

GOMOS Daily Report 28-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 07:01:36
Data source version	GOMOS/6.01
Start time of products	28SEP2011 03:35:58
Stop time of products	28SEP2011 21:41:12
Store outputs in DB	Yes
Nb of level 1b prods	54
Nb of prods with errors	0

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

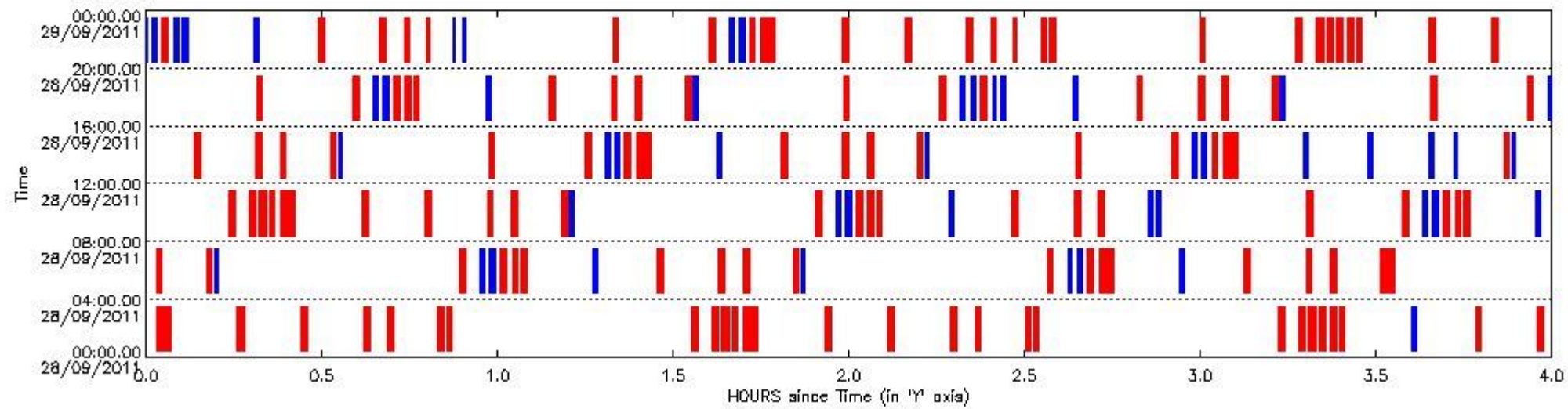
2.1 Level 0 products arrived in PCF (see template [here](#))

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
28-SEP-2011 00:01:46	TauPup	161	50088
28-SEP-2011 00:03:10	AlpCar	2	50088
28-SEP-2011 00:15:31	The1Eri	157	50088
28-SEP-2011 00:26:29	16BetCet	52	50088
28-SEP-2011 00:37:05	88GamPeg	140	50088
28-SEP-2011 00:41:15	21AlpAnd	58	50088
28-SEP-2011 00:49:49	11BetCas	74	50088
28-SEP-2011 00:51:12	27GamCas	76	50088
28-SEP-2011 01:33:05	15RhoPup	132	50088
28-SEP-2011 01:36:34	31EtaCMa	88	50088
28-SEP-2011 01:38:12	21EpsCMa	23	50088
28-SEP-2011 01:39:59	DSA1055	0	50088
28-SEP-2011 01:42:01	TauPup	161	50089
28-SEP-2011 01:43:25	AlpCar	2	50089
28-SEP-2011 01:55:46	The1Eri	157	50089

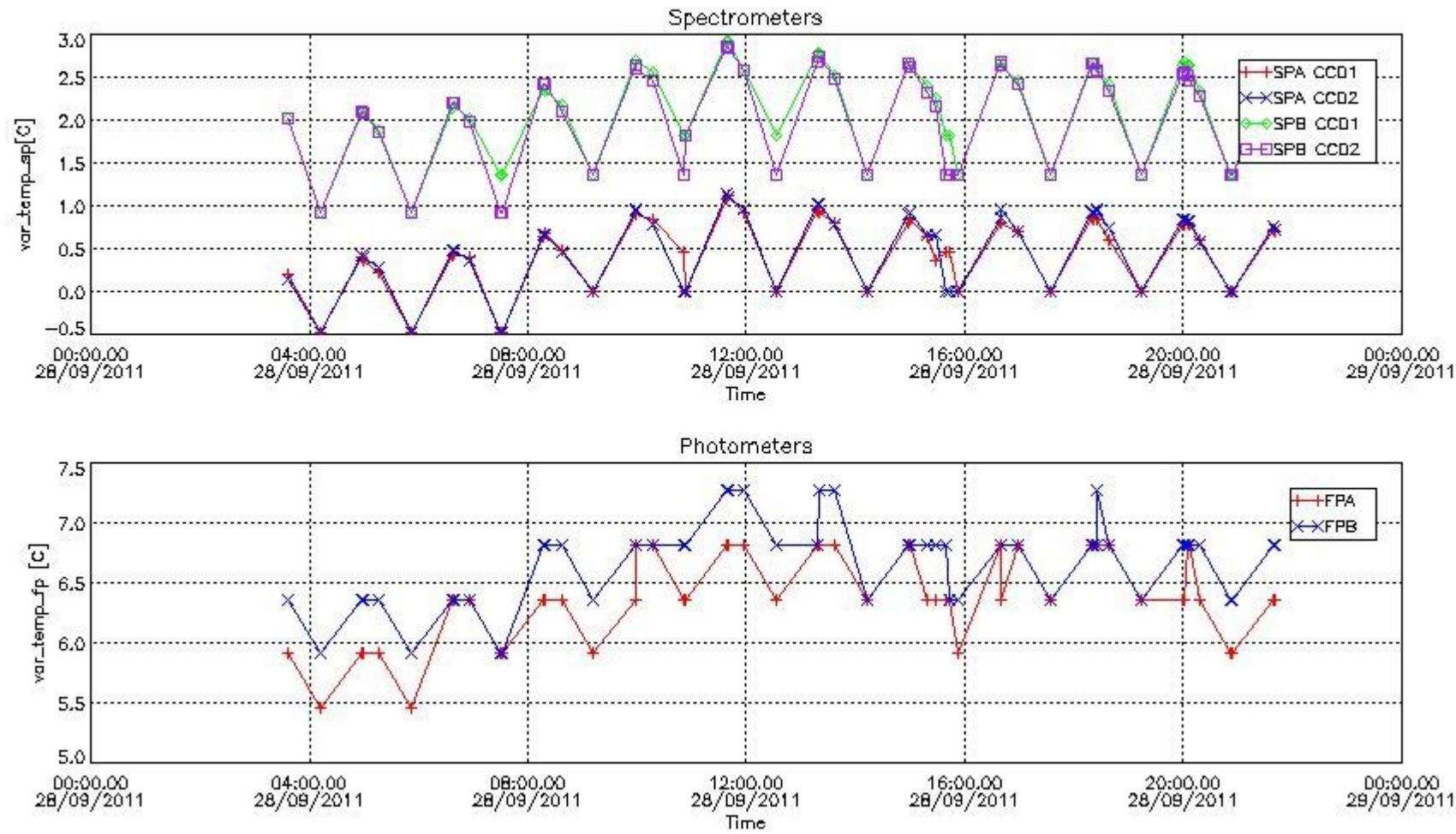
28-SEP-2011 02:06:43	16BetCet	52	50089
28-SEP-2011 02:17:18	88GamPeg	140	50089
28-SEP-2011 02:21:29	21AlpAnd	58	50089
28-SEP-2011 02:30:02	11BetCas	74	50089
28-SEP-2011 02:31:26	27GamCas	76	50089
28-SEP-2011 03:13:20	15RhoPup	132	50089
28-SEP-2011 03:16:49	31EtaCMa	88	50089
28-SEP-2011 03:18:27	21EpsCMa	23	50089
28-SEP-2011 03:20:14	DSA1055	0	50089
28-SEP-2011 03:22:16	TauPup	161	50090
28-SEP-2011 03:23:40	AlpCar	2	50090
28-SEP-2011 03:46:57	16BetCet	52	50090
28-SEP-2011 03:57:32	88GamPeg	140	50090
28-SEP-2011 04:01:43	21AlpAnd	58	50090
28-SEP-2011 04:10:16	11BetCas	74	50090
28-SEP-2011 04:53:34	15RhoPup	132	50090
28-SEP-2011 05:00:28	DSA1055	0	50090
28-SEP-2011 05:02:30	TauPup	161	50091
28-SEP-2011 05:03:54	AlpCar	2	50091
28-SEP-2011 05:27:11	16BetCet	52	50091
28-SEP-2011 05:37:46	88GamPeg	140	50091
28-SEP-2011 05:41:56	21AlpAnd	58	50091
28-SEP-2011 05:50:30	11BetCas	74	50091
28-SEP-2011 06:33:49	15RhoPup	132	50091
28-SEP-2011 06:40:43	DSA1055	0	50091
28-SEP-2011 06:42:45	TauPup	161	50092
28-SEP-2011 06:44:09	AlpCar	2	50092
28-SEP-2011 07:07:25	16BetCet	52	50092
28-SEP-2011 07:17:59	88GamPeg	140	50092
28-SEP-2011 07:22:10	21AlpAnd	58	50092
28-SEP-2011 07:30:43	11BetCas	74	50092
28-SEP-2011 07:32:07	27GamCas	76	50092
28-SEP-2011 08:14:04	15RhoPup	132	50092
28-SEP-2011 08:17:34	31EtaCMa	88	50092
28-SEP-2011 08:19:13	21EpsCMa	23	50092
28-SEP-2011 08:20:58	DSA1055	0	50092
28-SEP-2011 08:23:00	TauPup	161	50093
28-SEP-2011 08:24:24	AlpCar	2	50093
28-SEP-2011 08:36:45	The1Eri	157	50093
28-SEP-2011 08:47:39	16BetCet	52	50093
28-SEP-2011 08:58:13	88GamPeg	140	50093
28-SEP-2011 09:02:24	21AlpAnd	58	50093
28-SEP-2011 09:10:57	11BetCas	74	50093
28-SEP-2011 09:54:18	15RhoPup	132	50093
28-SEP-2011 10:01:12	DSA1055	0	50093
28-SEP-2011 10:03:14	TauPup	161	50094
28-SEP-2011 10:04:38	AlpCar	2	50094
28-SEP-2011 10:27:54	16BetCet	52	50094
28-SEP-2011 10:38:27	88GamPeg	140	50094
28-SEP-2011 10:42:37	21AlpAnd	58	50094
28-SEP-2011 11:18:11	17EpsLeo	166	50094
28-SEP-2011 11:34:33	15RhoPup	132	50094
28-SEP-2011 11:41:27	DSA1055	0	50094
28-SEP-2011 11:43:29	TauPup	161	50095
28-SEP-2011 11:44:53	AlpCar	2	50095
28-SEP-2011 12:08:08	16BetCet	52	50095
28-SEP-2011 12:18:41	88GamPeg	140	50095
28-SEP-2011 12:22:51	21AlpAnd	58	50095
28-SEP-2011 12:31:24	11BetCas	74	50095

