1	29-APR-2010 04:53:33	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	42672	No
49	GOM_TRA_1PNPDE20100429_045754_000000442089_00033_42672_7430.N1	29-APR-2010 04:57:54	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	42672	No
50	GOM_TRA_1PNPDE20100429_050425_000000552089_00033_42672_7431.N1	29-APR-2010 05:04:25	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	42672	No
51	GOM_TRA_1PNPDE20100429_050959_000000522089_00033_42672_7432.N1	29-APR-2010 05:09:59	Dark	51.500	142	49Del Cap	2.8500	8900.0	103	42672	No
52	GOM_TRA_1PNPDE20100429_051445_000000412089_00033_42672_7433.N1	29-APR-2010 05:14:45	Dark	41.000	172	Gam Gru	3.0030	13100.	82	42672	No
53	GOM_TRA_1PNPDE20100429_052147_000000412089_00034_42673_7434.N1	29-APR-2010 05:21:47	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42673	No
54	GOM_TRA_1PNPDE20100429_052923_000000432089_00034_42673_7435.N1	29-APR-2010 05:29:23	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	42673	No
55	GOM_TRA_1PNPDE20100429_053107_000000572089_00034_42673_7436.N1	29-APR-2010 05:31:07	Straylight	57.000	40	The Sco	1.8590	7100.0	114	42673	No
56	GOM_TRA_1PNPDE20100429_053746_000000412089_00034_42673_7437.N1	29-APR-2010 05:37:46	Straylight	40.500	81	Eta Cen	2.3560	28000.	81	42673	No
57	GOM_TRA_1PNPDE20100429_054532_000000462089_00034_42673_7438.N1	29-APR-2010 05:45:32	Bright	45.500	122	9Alp2Lib	2.7470	9700.0	91	42673	No
58	GOM_TRA_1PNPDE20100429_055623_000000412089_00034_42673_7439.N1	29-APR-2010 05:56:23	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	42673	No
59	GOM_TRA_1PNPDE20100429_060015_000000492089_00034_42673_7440.N1	29-APR-2010 06:00:15	Bright	49.000	83		2.3780	11000.	98	42673	No
60	GOM_TRA_1PNPDE20100429_060314_000000422089_00034_42673_7441.N1	29-APR-2010 06:03:14	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	42673	No
61	GOM_TRA_1PNPDE20100429_060522_000000382089_00034_42673_7442.N1	29-APR-2010 06:05:22	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	42673	No
62	GOM_TRA_1PNPDE20100429_060639_000000372089_00034_42673_7443.N1	29-APR-2010 06:06:39	Bright	37.000	55	79Zet UMa	2.0600	10200.	74	42673	No
63	GOM_TRA_1PNPDE20100429_061250_000000382089_00034_42673_7444.N1	29-APR-2010 06:12:50	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	42673	No
64	GOM_TRA_1PNPDE20100429_203822_000000582089_00043_42682_7551.N1	29-APR-2010 20:38:22	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	42682	Yes
65	GOM_TRA_1PNPDE20100429_204134_000000622089_00043_42682_7552.N1	29-APR-2010 20:41:34	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	42682	No
66	GOM_TRA_1PNPDE20100429_204523_000000812089_00043_42682_7553.N1	29-APR-2010 20:45:23	Tw_and_stray	81.000	16	21Alp Sco	1.0200	3000.0	162	42682	No
67	GOM_TRA_1PNPDE20100429_204742_000000622089_00043_42682_7554.N1	29-APR-2010 20:47:42	Tw_and_stray	61.500	80	7Del Sco	2.3160	30000.	123	42682	No
68	GOM_TRA_1PNPDE20100429_205056_000000482089_00043_42682_7555.N1	29-APR-2010 20:50:56	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	42682	No
69	GOM_TRA_1PNPDE20100429_205317_000000502089_00043_42682_7556.N1	29-APR-2010 20:53:17	Bright	49.500	104	27Bet Lib	2.6140	13100.	99	42682	No
70	GOM_TRA_1PNPDE20100429_210145_000000382089_00043_42682_7557.N1	29-APR-2010 21:01:45	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	42682	No
71	GOM_TRA_1PNPDE20100429_210534_000000492089_00043_42682_7558.N1	29-APR-2010 21:05:34	Bright	48.500	83		2.3780	11000.	97	42682	No
72	GOM_TRA_1PNPDE20100429_210833_000000432089_00043_42682_7559.N1	29-APR-2010 21:08:33	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	42682	No
73	GOM_TRA_1PNPDE20100429_211043_000000402089_00043_42682_7560.N1	29-APR-2010 21:10:43	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	42682	No
74	GOM_TRA_1PNPDE20100429_211810_000000452089_00043_42682_7561.N1	29-APR-2010 21:18:10	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42682	No
75	GOM_TRA_1PNPDE20100429_212822_000000422089_00043_42682_7562.N1	29-APR-2010 21:28:22	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42682	No
76	GOM_TRA_1PNPDE20100429_213334_000000612089_00043_42682_7563.N1	29-APR-2010 21:33:34	Bright	60.500	19	50Alp Cyg	1.2460	10500.	121	42682	No
77	GOM_TRA_1PNPDE20100429_213934_000000442089_00043_42682_7564.N1	29-APR-2010 21:39:34	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	42682	No
78	GOM_TRA_1PNPDE20100429_214356_000000452089_00043_42682_7565.N1	29-APR-2010 21:43:56	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	42682	No
79	GOM_TRA_1PNPDE20100429_214805_000000662089_00043_42682_7566.N1	29-APR-2010 21:48:05	Dark	65.500	61	8Eps Peg	2.1000	3900.0	131	42682	No
80	GOM_TRA_1PNPDE20100429_215032_000000542089_00043_42682_7567.N1	29-APR-2010 21:50:32	Dark	53.500	162	34Alp Aqr	2.9440	5350.0	107	42682	No
81	GOM_TRA_1PNPDE20100429_215407_000000602089_00043_42682_7571.N1	29-APR-2010 21:54:07	Dark	60.000	154	22Bet Aqr	2.8990	5700.0	120	42682	No
82	GOM_TRA_1PNPDE20100429_221529_000000442089_00044_42683_7572.N1	29-APR-2010 22:15:29	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	42683	No
83	GOM_TRA_1PNPDE20100429_221715_000000552089_00044_42683_7573.N1	29-APR-2010 22:17:15	Straylight	55.000	40	The Sco	1.8590	7100.0	110	42683	No

84	GOM_TRA_1PNPDE20100429_221859_000000622089_00044_42683_7574.N1	29-APR-2010 22:18:59	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	42683	No
85	GOM_TRA_1PNPDE20100429_222211_000000582089_00044_42683_7575.N1	29-APR-2010 22:22:11	Straylight	58.000	75	26Eps Sco	2.2910	4250.0	116	42683	No
86	GOM_TRA_1PNPDE20100429_222600_000000772089_00044_42683_7576.N1	29-APR-2010 22:26:00	Twilight	77.000	16	21Alp Sco	1.0200	3000.0	154	42683	No
87	GOM_TRA_1PNPDE20100429_222819_000000612089_00044_42683_7577.N1	29-APR-2010 22:28:19	Twilight	61.000	80	7Del Sco	2.3160	30000.	122	42683	No
88	GOM_TRA_1PNPDE20100429_223132_000000472089_00044_42683_7578.N1	29-APR-2010 22:31:32	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	42683	No
89	GOM_TRA_1PNPDE20100429_223354_000000492089_00044_42683_7579.N1	29-APR-2010 22:33:54	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	42683	No
90	GOM_TRA_1PNPDE20100429_224220_000000392089_00044_42683_7580.N1	29-APR-2010 22:42:20	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	42683	No
91	GOM_TRA_1PNPDE20100429_224609_000000442089_00044_42683_7581.N1	29-APR-2010 22:46:09	Bright	44.000	83		2.3780	11000.	88	42683	No
92	GOM_TRA_1PNPDE20100429_224909_000000412089_00044_42683_7582.N1	29-APR-2010 22:49:09	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	42683	No
93	GOM_TRA_1PNPDE20100429_225119_000000412089_00044_42683_7583.N1	29-APR-2010 22:51:19	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	42683	No
94	GOM_TRA_1PNPDE20100429_225845_000000462089_00044_42683_7584.N1	29-APR-2010 22:58:45	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	42683	No
95	GOM_TRA_1PNPDE20100429_230857_000000442089_00044_42683_7585.N1	29-APR-2010 23:08:57	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	42683	No
96	GOM_TRA_1PNPDE20100429_231410_000000592089_00044_42683_7586.N1	29-APR-2010 23:14:10	Bright	59.000	19	50Alp Cyg	1.2460	10500.	118	42683	No
97	GOM_TRA_1PNPDE20100429_232009_000000472089_00044_42683_7587.N1	29-APR-2010 23:20:09	Bright	47.000	164	44Eta Peg	2.9480	5400.0	94	42683	No
98	GOM_TRA_1PNPDE20100429_232432_000000432089_00044_42683_7588.N1	29-APR-2010 23:24:32	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	42683	No
99	GOM_TRA_1PNPDE20100429_232842_000000662089_00044_42683_7589.N1	29-APR-2010 23:28:42	Dark	65.500	61	8Eps Peg	2.1000	3900.0	131	42683	No
100	GOM_TRA_1PNPDE20100429_233108_000000552089_00044_42683_7590.N1	29-APR-2010 23:31:08	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	42683	No
101	GOM_TRA_1PNPDE20100429_233444_000000532089_00044_42683_7591.N1	29-APR-2010 23:34:44	Dark	53.000	154	22Bet Aqr	2.8990	5700.0	106	42683	No
102	GOM_TRA_1PNPDE20100429_233444_000000602089_00044_42683_7591.N1	29-APR-2010 23:34:44	Dark	60.000	154	22Bet Aqr	2.8990	5700.0	120	42683	No
103	GOM_TRA_1PNPDE20100429_235605_000000432089_00045_42684_7592.N1	29-APR-2010 23:56:05	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	42684	No
104	GOM_TRA_1PNPDE20100429_235752_000000562089_00045_42684_7593.N1	29-APR-2010 23:57:52	Straylight	55.500	40	The Sco	1.8590	7100.0	111	42684	No
105	GOM_TRA_1PNPDE20100429_235935_000000622089_00045_42684_7594.N1	29-APR-2010 23:59:35	Straylight	62.000	25	35Lam Sco	1.6200	28000.	124	42684	No

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



4. Overview of dark signal processing per product

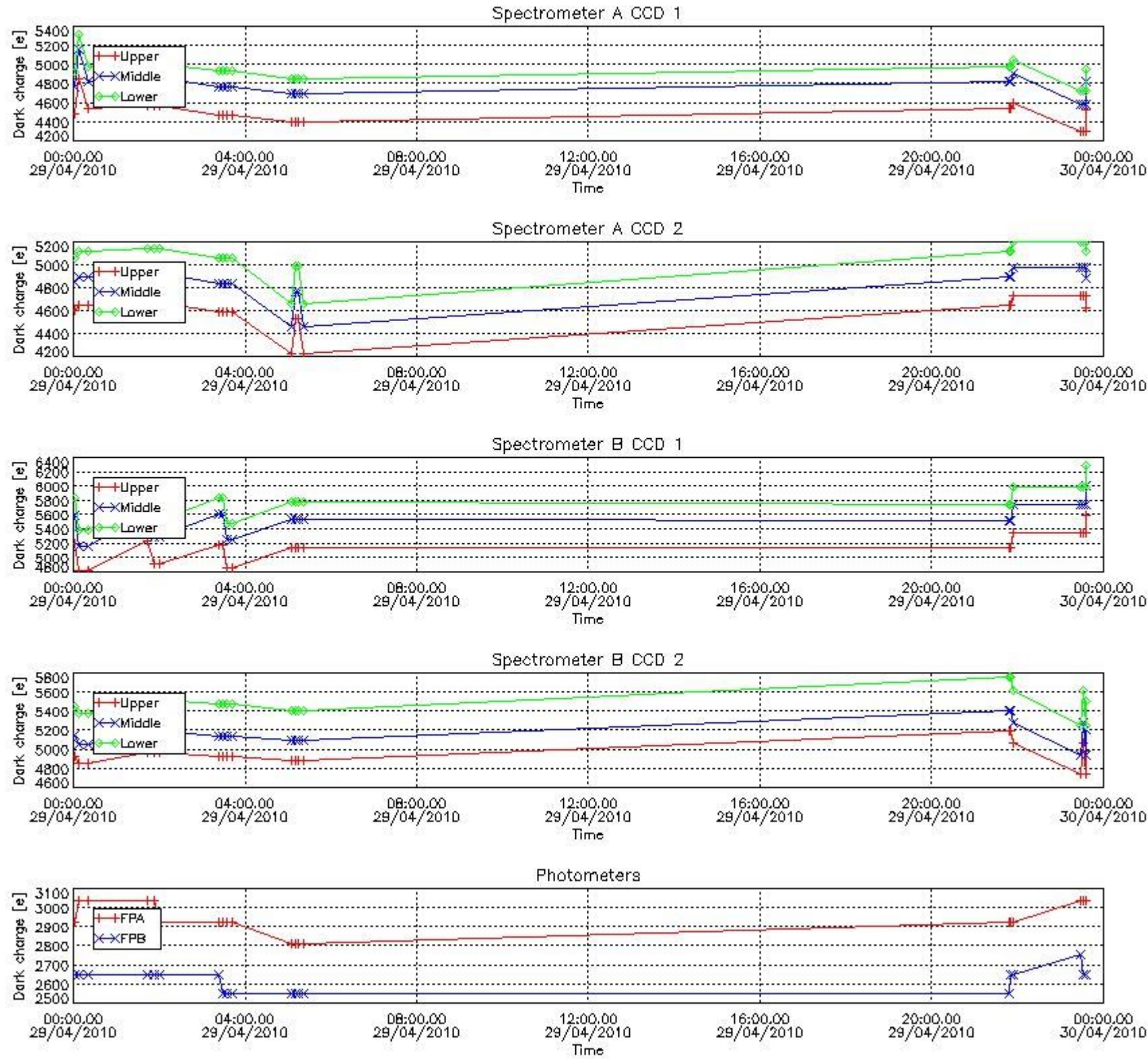
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100429_000808_000000502089_00030_42669_7353.N1	DC map used
GOM_TRA_1PNPDE20100429_001958_000000412089_00031_42670_7354.N1	DC map used
GOM_TRA_1PNPDE20100429_002733_000000422089_00031_42670_7355.N1	DC map used
GOM_TRA_1PNPDE20100429_002916_000000522089_00031_42670_7356.N1	DC map used
GOM_TRA_1PNPDE20100429_003557_000000402089_00031_42670_7357.N1	DC map used
GOM_TRA_1PNPDE20100429_004344_000000492089_00031_42670_7358.N1	DC map used
GOM_TRA_1PNPDE20100429_005436_000000402089_00031_42670_7359.N1	DC map used
GOM_TRA_1PNPDE20100429_005829_000000482089_00031_42670_7360.N1	DC map used
GOM_TRA_1PNPDE20100429_010127_000000422089_00031_42670_7361.N1	DC map used
GOM_TRA_1PNPDE20100429_010335_000000382089_00031_42670_7362.N1	DC map used
GOM_TRA_1PNPDE20100429_010452_000000382089_00031_42670_7363.N1	DC map used
GOM_TRA_1PNPDE20100429_011102_000000382089_00031_42670_7364.N1	DC map used
GOM_TRA_1PNPDE20100429_012114_000000442089_00031_42670_7365.N1	DC map used
GOM_TRA_1PNPDE20100429_013220_000000482089_00031_42670_7366.N1	DC map used
GOM_TRA_1PNPDE20100429_013641_000000452089_00031_42670_7367.N1	DC map used
GOM_TRA_1PNPDE20100429_203822_000000582089_00043_42682_7551.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100429_204134_000000622089_00043_42682_7552.N1	DC map used
GOM_TRA_1PNPDE20100429_204523_000000812089_00043_42682_7553.N1	DC map used
GOM_TRA_1PNPDE20100429_204742_000000622089_00043_42682_7554.N1	DC map used
GOM_TRA_1PNPDE20100429_205056_000000482089_00043_42682_7555.N1	DC map used
GOM_TRA_1PNPDE20100429_205317_000000502089_00043_42682_7556.N1	DC map used
GOM_TRA_1PNPDE20100429_210145_000000382089_00043_42682_7557.N1	DC map used
GOM_TRA_1PNPDE20100429_210534_000000492089_00043_42682_7558.N1	DC map used
GOM_TRA_1PNPDE20100429_210833_000000432089_00043_42682_7559.N1	DC map used
GOM_TRA_1PNPDE20100429_211043_000000402089_00043_42682_7560.N1	DC map used
GOM_TRA_1PNPDE20100429_211810_000000452089_00043_42682_7561.N1	DC map used
GOM_TRA_1PNPDE20100429_212822_000000422089_00043_42682_7562.N1	DC map used
GOM_TRA_1PNPDE20100429_213334_000000612089_00043_42682_7563.N1	DC map used
GOM_TRA_1PNPDE20100429_213934_000000442089_00043_42682_7564.N1	DC map used
GOM_TRA_1PNPDE20100429_214356_000000452089_00043_42682_7565.N1	DC map used
GOM_TRA_1PNPDE20100429_214805_000000662089_00043_42682_7566.N1	DC map used
GOM_TRA_1PNPDE20100429_215032_000000542089_00043_42682_7567.N1	DC map used

