

GOMOS Daily Report 29-SEP-2011

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

[Level 2 products](#)

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	01OCT2011 07:00:45
Data source version	GOMOS/6.01
Start time of products	29SEP2011 02:45:39
Stop time of products	29SEP2011 23:31:19
Store outputs in DB	Yes
Nb of level 1b prods	40
Nb of prods with errors	0

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

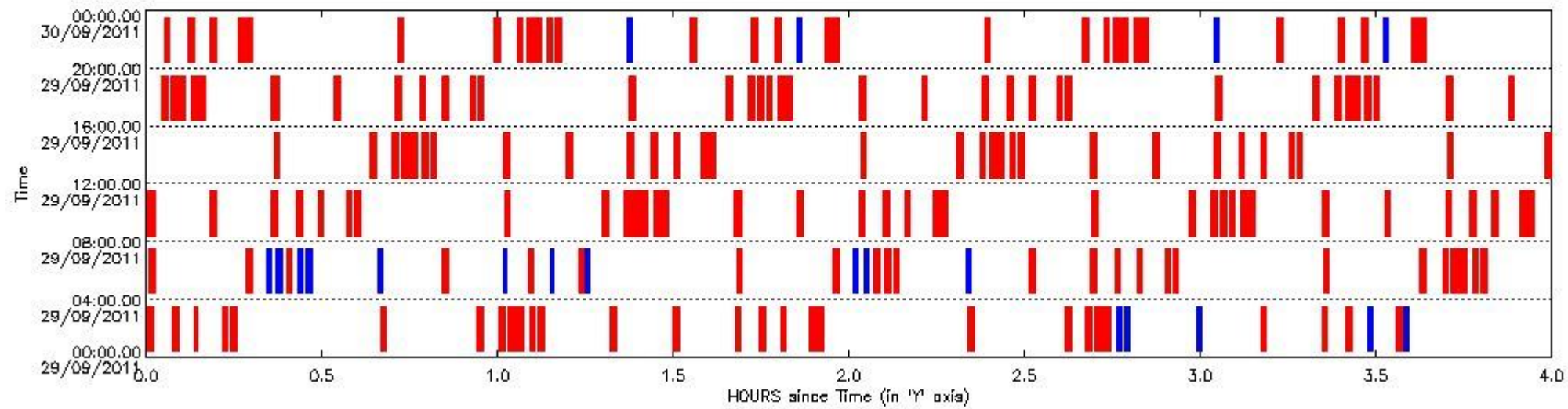
2.1 Level 0 products arrived in PCF (see template [here](#))

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
29-SEP-2011 00:00:17	88GamPeg	140	50102
29-SEP-2011 00:04:26	21AlpAnd	58	50102
29-SEP-2011 00:08:16	43BetAnd	53	50102
29-SEP-2011 00:13:00	11BetCas	74	50102
29-SEP-2011 00:14:22	27GamCas	76	50102
29-SEP-2011 00:40:04	17EpsLeo	166	50102
29-SEP-2011 00:56:31	15RhoPup	132	50102
29-SEP-2011 01:00:04	31EtaCMa	88	50102
29-SEP-2011 01:01:44	21EpsCMa	23	50102
29-SEP-2011 01:03:25	DSA1055	0	50102
29-SEP-2011 01:05:27	TauPup	161	50103
29-SEP-2011 01:06:51	AlpCar	2	50103
29-SEP-2011 01:19:12	The1Eri	157	50103
29-SEP-2011 01:30:00	16BetCet	52	50103
29-SEP-2011 01:40:30	88GamPeg	140	50103

29-SEP-2011 01:44:40	21AlpAnd	58	50103
29-SEP-2011 01:48:29	43BetAnd	53	50103
29-SEP-2011 01:53:14	11BetCas	74	50103
29-SEP-2011 01:54:36	27GamCas	76	50103
29-SEP-2011 02:20:19	17EpsLeo	166	50103
29-SEP-2011 02:36:46	15RhoPup	132	50103
29-SEP-2011 02:40:19	31EtaCMa	88	50103
29-SEP-2011 02:42:00	21EpsCMa	23	50103
29-SEP-2011 02:43:39	DSA1055	0	50103
29-SEP-2011 03:10:14	16BetCet	52	50104
29-SEP-2011 03:20:44	88GamPeg	140	50104
29-SEP-2011 03:24:54	21AlpAnd	58	50104
29-SEP-2011 03:33:28	11BetCas	74	50104
29-SEP-2011 04:00:33	17EpsLeo	166	50104
29-SEP-2011 04:17:01	15RhoPup	132	50104
29-SEP-2011 04:23:54	DSA1055	0	50104
29-SEP-2011 04:50:29	16BetCet	52	50105
29-SEP-2011 05:05:07	21AlpAnd	58	50105
29-SEP-2011 05:13:41	11BetCas	74	50105
29-SEP-2011 05:40:47	17EpsLeo	166	50105
29-SEP-2011 05:57:15	15RhoPup	132	50105
29-SEP-2011 06:04:09	DSA1055	0	50105
29-SEP-2011 06:06:11	TauPup	161	50106
29-SEP-2011 06:07:35	AlpCar	2	50106
29-SEP-2011 06:30:43	16BetCet	52	50106
29-SEP-2011 06:41:12	88GamPeg	140	50106
29-SEP-2011 06:45:21	21AlpAnd	58	50106
29-SEP-2011 06:49:09	43BetAnd	53	50106
29-SEP-2011 06:53:55	11BetCas	74	50106
29-SEP-2011 06:55:16	27GamCas	76	50106
29-SEP-2011 07:21:01	17EpsLeo	166	50106
29-SEP-2011 07:37:30	15RhoPup	132	50106
29-SEP-2011 07:41:20	ZetPup	70	50106
29-SEP-2011 07:42:45	21EpsCMa	23	50106
29-SEP-2011 07:44:23	DSA1055	0	50106
29-SEP-2011 07:46:25	TauPup	161	50107
29-SEP-2011 07:47:49	AlpCar	2	50107
29-SEP-2011 08:00:11	The1Eri	157	50107
29-SEP-2011 08:10:57	16BetCet	52	50107
29-SEP-2011 08:21:25	88GamPeg	140	50107
29-SEP-2011 08:25:35	21AlpAnd	58	50107
29-SEP-2011 08:29:22	43BetAnd	53	50107
29-SEP-2011 08:34:09	11BetCas	74	50107
29-SEP-2011 08:35:30	27GamCas	76	50107
29-SEP-2011 09:01:15	17EpsLeo	166	50107
29-SEP-2011 09:17:45	15RhoPup	132	50107
29-SEP-2011 09:21:35	ZetPup	70	50107
29-SEP-2011 09:23:00	21EpsCMa	23	50107
29-SEP-2011 09:24:38	DSA1055	0	50107
29-SEP-2011 09:26:40	TauPup	161	50108
29-SEP-2011 09:28:04	AlpCar	2	50108
29-SEP-2011 09:40:25	The1Eri	157	50108
29-SEP-2011 09:51:11	16BetCet	52	50108
29-SEP-2011 10:01:39	88GamPeg	140	50108
29-SEP-2011 10:05:48	21AlpAnd	58	50108
29-SEP-2011 10:09:35	43BetAnd	53	50108
29-SEP-2011 10:14:22	11BetCas	74	50108
29-SEP-2011 10:15:43	27GamCas	76	50108
29-SEP-2011 10:41:29	17EpsLeo	166	50108

29-SEP-2011 10:58:00	15RhoPup	132	50108
29-SEP-2011 11:01:49	ZetPup	70	50108
29-SEP-2011 11:03:16	21EpsCMa	23	50108
29-SEP-2011 11:04:53	DSA1055	0	50108
29-SEP-2011 11:06:55	TauPup	161	50109
29-SEP-2011 11:08:19	AlpCar	2	50109
29-SEP-2011 11:20:40	The1Eri	157	50109
29-SEP-2011 11:31:25	16BetCet	52	50109
29-SEP-2011 11:41:53	88GamPeg	140	50109
29-SEP-2011 11:46:02	21AlpAnd	58	50109
29-SEP-2011 11:49:48	43BetAnd	53	50109
29-SEP-2011 11:54:36	11BetCas	74	50109
29-SEP-2011 11:55:57	27GamCas	76	50109
29-SEP-2011 12:21:44	17EpsLeo	166	50109
29-SEP-2011 12:38:14	15RhoPup	132	50109
29-SEP-2011 12:42:04	ZetPup	70	50109
29-SEP-2011 12:43:31	21EpsCMa	23	50109
29-SEP-2011 12:45:07	DSA1055	0	50109
29-SEP-2011 12:47:09	TauPup	161	50110
29-SEP-2011 12:48:33	AlpCar	2	50110
29-SEP-2011 13:00:55	The1Eri	157	50110
29-SEP-2011 13:11:39	16BetCet	52	50110
29-SEP-2011 13:22:07	88GamPeg	140	50110
29-SEP-2011 13:26:16	21AlpAnd	58	50110
29-SEP-2011 13:30:02	43BetAnd	53	50110
29-SEP-2011 13:34:50	11BetCas	74	50110
29-SEP-2011 13:36:11	27GamCas	76	50110
29-SEP-2011 14:01:58	17EpsLeo	166	50110
29-SEP-2011 14:18:29	15RhoPup	132	50110
29-SEP-2011 14:22:18	ZetPup	70	50110
29-SEP-2011 14:23:57	PiPup	117	50110
29-SEP-2011 14:25:22	DSA1055	0	50110
29-SEP-2011 14:27:24	TauPup	161	50111
29-SEP-2011 14:28:48	AlpCar	2	50111
29-SEP-2011 14:41:09	The1Eri	157	50111
29-SEP-2011 14:51:53	16BetCet	52	50111
29-SEP-2011 15:02:20	88GamPeg	140	50111
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29-SEP-2011 15:10:15	43BetAnd	53	50111
29-SEP-2011 15:15:03	11BetCas	74	50111
29-SEP-2011 15:16:24	27GamCas	76	50111
29-SEP-2011 15:42:12	17EpsLeo	166	50111
29-SEP-2011 15:58:44	15RhoPup	132	50111
29-SEP-2011 16:02:33	ZetPup	70	50111
29-SEP-2011 16:04:12	PiPup	117	50111
29-SEP-2011 16:05:37	DSA1055	0	50111
29-SEP-2011 16:07:39	TauPup	161	50112
29-SEP-2011 16:09:03	AlpCar	2	50112
29-SEP-2011 16:21:24	The1Eri	157	50112
29-SEP-2011 16:32:07	16BetCet	52	50112
29-SEP-2011 16:42:34	88GamPeg	140	50112
29-SEP-2011 16:46:43	21AlpAnd	58	50112
29-SEP-2011 16:50:28	43BetAnd	53	50112
29-SEP-2011 16:55:17	11BetCas	74	50112
29-SEP-2011 16:56:38	27GamCas	76	50112
29-SEP-2011 17:22:26	17EpsLeo	166	50112
29-SEP-2011 17:38:59	15RhoPup	132	50112
29-SEP-2011 17:42:48	ZetPup	70	50112
29-SEP-2011 17:44:27	PiPup	117	50112

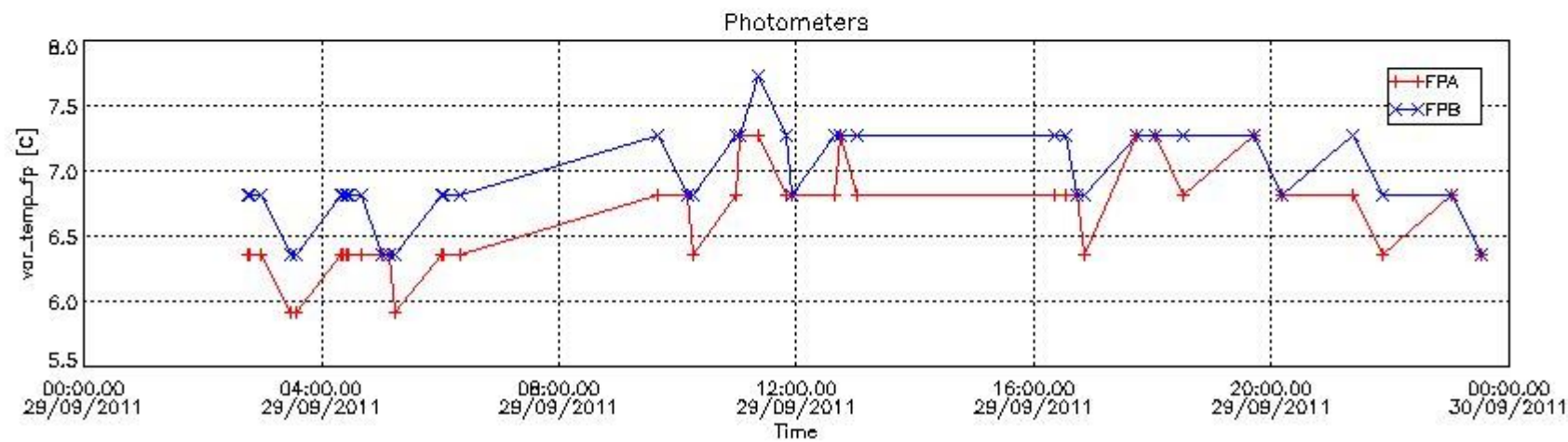
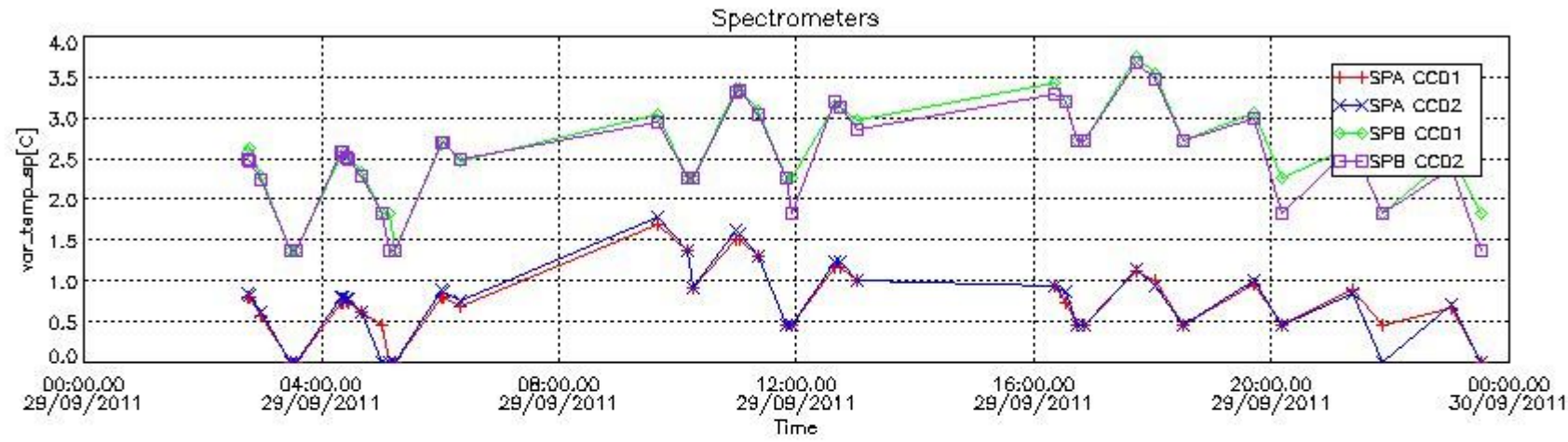
29-SEP-2011 17:45:51	DSA1055	0	50112
29-SEP-2011 17:47:54	TauPup	161	50113
29-SEP-2011 17:49:18	AlpCar	2	50113
29-SEP-2011 18:01:39	The1Eri	157	50113
29-SEP-2011 18:12:21	16BetCet	52	50113
29-SEP-2011 18:22:48	88GamPeg	140	50113
29-SEP-2011 18:26:57	21AlpAnd	58	50113
29-SEP-2011 18:30:42	43BetAnd	53	50113
29-SEP-2011 18:35:31	11BetCas	74	50113
29-SEP-2011 18:36:51	27GamCas	76	50113
29-SEP-2011 19:02:40	17EpsLeo	166	50113
29-SEP-2011 19:19:13	15RhoPup	132	50113
29-SEP-2011 19:23:02	ZetPup	70	50113
29-SEP-2011 19:24:42	PiPup	117	50113
29-SEP-2011 19:26:06	DSA1055	0	50113
29-SEP-2011 19:28:08	TauPup	161	50114
29-SEP-2011 19:29:32	AlpCar	2	50114
29-SEP-2011 19:41:54	The1Eri	157	50114
29-SEP-2011 19:52:35	16BetCet	52	50114
29-SEP-2011 20:03:02	88GamPeg	140	50114
29-SEP-2011 20:07:10	21AlpAnd	58	50114
29-SEP-2011 20:10:55	43BetAnd	53	50114
29-SEP-2011 20:15:45	11BetCas	74	50114
29-SEP-2011 20:17:05	27GamCas	76	50114
29-SEP-2011 20:42:54	17EpsLeo	166	50114
29-SEP-2011 20:59:28	15RhoPup	132	50114
29-SEP-2011 21:03:17	ZetPup	70	50114
29-SEP-2011 21:04:57	PiPup	117	50114
29-SEP-2011 21:06:21	DSA1055	0	50114
29-SEP-2011 21:08:23	TauPup	161	50115
29-SEP-2011 21:09:47	AlpCar	2	50115
29-SEP-2011 21:32:50	16BetCet	52	50115
29-SEP-2011 21:43:15	88GamPeg	140	50115
29-SEP-2011 21:47:24	21AlpAnd	58	50115
29-SEP-2011 21:55:58	11BetCas	74	50115
29-SEP-2011 21:57:18	27GamCas	76	50115
29-SEP-2011 22:23:08	17EpsLeo	166	50115
29-SEP-2011 22:39:43	15RhoPup	132	50115
29-SEP-2011 22:43:32	ZetPup	70	50115
29-SEP-2011 22:45:12	PiPup	117	50115
29-SEP-2011 22:46:36	DSA1055	0	50115
29-SEP-2011 22:48:38	TauPup	161	50116
29-SEP-2011 22:50:02	AlpCar	2	50116
29-SEP-2011 23:13:04	16BetCet	52	50116
29-SEP-2011 23:23:29	88GamPeg	140	50116
29-SEP-2011 23:27:38	21AlpAnd	58	50116
29-SEP-2011 23:36:12	11BetCas	74	50116
29-SEP-2011 23:37:32	27GamCas	76	50116