28-SEP-2011 12:58:25	17EpsLeo	166	50095
28-SEP-2011 13:14:48	15RhoPup	132	50095
28-SEP-2011 13:21:42	DSA1055	0	50095
28-SEP-2011 13:23:44	TauPup	161	50096
28-SEP-2011 13:25:08	AlpCar	2	50096
28-SEP-2011 13:48:22	16BetCet	52	50096
28-SEP-2011 13:58:54	88GamPeg	140	50096
28-SEP-2011 14:03:05	21AlpAnd	58	50096
28-SEP-2011 14:11:38	11BetCas	74	50096
28-SEP-2011 14:38:40	17EpsLeo	166	50096
28-SEP-2011 14:55:03	15RhoPup	132	50096
28-SEP-2011 15:01:56	DSA1055	0	50096
28-SEP-2011 15:03:58	TauPup	161	50097
28-SEP-2011 15:05:22	AlpCar	2	50097
28-SEP-2011 15:51:52	11BetCas	74	50097
28-SEP-2011 16:18:54	17EpsLeo	166	50097
28-SEP-2011 16:35:17	15RhoPup	132	50097
28-SEP-2011 16:42:11	DSA1055	0	50097
28-SEP-2011 16:44:13	TauPup	161	50098
28-SEP-2011 16:45:37	AlpCar	2	50098
28-SEP-2011 17:08:50	16BetCet	52	50098
28-SEP-2011 17:19:22	88GamPeg	140	50098
28-SEP-2011 17:23:32	21AlpAnd	58	50098
28-SEP-2011 17:32:05	11BetCas	74	50098
28-SEP-2011 17:59:08	17EpsLeo	166	50098
28-SEP-2011 18:15:32	15RhoPup	132	50098
28-SEP-2011 18:22:26	DSA1055	0	50098
28-SEP-2011 18:49:04	16BetCet	52	50099
28-SEP-2011 18:59:36	88GamPeg	140	50099
28-SEP-2011 19:03:45	21AlpAnd	58	50099
28-SEP-2011 19:12:19	11BetCas	74	50099
28-SEP-2011 19:39:22	17EpsLeo	166	50099
28-SEP-2011 19:55:47	15RhoPup	132	50099
28-SEP-2011 20:02:41	DSA1055	0	50099
28-SEP-2011 20:29:18	16BetCet	52	50100
28-SEP-2011 20:39:49	88GamPeg	140	50100
28-SEP-2011 20:43:59	21AlpAnd	58	50100
28-SEP-2011 20:47:49	43BetAnd	53	50100
28-SEP-2011 21:19:36	17EpsLeo	166	50100
28-SEP-2011 21:36:02	15RhoPup	132	50100
28-SEP-2011 21:42:55	DSA1055	0	50100
28-SEP-2011 21:44:57	TauPup	161	50101
28-SEP-2011 21:46:21	AlpCar	2	50101
28-SEP-2011 21:58:42	The1Eri	157	50101
28-SEP-2011 22:09:32	16BetCet	52	50101
28-SEP-2011 22:20:03	88GamPeg	140	50101
28-SEP-2011 22:24:13	21AlpAnd	58	50101
28-SEP-2011 22:28:03	43BetAnd	53	50101
28-SEP-2011 22:32:47	11BetCas	74	50101
28-SEP-2011 22:34:09	27GamCas	76	50101
28-SEP-2011 22:59:50	17EpsLeo	166	50101
28-SEP-2011 23:16:16	15RhoPup	132	50101
28-SEP-2011 23:19:49	31EtaCMa	88	50101
28-SEP-2011 23:21:29	21EpsCMa	23	50101
28-SEP-2011 23:23:10	DSA1055	0	50101
28-SEP-2011 23:25:12	TauPup	161	50102
28-SEP-2011 23:26:36	AlpCar	2	50102
28-SEP-2011 23:38:57	The1Eri	157	50102
28-SEP-2011 23:49:46	16BetCet	52	50102

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_1PNPDE20110928_033558_000000513107_00076_50090_2059.N1	28-SEP-2011 03:35:58	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	50090	No
2	GOM_TRA_1PNPDE20110928_041137_000000403107_00076_50090_2060.N1	28-SEP-2011 04:11:37	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	50090	No
3	GOM_TRA_1PNPDE20110928_045702_000000503107_00076_50090_2097.N1	28-SEP-2011 04:57:02	Dark	49.500	88	31Eta CMa	2.4480	20000.	99	50090	No
4	GOM_TRA_1PNPDE20110928_045840_000000553107_00076_50090_2098.N1	28-SEP-2011 04:58:40	Dark	54.500	23	21Eps CMa	1.5020	26000.	109	50090	No
5	GOM_TRA_1PNPDE20110928_051613_000000503107_00077_50091_2099.N1	28-SEP-2011 05:16:13	Straylight	50.000	157	The1Eri	2.9060	9300.0	100	50091	No
6	GOM_TRA_1PNPDE20110928_055151_000000393107_00077_50091_2100.N1	28-SEP-2011 05:51:51	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	50091	No
7	GOM_TRA_1PNPDK20110928_063717_000000473107_00077_50091_0720.N1	28-SEP-2011 06:37:17	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	50091	No