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



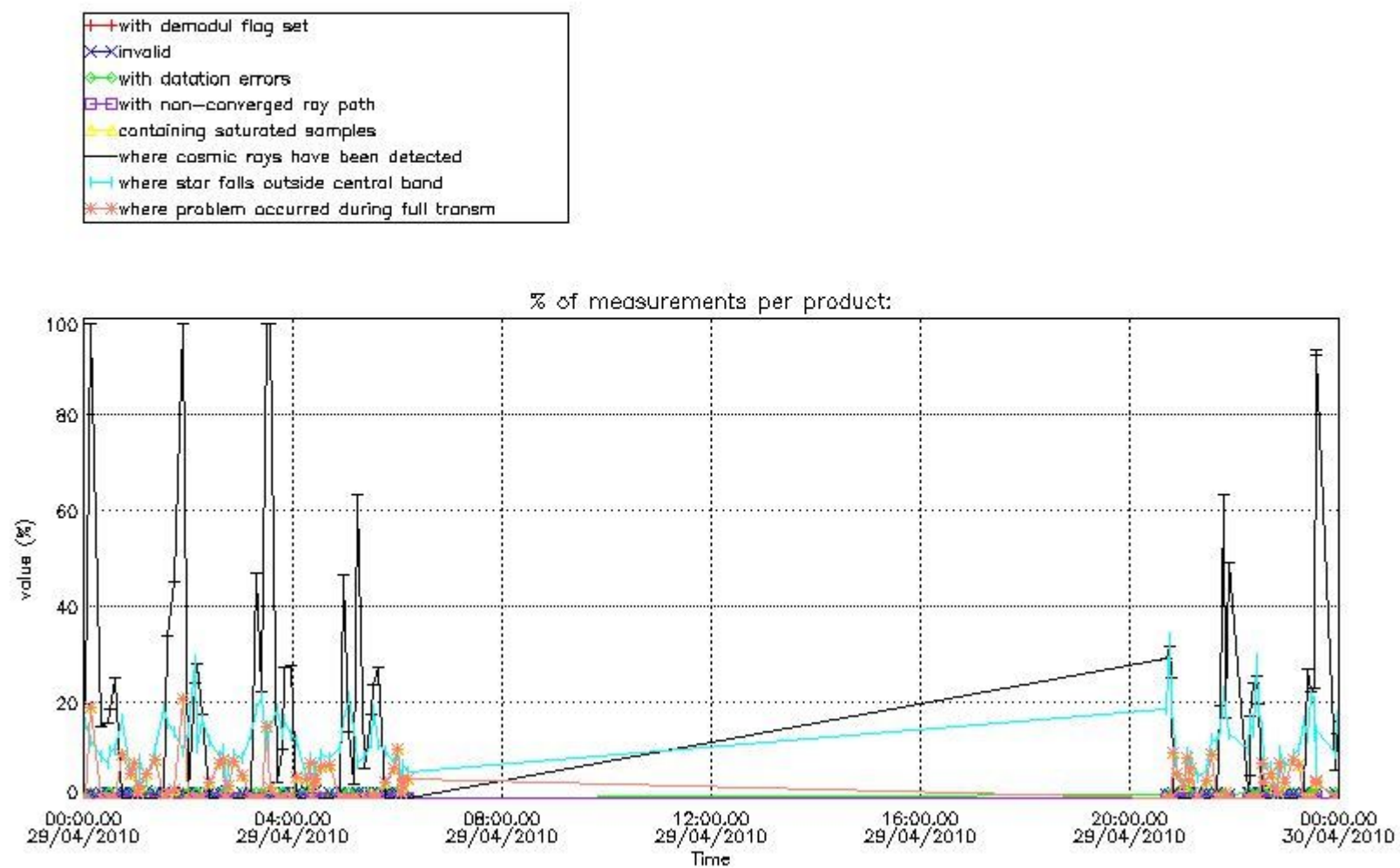
5. Demodulation flag and quality information monitoring

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.

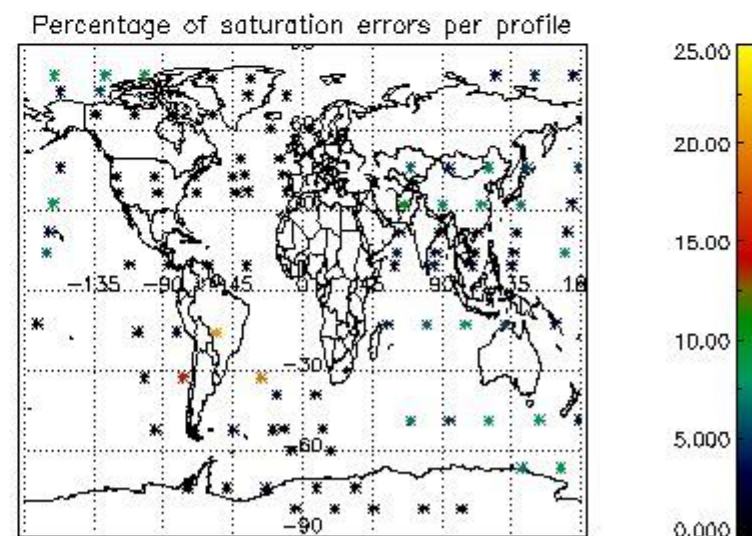
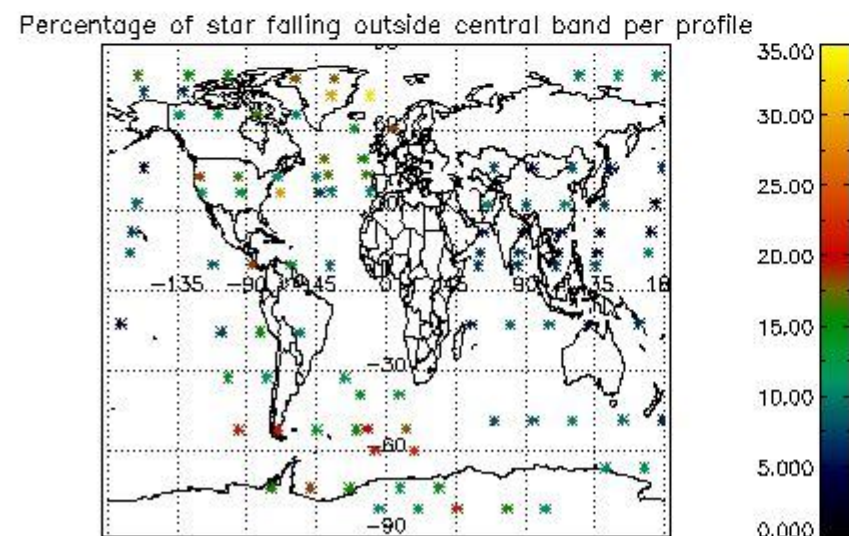
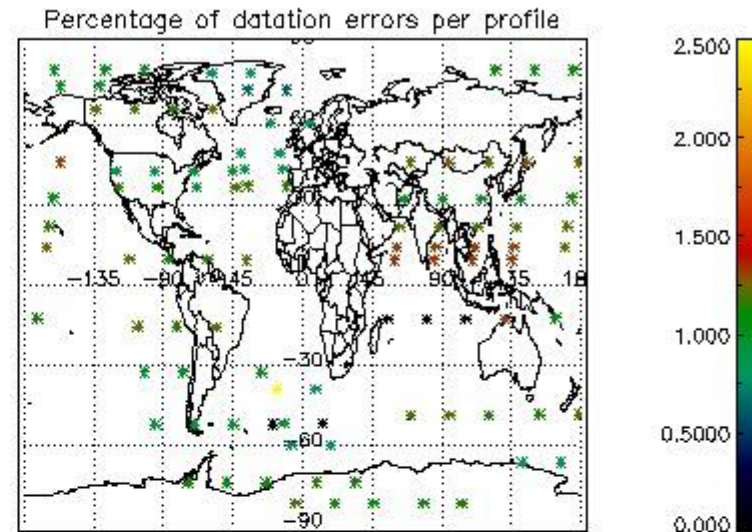
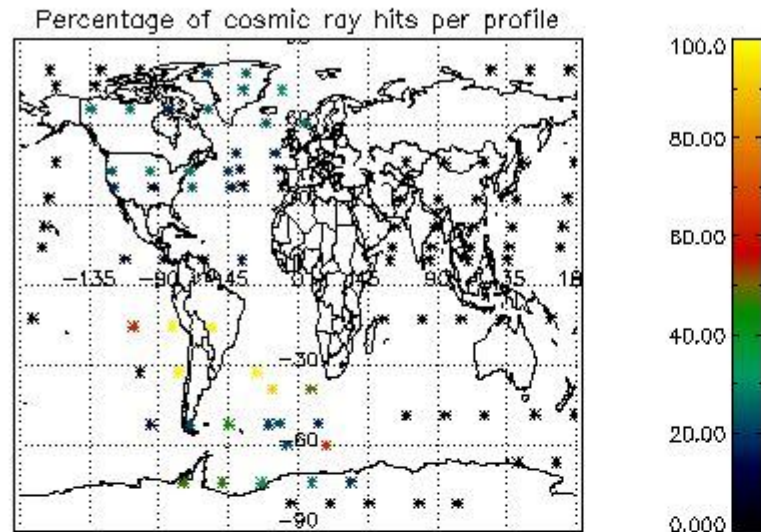
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	39.4231 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



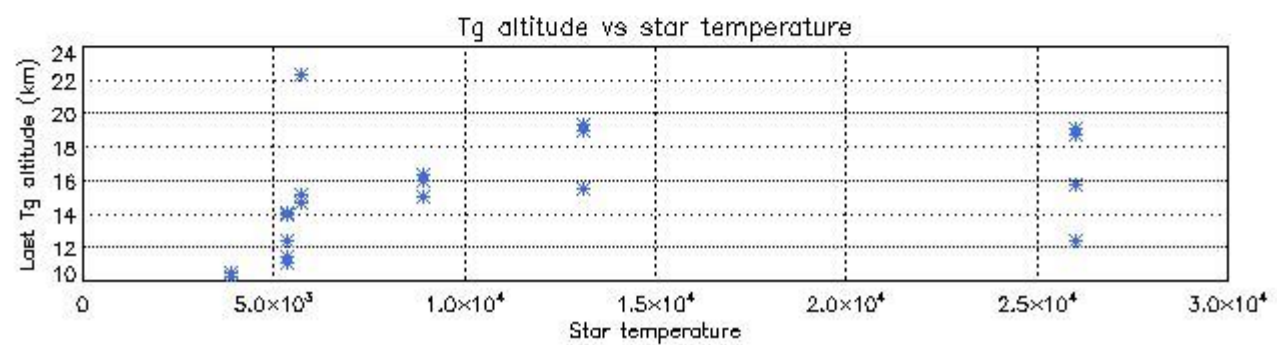
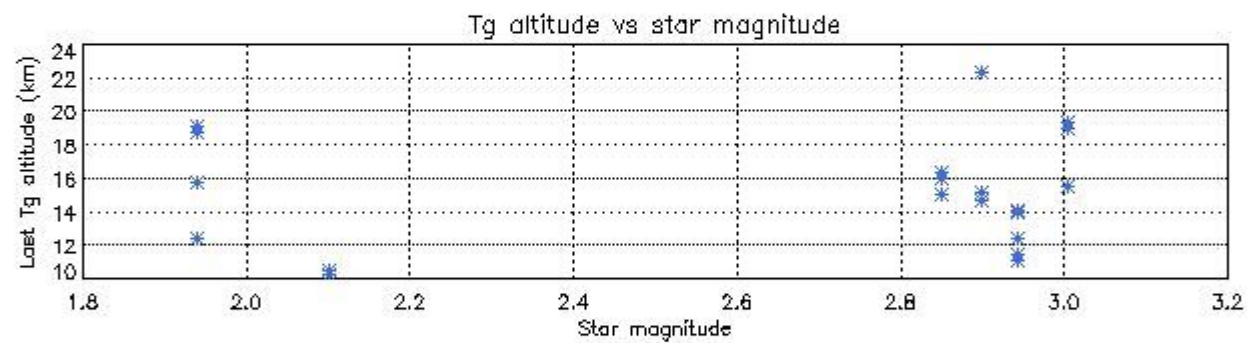
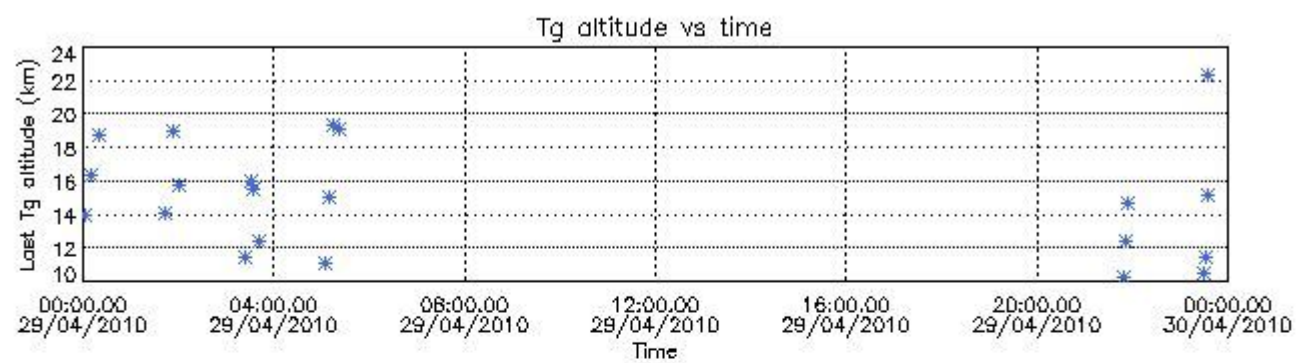
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.963	19.576	13.038
St. deviation:	3.3413	3.0476	1.1536
Maximum:	22.376	25.124	14.786
Minimum:	10.236	11.992	11.569
Number of data:	21.000	54.000	5.0000