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_1PNPDE20110929_024539_000000493107_00090_50104_2404.N1	29-SEP-2011 02:45:39	Dark	48.500	161	Tau Pup	2.9310	4500.0	97	50104	No
2	GOM_TRA_1PNPDE20110929_024703_000000533107_00090_50104_2405.N1	29-SEP-2011 02:47:03	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	50104	No
3	GOM_TRA_1PNPDE20110929_025924_000000523107_00090_50104_2406.N1	29-SEP-2011 02:59:24	Straylight	52.000	157	The1Eri	2.9060	9300.0	104	50104	No
4	GOM_TRA_1PNPDE20110929_032840_000000413107_00090_50104_2407.N1	29-SEP-2011 03:28:40	Bright	41.000	53	43Bet And	2.0480	3300.0	82	50104	No
5	GOM_TRA_1PNPDE20110929_033447_000000413107_00090_50104_2408.N1	29-SEP-2011 03:34:47	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	50104	No
6	GOM_TRA_1PNPDE20110929_042031_000000493107_00090_50104_2443.N1	29-SEP-2011 04:20:31	Dark	49.000	88	31Eta CMa	2.4480	20000.	98	50104	No

7	GOM_TRA_1PNPDE20110929_042212_00000553107_00090_50104_2444.N1	29-SEP-2011 04:22:12	Dark	54.500	23	21Eps CMa	1.5020	26000.	109	50104	No
8	GOM_TRA_1PNPDE20110929_042554_000000423107_00091_50105_2445.N1	29-SEP-2011 04:25:54	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	50105	No
9	GOM_TRA_1PNPDE20110929_042718_000000573107_00091_50105_2446.N1	29-SEP-2011 04:27:18	Dark	57.000	2	Alp Car	-0.73600	7000.0	114	50105	No
10	GOM_TRA_1PNPDE20110929_043939_000000493107_00091_50105_2447.N1	29-SEP-2011 04:39:39	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	50105	No
11	GOM_TRA_1PNPDE20110929_050056_000000413107_00091_50105_2448.N1	29-SEP-2011 05:00:56	Bright	40.500	140	88Gam Peg	2.8340	26000.	81	50105	No
12	GOM_TRA_1PNPDE20110929_050853_000000413107_00091_50105_2449.N1	29-SEP-2011 05:08:53	Bright	41.000	53	43Bet And	2.0480	3300.0	82	50105	No
13	GOM_TRA_1PNPDE20110929_051500_000000413107_00091_50105_2450.N1	29-SEP-2011 05:15:00	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	50105	No
14	GOM_TRA_1PNPDE20110929_060046_000000483107_00091_50105_2487.N1	29-SEP-2011 06:00:46	Dark	48.000	88	31Eta CMa	2.4480	20000.	96	50105	No
15	GOM_TRA_1PNPDE20110929_060228_000000603107_00091_50105_2488.N1	29-SEP-2011 06:02:28	Dark	60.000	23	21Eps CMa	1.5020	26000.	120	50105	No
16	GOM_TRA_1PNPDE20110929_061954_000000503107_00092_50106_2489.N1	29-SEP-2011 06:19:54	Straylight	50.000	157	The1Eri	2.9060	9300.0	100	50106	No
17	GOM_TRA_1PNPDK20110929_094023_000000503107_00094_50108_1142.N1	29-SEP-2011 09:40:23	Straylight	50.000	157	The1Eri	2.9060	9300.0	100	50108	No
18	GOM_TRA_1PNPDK20110929_100933_000000473107_00094_50108_1190.N1	29-SEP-2011 10:09:33	Bright	46.500	53	43Bet And	2.0480	3300.0	93	50108	No
19	GOM_TRA_1PNPDK20110929_101541_000000393107_00094_50108_1191.N1	29-SEP-2011 10:15:41	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	50108	No
20	GOM_TRA_1PNPDK20110929_105757_000000473107_00094_50108_1192.N1	29-SEP-2011 10:57:57	Dark	47.000	132	15Rho Pup	2.8030	6900.0	94	50108	No
21	GOM_TRA_1PNPDK20110929_110313_000000553107_00094_50108_1193.N1	29-SEP-2011 11:03:13	Dark	55.000	23	21Eps CMa	1.5020	26000.	110	50108	No
22	GOM_TRA_1PNPDK20110929_112038_000000503107_00095_50109_1194.N1	29-SEP-2011 11:20:38	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	50109	No
23	GOM_TRA_1PNPDK20110929_114946_000000503107_00095_50109_1259.N1	29-SEP-2011 11:49:46	Bright	49.500	53	43Bet And	2.0480	3300.0	99	50109	No
24	GOM_TRA_1PNPDK20110929_115555_000000403107_00095_50109_1260.N1	29-SEP-2011 11:55:55	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	50109	No
25	GOM_TRA_1PNPDK20110929_123812_000000463107_00095_50109_1261.N1	29-SEP-2011 12:38:12	Dark	46.000	132	15Rho Pup	2.8030	6900.0	92	50109	No
26	GOM_TRA_1PNPDK20110929_124328_000000663107_00095_50109_1262.N1	29-SEP-2011 12:43:28	Dark	65.500	23	21Eps CMa	1.5020	26000.	131	50109	No
27	GOM_TRA_1PNPDK20110929_130052_000000503107_00096_50110_1263.N1	29-SEP-2011 13:00:52	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	50110	No
28	GOM_TRA_1PNPDK20110929_162122_000000503107_00098_50112_1325.N1	29-SEP-2011 16:21:22	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	50112	No
29	GOM_TRA_1PNPDK20110929_163205_000000483107_00098_50112_1361.N1	29-SEP-2011 16:32:05	Straylight	48.000	52	16Bet Cet	2.0370	4500.0	96	50112	No
30	GOM_TRA_1PNPDK20110929_164232_000000413107_00098_50112_1362.N1	29-SEP-2011 16:42:32	Bright	40.500	140	88Gam Peg	2.8340	26000.	81	50112	No
31	GOM_TRA_1PNPDK20110929_165026_000000493107_00098_50112_1363.N1	29-SEP-2011 16:50:26	Bright	49.000	53	43Bet And	2.0480	3300.0	98	50112	No
32	GOM_TRA_1PNPDK20110929_174425_000000493107_00098_50112_1364.N1	29-SEP-2011 17:44:25	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	50112	No
33	GOM_TRA_1PNPDK20110929_180137_000000503107_00099_50113_1365.N1	29-SEP-2011 18:01:37	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	50113	No
34	GOM_TRA_1PNPDK20110929_183039_000000493107_00099_50113_1394.N1	29-SEP-2011 18:30:39	Bright	49.000	53	43Bet And	2.0480	3300.0	98	50113	No
35	GOM_TRA_1PNPDK20110929_194151_000000493107_00100_50114_1395.N1	29-SEP-2011 19:41:51	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	50114	No
36	GOM_TRA_1PNPDE20110929_201053_000000483107_00100_50114_2617.N1	29-SEP-2011 20:10:53	Bright	47.500	53	43Bet And	2.0480	3300.0	95	50114	No
37	GOM_TRA_1PNPDE20110929_212206_000000523107_00101_50115_2636.N1	29-SEP-2011 21:22:06	Straylight	51.500	157	The1Eri	2.9060	9300.0	103	50115	No
38	GOM_TRA_1PNPDE20110929_215106_000000483107_00101_50115_2637.N1	29-SEP-2011 21:51:06	Bright	48.000	53	43Bet And	2.0480	3300.0	96	50115	No
39	GOM_TRA_1PNPDE20110929_230220_000000523107_00102_50116_2666.N1	29-SEP-2011 23:02:20	Straylight	51.500	157	The1Eri	2.9060	9300.0	103	50116	No
40	GOM_TRA_1PNPDE20110929_233119_000000483107_00102_50116_2667.N1	29-SEP-2011 23:31:19	Bright	48.000	53	43Bet And	2.0480	3300.0	96	50116	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).

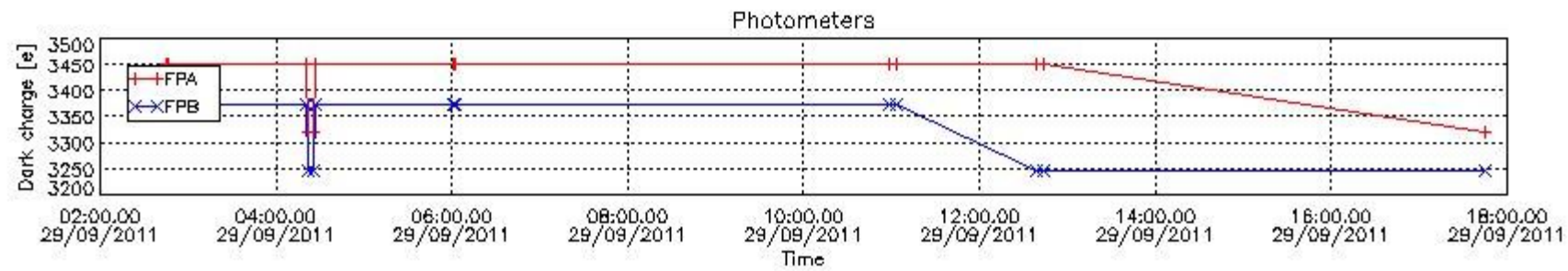
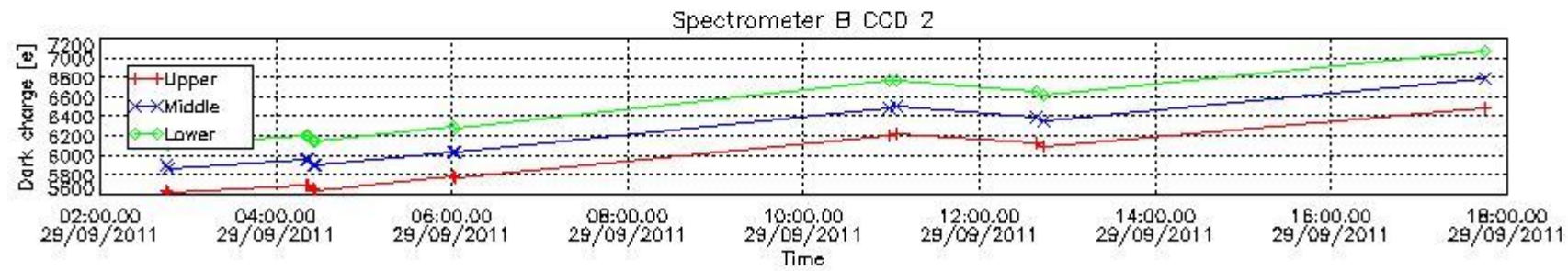
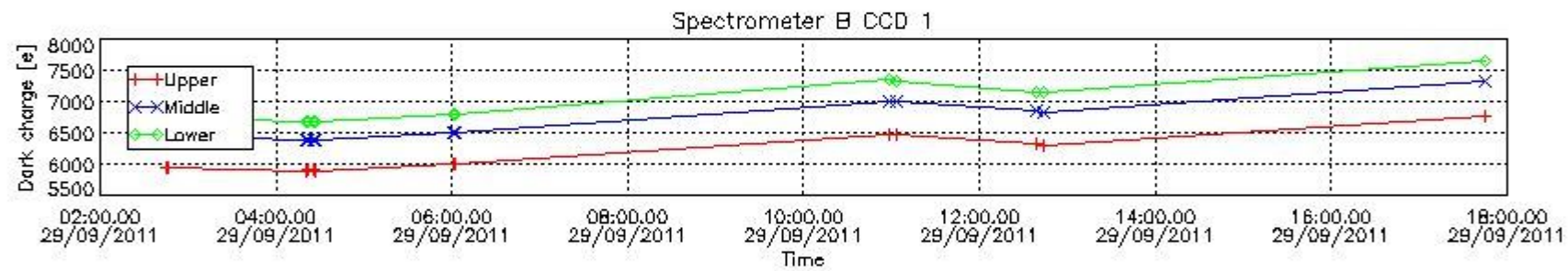
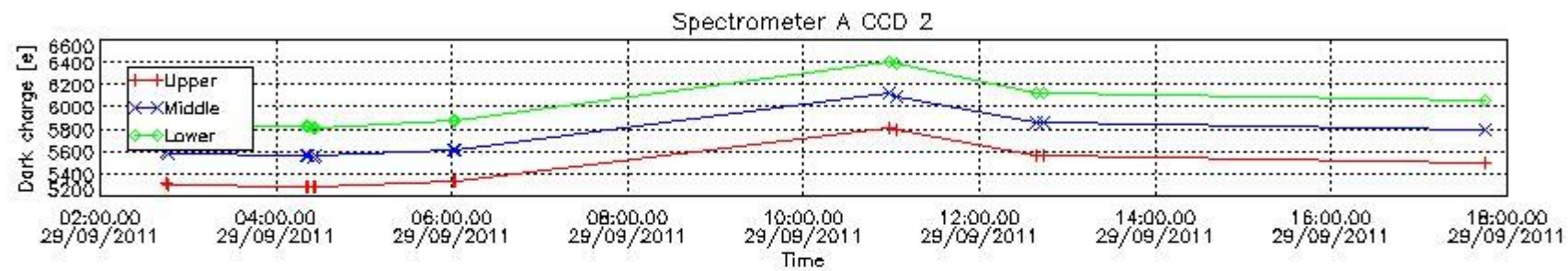
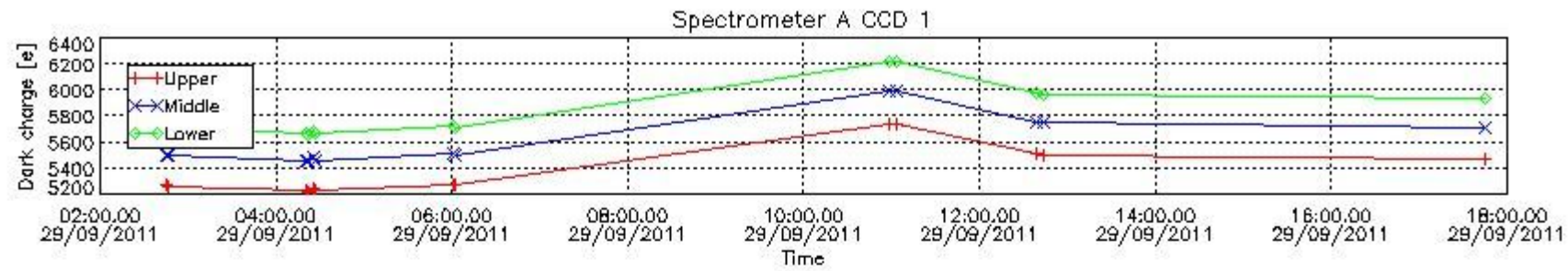
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110929_024539_000000493107_00090_50104_2404.N1	DC map used
GOM_TRA_1PNPDE20110929_024703_000000533107_00090_50104_2405.N1	DC map used
GOM_TRA_1PNPDE20110929_025924_000000523107_00090_50104_2406.N1	DC map used
GOM_TRA_1PNPDE20110929_032840_000000413107_00090_50104_2407.N1	DC map used
GOM_TRA_1PNPDE20110929_033447_000000413107_00090_50104_2408.N1	DC map used
GOM_TRA_1PNPDE20110929_042031_000000493107_00090_50104_2443.N1	DC map used
GOM_TRA_1PNPDE20110929_042212_000000553107_00090_50104_2444.N1	DC map used
GOM_TRA_1PNPDE20110929_042554_000000423107_00091_50105_2445.N1	DC map used
GOM_TRA_1PNPDE20110929_042718_000000573107_00091_50105_2446.N1	DC map used
GOM_TRA_1PNPDE20110929_043939_000000493107_00091_50105_2447.N1	DC map used
GOM_TRA_1PNPDE20110929_050056_000000413107_00091_50105_2448.N1	DC map used
GOM_TRA_1PNPDE20110929_050853_000000413107_00091_50105_2449.N1	DC map used
GOM_TRA_1PNPDE20110929_051500_000000413107_00091_50105_2450.N1	DC map used
GOM_TRA_1PNPDE20110929_060046_000000483107_00091_50105_2487.N1	DC map used

GOM_TRA_1PNPDE20110929_060228_000000603107_00091_50105_2488.N1	DC map used
GOM_TRA_1PNPDE20110929_061954_000000503107_00092_50106_2489.N1	DC map used
GOM_TRA_1PNPDK20110929_094023_000000503107_00094_50108_1142.N1	DC map used
GOM_TRA_1PNPDK20110929_100933_000000473107_00094_50108_1190.N1	DC map used
GOM_TRA_1PNPDK20110929_101541_000000393107_00094_50108_1191.N1	DC map used
GOM_TRA_1PNPDK20110929_105757_000000473107_00094_50108_1192.N1	DC map used
GOM_TRA_1PNPDK20110929_110313_000000553107_00094_50108_1193.N1	DC map used
GOM_TRA_1PNPDK20110929_112038_000000503107_00095_50109_1194.N1	DC map used
GOM_TRA_1PNPDK20110929_114946_000000503107_00095_50109_1259.N1	DC map used
GOM_TRA_1PNPDK20110929_115555_000000403107_00095_50109_1260.N1	DC map used
GOM_TRA_1PNPDK20110929_123812_000000463107_00095_50109_1261.N1	DC map used
GOM_TRA_1PNPDK20110929_124328_000000663107_00095_50109_1262.N1	DC map used
GOM_TRA_1PNPDK20110929_130052_000000503107_00096_50110_1263.N1	DC map used
GOM_TRA_1PNPDK20110929_162122_000000503107_00098_50112_1325.N1	DC map used
GOM_TRA_1PNPDK20110929_163205_000000483107_00098_50112_1361.N1	DC map used
GOM_TRA_1PNPDK20110929_164232_000000413107_00098_50112_1362.N1	DC map used
GOM_TRA_1PNPDK20110929_165026_000000493107_00098_50112_1363.N1	DC map used
GOM_TRA_1PNPDK20110929_174425_000000493107_00098_50112_1364.N1	DC map used
GOM_TRA_1PNPDK20110929_180137_000000503107_00099_50113_1365.N1	DC map used
GOM_TRA_1PNPDK20110929_183039_000000493107_00099_50113_1394.N1	DC map used
GOM_TRA_1PNPDK20110929_194151_000000493107_00100_50114_1395.N1	DC map used
GOM_TRA_1PNPDE20110929_201053_000000483107_00100_50114_2617.N1	DC map used
GOM_TRA_1PNPDE20110929_212206_000000523107_00101_50115_2636.N1	DC map used
GOM_TRA_1PNPDE20110929_215106_000000483107_00101_50115_2637.N1	DC map used
GOM_TRA_1PNPDE20110929_230220_000000523107_00102_50116_2666.N1	DC map used
GOM_TRA_1PNPDE20110929_233119_000000483107_00102_50116_2667.N1	DC map used