8	GOM_TRA_1PNPDK20110928_063855_000000533107_00077_50091_0721.N1	28-SEP-2011 06:38:55	Dark	53.000	23	21Eps CMa	1.5020	26000.	106	50091	No
9	GOM_TRA_1PNPDK20110928_065628_000000523107_00078_50092_0722.N1	28-SEP-2011 06:56:28	Straylight	51.500	157	The1Eri	2.9060	9300.0	103	50092	No
10	GOM_TRA_1PNPDK20110928_073041_000000403107_00078_50092_0759.N1	28-SEP-2011 07:30:41	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	50092	No
11	GOM_TRA_1PNPDK20110928_073204_000000403107_00078_50092_0760.N1	28-SEP-2011 07:32:04	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	50092	No
12	GOM_TRA_1PNPDK20110928_081732_000000483107_00078_50092_0761.N1	28-SEP-2011 08:17:32	Dark	47.500	88	31Eta CMa	2.4480	20000.	95	50092	No
13	GOM_TRA_1PNPDK20110928_081911_000000523107_00078_50092_0762.N1	28-SEP-2011 08:19:11	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	50092	No
14	GOM_TRA_1PNPDK20110928_083643_000000493107_00079_50093_0763.N1	28-SEP-2011 08:36:43	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	50093	No
15	GOM_TRA_1PNPDK20110928_091218_000000413107_00079_50093_0802.N1	28-SEP-2011 09:12:18	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	50093	No
16	GOM_TRA_1PNPDK20110928_095747_000000493107_00079_50093_0803.N1	28-SEP-2011 09:57:47	Dark	49.000	88	31Eta CMa	2.4480	20000.	98	50093	No
17	GOM_TRA_1PNPDK20110928_095926_000000613107_00079_50093_0804.N1	28-SEP-2011 09:59:26	Dark	61.000	23	21Eps CMa	1.5020	26000.	122	50093	No
18	GOM_TRA_1PNPDK20110928_101657_000000513107_00080_50094_0805.N1	28-SEP-2011 10:16:57	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	50094	No
19	GOM_TRA_1PNPDK20110928_105109_000000403107_00080_50094_0830.N1	28-SEP-2011 10:51:09	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	50094	No
20	GOM_TRA_1PNPDK20110928_105231_000000413107_00080_50094_0831.N1	28-SEP-2011 10:52:31	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	50094	No
21	GOM_TRA_1PNPDK20110928_113802_000000493107_00080_50094_0832.N1	28-SEP-2011 11:38:02	Dark	49.000	88	31Eta CMa	2.4480	20000.	98	50094	No
22	GOM_TRA_1PNPDK20110928_113941_000000573107_00080_50094_0833.N1	28-SEP-2011 11:39:41	Dark	57.000	23	21Eps CMa	1.5020	26000.	114	50094	No
23	GOM_TRA_1PNPDK20110928_115712_000000503107_00081_50095_0834.N1	28-SEP-2011 11:57:12	Straylight	50.000	157	The1Eri	2.9060	9300.0	100	50095	No
24	GOM_TRA_1PNPDK20110928_123245_000000423107_00081_50095_0881.N1	28-SEP-2011 12:32:45	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	50095	No
25	GOM_TRA_1PNPDK20110928_131817_000000493107_00081_50095_0882.N1	28-SEP-2011 13:18:17	Dark	49.000	88	31Eta CMa	2.4480	20000.	98	50095	No
26	GOM_TRA_1PNPDK20110928_131956_000000553107_00081_50095_0883.N1	28-SEP-2011 13:19:56	Dark	54.500	23	21Eps CMa	1.5020	26000.	109	50095	No
27	GOM_TRA_1PNPDK20110928_133727_000000513107_00082_50096_0884.N1	28-SEP-2011 13:37:27	Straylight	50.500	157	The1Eri	2.9060	9300.0	101	50096	No
28	GOM_TRA_1PNPDK20110928_141259_000000413107_00082_50096_0916.N1	28-SEP-2011 14:12:59	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	50096	No
29	GOM_TRA_1PNPDK20110928_145832_000000463107_00082_50096_0917.N1	28-SEP-2011 14:58:32	Dark	46.000	88	31Eta CMa	2.4480	20000.	92	50096	No
30	GOM_TRA_1PNPDK20110928_150011_000000543107_00082_50096_0918.N1	28-SEP-2011 15:00:11	Dark	53.500	23	21Eps CMa	1.5020	26000.	107	50096	No
31	GOM_TRA_1PNPDK20110928_151741_000000493107_00083_50097_0919.N1	28-SEP-2011 15:17:41	Straylight	48.500	157	The1Eri	2.9060	9300.0	97	50097	No