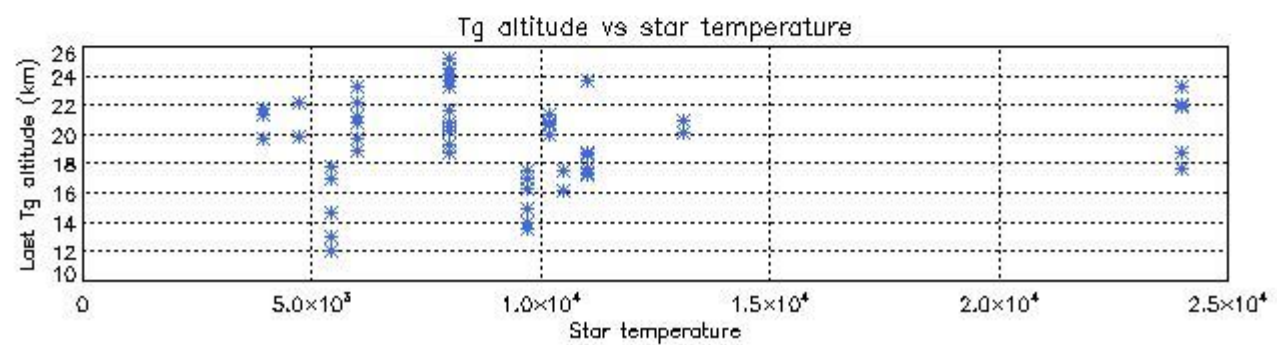
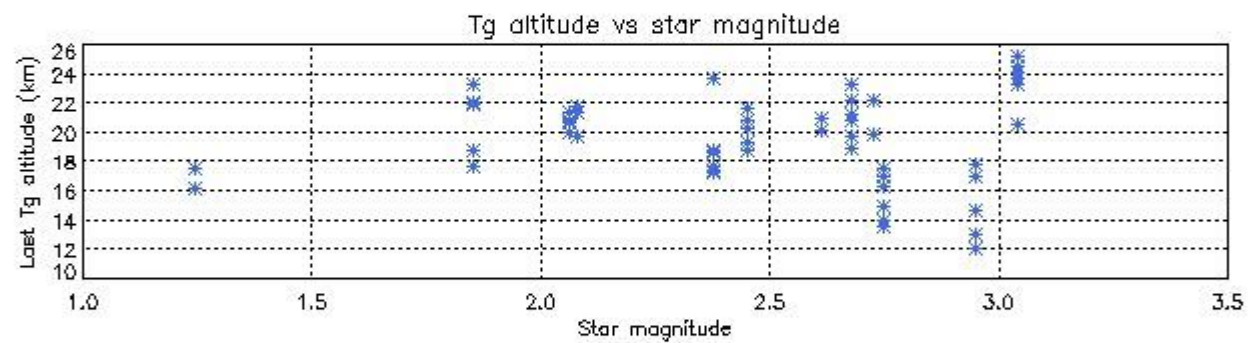
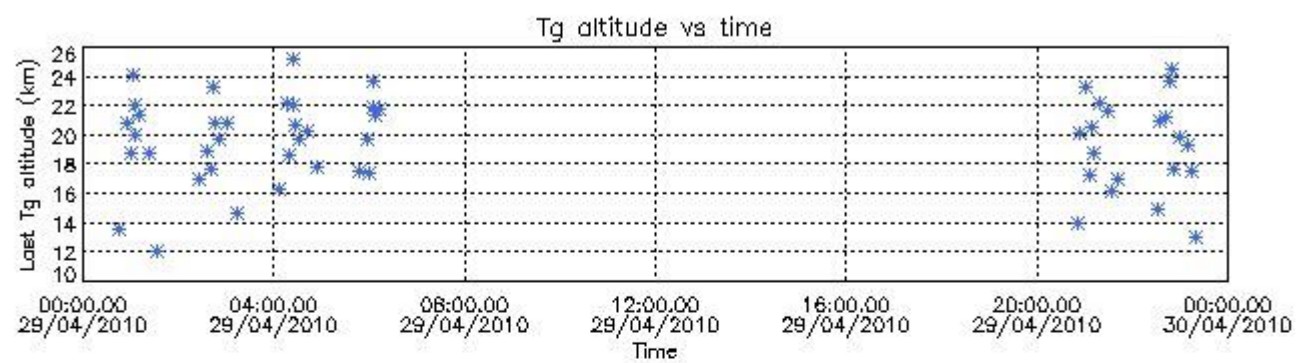
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



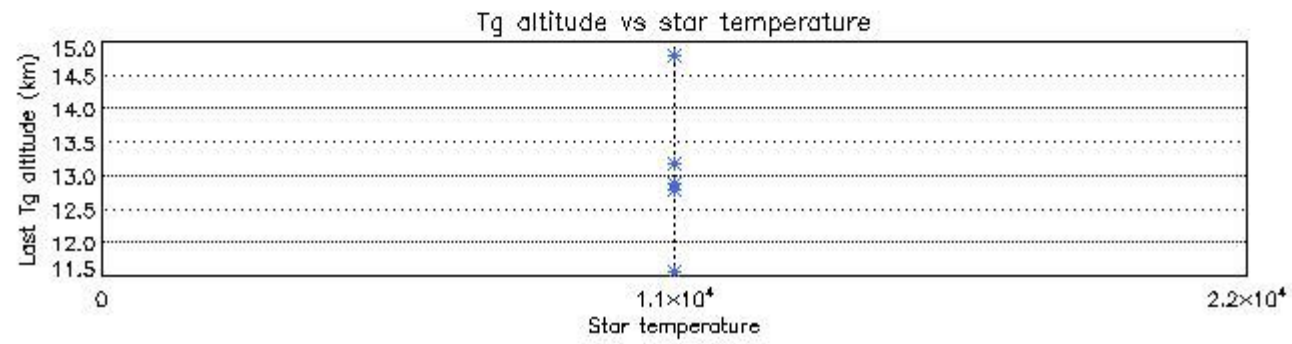
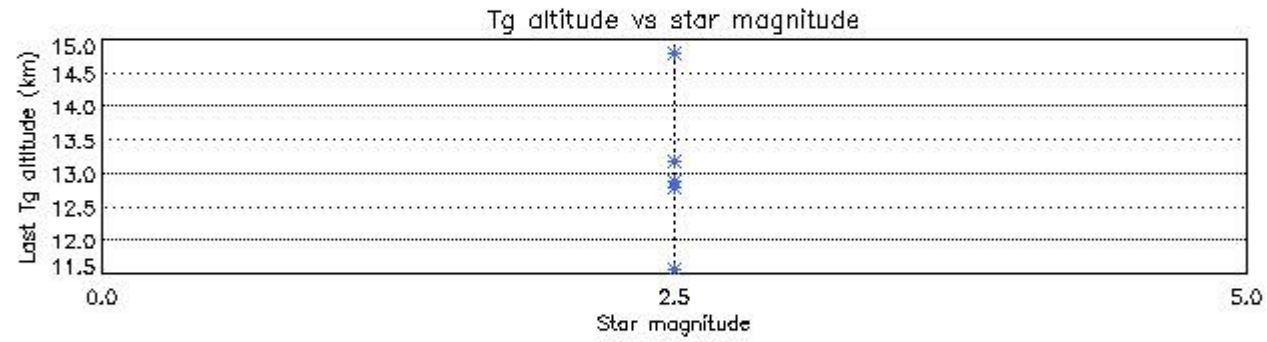
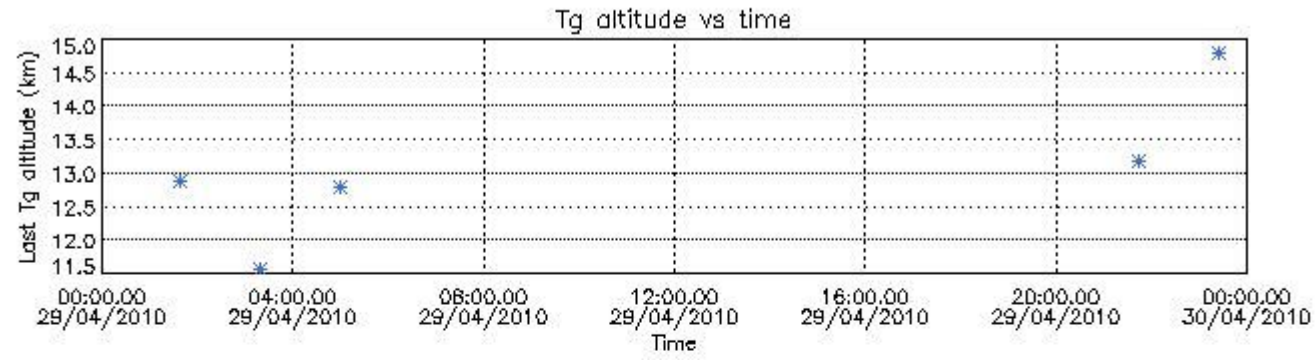
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

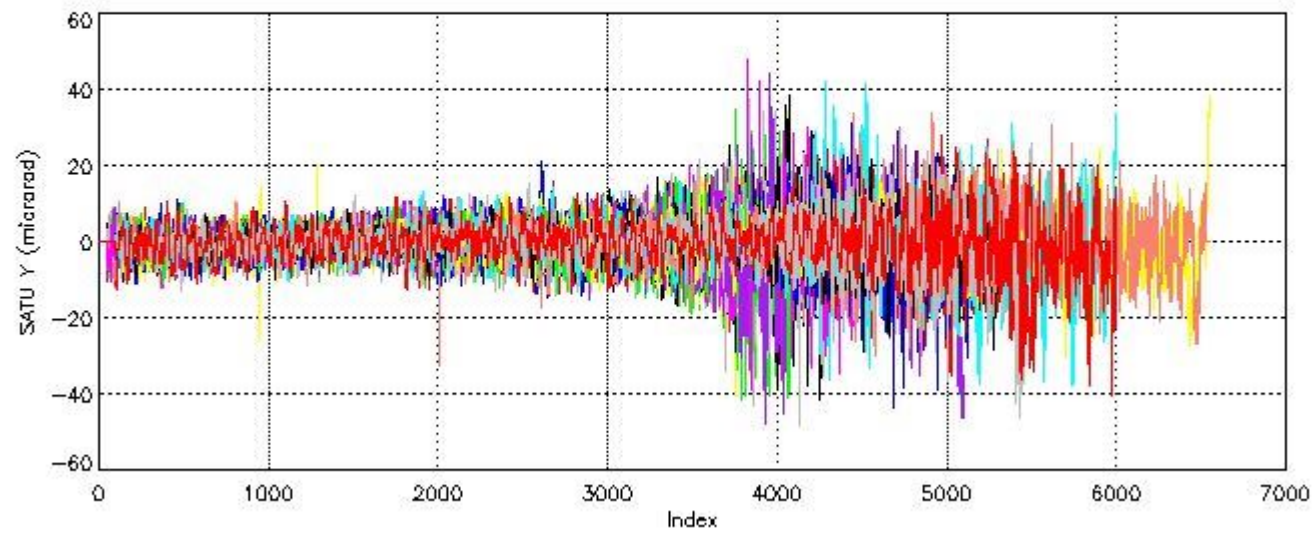
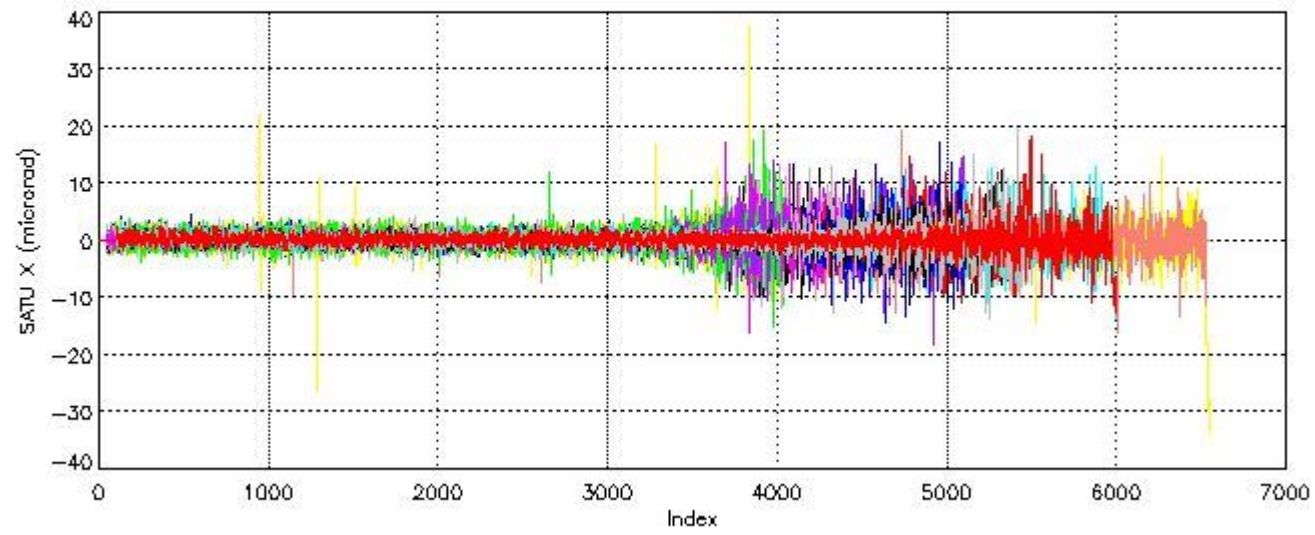


7. Star Acquisition and Tracking Unit (SATU)

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:	0.23076	-0.68682	0.22521	-0.69622
St. deviation:	0.77811	3.2592	0.86337	3.2452
Maximum:	21.800	11.200	5.8000	12.400
Minimum:	-9.3000	-25.700	-4.7000	-15.100