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



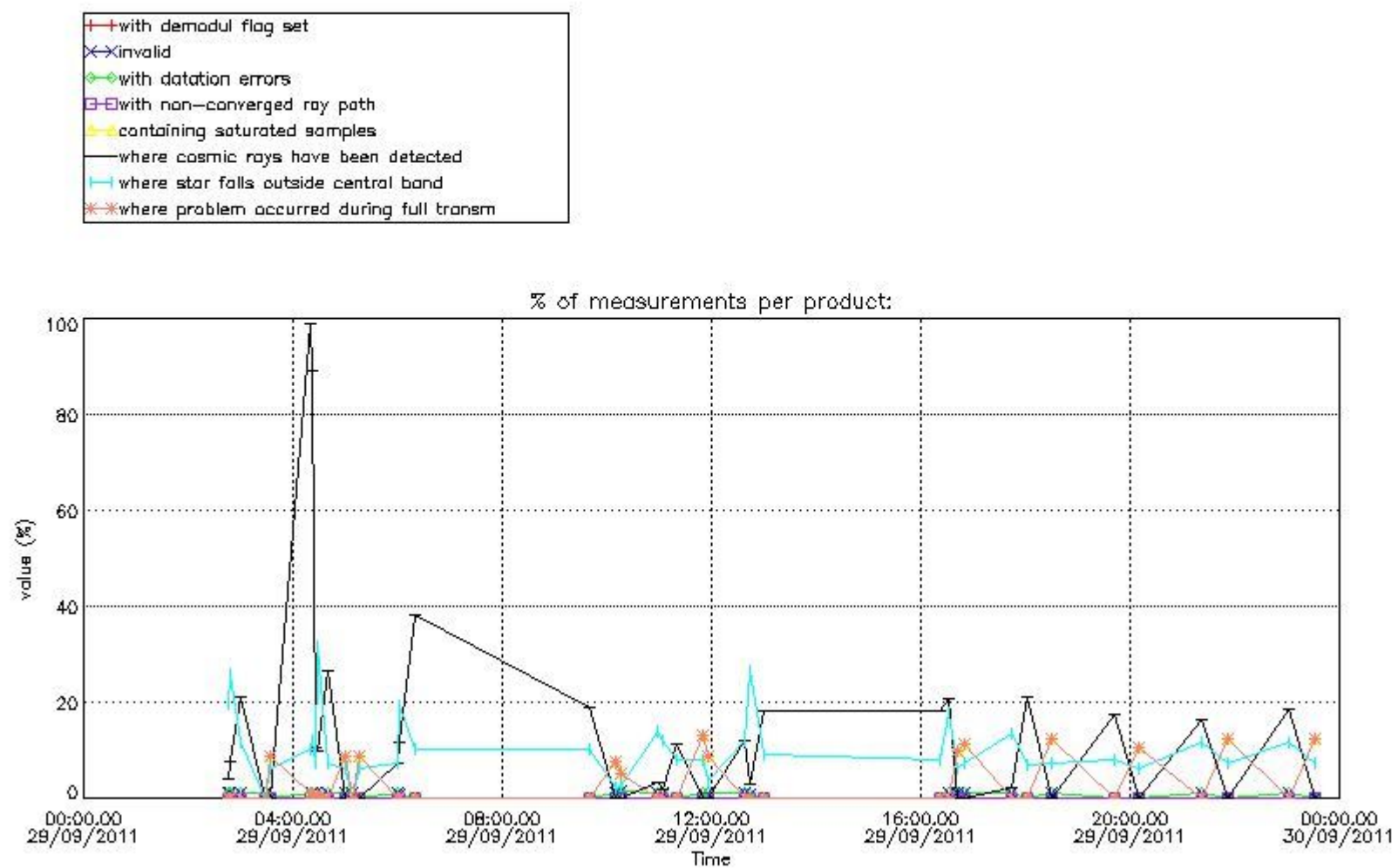
5. Demodulation flag and quality information monitoring

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.

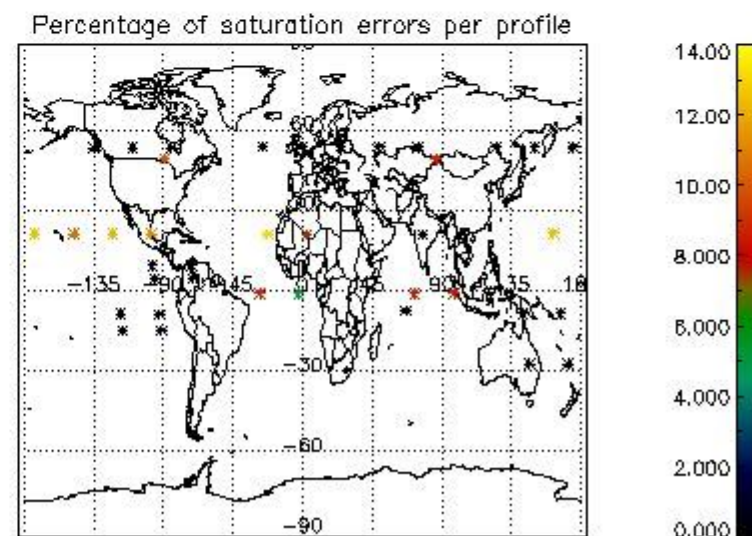
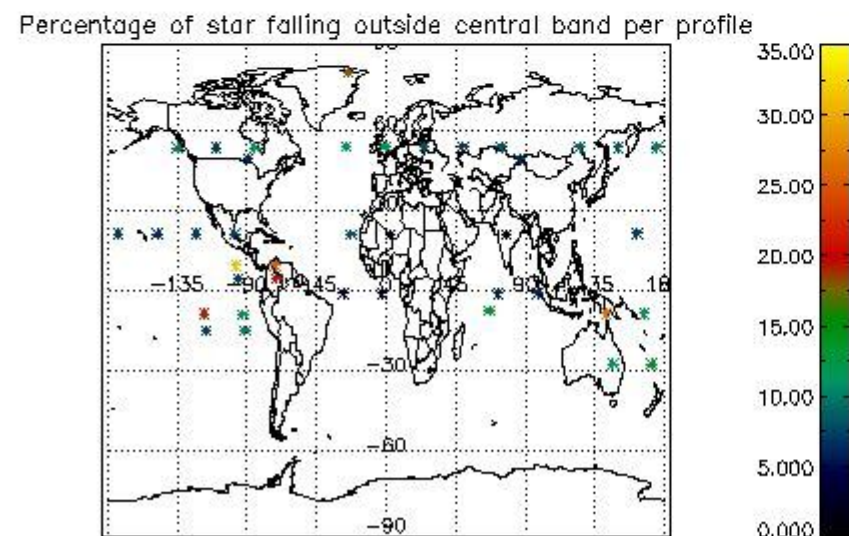
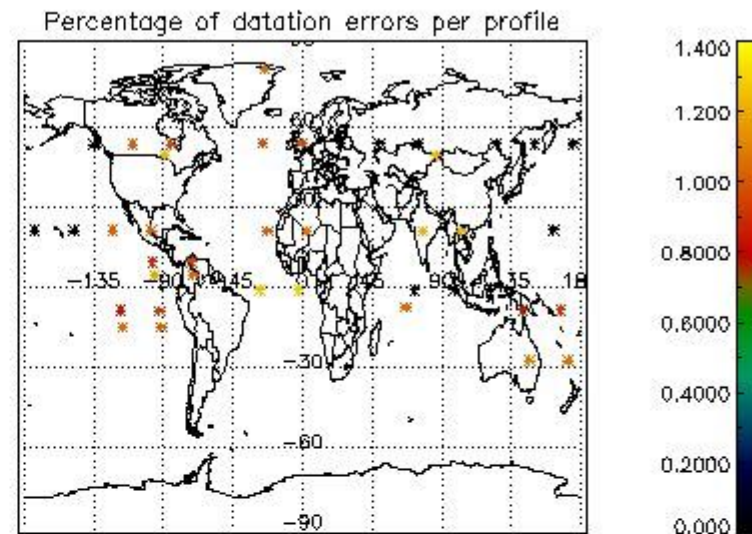
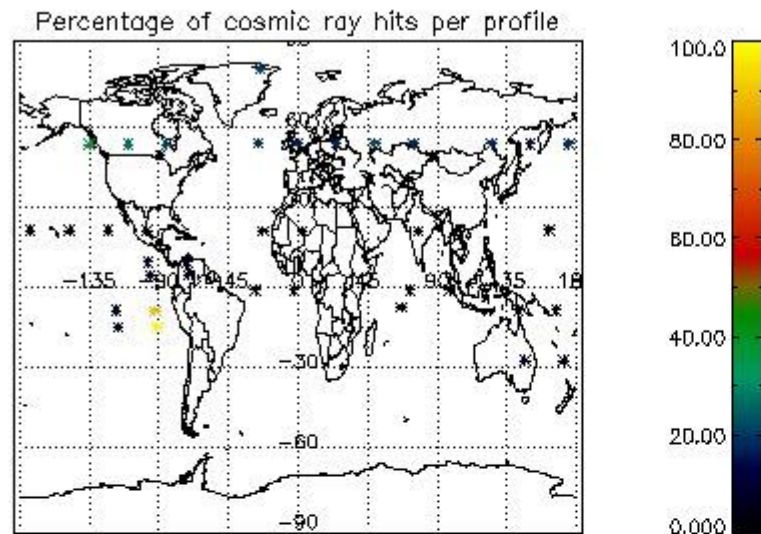
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	60.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	37.5000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



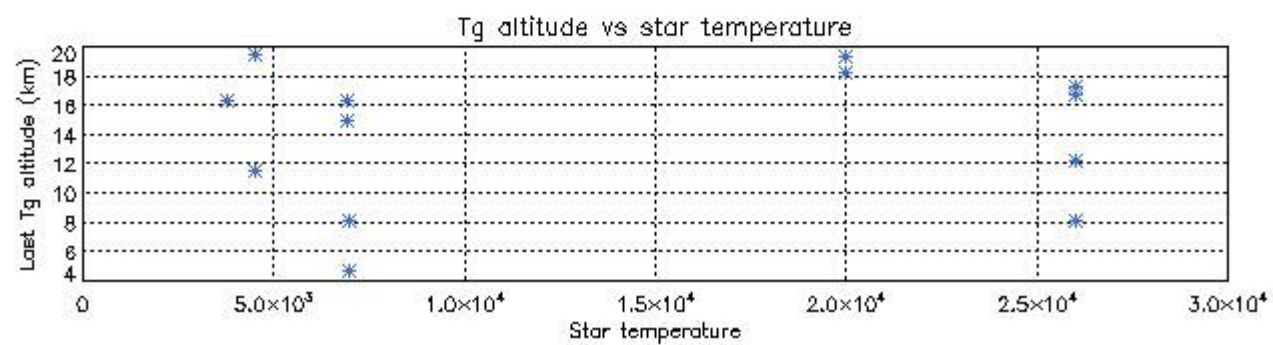
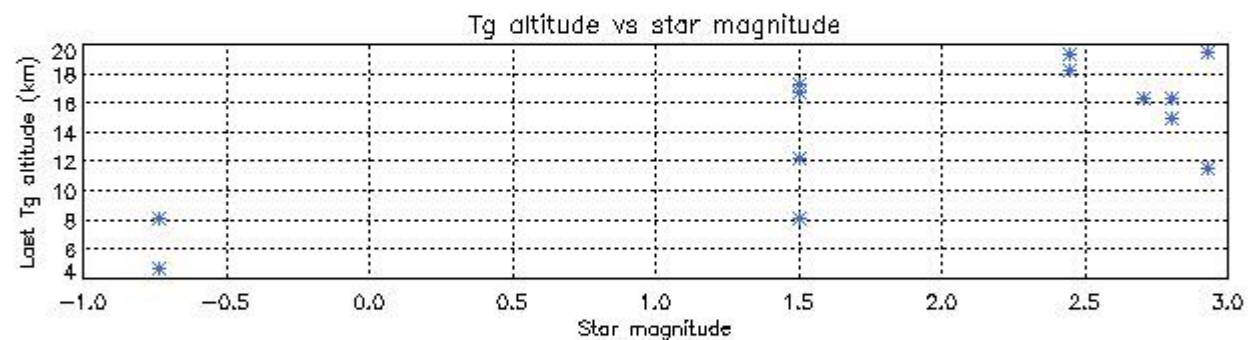
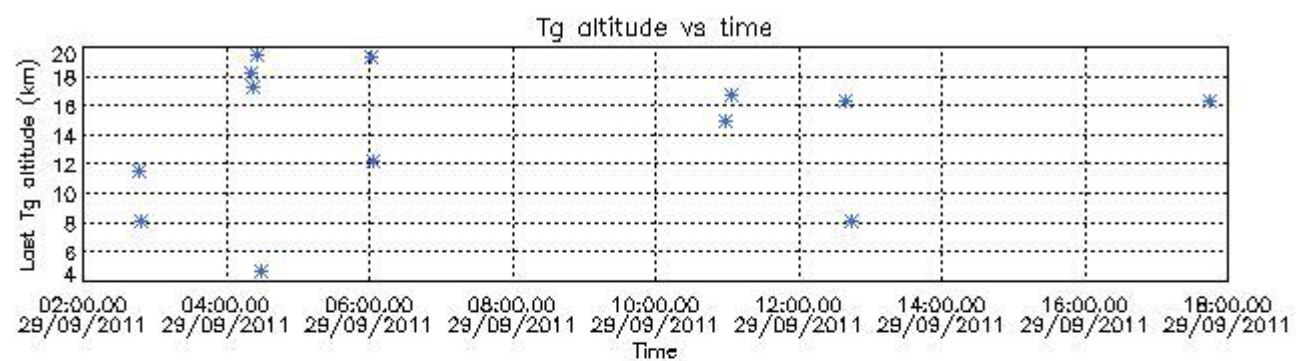
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.069	22.820	NaN
St. deviation:	4.7379	5.0177	NaN
Maximum:	19.418	34.739	NaN
Minimum:	4.7113	18.709	NaN
Number of data:	13.000	15.000	NaN

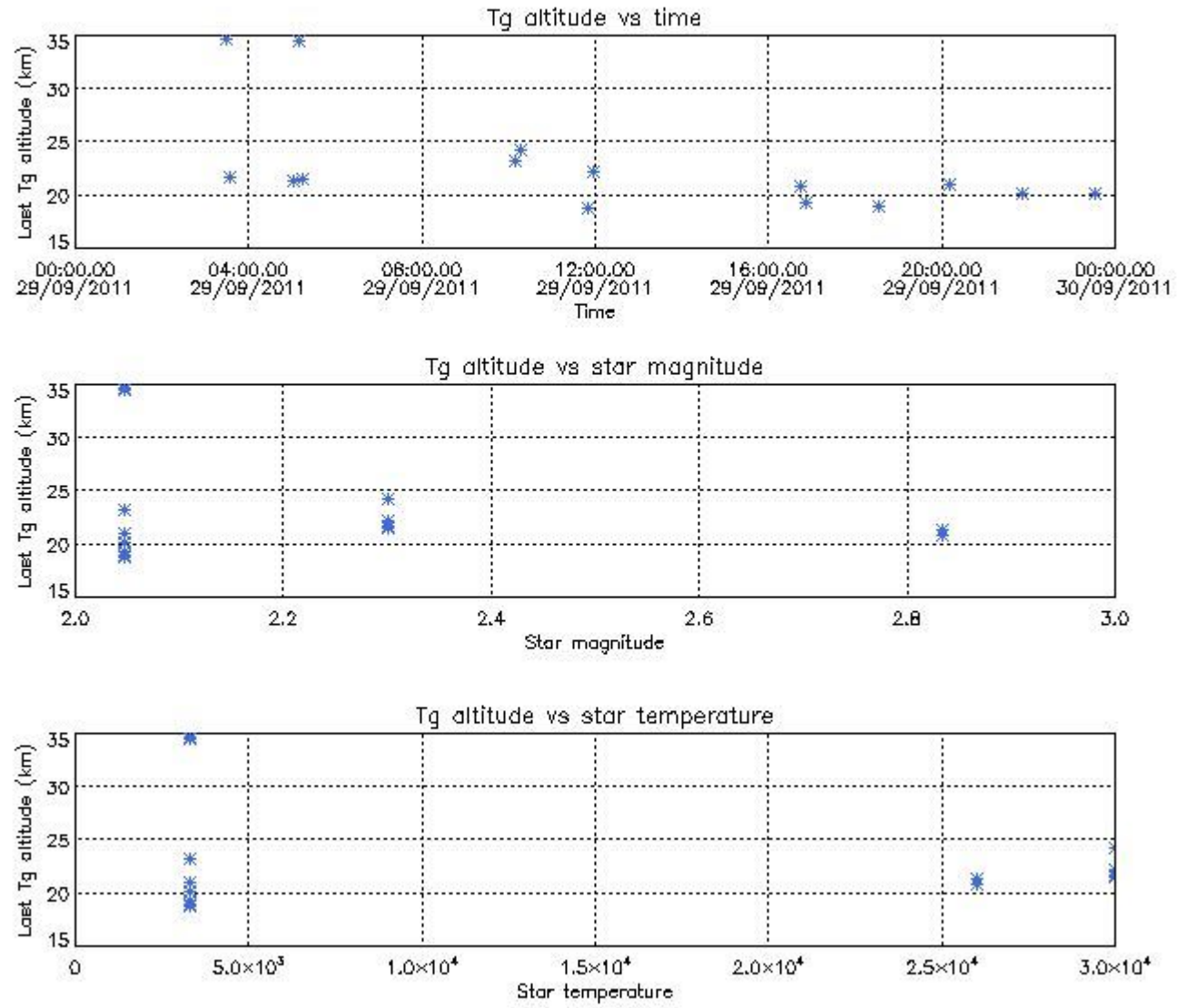
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