32	GOM_TRA_1PNPDK20110928_152834_000000503107_00083_50097_0952.N1	28-SEP-2011 15:28:34	Straylight	50.000	52	16Bet Cet	2.0370	4500.0	100	50097	No
33	GOM_TRA_1PNPDK20110928_153906_000000413107_00083_50097_0953.N1	28-SEP-2011 15:39:06	Bright	40.500	140	88Gam Peg	2.8340	26000.	81	50097	No
34	GOM_TRA_1PNPDK20110928_154316_000000423107_00083_50097_0954.N1	28-SEP-2011 15:43:16	Bright	41.500	58	21Alp And	2.0730	11000.	83	50097	No
35	GOM_TRA_1PNPDK20110928_155312_000000393107_00083_50097_0955.N1	28-SEP-2011 15:53:12	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	50097	No
36	GOM_TRA_1PNPDK20110928_163847_000000493107_00083_50097_0956.N1	28-SEP-2011 16:38:47	Dark	49.000	88	31Eta CMa	2.4480	20000.	98	50097	No
37	GOM_TRA_1PNPDK20110928_164026_000000543107_00083_50097_0957.N1	28-SEP-2011 16:40:26	Dark	54.000	23	21Eps CMa	1.5020	26000.	108	50097	No
38	GOM_TRA_1PNPDK20110928_165756_000000503107_00084_50098_0958.N1	28-SEP-2011 16:57:56	Straylight	50.000	157	The1Eri	2.9060	9300.0	100	50098	No
39	GOM_TRA_1PNPDK20110928_173326_000000383107_00084_50098_0985.N1	28-SEP-2011 17:33:26	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	50098	No
40	GOM_TRA_1PNPDK20110928_181902_000000473107_00084_50098_0986.N1	28-SEP-2011 18:19:02	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	50098	No
41	GOM_TRA_1PNPDK20110928_182041_000000553107_00084_50098_0987.N1	28-SEP-2011 18:20:41	Dark	55.000	23	21Eps CMa	1.5020	26000.	110	50098	No
42	GOM_TRA_1PNPDK20110928_182426_000000453107_00085_50099_0988.N1	28-SEP-2011 18:24:26	Dark	45.000	161	Tau Pup	2.9310	4500.0	90	50099	No
43	GOM_TRA_1PNPDK20110928_182550_000000483107_00085_50099_0989.N1	28-SEP-2011 18:25:50	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	50099	No
44	GOM_TRA_1PNPDK20110928_183811_000000503107_00085_50099_0990.N1	28-SEP-2011 18:38:11	Straylight	50.000	157	The1Eri	2.9060	9300.0	100	50099	No
45	GOM_TRA_1PNPDK20110928_191339_000000413107_00085_50099_1007.N1	28-SEP-2011 19:13:39	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	50099	No
46	GOM_TRA_1PNPDK20110928_195917_000000523107_00085_50099_1008.N1	28-SEP-2011 19:59:17	Dark	52.000	88	31Eta CMa	2.4480	20000.	104	50099	No
47	GOM_TRA_1PNPDK20110928_200057_000000553107_00085_50099_1009.N1	28-SEP-2011 20:00:57	Dark	55.000	23	21Eps CMa	1.5020	26000.	110	50099	No
48	GOM_TRA_1PNPDK20110928_200440_000000513107_00086_50100_1010.N1	28-SEP-2011 20:04:40	Dark	50.500	161	Tau Pup	2.9310	4500.0	101	50100	No
49	GOM_TRA_1PNPDK20110928_200604_000000593107_00086_50100_1011.N1	28-SEP-2011 20:06:04	Dark	59.000	2	Alp Car	-0.73600	7000.0	118	50100	No
50	GOM_TRA_1PNPDE20110928_201826_000000513107_00086_50100_2288.N1	28-SEP-2011 20:18:26	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	50100	No
51	GOM_TRA_1PNPDE20110928_205231_000000023107_00086_50100_2289.N1	28-SEP-2011 20:52:31	Straylight	2.0000	74	11Bet Cas	2.2680	6600.0	4	50100	No
52	GOM_TRA_1PNPDE20110928_205353_000000413107_00086_50100_2290.N1	28-SEP-2011 20:53:53	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	50100	No
53	GOM_TRA_1PNPDE20110928_213931_000000493107_00086_50100_2310.N1	28-SEP-2011 21:39:31	Dark	49.000	88	31Eta CMa	2.4480	20000.	98	50100	No
54	GOM_TRA_1PNPDE20110928_214112_000000603107_00086_50100_2311.N1	28-SEP-2011 21:41:12	Dark	60.000	23	21Eps CMa	1.5020	26000.	120	50100	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).