Number of data:	23150.	23150.	54400.	54400.
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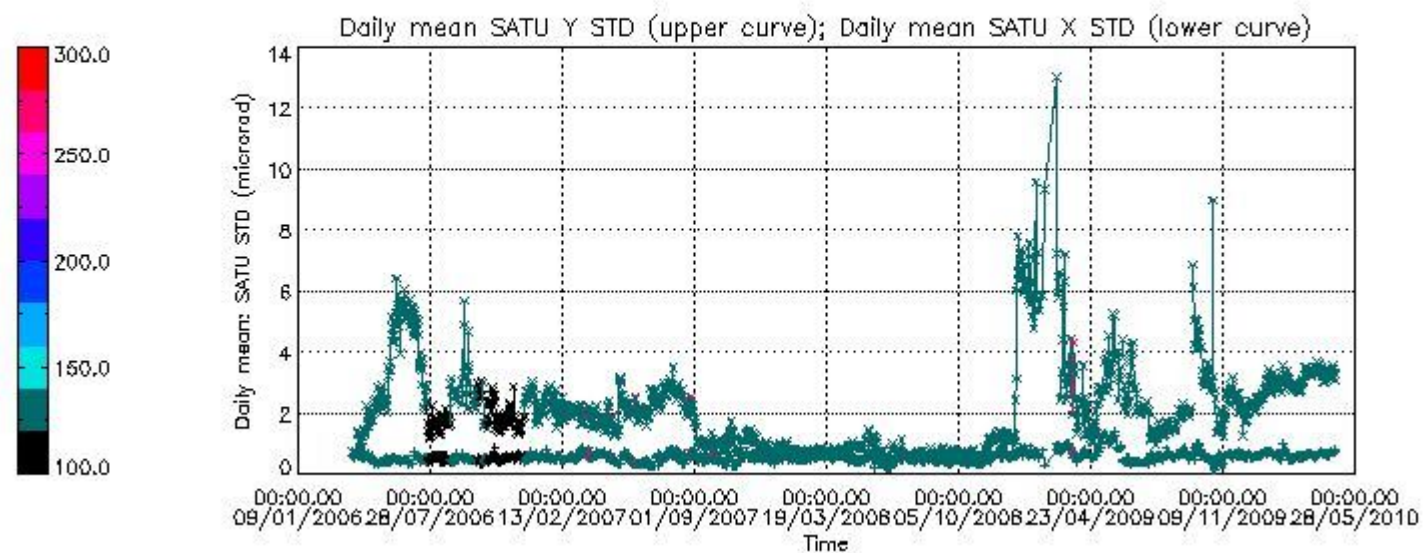
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

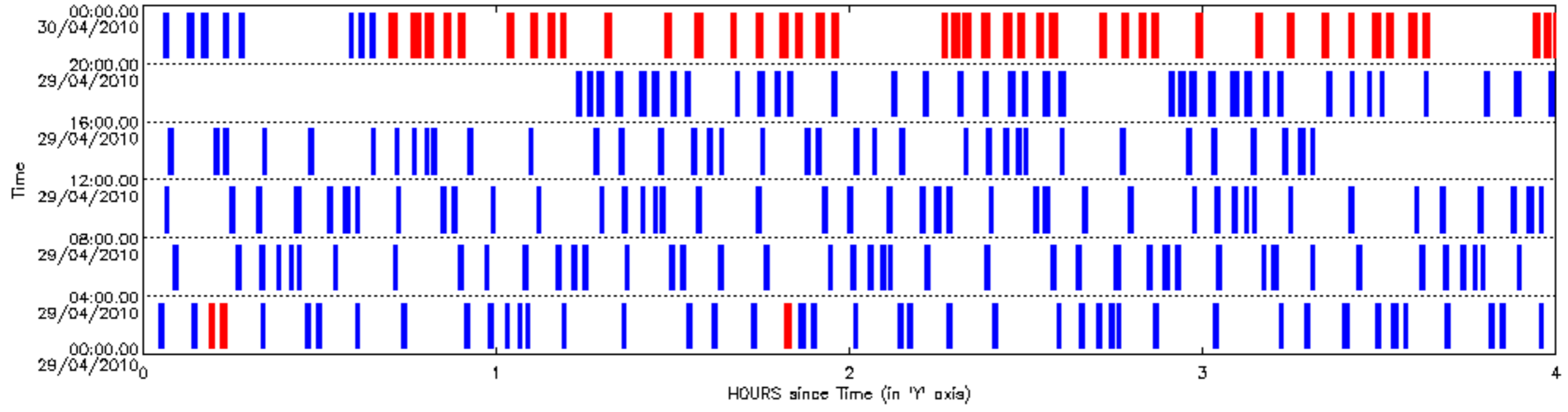
Lower curve: STD of SATU X axis

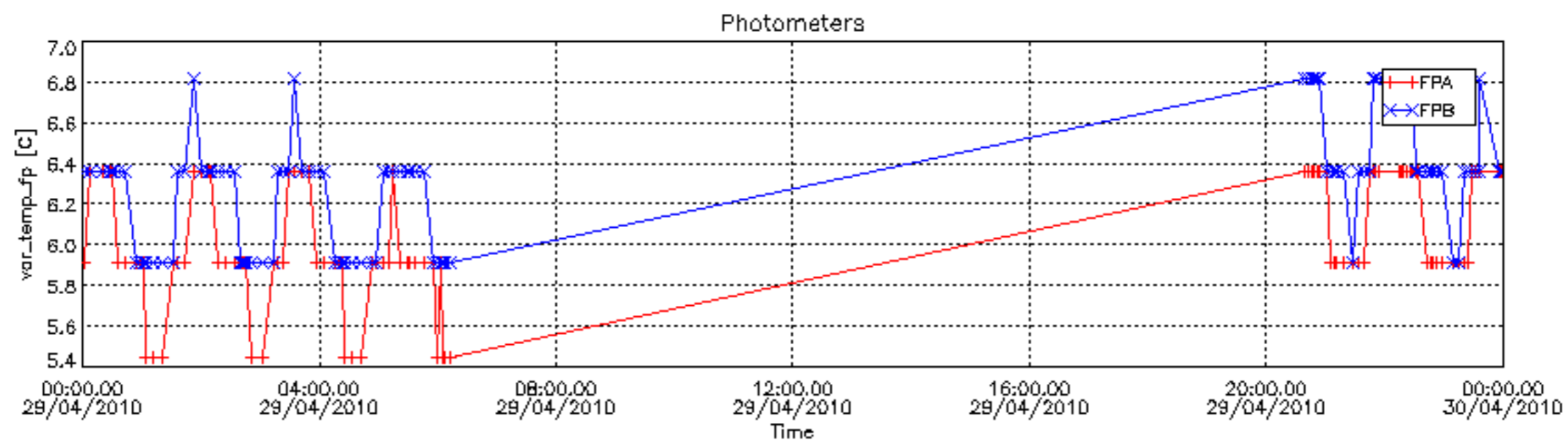
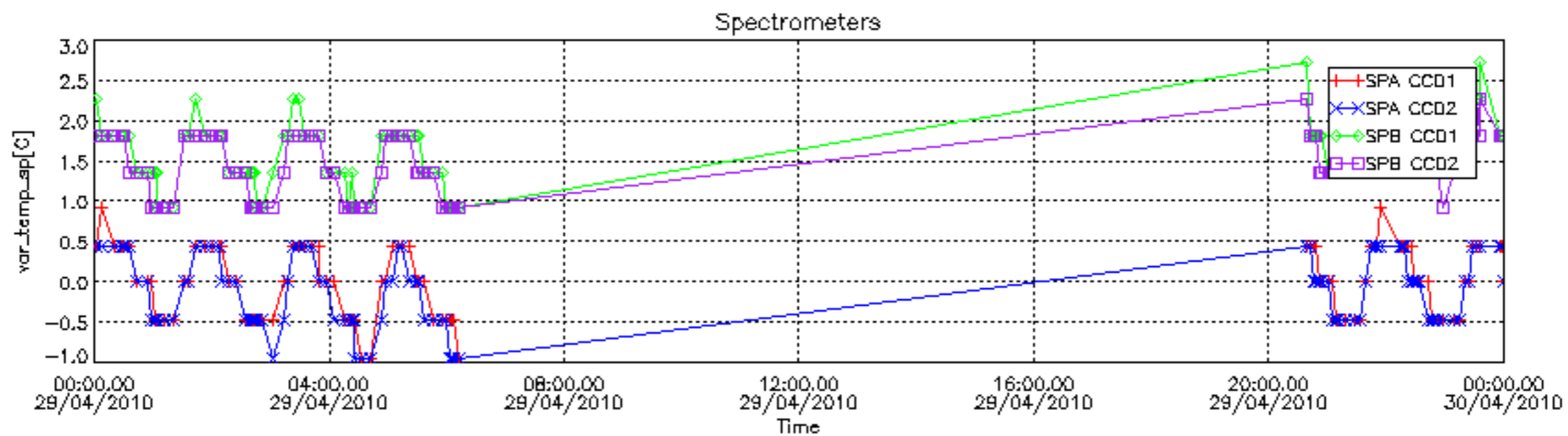


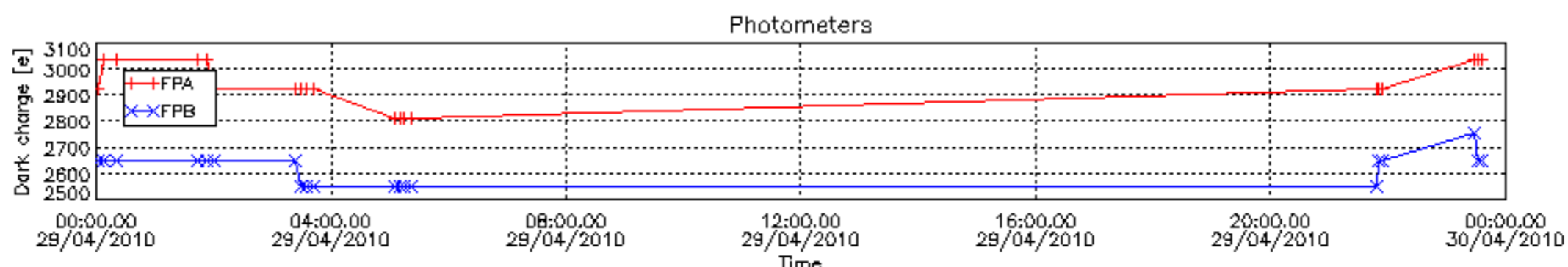
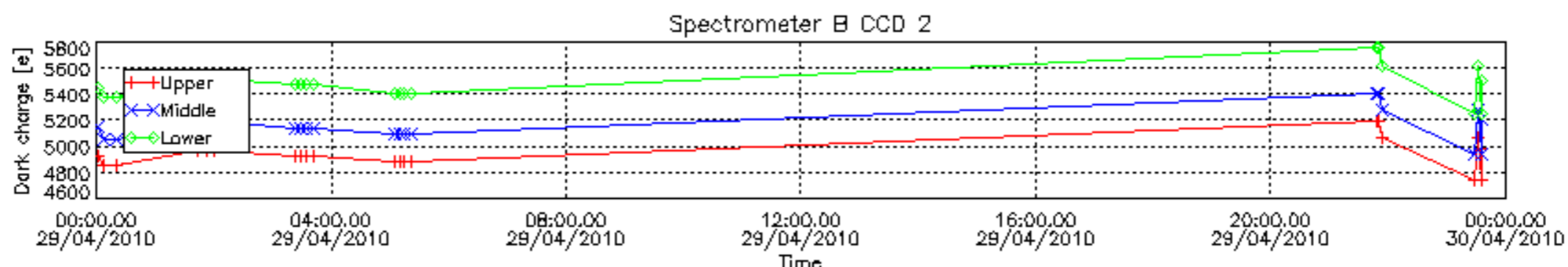
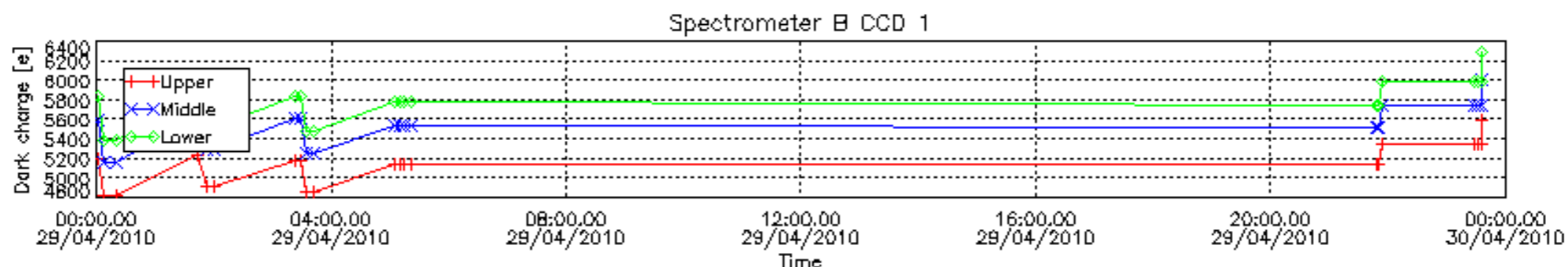
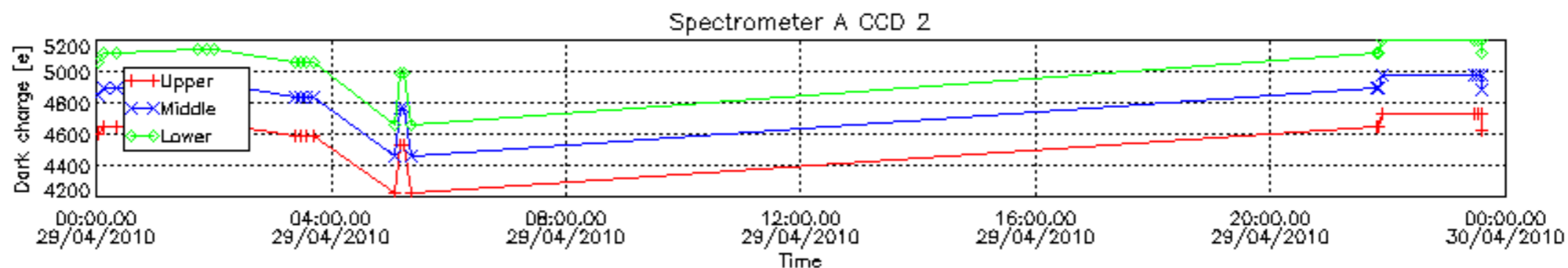
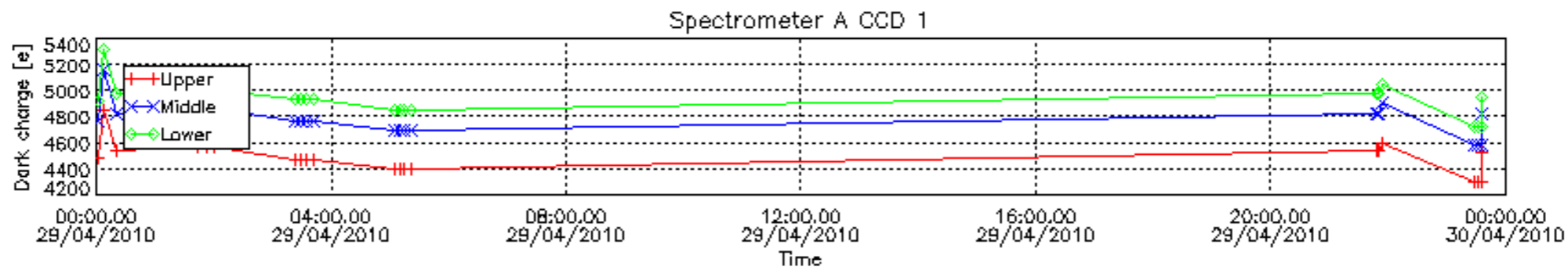
8. Auxiliary Data Files used for the production reported in section 2.4