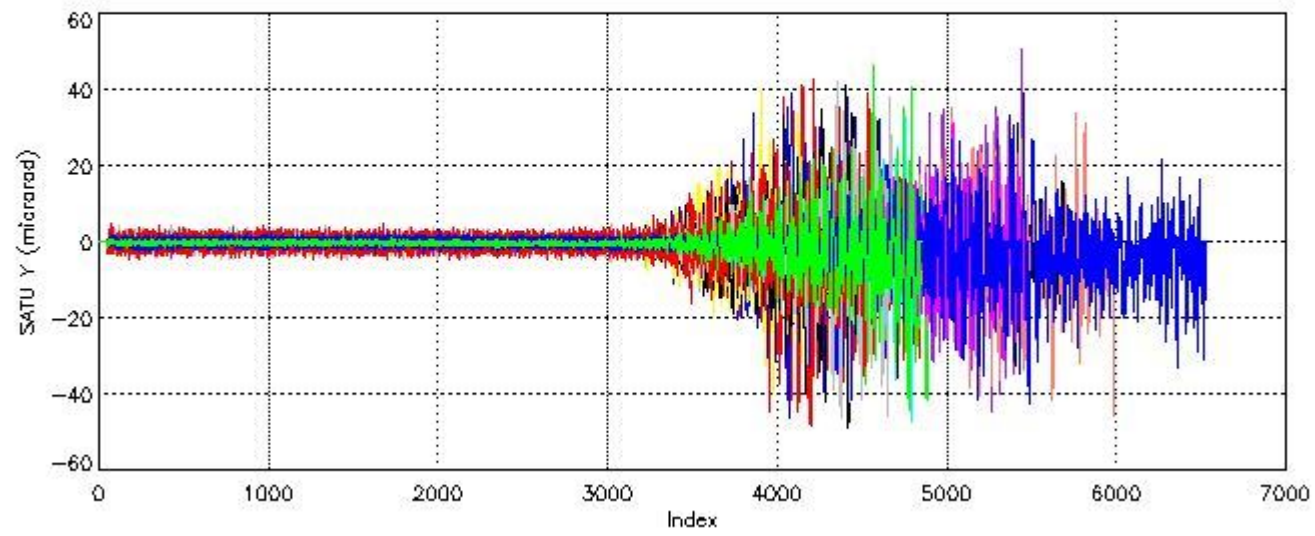
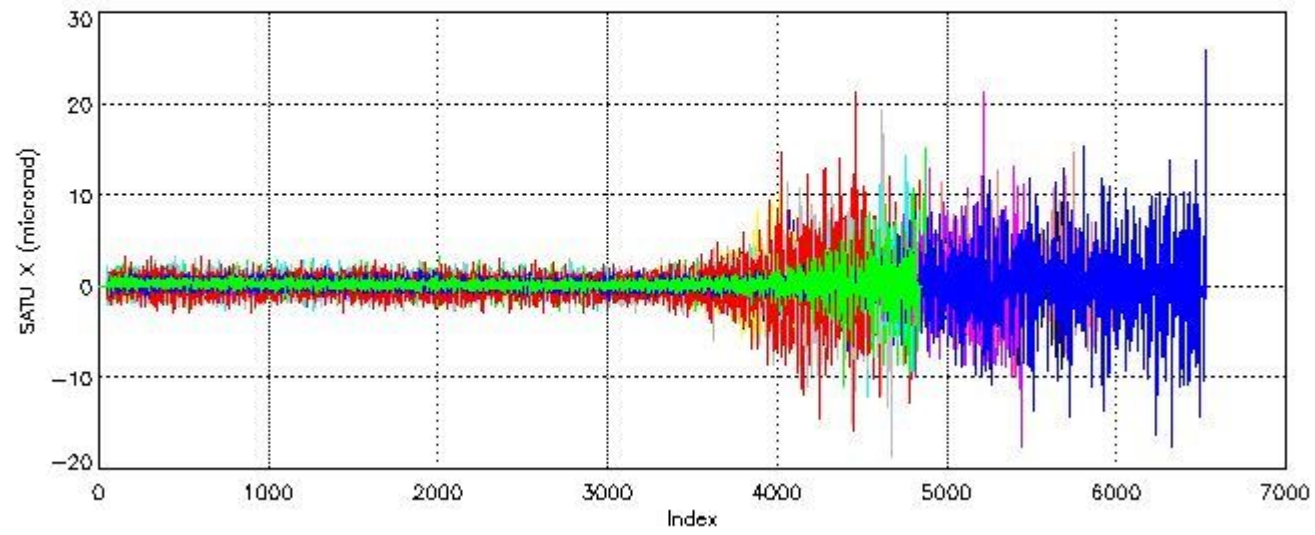


7. Star Acquisition and Tracking Unit (SATU)

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:	0.19256	-0.25676	0.33420	-0.24066
St. deviation:	0.55204	0.85453	0.58180	0.75041
Maximum:	3.3000	4.6000	5.7000	7.1000
Minimum:	-2.9000	-4.8000	-4.9000	-7.3000

Number of data:	14500.	14500.	16600.	16600.
90Percentile:	0.90000	0.90000	0.90000	0.60000

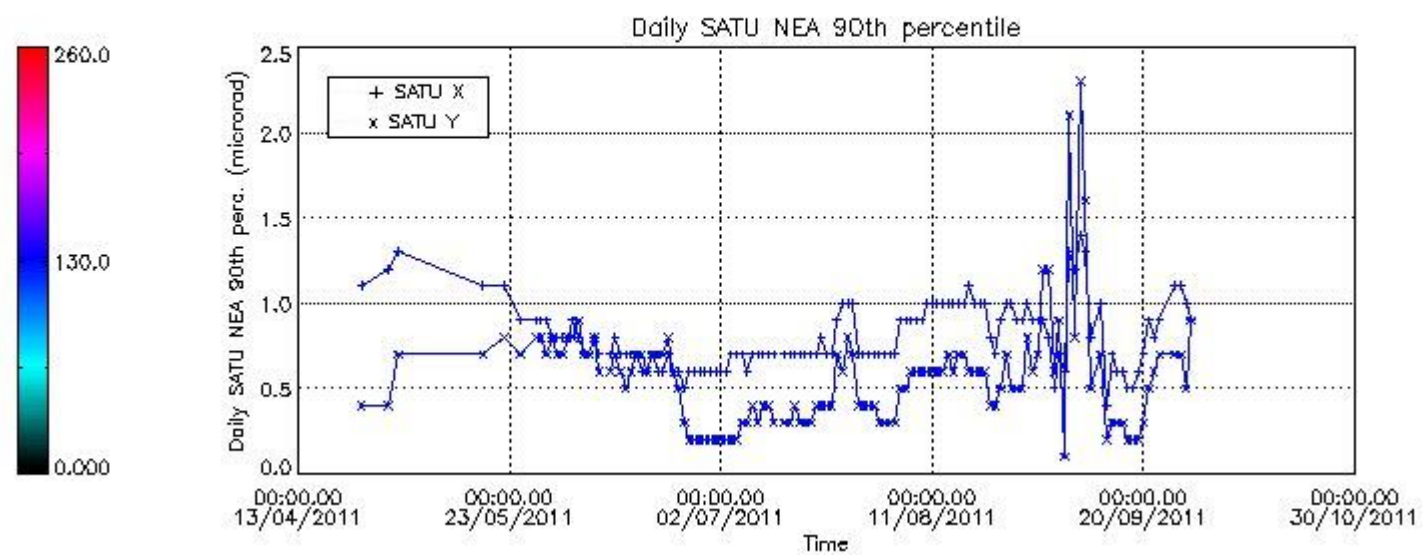
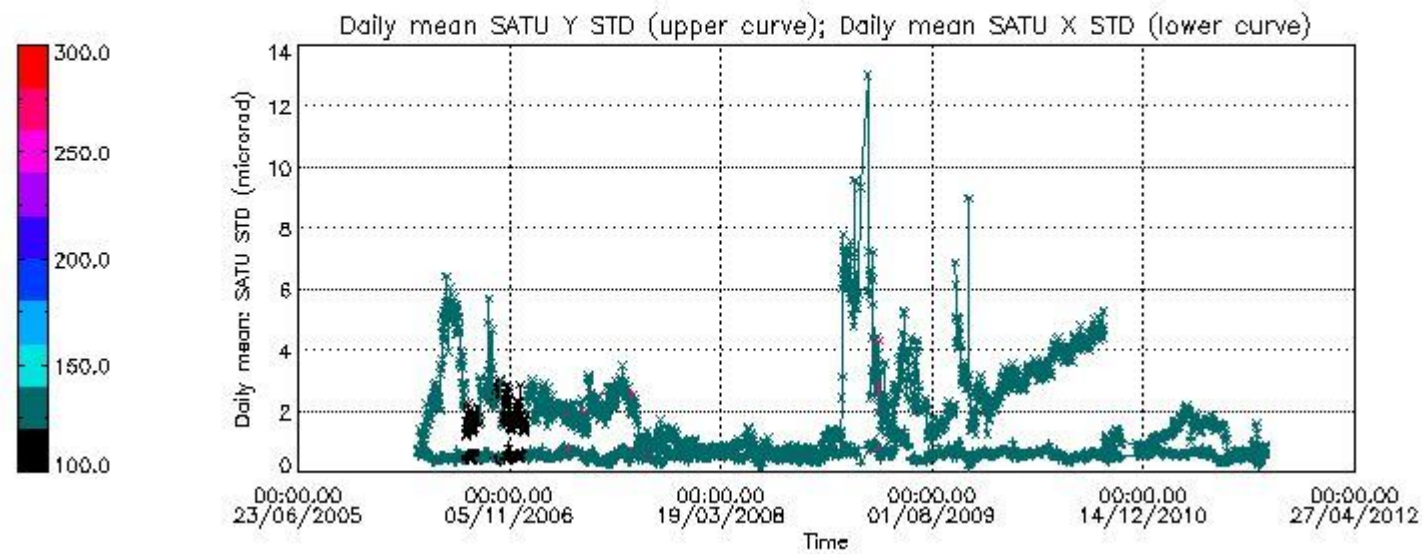
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

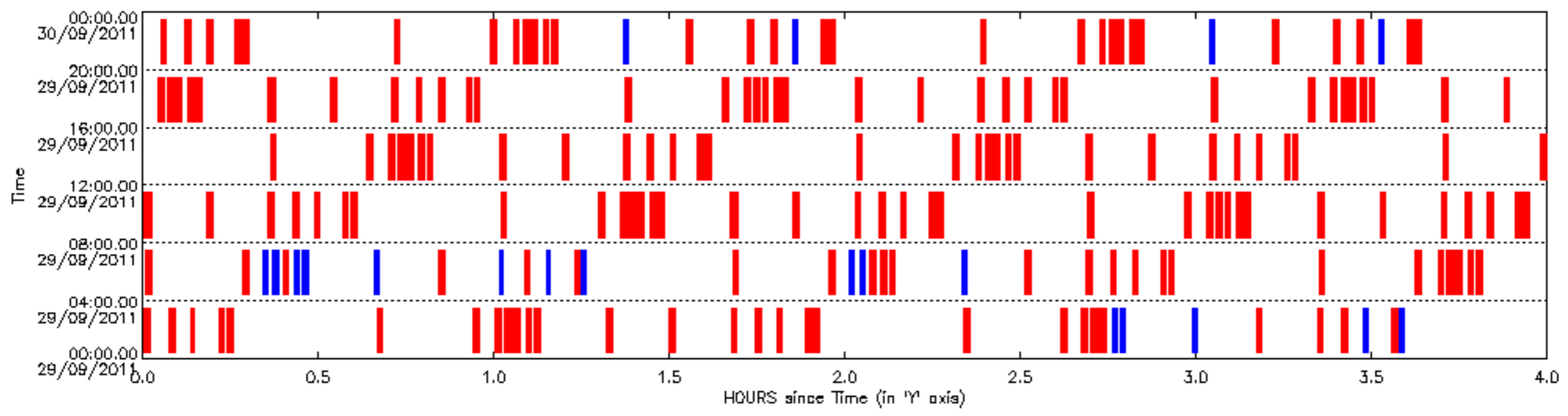
Lower curve: STD of SATU X axis

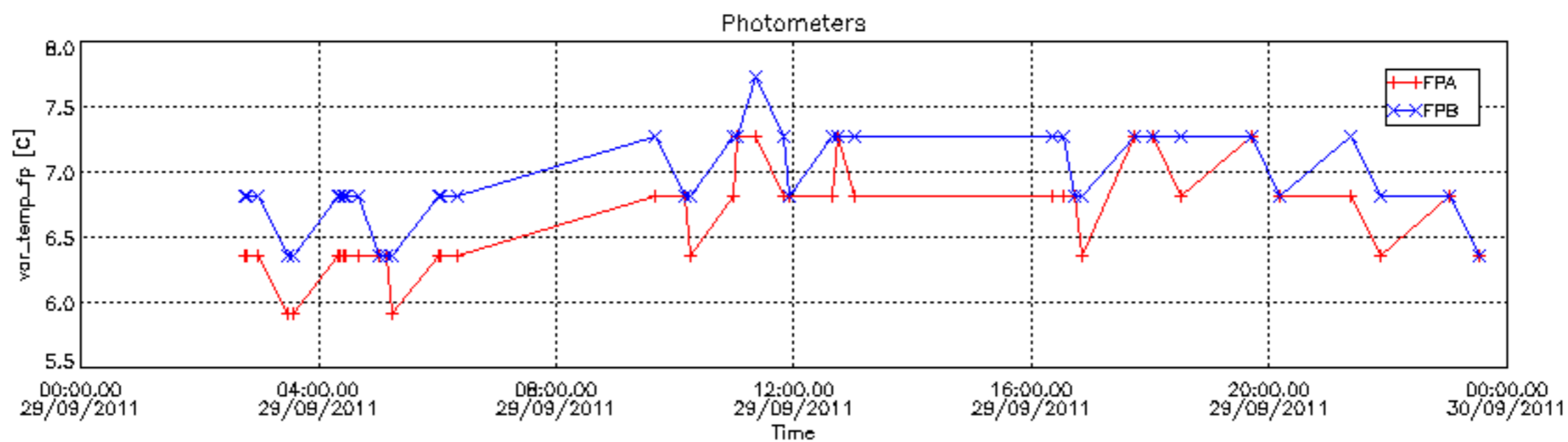
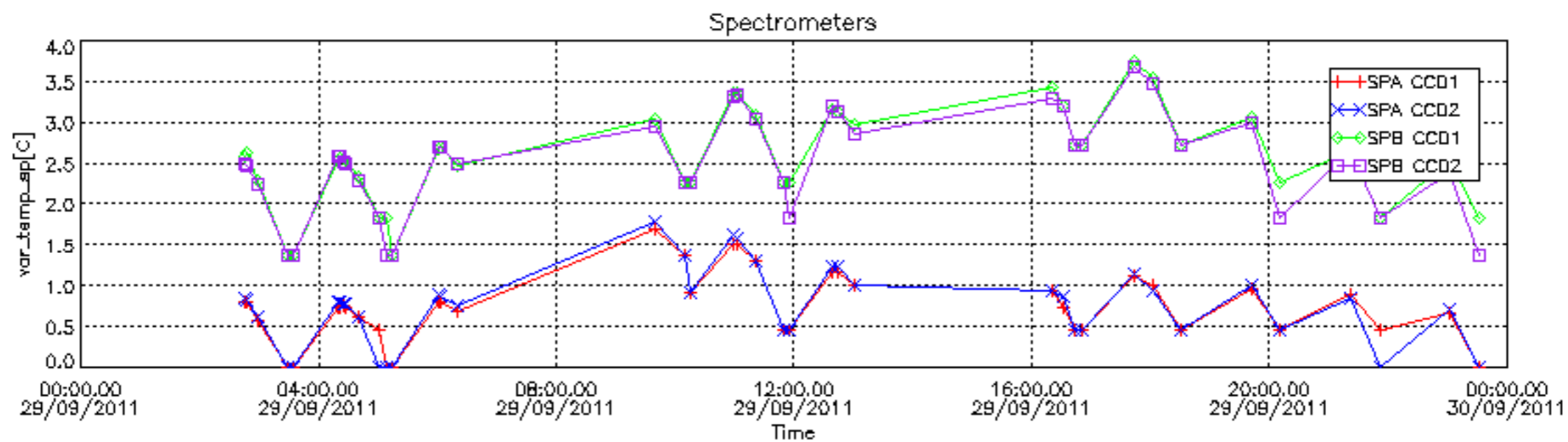


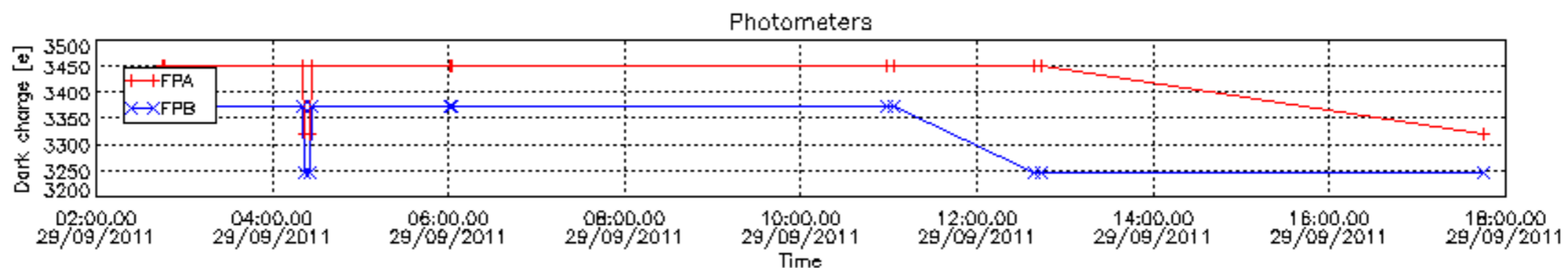
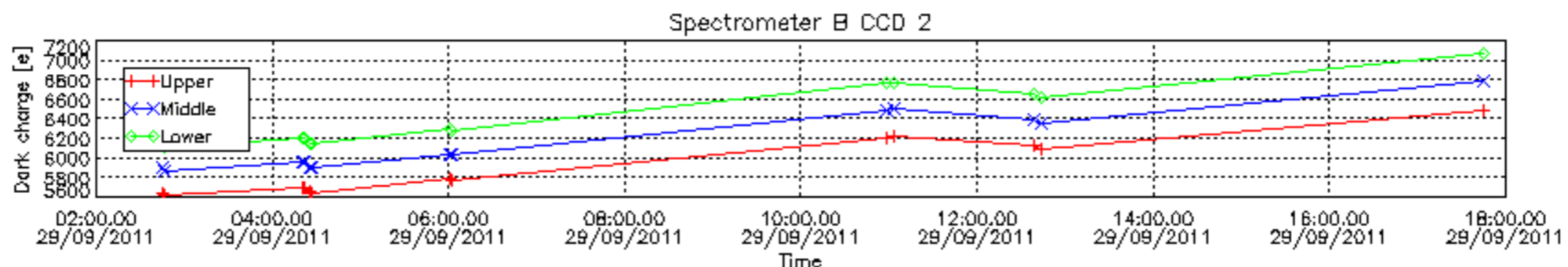
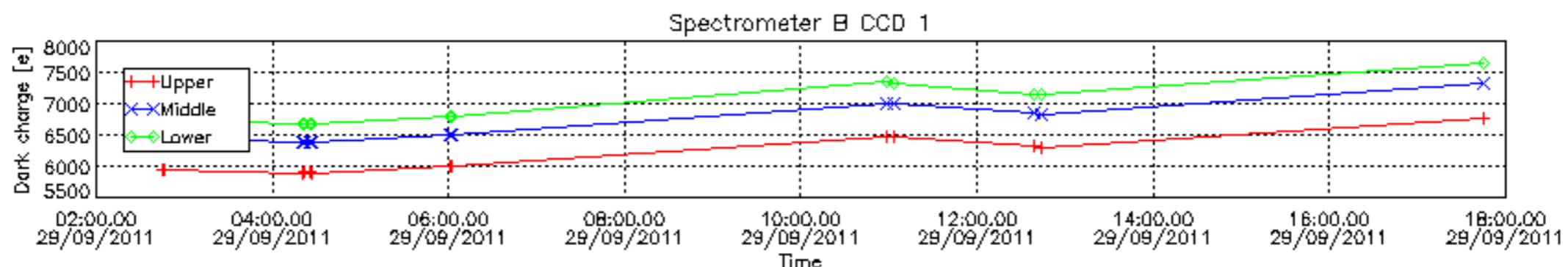
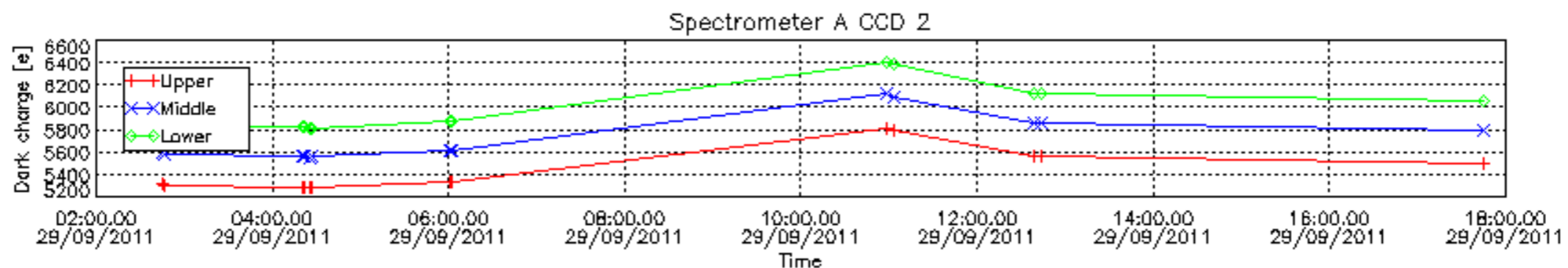
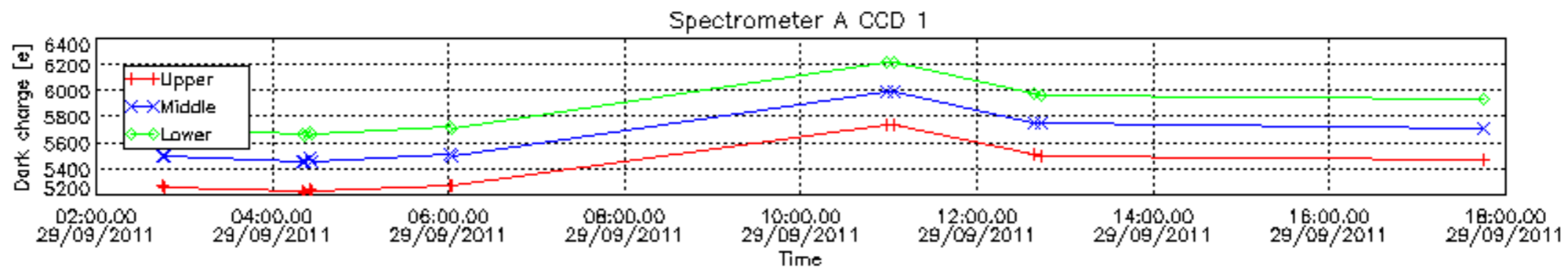
8. Auxiliary Data Files used for the production reported in section 2.4