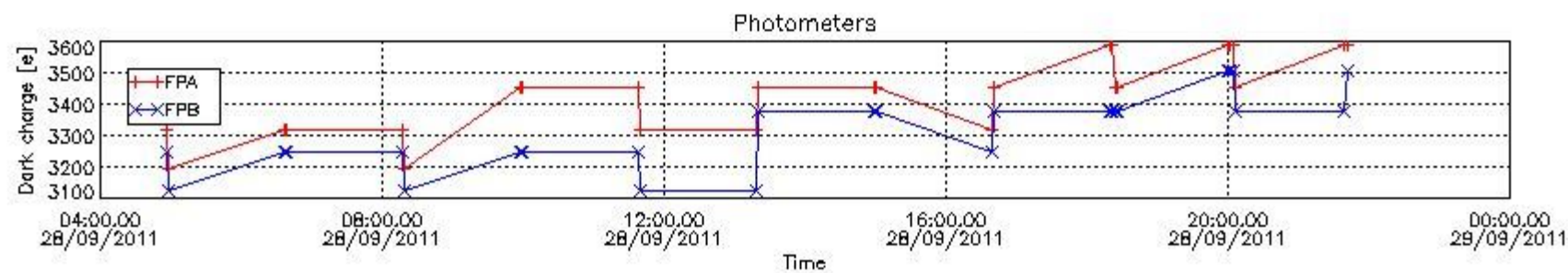
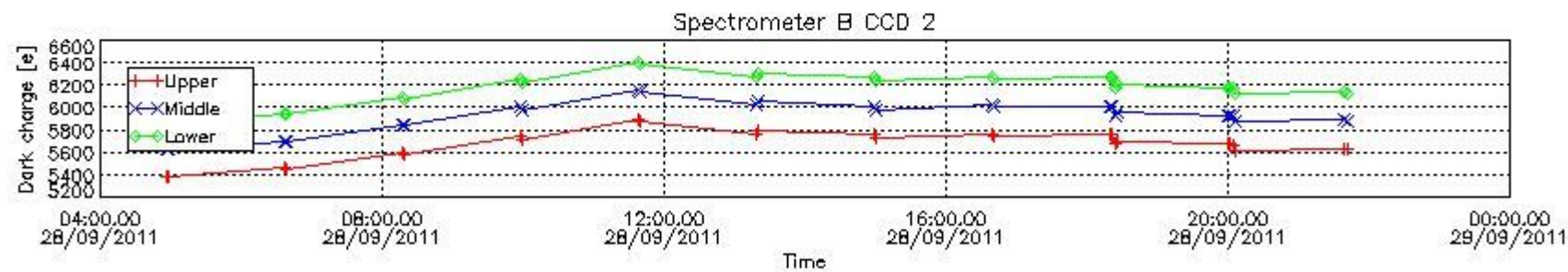
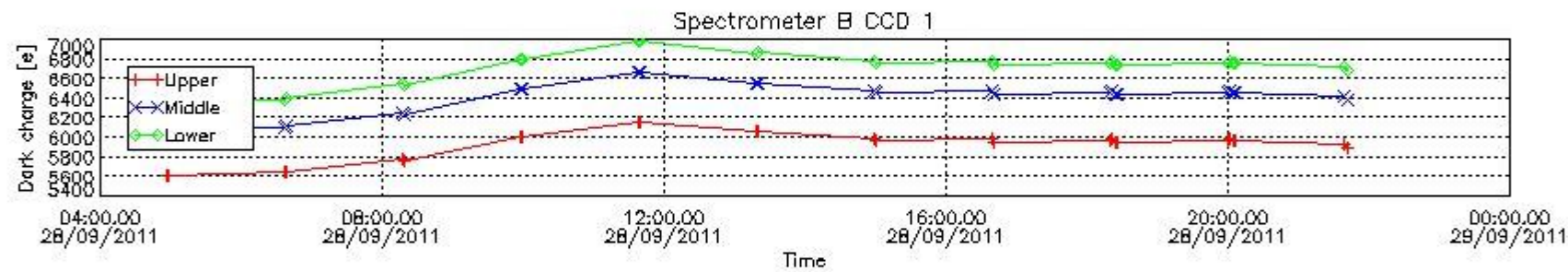
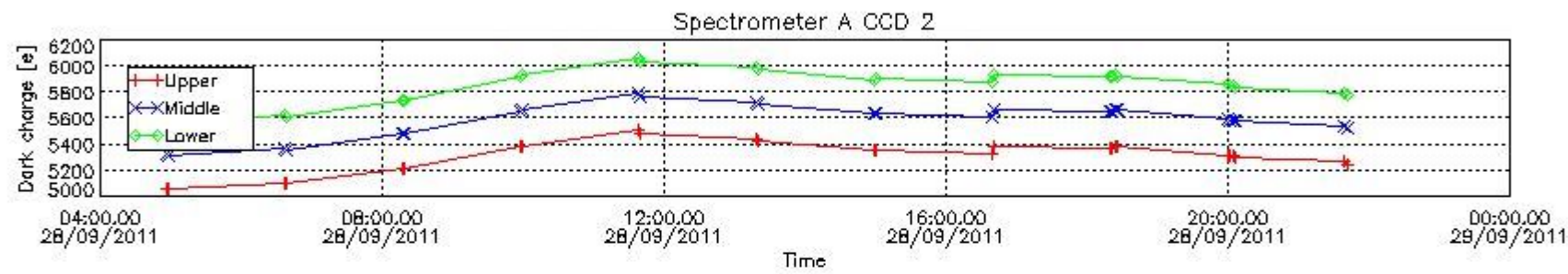
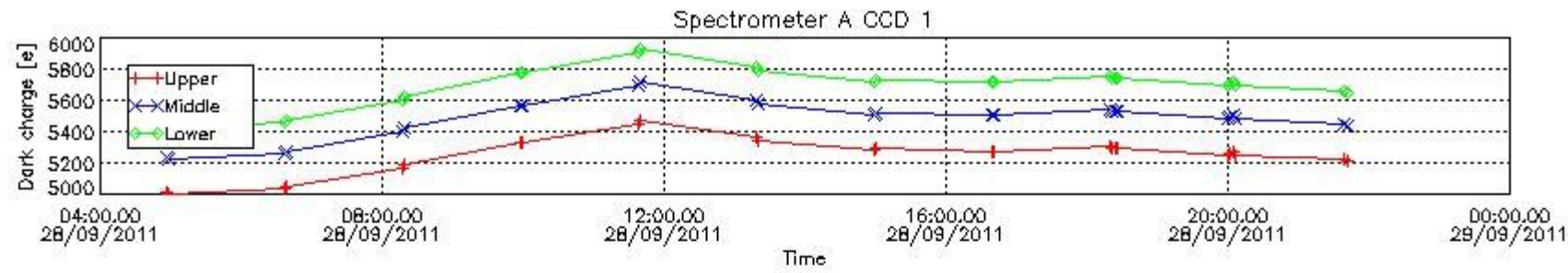
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110928_033558_000000513107_00076_50090_2059.N1	DC map used
GOM_TRA_1PNPDE20110928_041137_000000403107_00076_50090_2060.N1	DC map used
GOM_TRA_1PNPDE20110928_045702_000000503107_00076_50090_2097.N1	DC map used
GOM_TRA_1PNPDE20110928_045840_000000553107_00076_50090_2098.N1	DC map used
GOM_TRA_1PNPDE20110928_051613_000000503107_00077_50091_2099.N1	DC map used
GOM_TRA_1PNPDE20110928_055151_000000393107_00077_50091_2100.N1	DC map used
GOM_TRA_1PNPDK20110928_063717_000000473107_00077_50091_0720.N1	DC map used
GOM_TRA_1PNPDK20110928_063855_000000533107_00077_50091_0721.N1	DC map used
GOM_TRA_1PNPDK20110928_065628_000000523107_00078_50092_0722.N1	DC map used
GOM_TRA_1PNPDK20110928_073041_000000403107_00078_50092_0759.N1	DC map used
GOM_TRA_1PNPDK20110928_073204_000000403107_00078_50092_0760.N1	DC map used

GOM_TRA_1PNPDK20110928_081732_000000483107_00078_50092_0761.N1	DC map used
GOM_TRA_1PNPDK20110928_081911_000000523107_00078_50092_0762.N1	DC map used