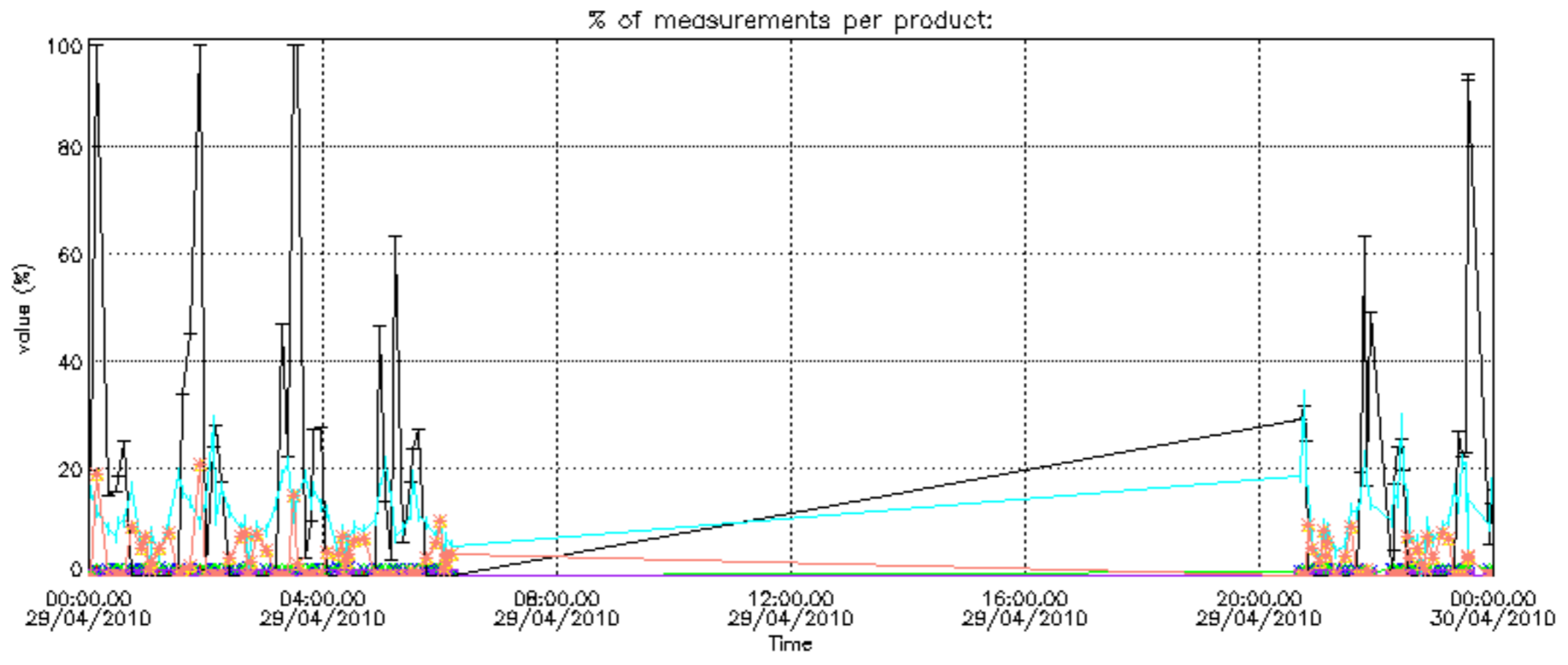
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-APR-2010 00:02:35
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100428_080918_20100427_000000_20500101_000000	1	29-APR-2010 00:02:35
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	29-APR-2010 00:02:35
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-APR-2010 00:02:35
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-APR-2010 00:02:35
ECMWF_FILE	AUX_ECF_AXNECM20100428_054115_20100428_210000_20100429_090000	1	29-APR-2010 00:02:35
ECMWF_FILE	AUX_ECF_AXNECM20100428_170932_20100429_030000_20100429_150000	30	29-APR-2010 03:01:50
ECMWF_FILE	AUX_ECF_AXNECM20100429_053035_20100429_150000_20100430_030000	64	29-APR-2010 20:38:22
ECMWF_FILE	AUX_ECF_AXNECM20100429_053036_20100429_210000_20100430_090000	81	29-APR-2010 21:54:07
OPTIONAL_ECMWF_FILE	MISSING	1	29-APR-2010 00:02:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100428_222052_000057382089_00029_42668_0246.N1	1	29-APR-2010 00:02:35
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100428_100116_20100427_194706_20100507_211320	2	29-APR-2010 00:08:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100429_014246_000041442089_00031_42670_0248.N1	17	29-APR-2010 01:43:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100429_025709_000057382089_00032_42671_0249.N1	30	29-APR-2010 03:01:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100429_043806_000057382089_00033_42672_0250.N1	47	29-APR-2010 04:42:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100429_203428_000041442089_00043_42682_0251.N1	64	29-APR-2010 20:38:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100429_214851_000057382089_00043_42682_0252.N1	81	29-APR-2010 21:54:07
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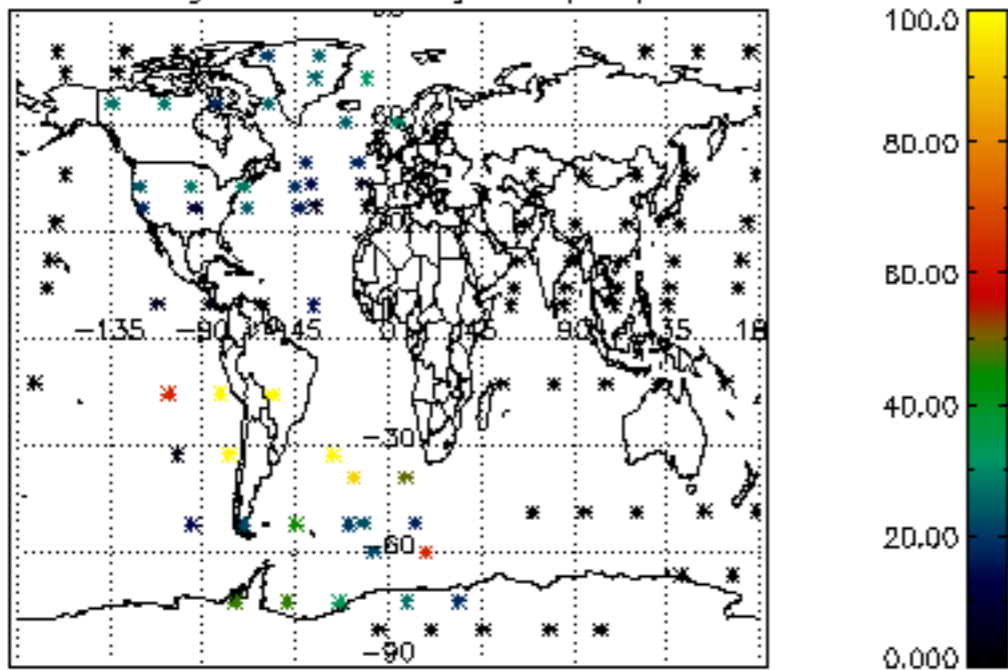




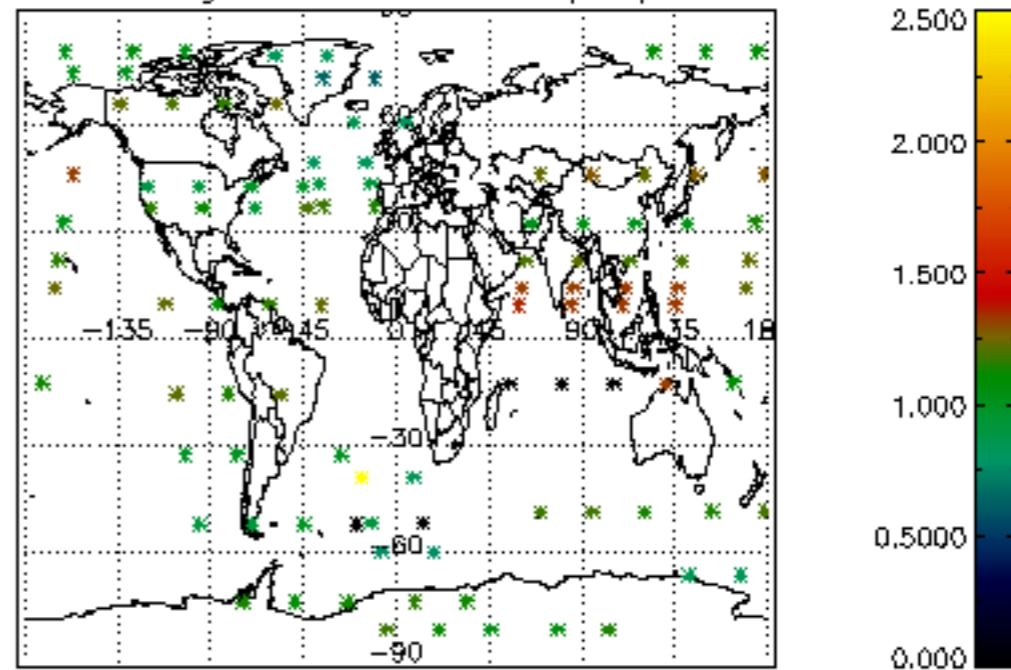




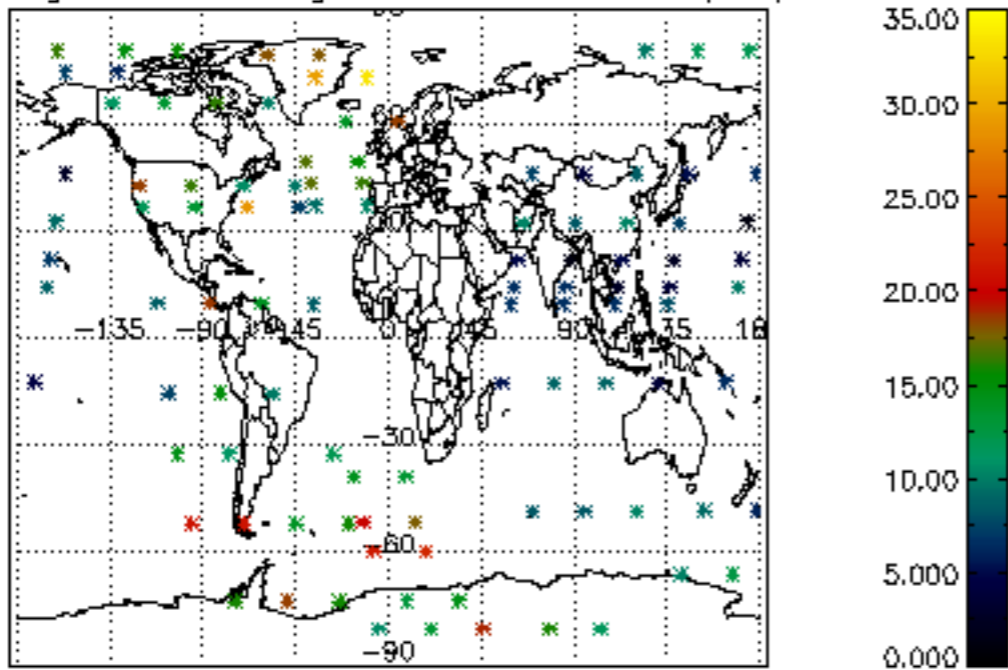
Percentage of cosmic ray hits per profile



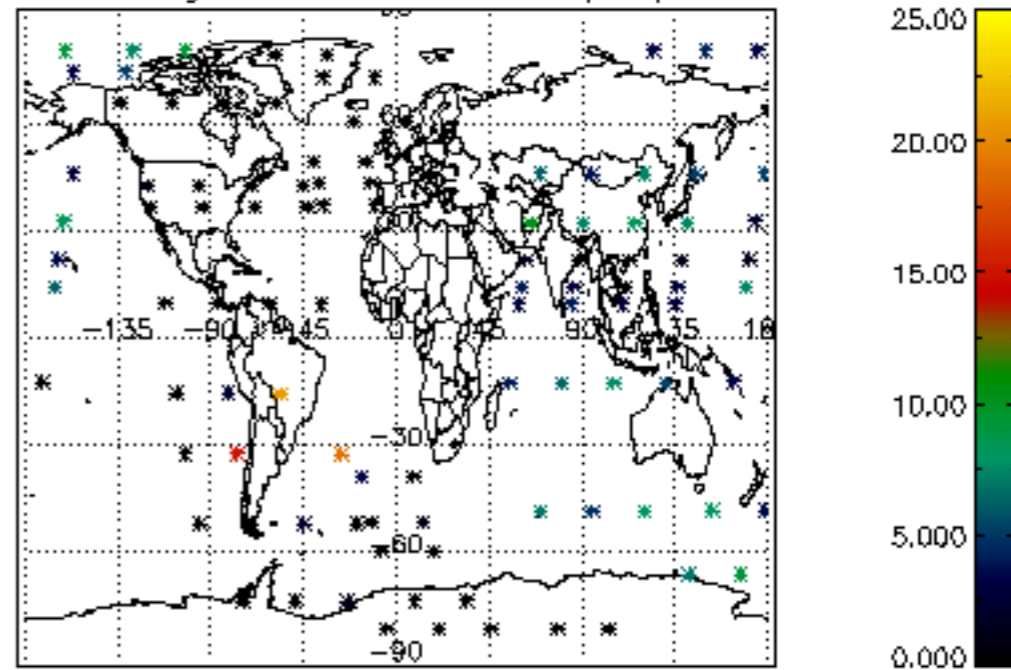
Percentage of datation errors per profile