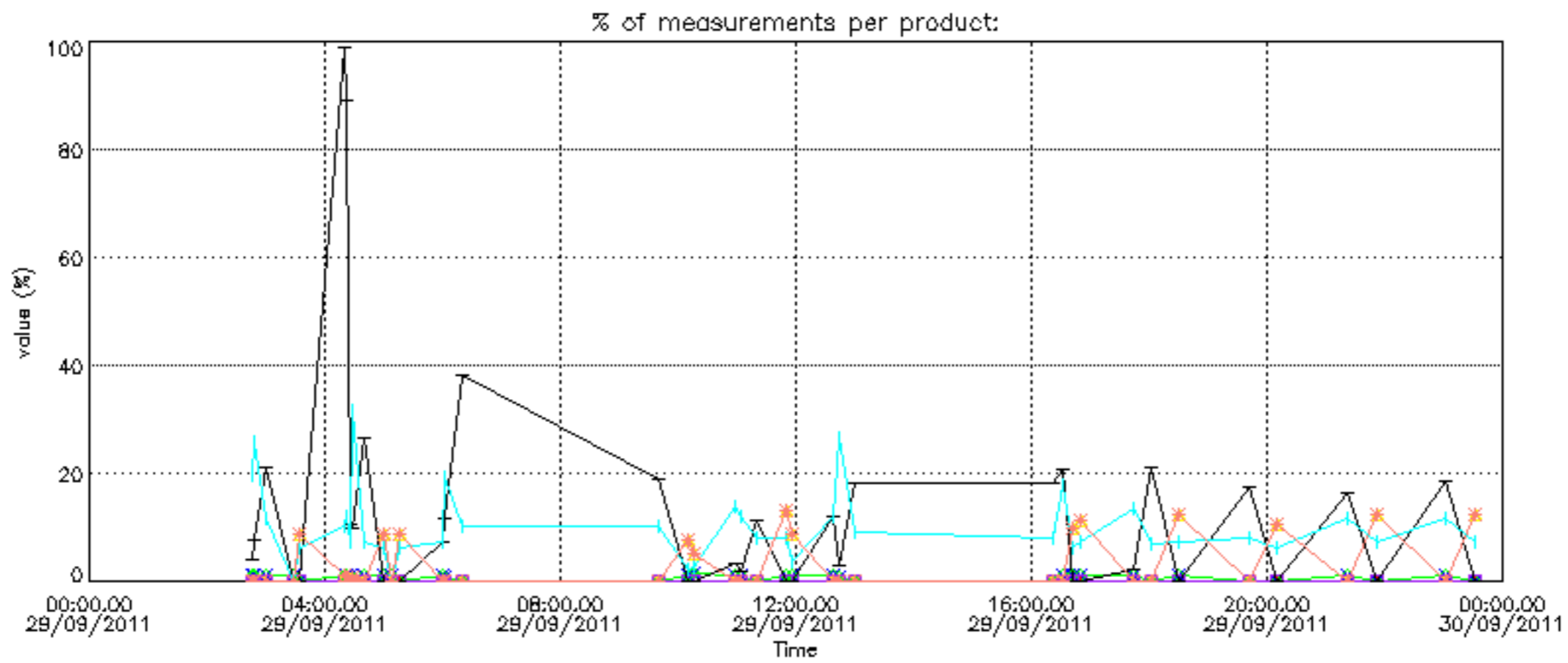
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-SEP-2011 02:45:39
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110923_090428_20110920_000000_20500101_000000	1	29-SEP-2011 02:45:39
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	29-SEP-2011 02:45:39
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-SEP-2011 02:45:39
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-SEP-2011 02:45:39
ECMWF_FILE	AUX_ECF_AXNECM20110928_063520_20110928_210000_20110929_090000	1	29-SEP-2011 02:45:39
ECMWF_FILE	AUX_ECF_AXNECM20110928_183519_20110929_030000_20110929_150000	6	29-SEP-2011 04:20:31
ECMWF_FILE	AUX_ECA_AXNECM20110929_062114_20110928_210000_20110929_090000	14	29-SEP-2011 06:00:46
ECMWF_FILE	AUX_ECF_AXNECM20110929_062114_20110929_090000_20110929_210000	17	29-SEP-2011 09:40:23
ECMWF_FILE	AUX_ECF_AXNECM20110929_062115_20110929_150000_20110930_030000	28	29-SEP-2011 16:21:22
ECMWF_FILE	AUX_ECA_AXNECM20110929_180924_20110929_090000_20110929_210000	34	29-SEP-2011 18:30:39
ECMWF_FILE	AUX_ECF_AXNECM20110929_062116_20110929_210000_20110930_090000	37	29-SEP-2011 21:22:06
OPTIONAL_ECMWF_FILE	MISSING	1	29-SEP-2011 02:45:39
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110928_101518_20110927_190002_20111007_211346	1	29-SEP-2011 02:45:39
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110929_102113_20110928_182318_20111008_203702	18	29-SEP-2011 10:09:33
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110929_222927_20110929_092523_20111009_095854	39	29-SEP-2011 23:02:20

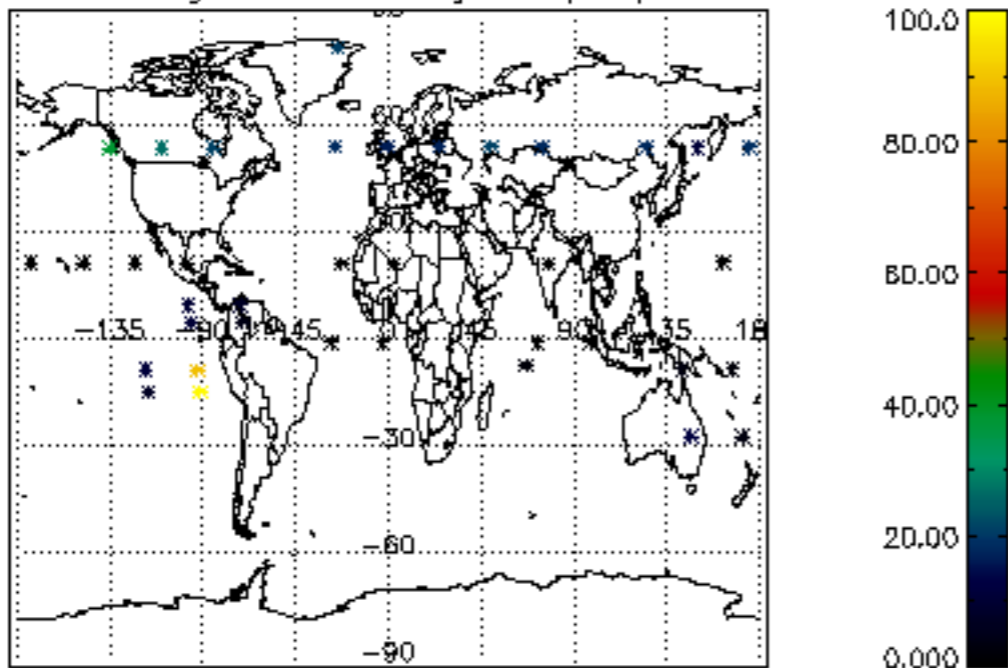




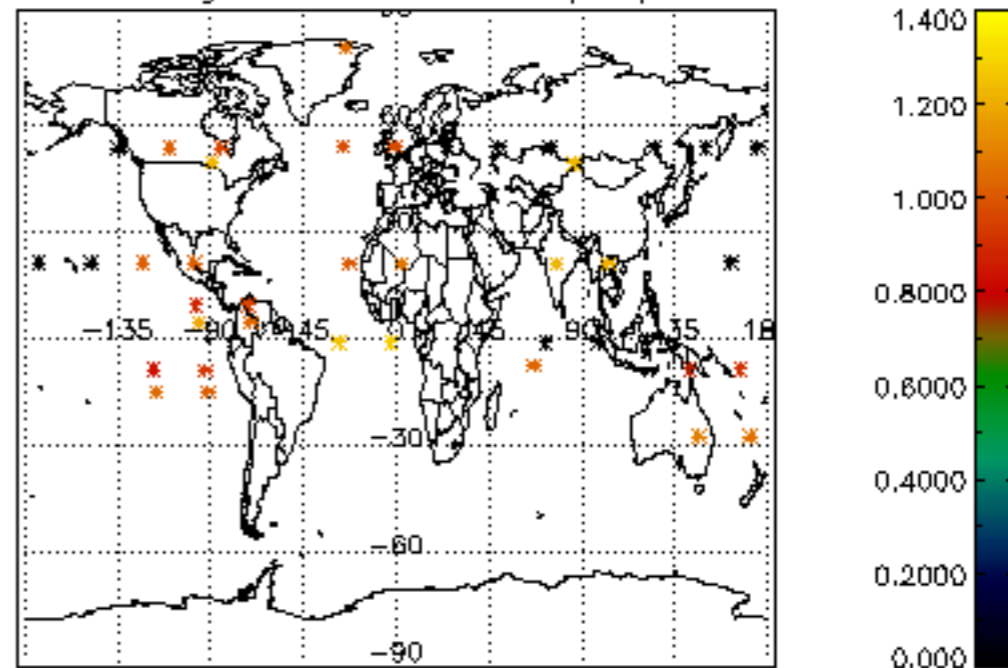




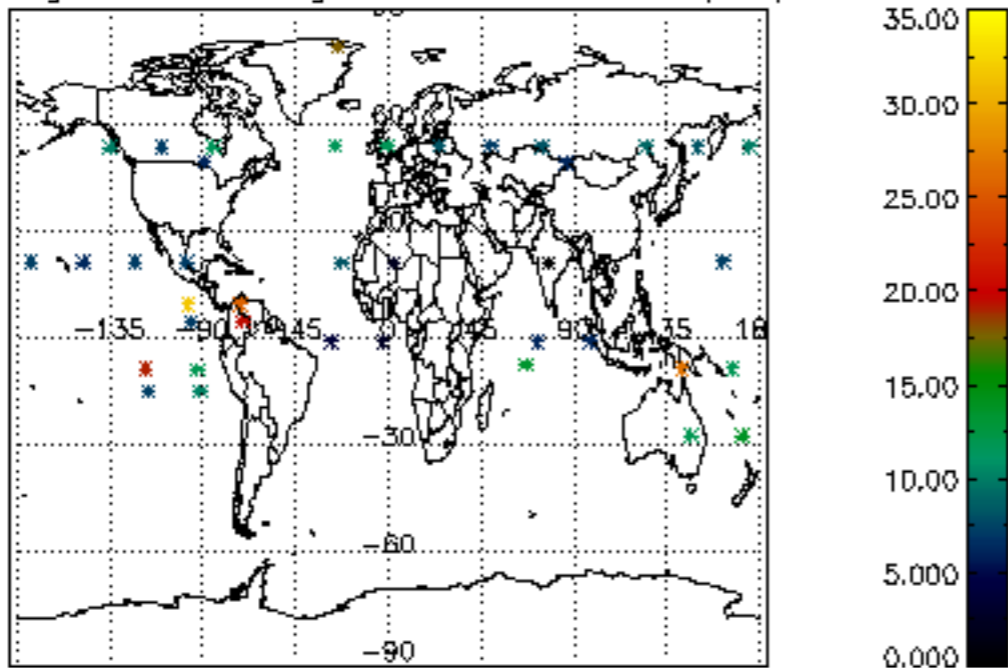
Percentage of cosmic ray hits per profile



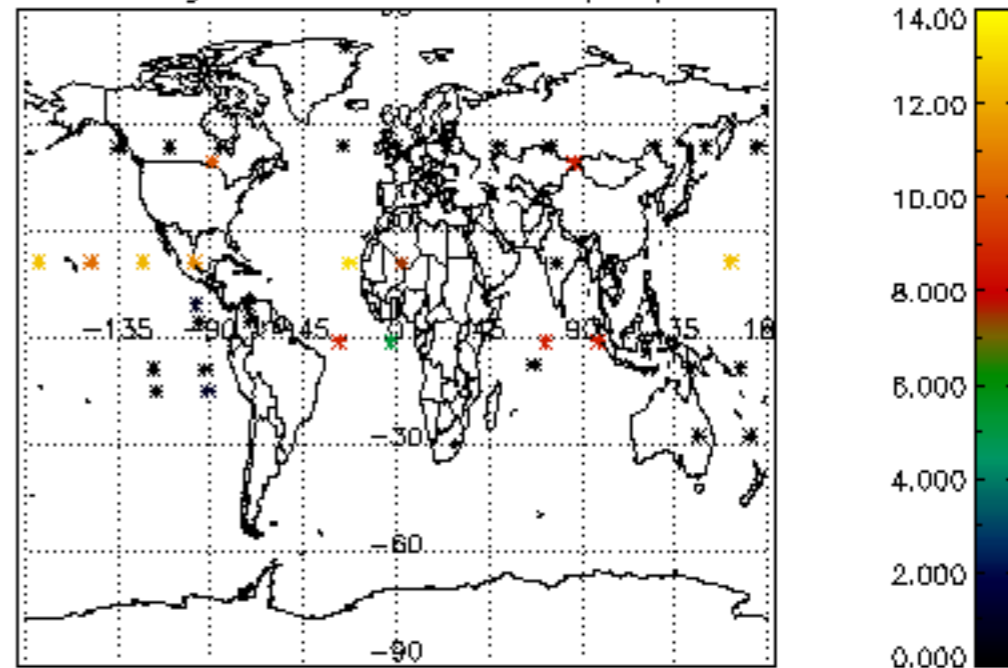
Percentage of datation errors per profile