GOM_TRA_1PNPDK20110928_083643_000000493107_00079_50093_0763.N1	DC map used
GOM_TRA_1PNPDK20110928_091218_000000413107_00079_50093_0802.N1	DC map used
GOM_TRA_1PNPDK20110928_095747_000000493107_00079_50093_0803.N1	DC map used
GOM_TRA_1PNPDK20110928_095926_000000613107_00079_50093_0804.N1	DC map used
GOM_TRA_1PNPDK20110928_101657_000000513107_00080_50094_0805.N1	DC map used
GOM_TRA_1PNPDK20110928_105109_000000403107_00080_50094_0830.N1	DC map used
GOM_TRA_1PNPDK20110928_105231_000000413107_00080_50094_0831.N1	DC map used
GOM_TRA_1PNPDK20110928_113802_000000493107_00080_50094_0832.N1	DC map used
GOM_TRA_1PNPDK20110928_113941_000000573107_00080_50094_0833.N1	DC map used
GOM_TRA_1PNPDK20110928_115712_000000503107_00081_50095_0834.N1	DC map used
GOM_TRA_1PNPDK20110928_123245_000000423107_00081_50095_0881.N1	DC map used
GOM_TRA_1PNPDK20110928_131817_000000493107_00081_50095_0882.N1	DC map used
GOM_TRA_1PNPDK20110928_131956_000000553107_00081_50095_0883.N1	DC map used
GOM_TRA_1PNPDK20110928_133727_000000513107_00082_50096_0884.N1	DC map used
GOM_TRA_1PNPDK20110928_141259_000000413107_00082_50096_0916.N1	DC map used
GOM_TRA_1PNPDK20110928_145832_000000463107_00082_50096_0917.N1	DC map used
GOM_TRA_1PNPDK20110928_150011_000000543107_00082_50096_0918.N1	DC map used