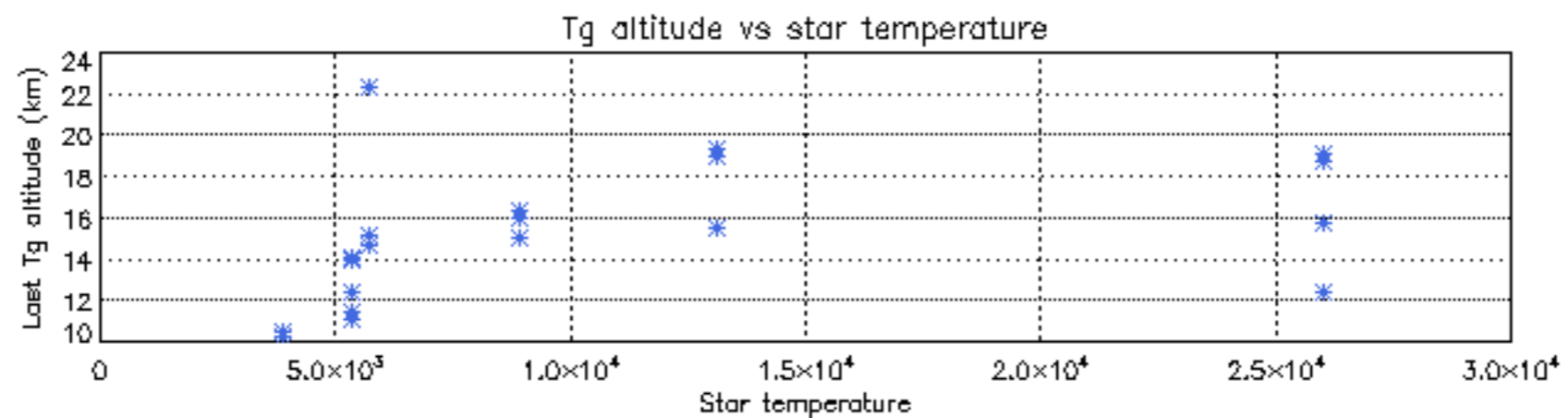
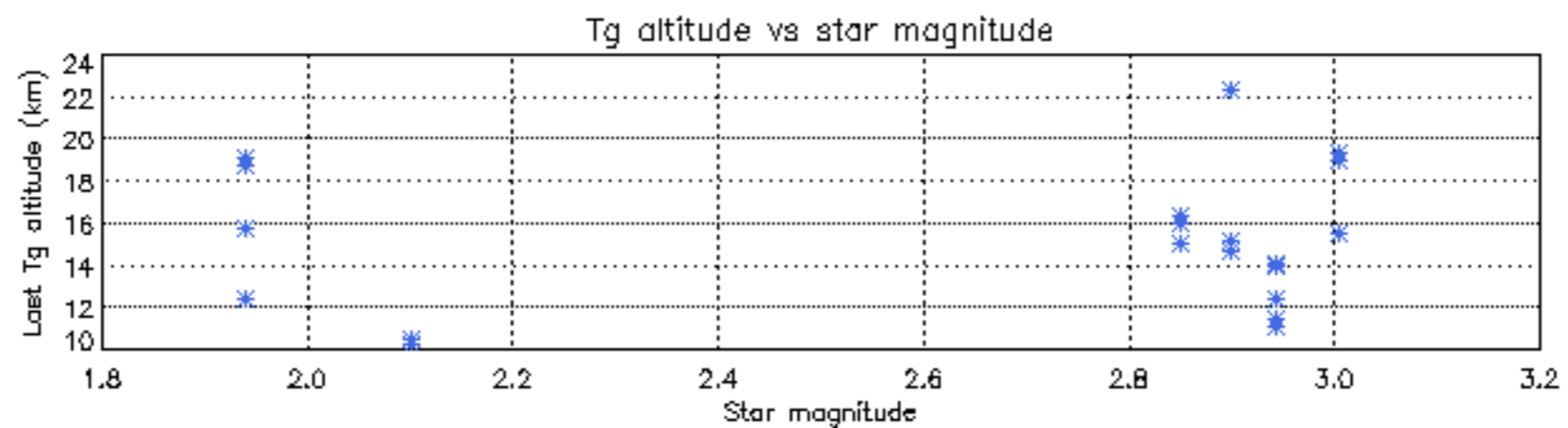
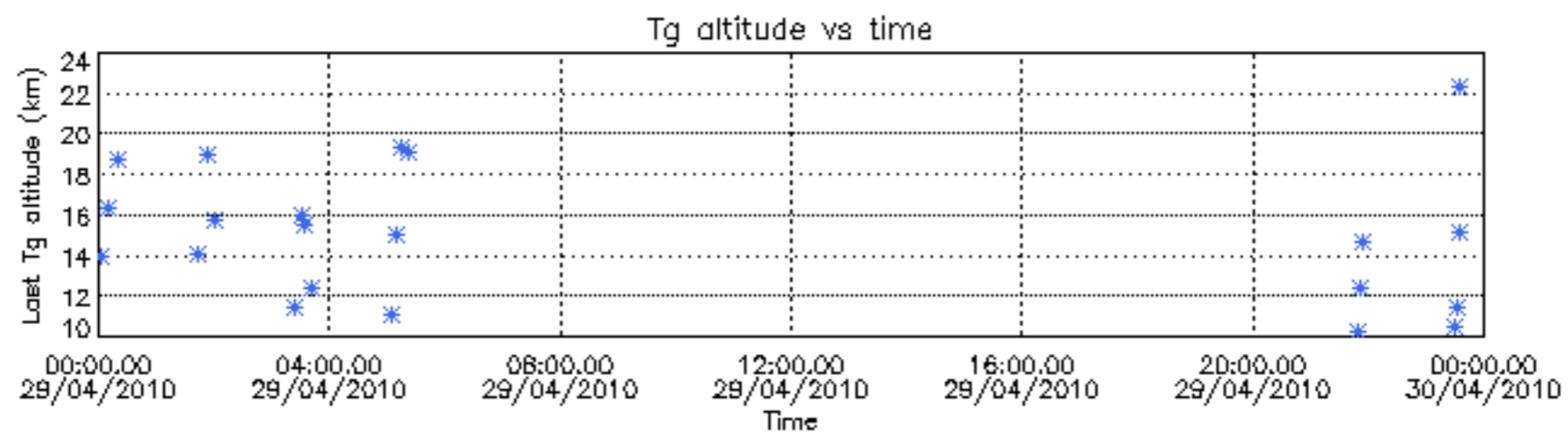
Percentage of star falling outside central band per profile



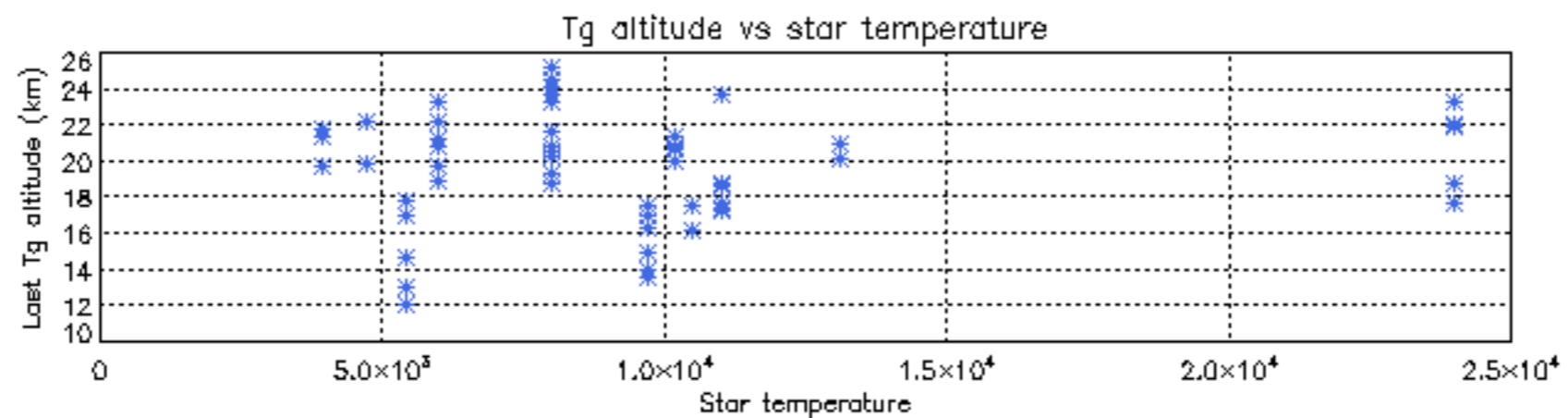
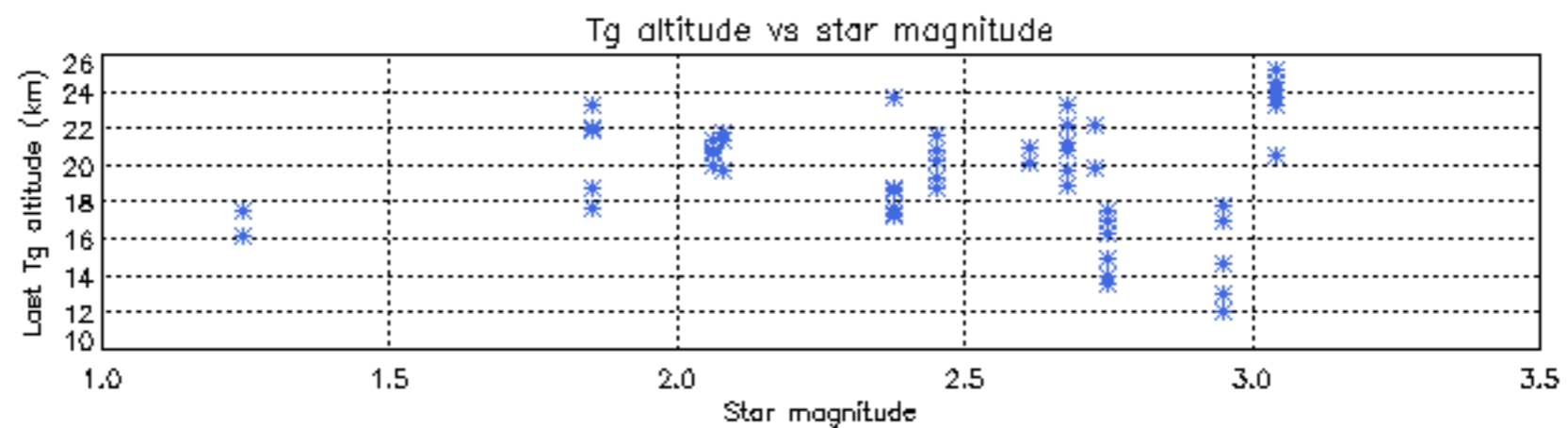
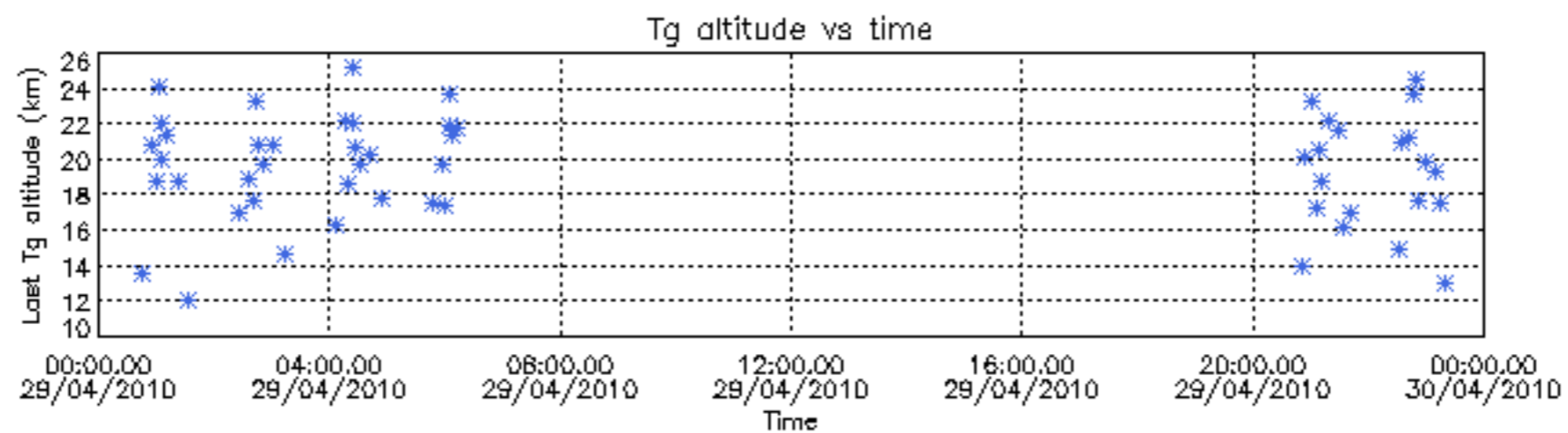
Percentage of saturation errors per profile



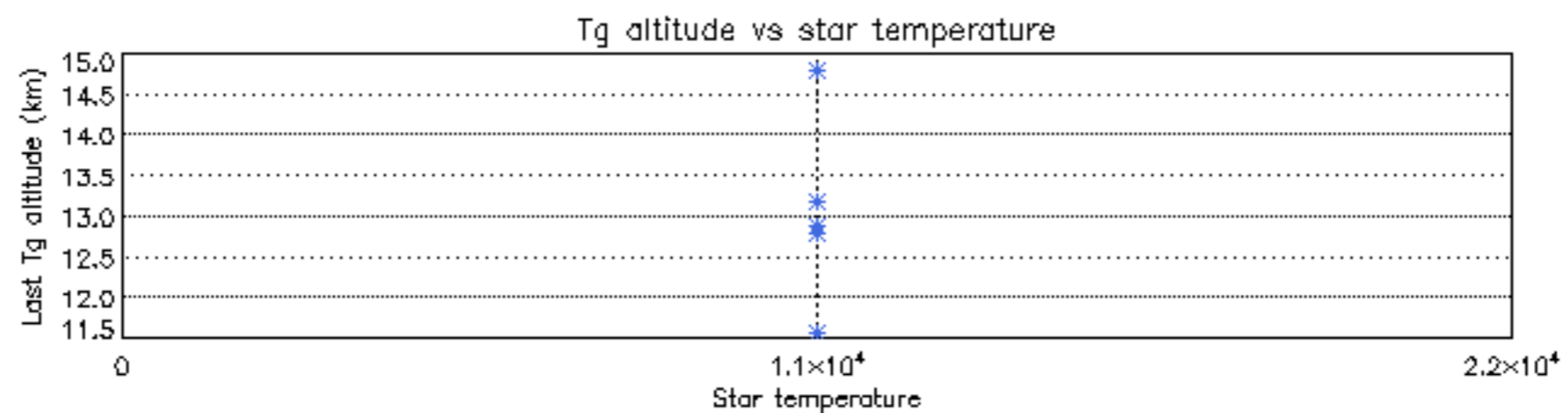
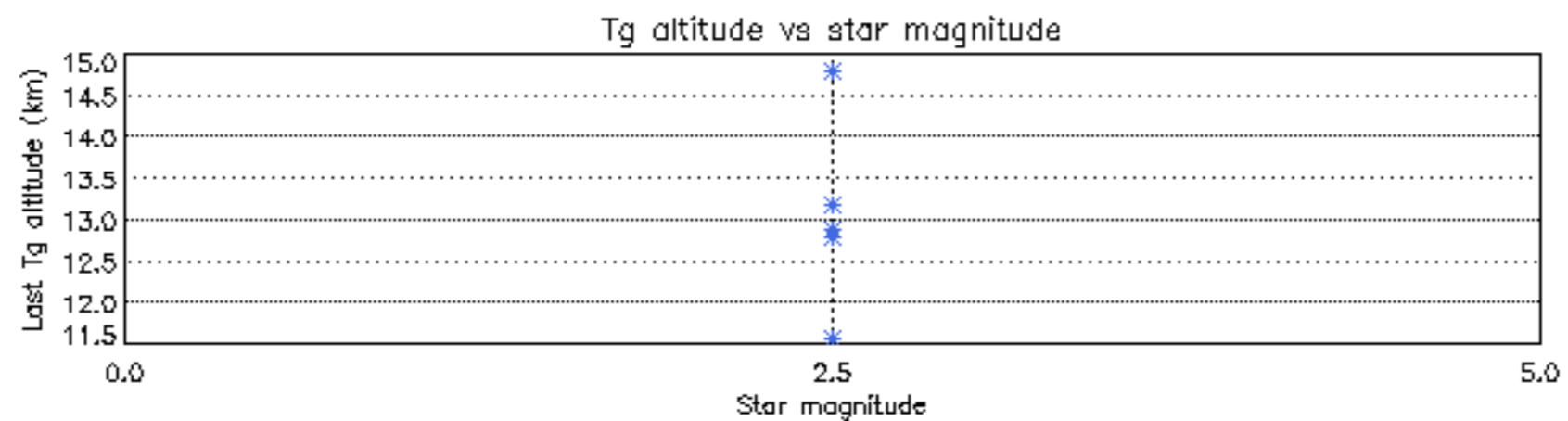
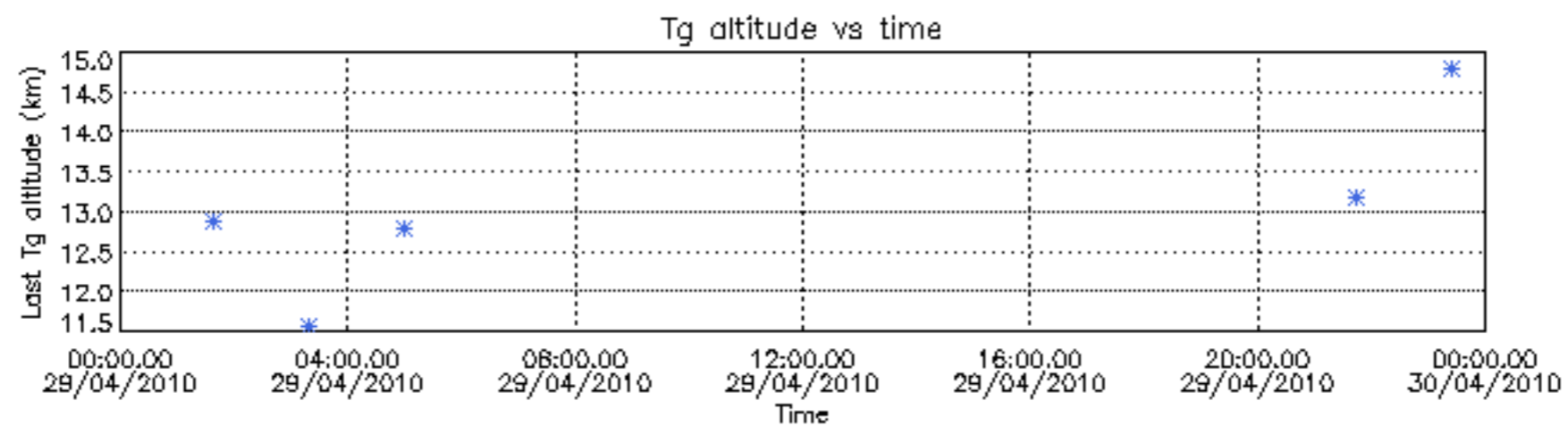
Tangent altitude at which the star is lost