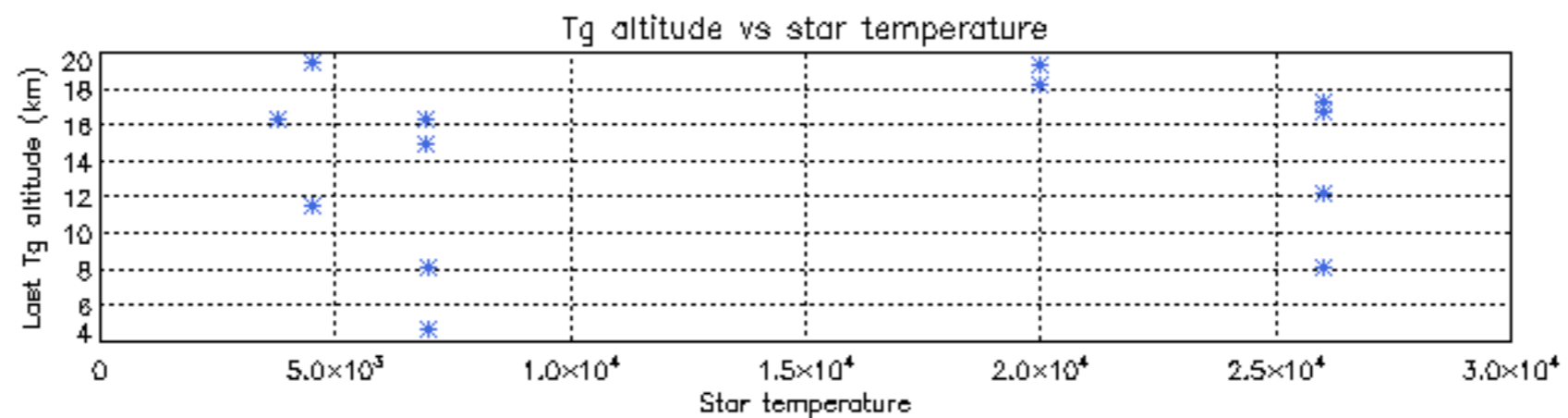
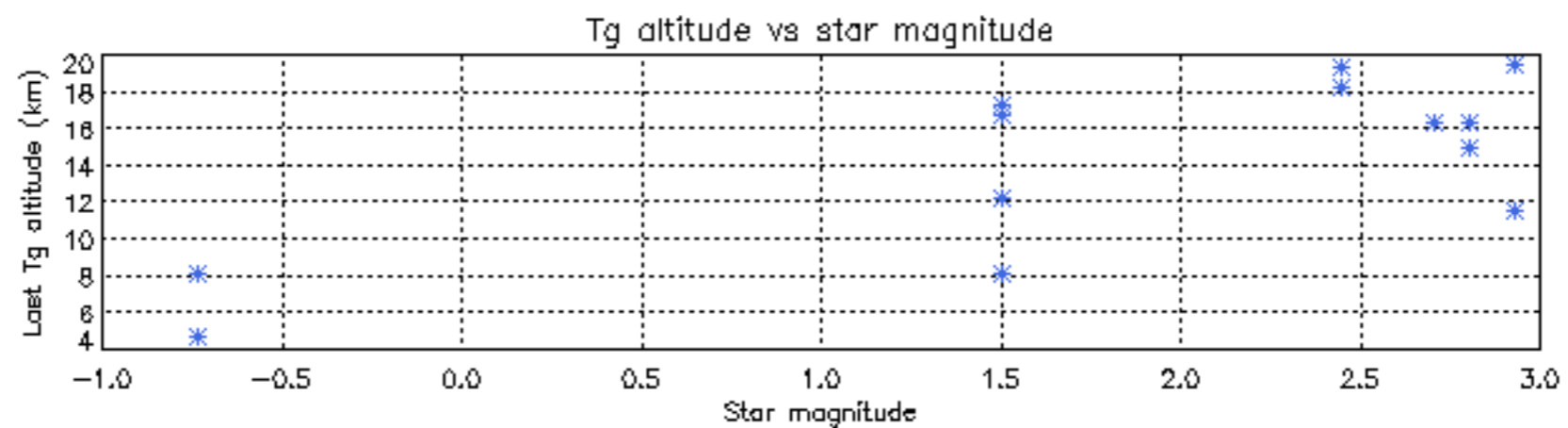
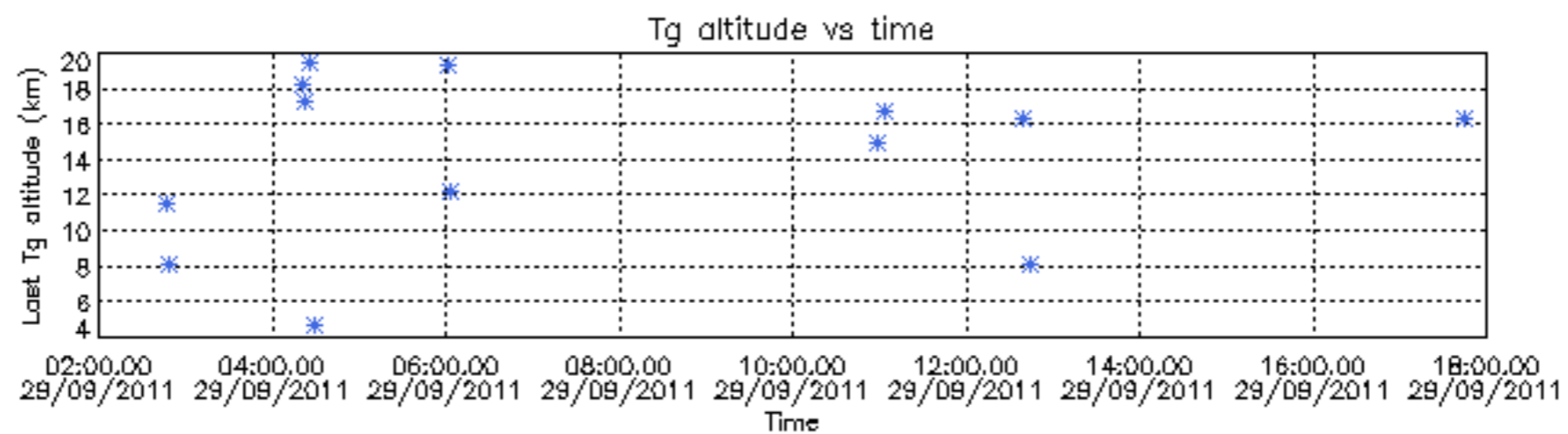
Percentage of star falling outside central band per profile



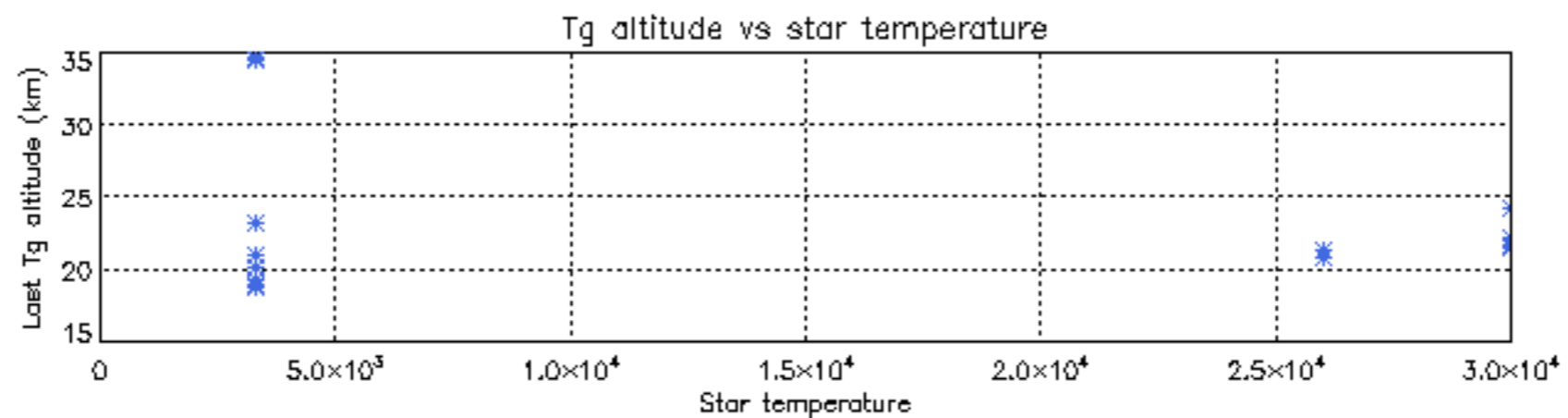
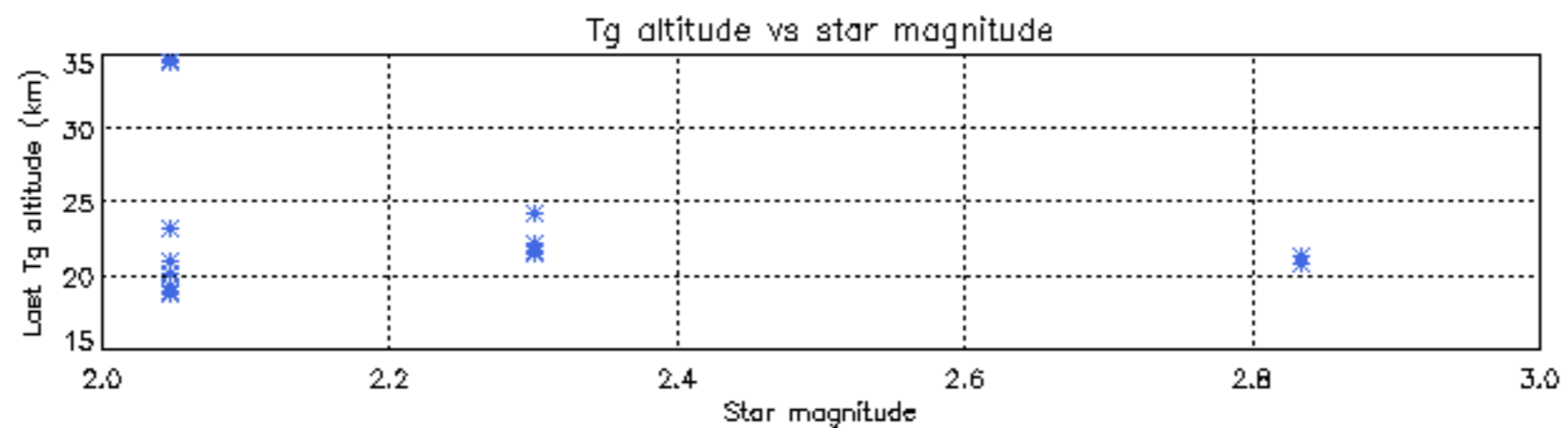
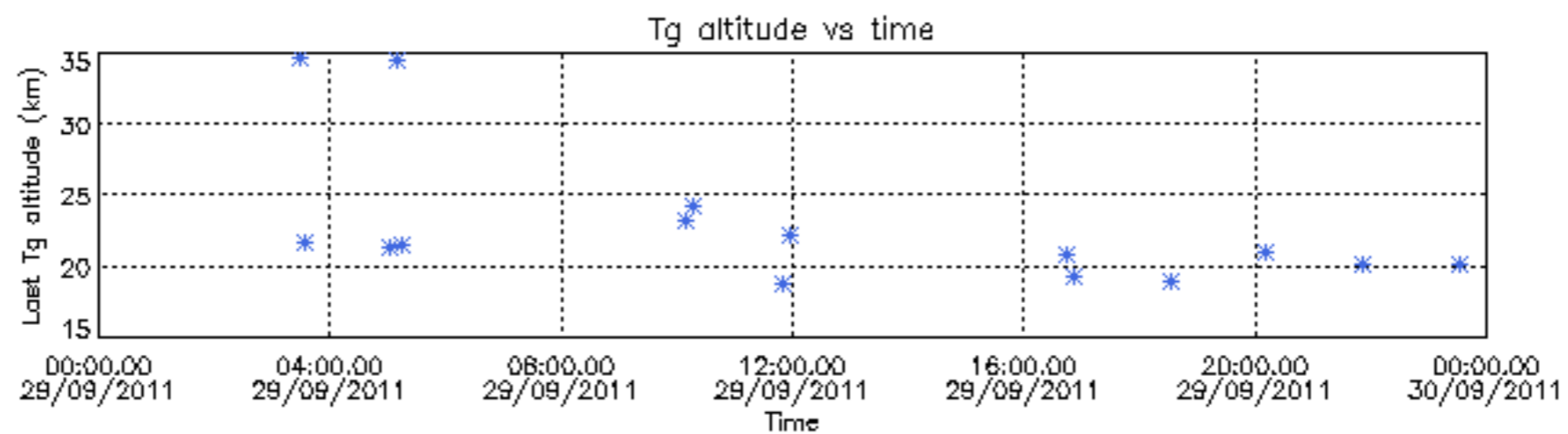
Percentage of saturation errors per profile

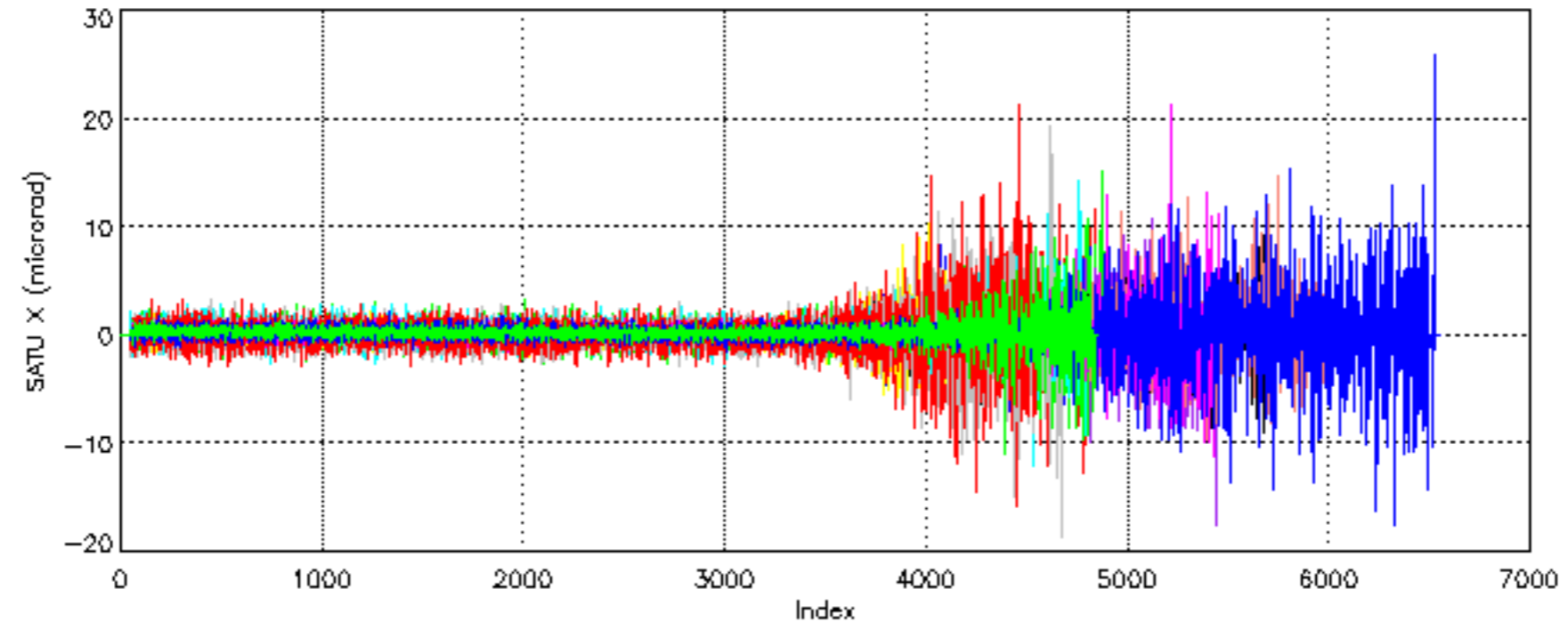


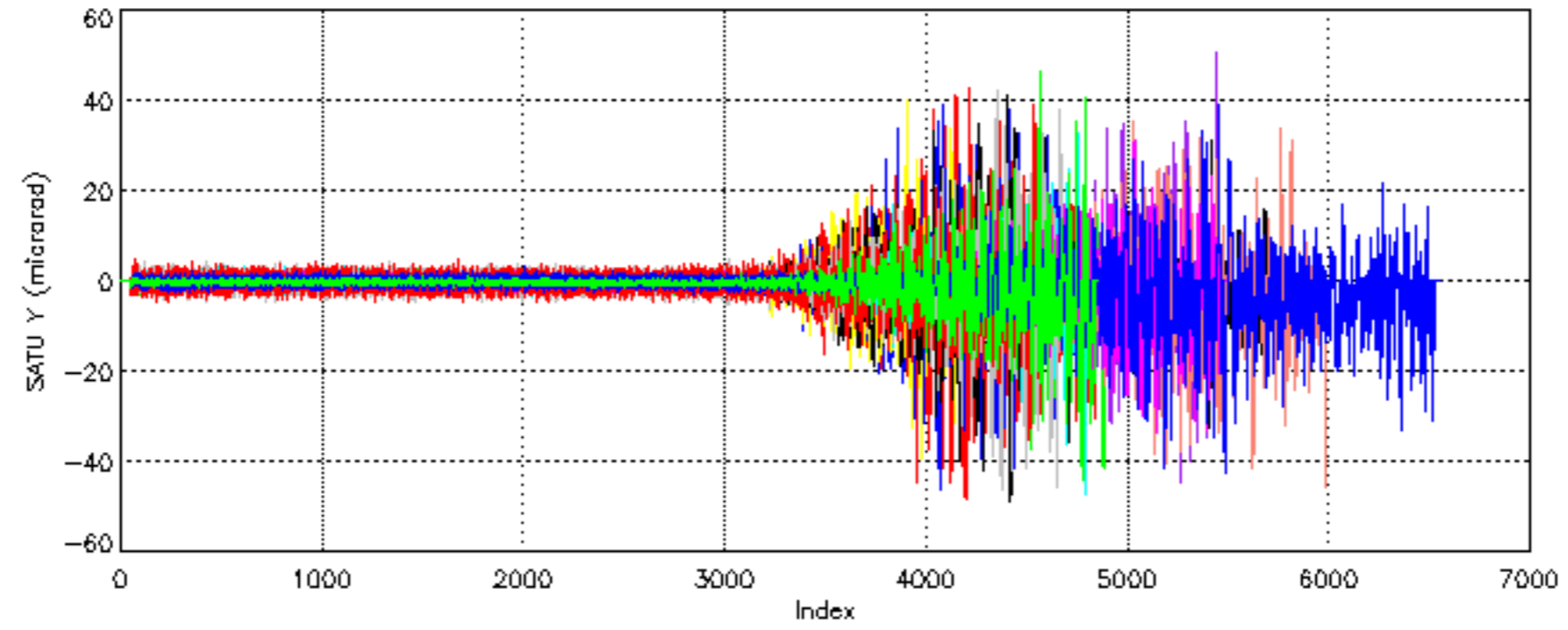
Tangent altitude at which the star is lost