GOM_TRA_1PNPDK20110928_151741_000000493107_00083_50097_0919.N1	DC map used
GOM_TRA_1PNPDK20110928_152834_000000503107_00083_50097_0952.N1	DC map used
GOM_TRA_1PNPDK20110928_153906_000000413107_00083_50097_0953.N1	DC map used
GOM_TRA_1PNPDK20110928_154316_000000423107_00083_50097_0954.N1	DC map used
GOM_TRA_1PNPDK20110928_155312_000000393107_00083_50097_0955.N1	DC map used
GOM_TRA_1PNPDK20110928_163847_000000493107_00083_50097_0956.N1	DC map used
GOM_TRA_1PNPDK20110928_164026_000000543107_00083_50097_0957.N1	DC map used
GOM_TRA_1PNPDK20110928_165756_000000503107_00084_50098_0958.N1	DC map used
GOM_TRA_1PNPDK20110928_173326_000000383107_00084_50098_0985.N1	DC map used
GOM_TRA_1PNPDK20110928_181902_000000473107_00084_50098_0986.N1	DC map used
GOM_TRA_1PNPDK20110928_182041_000000553107_00084_50098_0987.N1	DC map used
GOM_TRA_1PNPDK20110928_182426_000000453107_00085_50099_0988.N1	DC map used
GOM_TRA_1PNPDK20110928_182550_000000483107_00085_50099_0989.N1	DC map used
GOM_TRA_1PNPDK20110928_183811_000000503107_00085_50099_0990.N1	DC map used
GOM_TRA_1PNPDK20110928_191339_000000413107_00085_50099_1007.N1	DC map used
GOM_TRA_1PNPDK20110928_195917_000000523107_00085_50099_1008.N1	DC map used