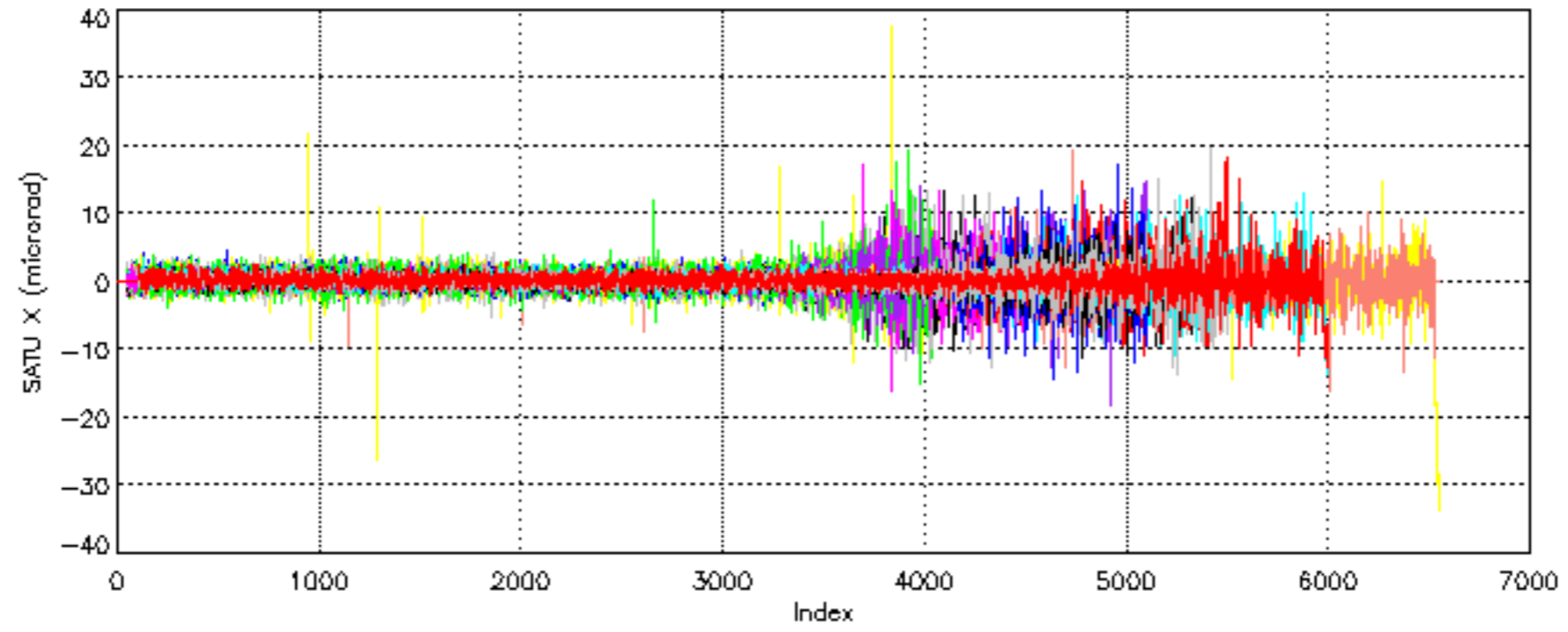


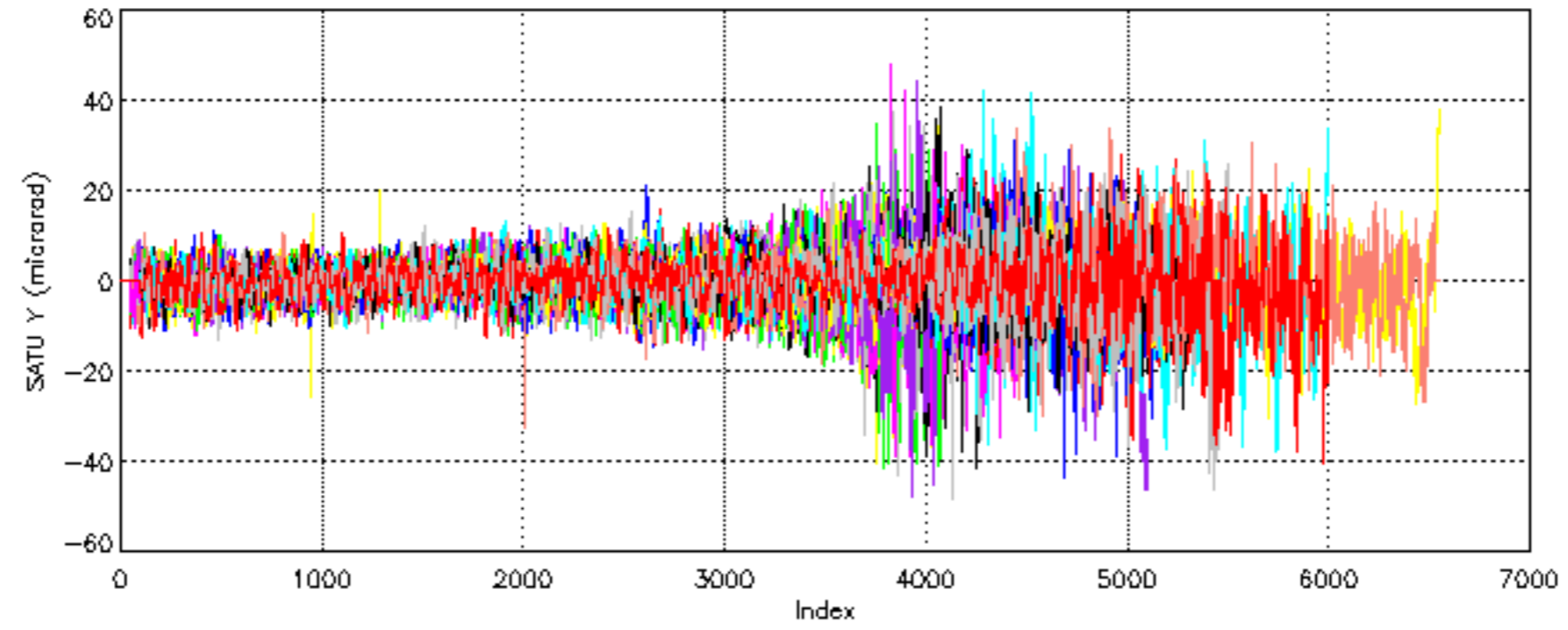
Tangent altitude at which the star is lost

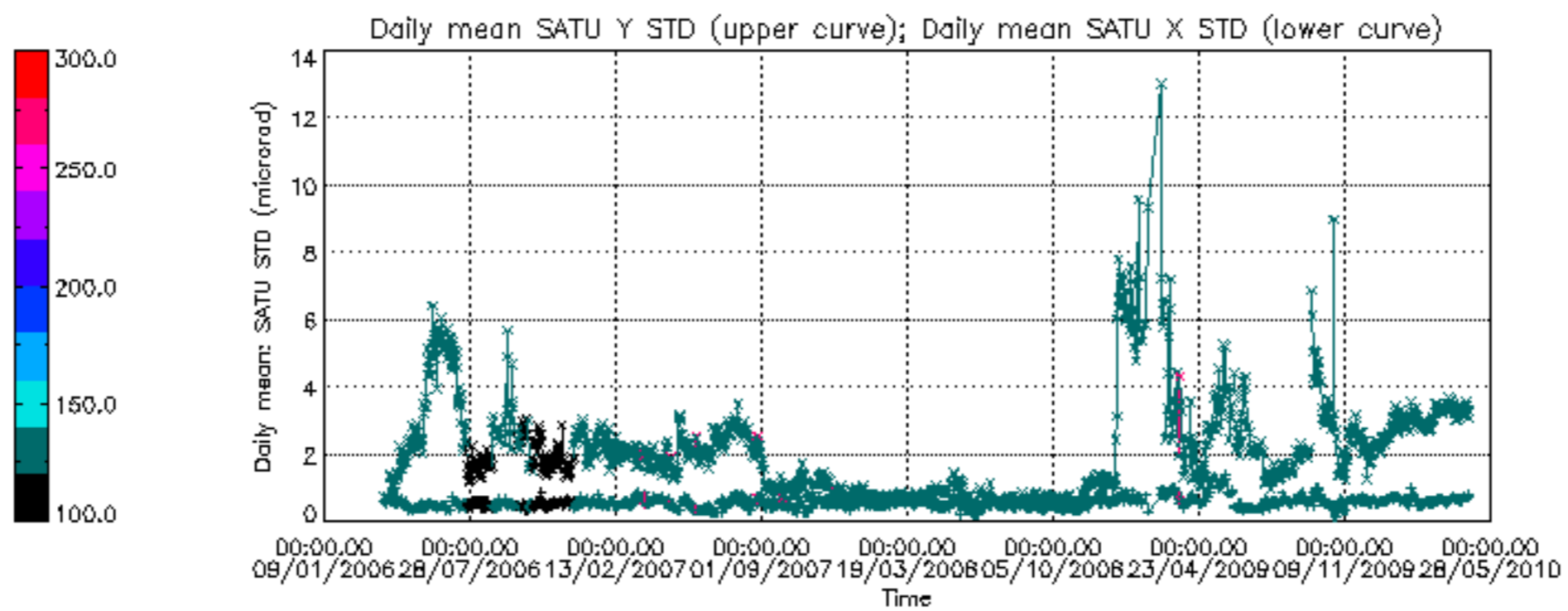


Tangent altitude at which the star is lost









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 2; 65.0; 01-APR-2010 01:38:53; Dark ; 57.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 114; 0;42270
 3; 293.1; 01-APR-2010 01:42:41; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42270
 4; 515.4; 01-APR-2010 01:46:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;42270
 5; 673.7; 01-APR-2010 01:49:02; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;42270
 6; 838.3; 01-APR-2010 01:51:46; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;42270
 7; 934.5; 01-APR-2010 01:53:23; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42270
 8; 1098.8; 01-APR-2010 01:56:07; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;42270
 9; 1459.8; 01-APR-2010 02:02:08; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42270
 10; 1577.7; 01-APR-2010 02:04:06; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42270
 11; 1883.4; 01-APR-2010 02:09:11; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42270
 12; 2160.8; 01-APR-2010 02:13:49; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42270
 13; 2256.9; 01-APR-2010 02:15:25; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42270
 14; 2666.4; 01-APR-2010 02:22:15; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42270
 15; 2848.5; 01-APR-2010 02:25:17; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42270
 16; 2958.0; 01-APR-2010 02:27:06; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;42270
 17; 3338.3; 01-APR-2010 02:33:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42270

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 2;-1836.2; 01-APR-2010 02:47:48; Bright; 43.5; 144; 18Del Cyg ; 2.86; 11000;occ; 87; 0;42270
 3;-1723.2; 01-APR-2010 02:49:41; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42270
 4;-1601.7; 01-APR-2010 02:51:42; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42270
 5; -314.5; 01-APR-2010 03:13:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42270
 6; -148.2; 01-APR-2010 03:15:56; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42270
 7; 66.3; 01-APR-2010 03:19:30; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42271
 8; 294.5; 01-APR-2010 03:23:18; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42271
 9; 515.9; 01-APR-2010 03:27:00; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42271
 10; 674.2; 01-APR-2010 03:29:38; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;42271
 11; 839.0; 01-APR-2010 03:32:23; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42271
 12; 935.3; 01-APR-2010 03:33:59; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42271
 13; 1099.5; 01-APR-2010 03:36:44; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42271
 14; 1460.1; 01-APR-2010 03:42:44; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42271
 15; 1578.0; 01-APR-2010 03:44:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42271
 16; 1883.1; 01-APR-2010 03:49:47; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42271
 17; 2160.7; 01-APR-2010 03:54:25; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42271
 18; 2257.1; 01-APR-2010 03:56:01; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42271
 19; 2666.3; 01-APR-2010 04:02:50; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42271
 20; 2848.4; 01-APR-2010 04:05:52; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42271
 21; 2957.9; 01-APR-2010 04:07:42; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42271
 22; 3338.0; 01-APR-2010 04:14:02; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;42271