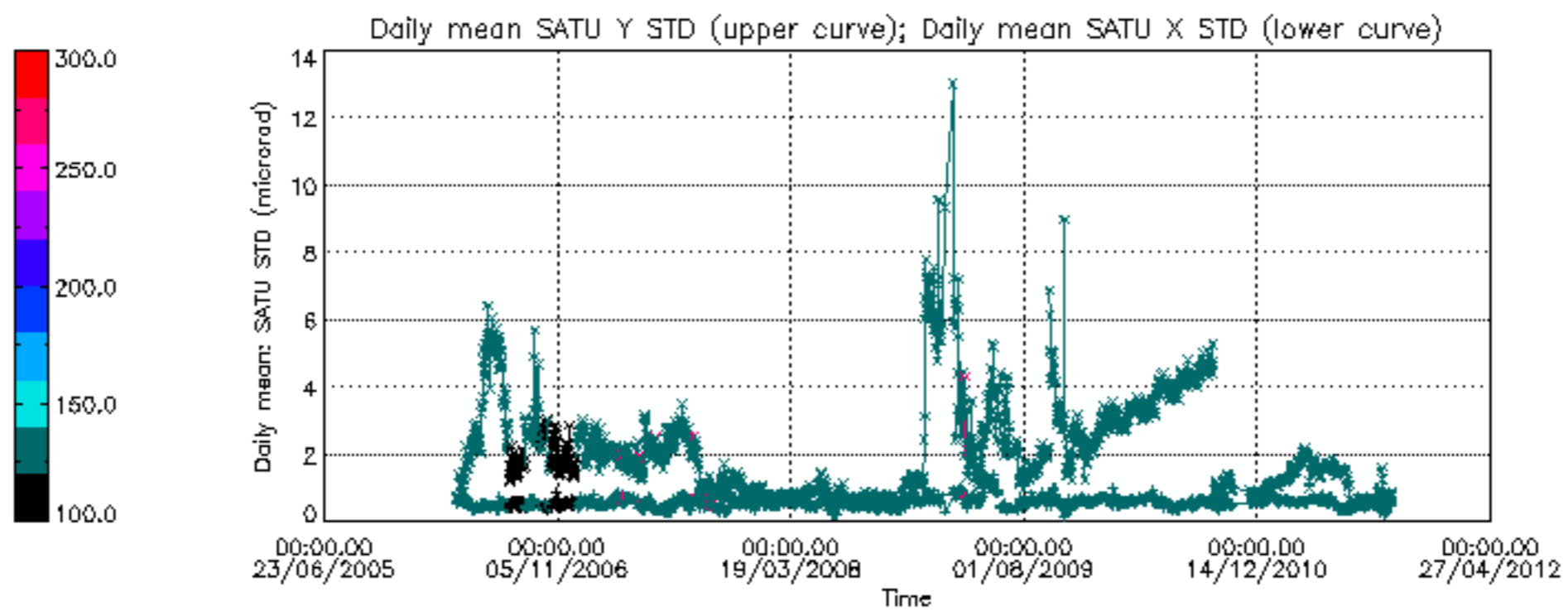


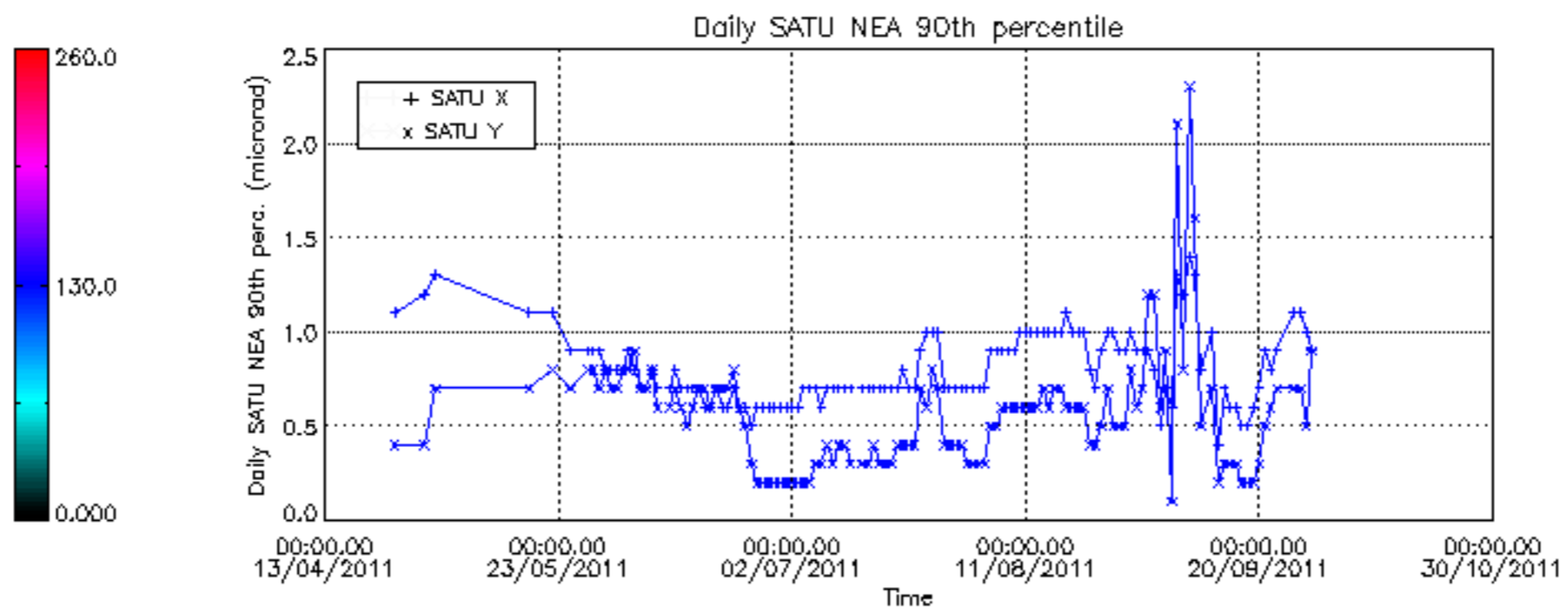
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110901_010959_000000513106_00117_49700_6411.N1
1; -1240.4; 01-SEP-2011 01:09:59; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;49700

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110901_014641_000071533106_00118_49701_6412.N1
1; 961.5; 01-SEP-2011 01:46:41; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49701
2; 2062.2; 01-SEP-2011 02:05:02; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49701
3; 4495.1; 01-SEP-2011 02:45:35; Bright; 36.5; 17; 78Bet Gem ; 1.16; 4500;occ; 73; 0;49701
4; 6976.1; 01-SEP-2011 03:26:56; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49702
5; 8076.1; 01-SEP-2011 03:45:16; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;49702

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110901_201520_000000463106_00129_49712_6413.N1
1; 1326.6; 01-SEP-2011 20:15:20; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;49712

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1; -648.5; 01-SEP-2011 21:22:39; Dark ; 53.0; 1; 9Alp CMA ; -1.44; 11000;occ; 106; 0;49712
2; -569.5; 01-SEP-2011 21:23:58; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;49712
3; 968.4; 01-SEP-2011 21:49:36; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;49713
4; 1326.8; 01-SEP-2011 21:55:34; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;49713
5; 1883.3; 01-SEP-2011 22:04:51; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49713

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2; 2061.8; 01-SEP-2011 23:48:03; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49714
3; 5366.7; 02-SEP-2011 00:43:08; Dark ; 30.0; 1; 9Alp CMA ; -1.44; 11000;occ; 60; 0;49714

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1; 610.0; 01-SEP-2011 13:22:27; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;49708
2; 965.6; 01-SEP-2011 13:28:23; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;49708

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2; 1883.3; 01-SEP-2011 15:23:55; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;49709
3; 2062.0; 01-SEP-2011 15:26:53; Bright; 39.5; 61; 8Eps Peg ; 2.10; 3900;occ; 79; 0;49709
4; 6980.6; 01-SEP-2011 16:48:52; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49710

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2; 2062.1; 01-SEP-2011 17:07:08; Bright; 37.5; 61; 8Eps Peg ; 2.10; 3900;occ; 75; 0;49710
3; 6981.3; 01-SEP-2011 18:29:07; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;49711

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2; 1883.3; 01-SEP-2011 18:44:23; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49711
3; 2062.0; 01-SEP-2011 18:47:22; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49711

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2; -567.9; 02-SEP-2011 00:44:27; Dark ; 48.5; 47; 2Bet CMA ; 1.98; 28000;occ; 97; 0;49714
3; 969.5; 02-SEP-2011 01:10:05; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49715
4; 2061.8; 02-SEP-2011 01:28:17; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;49715

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2; -566.9; 02-SEP-2011 02:24:42; Dark ; 52.5; 47; 2Bet CMA ; 1.98; 28000;occ; 105; 0;49715
3; 970.1; 02-SEP-2011 02:50:19; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49716
4; 1327.6; 02-SEP-2011 02:56:17; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;49716

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2; 970.5; 02-SEP-2011 04:30:34; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;49717
3; 1327.9; 02-SEP-2011 04:36:31; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;49717
4; 1883.2; 02-SEP-2011 04:45:46; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;49717
5; 2061.9; 02-SEP-2011 04:48:45; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;49717
6; 2472.7; 02-SEP-2011 04:55:36; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;49717

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1; -645.3; 02-SEP-2011 05:43:52; Dark ; 51.5; 1; 9Alp CMA ; -1.44; 11000;occ; 103; 0;49717
2; 1328.2; 02-SEP-2011 06:16:45; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;49718

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2; 1330.3; 02-SEP-2011 21:18:53; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;49727
3; 3100.4; 02-SEP-2011 21:48:23; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49727

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2; 976.7; 02-SEP-2011 22:53:14; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49728
3; 3099.9; 02-SEP-2011 23:28:37; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49728
4; 5376.0; 03-SEP-2011 00:06:33; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;49728

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2; -1112.2; 02-SEP-2011 07:16:19; Dark ; 40.0; 8; 10Alp CMI ; 0.40; 6500;occ; 80; 0;49718
3; -644.7; 02-SEP-2011 07:24:07; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;49718
4; -564.8; 02-SEP-2011 07:25:26; Dark ; 51.0; 47; 2Bet CMA ; 1.98; 28000;occ; 102; 0;49718
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2; 4781.3; 02-SEP-2011 08:54:33; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49719
3; 5370.0; 02-SEP-2011 09:04:21; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49719
4; 5450.0; 02-SEP-2011 09:05:41; Dark ; 50.0; 47; 2Bet CMA ; 1.98; 28000;occ; 100; 0;49719
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2; -563.1; 02-SEP-2011 10:45:56; Dark ; 47.5; 47; 2Bet CMA ; 1.98; 28000;occ; 95; 0;49720
3; 972.8; 02-SEP-2011 11:11:32; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;49721
4; 1329.0; 02-SEP-2011 11:17:28; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;49721
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2; 3104.0; 02-SEP-2011 11:47:03; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;49721
3; 4902.7; 02-SEP-2011 12:17:02; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;49721
4; 5451.6; 02-SEP-2011 12:26:11; Dark ; 51.0; 47; 2Bet CMA ; 1.98; 28000;occ; 102; 0;49721
5; 6987.3; 02-SEP-2011 12:51:46; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;49722
6; 7343.1; 02-SEP-2011 12:57:42; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;49722
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2; -561.5; 02-SEP-2011 14:06:25; Dark ; 51.5; 47; 2Bet CMA ; 1.98; 28000;occ; 103; 0;49722
3; 973.8; 02-SEP-2011 14:32:01; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;49723
4; 1329.5; 02-SEP-2011 14:37:56; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;49723
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2; -641.2; 02-SEP-2011 15:45:20; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;49723
3; -560.7; 02-SEP-2011 15:46:40; Dark ; 52.0; 47; 2Bet CMA ; 1.98; 28000;occ; 104; 0;49723
4; 974.4; 02-SEP-2011 16:12:15; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49724
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2; 3102.3; 02-SEP-2011 16:47:43; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49724
3; 5373.4; 02-SEP-2011 17:25:34; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;49724
4; 5454.3; 02-SEP-2011 17:26:55; Dark ; 51.5; 47; 2Bet CMA ; 1.98; 28000;occ; 103; 0;49724
5; 6989.0; 02-SEP-2011 17:52:30; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;49725
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2; 4781.3; 02-SEP-2011 08:54:33; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49719
3; 5370.0; 02-SEP-2011 09:04:21; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49719
4; 5450.0; 02-SEP-2011 09:05:41; Dark ; 50.0; 47; 2Bet CMA ; 1.98; 28000;occ; 100; 0;49719
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2; 1883.3; 02-SEP-2011 18:07:38; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49725
3; 3101.7; 02-SEP-2011 18:27:57; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;49725
4; 4784.1; 02-SEP-2011 18:55:59; Dark ; 53.5; 44; 24Gam Gem ; 1.93; 11000;occ; 107; 0;49725
5; 4904.1; 02-SEP-2011 18:57:59; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;49725
6; 5374.0; 02-SEP-2011 19:05:49; Dark ; 52.0; 1; 9Alp CMA ; -1.44; 11000;occ; 104; 0;49725
7; 5455.0; 02-SEP-2011 19:07:10; Dark ; 49.5; 47; 2Bet CMA ; 1.98; 28000;occ; 99; 0;49725
8; 6989.4; 02-SEP-2011 19:32:44; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49726
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2; 1330.1; 02-SEP-2011 19:38:39; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;49726
3; 3101.1; 02-SEP-2011 20:08:10; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;49726
4; 4784.4; 02-SEP-2011 20:36:13; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49726
5; 4904.4; 02-SEP-2011 20:38:13; Dark ; 45.0; 8; 10Alp CMI ; 0.40; 6500;occ; 90; 0;49726
6; 5374.7; 02-SEP-2011 20:46:04; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49726
7; 5535.7; 02-SEP-2011 20:48:45; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;49726
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2; 977.0; 03-SEP-2011 00:33:28; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49729
3; 1330.9; 03-SEP-2011 00:39:22; Dark ; 25.0; 18; 24Alp PsA ; 1.17; 9700;occ; 50; 0;49729
4; 3099.2; 03-SEP-2011 01:08:50; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49729
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2; -476.6; 03-SEP-2011 01:49:28; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;49729
3; 1331.1; 03-SEP-2011 02:19:36; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;49730

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2; -476.0; 03-SEP-2011 03:29:43; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;49730
3; 3098.3; 03-SEP-2011 04:29:17; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;49731
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2; -475.4; 03-SEP-2011 05:09:57; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;49731
3; 1331.9; 03-SEP-2011 05:40:05; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;49732
4; 1883.3; 03-SEP-2011 05:49:16; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49732
5; 3097.7; 03-SEP-2011 06:09:30; Bright; 31.0; 74; 11Bet Cas ; 2.27; 6600;occ; 62; 0;49732
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2; 1334.1; 03-SEP-2011 20:42:13; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;49741
3; 1883.5; 03-SEP-2011 20:51:22; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49741
4; 3092.2; 03-SEP-2011 21:11:31; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49741
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2; -469.6; 03-SEP-2011 21:52:23; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;49741
3; 984.2; 03-SEP-2011 22:16:37; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49742
4; 1334.4; 03-SEP-2011 22:22:27; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;49742
5; 1883.4; 03-SEP-2011 22:31:36; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49742
6; 3091.7; 03-SEP-2011 22:51:44; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49742
7; 4909.9; 03-SEP-2011 23:22:02; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;49742
8; 5385.8; 03-SEP-2011 23:29:58; Dark ; 1.0; 1; 9Alp CMA ; -1.44; 11000;occ; 2; 0;49742
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2; -469.0; 03-SEP-2011 23:32:37; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;49742
3; 1334.6; 04-SEP-2011 00:02:41; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;49743
4; 3091.0; 04-SEP-2011 00:31:57; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49743
5; 4910.2; 04-SEP-2011 01:02:16; Dark ; 43.5; 8; 10Alp CMi ; 0.40; 6500;occ; 87; 0;49743
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6; 4974.2; 14-SEP-2011 09:58:01; Dark ; 57.5; 8; 10Alp CMI ; 0.40; 6500;occ; 115; 0;49892
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4; 1058.4; 14-SEP-2011 22:14:37; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49900
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4; 3011.5; 14-SEP-2011 19:26:43; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49898
5; 3118.7; 14-SEP-2011 19:28:30; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49898
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5; 2512.4; 15-SEP-2011 20:21:53; Bright; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;49913
6; 3004.6; 15-SEP-2011 20:30:05; Bright; 60.0; 74; 11Bet Cas ; 2.27; 6600;occ; 120; 0;49913
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8; 4460.3; 15-SEP-2011 20:54:21; Bright; 45.0; 24; 66Alp Gem ; 1.58; 10200;occ; 90; 0;49913
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3; 2395.0; 15-SEP-2011 16:59:28; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;49911
4; 2513.7; 15-SEP-2011 17:01:26; Bright; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;49911
5; 3005.6; 15-SEP-2011 17:09:38; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49911

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7; 3102.8; 16-SEP-2011 19:54:59; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49927
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9; 2997.1; 17-SEP-2011 02:34:09; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;49931
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7; 3094.7; 17-SEP-2011 20:58:20; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;49942

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4; 2385.6; 18-SEP-2011 20:09:47; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49956
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5; 2487.2; 18-SEP-2011 18:31:14; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;49955
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5; 1524.4; 19-SEP-2011 02:36:21; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;49960
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2; 2481.2; 19-SEP-2011 12:53:42; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49966
3; 2983.2; 19-SEP-2011 13:02:04; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49966
4; 3082.3; 19-SEP-2011 13:03:43; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49966
5; 4467.3; 19-SEP-2011 13:26:48; Bright; 45.0; 24; 66Alp Gem ; 1.58; 10200;occ; 90; 0;49966
6; 5016.4; 19-SEP-2011 13:35:57; Dark ; 59.0; 8; 10Alp CMI ; 0.40; 6500;occ; 118; 0;49966
7; 5598.8; 19-SEP-2011 13:45:39; Dark ; 61.0; 1; 9Alp CMA ; -1.44; 11000;occ; 122; 0;49966
8; 5714.9; 19-SEP-2011 13:47:35; Dark ; 57.0; 23; 21Eps CMA ; 1.50; 26000;occ; 114; 0;49966
9; 5948.3; 19-SEP-2011 13:51:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49966
10; 7098.2; 19-SEP-2011 14:10:39; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;49967
11; 7539.6; 19-SEP-2011 14:18:00; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;49967
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2; 2384.0; 19-SEP-2011 14:32:18; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;49967
3; 2480.8; 19-SEP-2011 14:33:55; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49967
4; 2982.8; 19-SEP-2011 14:42:17; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49967
5; 3081.9; 19-SEP-2011 14:43:56; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49967
6; 4467.5; 19-SEP-2011 15:07:02; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;49967
7; 5017.1; 19-SEP-2011 15:16:11; Dark ; 54.5; 8; 10Alp CMI ; 0.40; 6500;occ; 109; 0;49967
8; 5600.1; 19-SEP-2011 15:25:54; Dark ; 61.0; 1; 9Alp CMA ; -1.44; 11000;occ; 122; 0;49967
9; 5716.0; 19-SEP-2011 15:27:50; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;49967
10; 5949.4; 19-SEP-2011 15:31:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49967
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3; 2383.5; 19-SEP-2011 16:12:32; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;49968
4; 2480.1; 19-SEP-2011 16:14:08; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49968
5; 2982.5; 19-SEP-2011 16:22:31; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49968
6; 3081.3; 19-SEP-2011 16:24:10; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49968
7; 4467.7; 19-SEP-2011 16:47:16; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;49968
8; 5017.6; 19-SEP-2011 16:56:26; Dark ; 58.0; 8; 10Alp CMI ; 0.40; 6500;occ; 116; 0;49968
9; 5601.3; 19-SEP-2011 17:06:10; Dark ; 55.0; 1; 9Alp CMA ; -1.44; 11000;occ; 110; 0;49968
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11; 5950.5; 19-SEP-2011 17:11:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49968
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3; 2157.3; 19-SEP-2011 17:49:00; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49969
4; 2383.4; 19-SEP-2011 17:52:46; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;49969
5; 2479.6; 19-SEP-2011 17:54:22; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;49969
6; 2982.0; 19-SEP-2011 18:02:44; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49969
7; 3080.8; 19-SEP-2011 18:04:23; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49969
8; 4467.7; 19-SEP-2011 18:27:30; Bright; 47.5; 24; 66Alp Gem ; 1.58; 10200;occ; 95; 0;49969
9; 5018.2; 19-SEP-2011 18:36:41; Dark ; 59.5; 8; 10Alp CMI ; 0.40; 6500;occ; 119; 0;49969
10; 5602.6; 19-SEP-2011 18:46:25; Dark ; 55.0; 1; 9Alp CMA ; -1.44; 11000;occ; 110; 0;49969
11; 5717.8; 19-SEP-2011 18:48:20; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;49969
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3; 1526.2; 19-SEP-2011 22:39:11; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;49972
4; 2156.9; 19-SEP-2011 22:49:41; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49972
5; 2382.9; 19-SEP-2011 22:53:27; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;49972
6; 2478.0; 19-SEP-2011 22:55:02; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49972
7; 2980.8; 19-SEP-2011 23:03:25; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49972
8; 3079.2; 19-SEP-2011 23:05:03; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49972
9; 4468.0; 19-SEP-2011 23:28:12; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;49972
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6; 2382.7; 20-SEP-2011 00:33:41; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;49973
7; 2477.4; 20-SEP-2011 00:35:16; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49973
8; 2980.4; 20-SEP-2011 00:43:39; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;49973
9; 3078.7; 20-SEP-2011 00:45:17; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49973
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4; 1086.6; 20-SEP-2011 01:52:19; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;49974
5; 1526.6; 20-SEP-2011 01:59:39; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;49974
6; 2382.6; 20-SEP-2011 02:13:55; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49974
7; 2476.9; 20-SEP-2011 02:15:29; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49974
8; 2980.0; 20-SEP-2011 02:23:52; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;49974
9; 3078.2; 20-SEP-2011 02:25:30; Bright; 38.5; 76; 27Gam Cas ; 2.30; 30000;occ; 77; 0;49974
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11; 5021.4; 20-SEP-2011 02:57:53; Dark ; 63.5; 8; 10Alp CMi ; 0.40; 6500;occ; 127; 0;49974
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13; 5722.6; 20-SEP-2011 03:09:35; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;49974
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21; 9091.7; 20-SEP-2011 04:05:44; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;49975
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6; 65.5; 20-SEP-2011 04:55:46; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 0;49976
7; 1087.5; 20-SEP-2011 05:12:48; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49976
8; 1526.8; 20-SEP-2011 05:20:07; Dark ; 53.0; 52; 16Bet Cet ; 2.04; 4500;occ; 106; 0;49976
9; 2382.4; 20-SEP-2011 05:34:22; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49976
10; 2475.9; 20-SEP-2011 05:35:56; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49976
11; 2979.4; 20-SEP-2011 05:44:19; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49976
12; 3077.3; 20-SEP-2011 05:45:57; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;49976
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2; -991.4; 20-SEP-2011 06:18:23; Dark ; 62.0; 8; 10Alp CMi ; 0.40; 6500;occ; 124; 0;49976
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4; -289.4; 20-SEP-2011 06:30:05; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;49976
5; -55.5; 20-SEP-2011 06:33:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49976
6; 66.2; 20-SEP-2011 06:36:00; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;49977
7; 1087.9; 20-SEP-2011 06:53:02; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;49977
8; 1527.1; 20-SEP-2011 07:00:21; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49977
9; 2156.9; 20-SEP-2011 07:10:51; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49977
10; 2382.2; 20-SEP-2011 07:14:36; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49977
11; 2475.5; 20-SEP-2011 07:16:10; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49977
12; 2979.0; 20-SEP-2011 07:24:33; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49977
13; 3076.8; 20-SEP-2011 07:26:11; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49977
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3; -8.9; 20-SEP-2011 23:17:05; Dark ; 43.5; 161; Tau Pup ; 2.93; 4500;occ; 87; 0;49986
4; 110.8; 20-SEP-2011 23:19:04; Dark ; 54.0; 108; Alp Col ; 2.65; 15200;occ; 108; 0;49987
5; 1091.3; 20-SEP-2011 23:35:25; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49987
6; 1528.5; 20-SEP-2011 23:42:42; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;49987
7; 2380.7; 20-SEP-2011 23:56:54; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49987