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 2;-1836.3; 01-APR-2010 04:28:24; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;42271
 3;-1723.1; 01-APR-2010 04:30:17; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42271
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 7; 67.5; 01-APR-2010 05:00:08; Dark ; 55.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 111; 0;42272
 8; 295.5; 01-APR-2010 05:03:56; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42272
 9; 516.4; 01-APR-2010 05:07:36; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42272
 10; 674.7; 01-APR-2010 05:10:15; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;42272
 11; 839.6; 01-APR-2010 05:13:00; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42272
 12; 935.6; 01-APR-2010 05:14:36; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42272
 13; 1100.1; 01-APR-2010 05:17:20; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;42272
 14; 1460.3; 01-APR-2010 05:23:20; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42272
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 17; 1883.0; 01-APR-2010 05:30:23; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;42272
 18; 2160.5; 01-APR-2010 05:35:01; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42272
 19; 2257.0; 01-APR-2010 05:36:37; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42272
 20; 2666.3; 01-APR-2010 05:43:26; Bright; 38.0; 174; 52Psi UMa ; 3.00; 4400;occ; 76; 0;42272
 21; 2848.4; 01-APR-2010 05:46:28; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42272
 22; 2958.0; 01-APR-2010 05:48:18; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42272
 23; 3337.6; 01-APR-2010 05:54:38; Bright; 57.5; 60; 7Bet UMi ; 2.08; 3950;occ; 115; 0;42272

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 2; 1104.6; 01-APR-2010 20:22:48; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;42281

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5; 1688.0; 01-APR-2010 20:32:31; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;42281
6; 1882.1; 01-APR-2010 20:35:46; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42281
7; 2159.5; 01-APR-2010 20:40:23; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42281
8; 2665.5; 01-APR-2010 20:48:49; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42281
9; 2846.1; 01-APR-2010 20:51:49; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42281
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3; 80.8; 01-APR-2010 21:46:20; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42282
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5; 521.6; 01-APR-2010 21:53:41; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;42282
6; 679.4; 01-APR-2010 21:56:19; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;42282
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22; 4435.4; 01-APR-2010 22:58:55; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42282
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3; 82.4; 01-APR-2010 23:26:58; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42283
4; 307.6; 01-APR-2010 23:30:43; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42283
5; 522.1; 01-APR-2010 23:34:17; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;42283
6; 680.0; 01-APR-2010 23:36:55; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;42283
7; 846.3; 01-APR-2010 23:39:41; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42283
8; 942.9; 01-APR-2010 23:41:18; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42283
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11; 1579.8; 01-APR-2010 23:51:55; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;42283
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21; 4312.7; 02-APR-2010 00:37:28; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;42283
22; 4435.6; 02-APR-2010 00:39:31; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42283
23; 4830.0; 02-APR-2010 00:46:05; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;42283
24; 5106.5; 02-APR-2010 00:50:42; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;42283
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2; -1836.7; 01-APR-2010 06:08:59; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;42272

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 6; -145.3; 01-APR-2010 06:37:11; Dark ; 59.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 119; 0;42272
 7; 69.4; 01-APR-2010 06:40:45; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42273
 8; 296.4; 01-APR-2010 06:44:32; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42273
 9; 517.0; 01-APR-2010 06:48:13; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42273
 10; 675.4; 01-APR-2010 06:50:51; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;42273
 11; 840.1; 01-APR-2010 06:53:36; Dark ; 47.0; 78; Alp Lup ; 2.30; 28000;occ; 94; 0;42273
 12; 936.4; 01-APR-2010 06:55:12; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42273
 13; 1100.6; 01-APR-2010 06:57:57; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;42273
 14; 1460.4; 01-APR-2010 07:03:56; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;42273
 15; 1578.5; 01-APR-2010 07:05:55; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;42273
 16; 1688.4; 01-APR-2010 07:07:44; Dark ; 28.5; 15; 67Alp Vir ; 0.98; 28000;occ; 57; 0;42273

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 2; 1883.2; 01-APR-2010 07:10:59; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42273
 3; 2160.3; 01-APR-2010 07:15:36; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;42273
 4; 2257.0; 01-APR-2010 07:17:13; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42273
 5; 2666.2; 01-APR-2010 07:24:02; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;42273
 6; 2848.1; 01-APR-2010 07:27:04; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;42273
 7; 2957.7; 01-APR-2010 07:28:54; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42273
 8; 3337.3; 01-APR-2010 07:35:13; Bright; 58.0; 60; 7Bet UMi ; 2.08; 3950;occ; 116; 0;42273
 9; 3902.0; 01-APR-2010 07:44:38; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;42273
 10; 4199.1; 01-APR-2010 07:49:35; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;42273
 11; 4312.8; 01-APR-2010 07:51:29; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42273
 12; 4434.4; 01-APR-2010 07:53:30; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42273
 13; 5723.8; 01-APR-2010 08:15:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42273
 14; 5891.9; 01-APR-2010 08:17:48; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42273
 15; 6106.7; 01-APR-2010 08:21:23; Dark ; 51.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 103; 0;42274
 16; 6333.5; 01-APR-2010 08:25:09; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42274
 17; 6553.4; 01-APR-2010 08:28:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42274
 18; 6711.8; 01-APR-2010 08:31:28; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;42274
 19; 6876.8; 01-APR-2010 08:34:13; Dark ; 48.5; 78; Alp Lup ; 2.30; 28000;occ; 97; 0;42274
 20; 6972.9; 01-APR-2010 08:35:49; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42274
 21; 7136.9; 01-APR-2010 08:38:33; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42274
 22; 7496.6; 01-APR-2010 08:44:33; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42274
 23; 7614.5; 01-APR-2010 08:46:30; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42274
 24; 7724.3; 01-APR-2010 08:48:20; Dark ; 35.5; 15; 67Alp Vir ; 0.98; 28000;occ; 71; 0;42274

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 3; 2160.4; 01-APR-2010 08:56:12; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42274
 4; 2666.1; 01-APR-2010 09:04:38; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42274
 5; 2847.7; 01-APR-2010 09:07:40; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;42274
 6; 2957.7; 01-APR-2010 09:09:30; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;42274
 7; 3337.1; 01-APR-2010 09:15:49; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42274
 8; 3901.7; 01-APR-2010 09:25:14; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;42274
 9; 4199.3; 01-APR-2010 09:30:11; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;42274
 10; 4312.9; 01-APR-2010 09:32:05; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42274
 11; 4434.5; 01-APR-2010 09:34:06; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42274
 12; 5724.6; 01-APR-2010 09:55:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42274
 13; 5893.5; 01-APR-2010 09:58:25; Dark ; 57.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 114; 0;42274
 14; 6107.5; 01-APR-2010 10:01:59; Dark ; 54.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 109; 0;42275
 15; 6334.8; 01-APR-2010 10:05:47; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;42275
 16; 6553.9; 01-APR-2010 10:09:26; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;42275
 17; 6712.3; 01-APR-2010 10:12:04; Dark ; 51.0; 4; Alp1Cen ; -0.01; 5800;occ; 102; 0;42275
 18; 6877.5; 01-APR-2010 10:14:49; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;42275
 19; 6973.6; 01-APR-2010 10:16:26; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42275
 20; 7137.3; 01-APR-2010 10:19:09; Dark ; 58.0; 54; 5The Cen ; 2.06; 4500;occ; 116; 0;42275
 21; 7497.0; 01-APR-2010 10:25:09; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42275
 22; 7614.6; 01-APR-2010 10:27:07; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42275
 23; 7724.2; 01-APR-2010 10:28:56; Dark ; 9.0; 15; 67Alp Vir ; 0.98; 28000;occ; 18; 0;42275

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 2; 1882.6; 01-APR-2010 10:32:10; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42275
 3; 2160.3; 01-APR-2010 10:36:48; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42275
 4; 2666.1; 01-APR-2010 10:45:14; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42275


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5; 2847.3; 01-APR-2010 10:48:15; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;42275
6; 2957.7; 01-APR-2010 10:50:06; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42275
7; 3336.6; 01-APR-2010 10:56:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;42275
8; 3901.8; 01-APR-2010 11:05:50; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42275
9; 4199.0; 01-APR-2010 11:10:47; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;42275
10; 4312.8; 01-APR-2010 11:12:41; Bright; 7.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 15; 0;42275
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2; -1601.1; 01-APR-2010 11:14:43; Bright; 60.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 120; 0;42275
3; -310.4; 01-APR-2010 11:36:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42275
4; -141.2; 01-APR-2010 11:39:02; Dark ; 56.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 113; 0;42275
5; 73.1; 01-APR-2010 11:42:37; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42276
6; 300.1; 01-APR-2010 11:46:24; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;42276
7; 518.6; 01-APR-2010 11:50:02; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;42276
8; 676.5; 01-APR-2010 11:52:40; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;42276
9; 841.9; 01-APR-2010 11:55:26; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42276
10; 938.3; 01-APR-2010 11:57:02; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42276
11; 1101.8; 01-APR-2010 11:59:46; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42276
12; 1461.2; 01-APR-2010 12:05:45; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;42276
13; 1578.4; 01-APR-2010 12:07:42; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42276
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2; 1688.0; 01-APR-2010 12:09:32; Dark ; 42.0; 15; 67Alp Vir ; 0.98; 28000;occ; 84; 0;42276
3; 1883.0; 01-APR-2010 12:12:47; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42276
4; 2160.3; 01-APR-2010 12:17:24; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42276
5; 2665.9; 01-APR-2010 12:25:50; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42276
6; 2847.2; 01-APR-2010 12:28:51; Bright; 39.5; 87; 64Gam UMa ; 2.43; 11000;occ; 79; 0;42276
7; 2957.6; 01-APR-2010 12:30:41; Bright; 38.5; 36; 50Alp UMa ; 1.80; 6300;occ; 77; 0;42276
8; 3336.3; 01-APR-2010 12:37:00; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42276
9; 3901.8; 01-APR-2010 12:46:25; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42276
10; 4198.6; 01-APR-2010 12:51:22; Bright; 55.5; 144; 18Del Cyg ; 2.86; 11000;occ; 111; 0;42276
11; 4312.6; 01-APR-2010 12:53:16; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42276
12; 4434.9; 01-APR-2010 12:55:19; Bright; 45.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 91; 0;42276
13; 5726.2; 01-APR-2010 13:16:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42276
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17; 6555.0; 01-APR-2010 13:30:39; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42277
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21; 7138.3; 01-APR-2010 13:40:22; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;42277
22; 7497.3; 01-APR-2010 13:46:21; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;42277
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3; 1882.3; 01-APR-2010 13:53:22; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;42277
4; 2160.2; 01-APR-2010 13:58:00; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42277
5; 2666.2; 01-APR-2010 14:06:26; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42277
6; 2847.1; 01-APR-2010 14:09:27; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42277
7; 2957.4; 01-APR-2010 14:11:17; Bright; 40.5; 36; 50Alp UMa ; 1.80; 6300;occ; 81; 0;42277
8; 3336.1; 01-APR-2010 14:17:36; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42277
9; 3901.8; 01-APR-2010 14:27:01; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42277
10; 4198.5; 01-APR-2010 14:31:58; Bright; 44.5; 144; 18Del Cyg ; 2.86; 11000;occ; 89; 0;42277
11; 4312.9; 01-APR-2010 14:33:52; Bright; 42.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 85; 0;42277
12; 4434.9; 01-APR-2010 14:35:54; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42277
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17; 6555.6; 01-APR-2010 15:11:15; Dark ; 42.0; 134; Bet TrA ; 2.81; 6600;occ; 84; 0;42278
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20; 6975.6; 01-APR-2010 15:18:15; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;42278
21; 7139.0; 01-APR-2010 15:20:59; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42278
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5; 2159.9; 01-APR-2010 15:38:35; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;42278
6; 2665.8; 01-APR-2010 15:47:01; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42278
7; 2847.0; 01-APR-2010 15:50:02; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42278
8; 2957.4; 01-APR-2010 15:51:53; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;42278
9; 3335.6; 01-APR-2010 15:58:11; Bright; 43.5; 60; 7Bet UMi ; 2.08; 3950;occ; 87; 0;42278
10; 3901.6; 01-APR-2010 16:07:37; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42278
11; 4198.6; 01-APR-2010 16:12:34; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;42278
12; 4312.9; 01-APR-2010 16:14:28; Bright; 45.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 91; 0;42278
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6; 940.9; 01-APR-2010 18:39:28; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42280
7; 1104.4; 01-APR-2010 18:42:12; Dark ; 31.5; 54; 5The Cen ; 2.06; 4500;occ; 63; 0;42280
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9; 4209.2; 07-APR-2010 08:01:14; Bright; 43.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 86; 0;42359
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 4; 2155.3; 07-APR-2010 12:28:48; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;42362
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 21; 2814.4; 21-APR-2010 06:57:43; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;42559
 22; 3251.8; 21-APR-2010 07:05:01; Bright; 55.5; 60; 7Bet UMi ; 2.08; 3950;occ; 111; 0;42559

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 22; 4487.5; 21-APR-2010 22:31:00; Bright; 56.0; 164; 44Eta Peg ; 2.95; 5400;occ; 112; 0;42568
 23; 4736.6; 21-APR-2010 22:35:09; Dark ; 42.0; 90; 54Alp Peg ; 2.49; 11000;occ; 84; 0;42568
 24; 4942.4; 21-APR-2010 22:38:35; Dark ; 55.5; 61; 8Eps Peg ; 2.10; 3900;occ; 111; 0;42568
 25; 5090.1; 21-APR-2010 22:41:02; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;42568
 26; 5268.3; 21-APR-2010 22:44:01; Dark ; 55.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 110; 0;42568
 27; 5404.4; 21-APR-2010 22:46:17; Dark ; 35.0; 142; 49Del Cap ; 2.85; 8900;occ; 70; 0;42568

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 4; 99.3; 21-APR-2010 22:58:28; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;42569
 5; 621.3; 21-APR-2010 23:07:10; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;42569
 6; 989.9; 21-APR-2010 23:13:18; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;42569
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 13; 2267.2; 21-APR-2010 23:34:35; Bright; 44.5; 111; 8Eta Boo ; 2.68; 6000;occ; 89; 0;42569
 14; 2570.4; 21-APR-2010 23:39:39; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;42569
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 19; 4487.5; 22-APR-2010 00:11:36; Bright; 39.5; 164; 44Eta Peg ; 2.95; 5400;occ; 79; 0;42569
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 22; 5090.7; 22-APR-2010 00:21:39; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;42569
 23; 5268.9; 22-APR-2010 00:24:37; Dark ; 50.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 100; 0;42569

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6; 2779.0; 28-APR-2010 18:21:12; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42666
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9; 3838.4; 28-APR-2010 18:38:51; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;42666
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4; 2560.5; 28-APR-2010 19:58:10; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;42667
5; 2652.7; 28-APR-2010 19:59:42; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42667
6; 2779.0; 28-APR-2010 20:01:48; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42667
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8; 2472.6; 29-APR-2010 00:58:29; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42670
9; 2650.8; 29-APR-2010 01:01:27; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42670
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 4; 161.6; 29-APR-2010 02:00:34; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42671
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