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9; 2975.1; 21-SEP-2011 00:06:49; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49987
10; 3071.9; 21-SEP-2011 00:08:26; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;49987
11; 4469.9; 21-SEP-2011 00:31:44; Bright; 47.0; 24; 66Alp Gem ; 1.58; 10200;occ; 94; 0;49987
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Problem occurred when reading packet number 92!
Invalid integration number = 14!
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5; -54.4; 20-SEP-2011 08:14:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 2;49977
6; 66.9; 20-SEP-2011 08:16:15; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 5;49978
7; 1088.2; 20-SEP-2011 08:33:16; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 1;49978
8; 1527.1; 20-SEP-2011 08:40:35; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;49978
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3; 2472.9; 20-SEP-2011 15:37:17; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;49982
4; 2977.0; 20-SEP-2011 15:45:41; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49982
5; 3074.4; 20-SEP-2011 15:47:18; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;49982
6; 4469.5; 20-SEP-2011 16:10:33; Bright; 68.0; 24; 66Alp Gem ; 1.58; 10200;occ; 136; 0;49982
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8; 5661.9; 20-SEP-2011 16:30:26; Dark ; 48.0; 37; 25Del CMA ; 1.83; 5900;occ; 96; 0;49982
9; 5776.4; 20-SEP-2011 16:32:20; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;49982
10; 6002.5; 20-SEP-2011 16:36:06; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;49982
11; 6119.5; 20-SEP-2011 16:38:03; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;49983
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3; 2472.4; 20-SEP-2011 17:17:30; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49983
4; 2976.6; 20-SEP-2011 17:25:54; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49983
5; 3073.8; 20-SEP-2011 17:27:32; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49983
6; 4469.6; 20-SEP-2011 17:50:47; Bright; 47.5; 24; 66Alp Gem ; 1.58; 10200;occ; 95; 0;49983
7; 5027.4; 20-SEP-2011 18:00:05; Dark ; 64.5; 8; 10Alp CMI ; 0.40; 6500;occ; 129; 0;49983
8; 5662.9; 20-SEP-2011 18:10:41; Dark ; 55.0; 37; 25Del CMA ; 1.83; 5900;occ; 110; 0;49983
9; 5777.2; 20-SEP-2011 18:12:35; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;49983
10; 6003.2; 20-SEP-2011 18:16:21; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;49983
11; 6120.9; 20-SEP-2011 18:18:19; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;49984
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3; 112.3; 21-SEP-2011 00:59:20; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;49988
4; 1091.7; 21-SEP-2011 01:15:39; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49988
5; 1528.6; 21-SEP-2011 01:22:56; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;49988
6; 2380.5; 21-SEP-2011 01:37:08; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49988
7; 2469.8; 21-SEP-2011 01:38:37; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49988
8; 2974.8; 21-SEP-2011 01:47:02; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;49988
9; 3071.4; 21-SEP-2011 01:48:39; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49988
10; 4470.2; 21-SEP-2011 02:11:58; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;49988
11; 5030.7; 21-SEP-2011 02:21:18; Dark ; 63.0; 8; 10Alp CMI ; 0.40; 6500;occ; 126; 0;49988
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2; -346.5; 21-SEP-2011 02:31:55; Dark ; 51.5; 37; 25Del CMA ; 1.83; 5900;occ; 103; 0;49988
3; -233.1; 21-SEP-2011 02:33:48; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;49988
4; -7.7; 21-SEP-2011 02:37:34; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;49988
5; 113.7; 21-SEP-2011 02:39:35; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;49989
6; 1092.0; 21-SEP-2011 02:55:53; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49989
7; 1528.7; 21-SEP-2011 03:03:10; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;49989
8; 2155.9; 21-SEP-2011 03:13:37; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49989
9; 2380.5; 21-SEP-2011 03:17:22; Bright; 55.0; 93; 53Bet Peg ; 2.52; 3100;occ; 110; 0;49989
10; 2469.4; 21-SEP-2011 03:18:51; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;49989
11; 2974.4; 21-SEP-2011 03:27:16; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49989
12; 3070.8; 21-SEP-2011 03:28:52; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;49989
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4; -232.4; 21-SEP-2011 04:14:03; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;49989
5; -7.0; 21-SEP-2011 04:17:48; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;49989
6; 115.0; 21-SEP-2011 04:19:50; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;49990
7; 1092.4; 21-SEP-2011 04:36:08; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49990
8; 1528.9; 21-SEP-2011 04:43:24; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49990
9; 2155.8; 21-SEP-2011 04:53:51; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;49990
10; 2380.3; 21-SEP-2011 04:57:36; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49990
11; 2468.9; 21-SEP-2011 04:59:04; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;49990
12; 2974.0; 21-SEP-2011 05:07:29; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49990
13; 3070.5; 21-SEP-2011 05:09:06; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49990
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2; 1530.2; 21-SEP-2011 21:25:45; Dark ; 52.5; 52; 16Bet Cet ; 2.04; 4500;occ; 105; 0;50000
3; 2155.1; 21-SEP-2011 21:36:10; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;50000
4; 2379.0; 21-SEP-2011 21:39:54; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;50000
5; 2463.9; 21-SEP-2011 21:41:19; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;50000
6; 2970.4; 21-SEP-2011 21:49:46; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;50000
7; 3065.4; 21-SEP-2011 21:51:21; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50000
8; 4471.6; 21-SEP-2011 22:14:47; Bright; 48.5; 24; 66Alp Gem ; 1.58; 10200;occ; 97; 0;50000
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3; 1530.6; 22-SEP-2011 00:46:14; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;50002
4; 2154.8; 22-SEP-2011 00:56:38; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;50002
5; 2378.7; 22-SEP-2011 01:00:22; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;50002
6; 2462.9; 22-SEP-2011 01:01:46; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;50002
7; 2969.7; 22-SEP-2011 01:10:13; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50002
8; 3064.5; 22-SEP-2011 01:11:47; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50002
9; 4471.9; 22-SEP-2011 01:35:15; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;50002
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3; 1.5; 22-SEP-2011 02:00:58; Dark ; 49.0; 161; Tau Pup ; 2.93; 4500;occ; 98; 0;50002
4; 132.9; 22-SEP-2011 02:03:10; Dark ; 43.0; 108; Alp Col ; 2.65; 15200;occ; 86; 0;50003
5; 1096.8; 22-SEP-2011 02:19:14; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;50003
6; 1530.8; 22-SEP-2011 02:26:28; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;50003
7; 2378.6; 22-SEP-2011 02:40:35; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;50003
8; 2462.5; 22-SEP-2011 02:41:59; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;50003
9; 2969.4; 22-SEP-2011 02:50:26; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;50003
10; 3063.9; 22-SEP-2011 02:52:01; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50003
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3; -331.9; 22-SEP-2011 03:35:39; Dark ; 55.5; 37; 25Del CMA ; 1.83; 5900;occ; 111; 0;50003
4; -221.6; 22-SEP-2011 03:37:29; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;50003
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2; 2456.8; 23-SEP-2011 00:24:55; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;50016
3; 3057.7; 23-SEP-2011 00:34:56; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;50016
4; 4473.8; 23-SEP-2011 00:58:32; Bright; 50.0; 24; 66Alp Gem ; 1.58; 10200;occ; 100; 0;50016
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2; 3033.2; 26-SEP-2011 20:27:20; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;50071
3; 4565.0; 26-SEP-2011 20:52:52; Bright; 26.5; 17; 78Bet Gem ; 1.16; 4500;occ; 53; 0;50071
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2; 3035.1; 26-SEP-2011 13:46:26; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50067
3; 4564.2; 26-SEP-2011 14:11:55; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;50067
4; 5727.2; 26-SEP-2011 14:31:18; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50067
5; 5821.1; 26-SEP-2011 14:32:52; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;50067
6; 6883.3; 26-SEP-2011 14:50:34; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50068
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3; 4564.4; 26-SEP-2011 15:52:09; Bright; 35.0; 17; 78Bet Gem ; 1.16; 4500;occ; 70; 0;50068
4; 5728.3; 26-SEP-2011 16:11:33; Dark ; 49.5; 88; 31Eta CMA ; 2.45; 20000;occ; 99; 0;50068
5; 5822.4; 26-SEP-2011 16:13:07; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;50068
6; 6884.2; 26-SEP-2011 16:30:49; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;50069
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2; 3034.1; 26-SEP-2011 17:06:53; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50069
3; 4564.8; 26-SEP-2011 17:32:23; Bright; 35.0; 17; 78Bet Gem ; 1.16; 4500;occ; 70; 0;50069
4; 5729.2; 26-SEP-2011 17:51:48; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50069
5; 5823.5; 26-SEP-2011 17:53:22; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;50069
6; 6885.0; 26-SEP-2011 18:11:04; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50070
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3; -283.9; 26-SEP-2011 19:32:03; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50070
4; -189.4; 26-SEP-2011 19:33:37; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50070
5; 871.7; 26-SEP-2011 19:51:18; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50071
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3; 3029.6; 27-SEP-2011 11:29:22; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50080
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5; 5739.9; 27-SEP-2011 12:14:32; Dark ; 50.0; 88; 31Eta CMA ; 2.45; 20000;occ; 100; 0;50080
6; 5836.1; 27-SEP-2011 12:16:08; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;50080
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8; 6069.1; 27-SEP-2011 12:20:01; Dark ; 43.0; 161; Tau Pup ; 2.93; 4500;occ; 86; 0;50081
9; 6152.7; 27-SEP-2011 12:21:25; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;50081
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4; 5533.4; 27-SEP-2011 13:51:20; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;50081
5; 5740.9; 27-SEP-2011 13:54:47; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50081
6; 5837.4; 27-SEP-2011 13:56:24; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;50081
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1; 2180.1; 27-SEP-2011 14:35:40; Bright; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;50082
2; 2944.3; 27-SEP-2011 14:48:24; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;50082
3; 3028.8; 27-SEP-2011 14:49:49; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50082
4; 5534.2; 27-SEP-2011 15:31:34; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;50082

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5; 6154.3; 27-SEP-2011 15:41:54; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;50083
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 2; 3028.4; 27-SEP-2011 16:30:02; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50083
 3; 5743.0; 27-SEP-2011 17:15:17; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50083
 4; 5839.9; 27-SEP-2011 17:16:54; Dark ; 65.5; 23; 21Eps CMA ; 1.50; 26000;occ; 131; 0;50083
 5; 6895.9; 27-SEP-2011 17:34:30; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;50084
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 2; 3027.9; 27-SEP-2011 18:10:16; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50084
 3; 5743.9; 27-SEP-2011 18:55:32; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;50084
 4; 6896.6; 27-SEP-2011 19:14:45; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;50085
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 2; 3027.3; 27-SEP-2011 19:50:29; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50085
 3; 5744.9; 27-SEP-2011 20:35:47; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50085
 4; 5842.1; 27-SEP-2011 20:37:24; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;50085
 5; 6897.5; 27-SEP-2011 20:55:00; Dark ; 23.5; 157; The1Eri ; 2.91; 9300;occ; 47; 0;50086
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 2; 3025.4; 28-SEP-2011 04:11:37; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50090
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 2; -165.8; 28-SEP-2011 04:58:40; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;50090
 3; 887.1; 28-SEP-2011 05:16:13; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50091
 4; 3024.9; 28-SEP-2011 05:51:51; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50091
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 2; 2939.2; 28-SEP-2011 20:52:31; Bright; 2.0; 74; 11Bet Cas ; 2.27; 6600;occ; 4; 0;50100
 3; 3021.2; 28-SEP-2011 20:53:53; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50100
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 2; -153.6; 28-SEP-2011 21:41:12; Dark ; 60.0; 23; 21Eps CMA ; 1.50; 26000;occ; 120; 0;50100
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 2; -164.5; 28-SEP-2011 06:38:55; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;50091
 3; 887.8; 28-SEP-2011 06:56:28; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;50092
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 2; 3024.6; 28-SEP-2011 07:32:04; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;50092
 3; 5751.8; 28-SEP-2011 08:17:32; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50092
 4; 5850.6; 28-SEP-2011 08:19:11; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;50092
 5; 6902.7; 28-SEP-2011 08:36:43; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;50093
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 2; -261.0; 28-SEP-2011 09:57:47; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50093
 3; -162.1; 28-SEP-2011 09:59:26; Dark ; 61.0; 23; 21Eps CMA ; 1.50; 26000;occ; 122; 0;50093
 4; 889.5; 28-SEP-2011 10:16:57; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50094
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 2; 3023.7; 28-SEP-2011 10:52:31; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50094
 3; 5754.0; 28-SEP-2011 11:38:02; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50094
 4; 5853.1; 28-SEP-2011 11:39:41; Dark ; 57.0; 23; 21Eps CMA ; 1.50; 26000;occ; 114; 0;50094
 5; 6904.2; 28-SEP-2011 11:57:12; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50095
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 2; -258.9; 28-SEP-2011 13:18:17; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50095
 3; -159.6; 28-SEP-2011 13:19:56; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;50095
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 2; -257.9; 28-SEP-2011 14:58:32; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;50096
 3; -158.6; 28-SEP-2011 15:00:11; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50096
 4; 891.7; 28-SEP-2011 15:17:41; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;50097
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 1; 1544.0; 28-SEP-2011 15:28:34; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;50097
 2; 2176.3; 28-SEP-2011 15:39:06; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;50097
 3; 2426.2; 28-SEP-2011 15:43:16; Bright; 41.5; 58; 21Alp And ; 2.07; 11000;occ; 83; 0;50097

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4; 3022.5; 28-SEP-2011 15:53:12; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50097
5; 5757.1; 28-SEP-2011 16:38:47; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50097
6; 5856.7; 28-SEP-2011 16:40:26; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;50097
7; 6906.4; 28-SEP-2011 16:57:56; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50098
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2; -256.0; 28-SEP-2011 18:19:02; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50098
3; -156.2; 28-SEP-2011 18:20:41; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;50098
4; 68.2; 28-SEP-2011 18:24:26; Dark ; 45.0; 161; Tau Pup ; 2.93; 4500;occ; 90; 0;50099
5; 152.0; 28-SEP-2011 18:25:50; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;50099
6; 893.2; 28-SEP-2011 18:38:11; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50099
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2; -254.9; 28-SEP-2011 19:59:17; Dark ; 52.0; 88; 31Eta CMA ; 2.45; 20000;occ; 104; 0;50099
3; -154.9; 28-SEP-2011 20:00:57; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;50099
4; 68.9; 28-SEP-2011 20:04:40; Dark ; 50.5; 161; Tau Pup ; 2.93; 4500;occ; 101; 0;50100
5; 152.6; 28-SEP-2011 20:06:04; Dark ; 59.0; 2; Alp Car ; -0.74; 7000;occ; 118; 0;50100
6; 894.0; 28-SEP-2011 20:18:26; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50100
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2; 155.6; 29-SEP-2011 02:47:03; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;50104
3; 897.0; 29-SEP-2011 02:59:24; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;50104
4; 2652.5; 29-SEP-2011 03:28:40; Bright; 41.0; 53; 43Bet And ; 2.05; 3300;occ; 82; 0;50104
5; 3019.6; 29-SEP-2011 03:34:47; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50104
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2; -147.5; 29-SEP-2011 06:02:28; Dark ; 60.0; 23; 21Eps CMA ; 1.50; 26000;occ; 120; 0;50105
3; 898.5; 29-SEP-2011 06:19:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50106
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1; 905.1; 29-SEP-2011 21:22:06; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;50115
2; 2644.9; 29-SEP-2011 21:51:06; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;50115
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2; 2644.1; 29-SEP-2011 23:31:19; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;50116
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2; 2643.5; 30-SEP-2011 01:11:32; Bright; 49.0; 53; 43Bet And ; 2.05; 3300;occ; 98; 0;50117
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2; 2642.8; 30-SEP-2011 02:51:45; Bright; 48.5; 53; 43Bet And ; 2.05; 3300;occ; 97; 0;50118
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2; 2642.2; 30-SEP-2011 04:31:59; Bright; 49.0; 53; 43Bet And ; 2.05; 3300;occ; 98; 0;50119
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2; 2641.6; 30-SEP-2011 06:12:12; Bright; 45.5; 53; 43Bet And ; 2.05; 3300;occ; 91; 0;50120
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1; -869.9; 30-SEP-2011 11:54:37; Dark ; 52.5; 8; 10Alp CMI ; 0.40; 6500;occ; 105; 0;50123

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