GOM_TRA_1PNPDK20110928_200057_000000553107_00085_50099_1009.N1	DC map used
GOM_TRA_1PNPDK20110928_200440_000000513107_00086_50100_1010.N1	DC map used
GOM_TRA_1PNPDK20110928_200604_000000593107_00086_50100_1011.N1	DC map used
GOM_TRA_1PNPDE20110928_201826_000000513107_00086_50100_2288.N1	DC map used
GOM_TRA_1PNPDE20110928_205231_000000023107_00086_50100_2289.N1	DC map used
GOM_TRA_1PNPDE20110928_205353_000000413107_00086_50100_2290.N1	DC map used
GOM_TRA_1PNPDE20110928_213931_000000493107_00086_50100_2310.N1	DC map used
GOM_TRA_1PNPDE20110928_214112_000000603107_00086_50100_2311.N1	DC map used

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



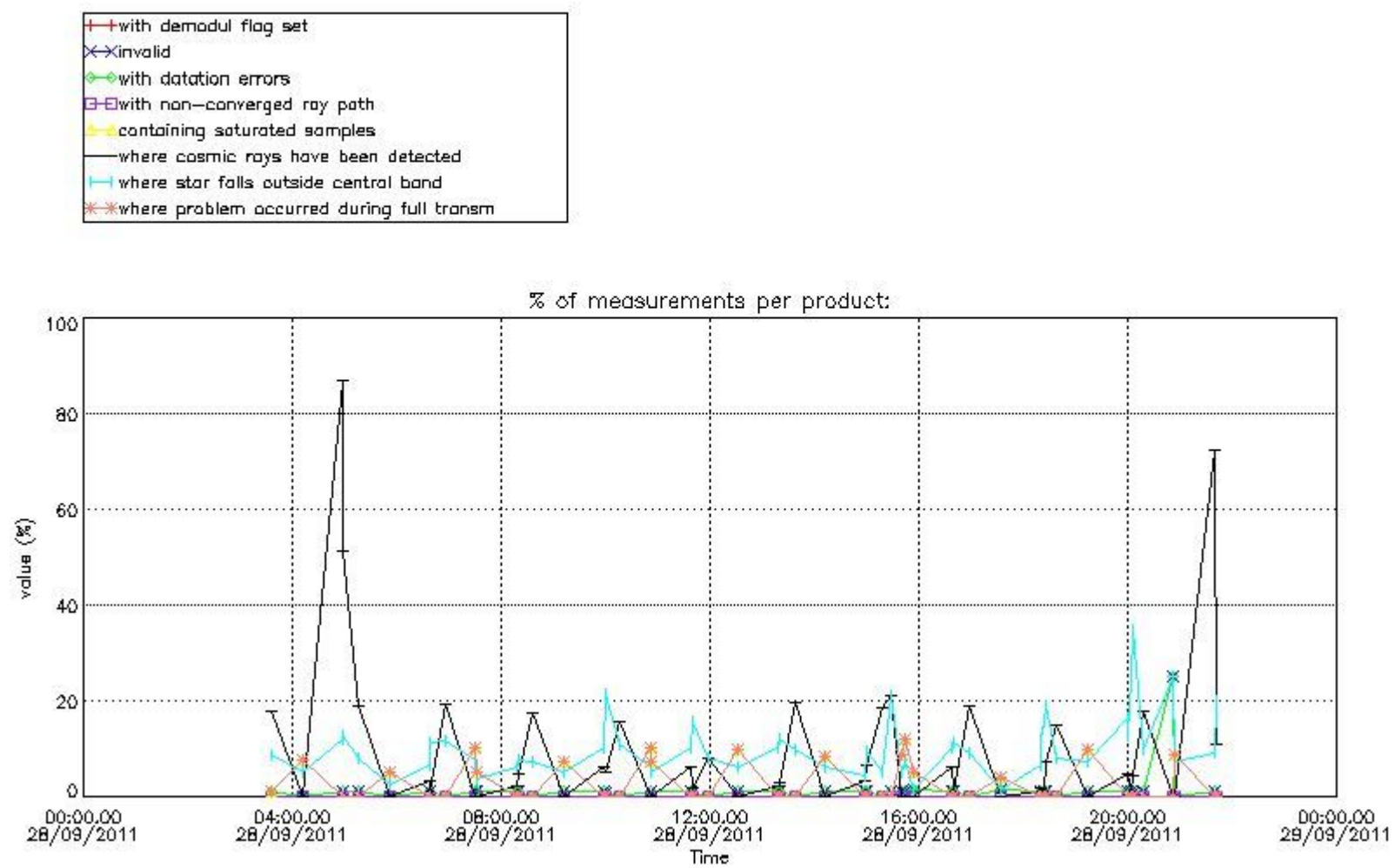
5. Demodulation flag and quality information monitoring

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.

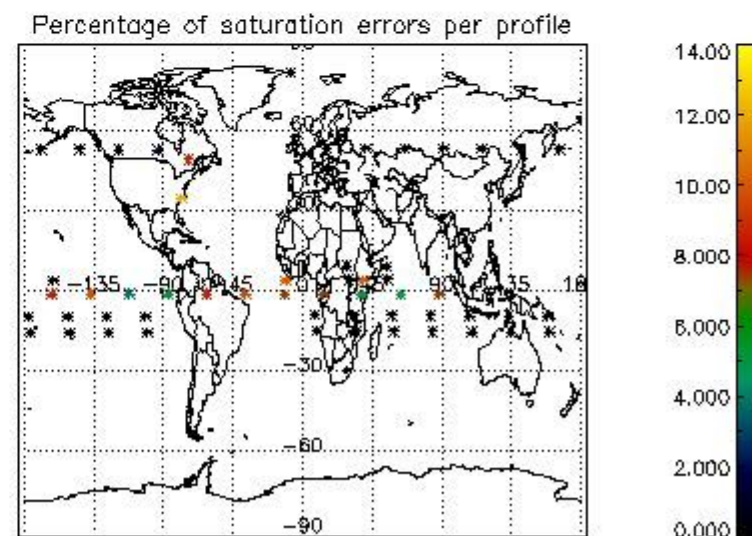
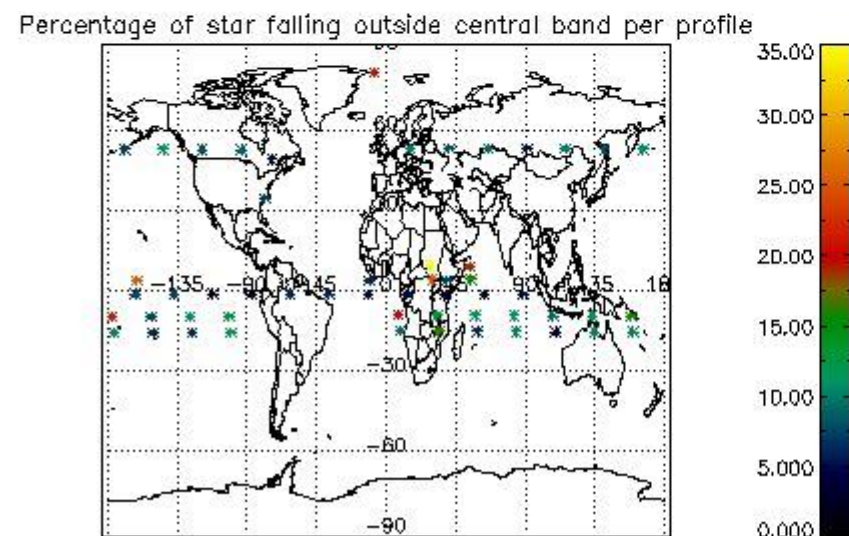
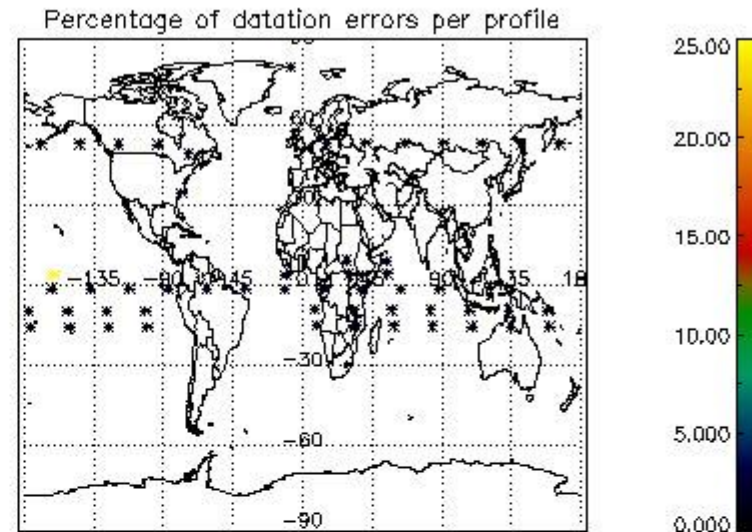
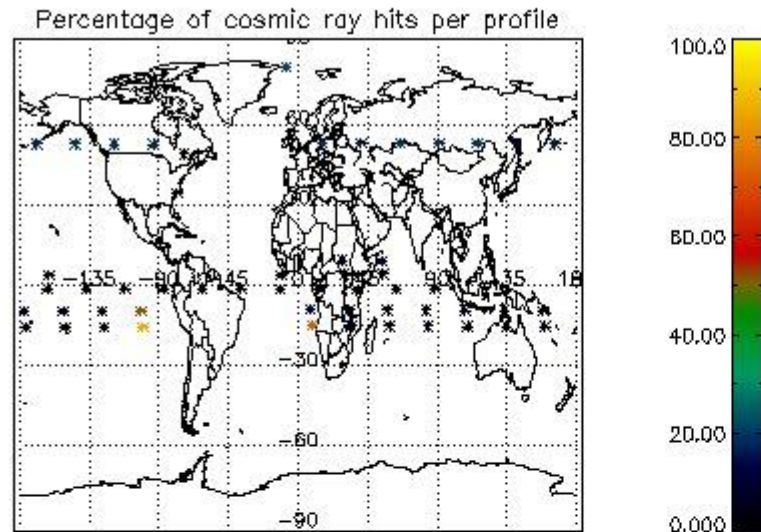
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	64.8148 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	27.7778 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



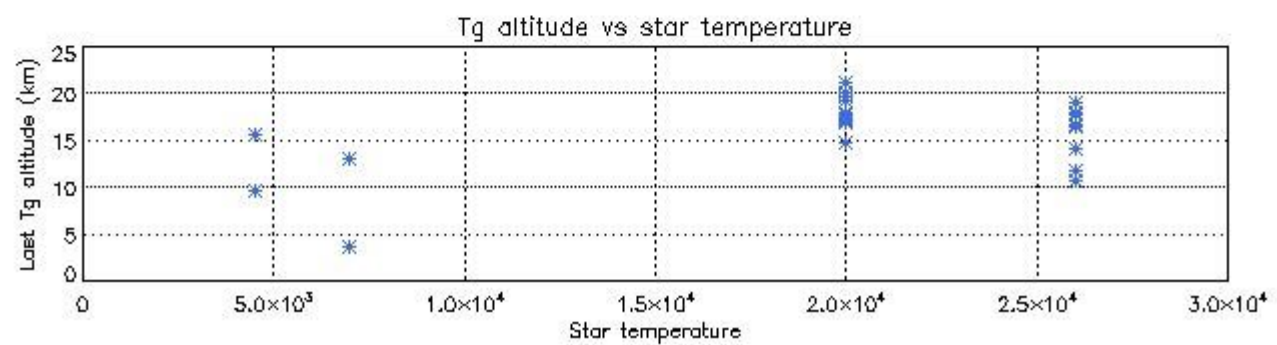
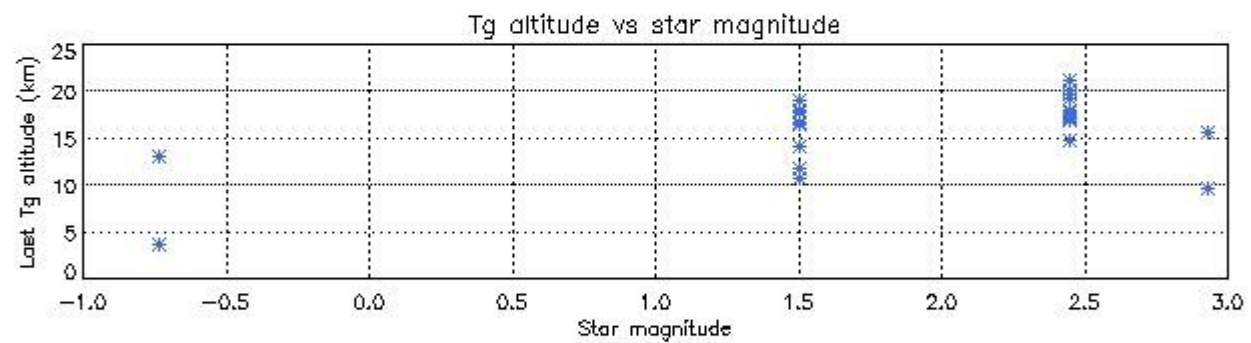
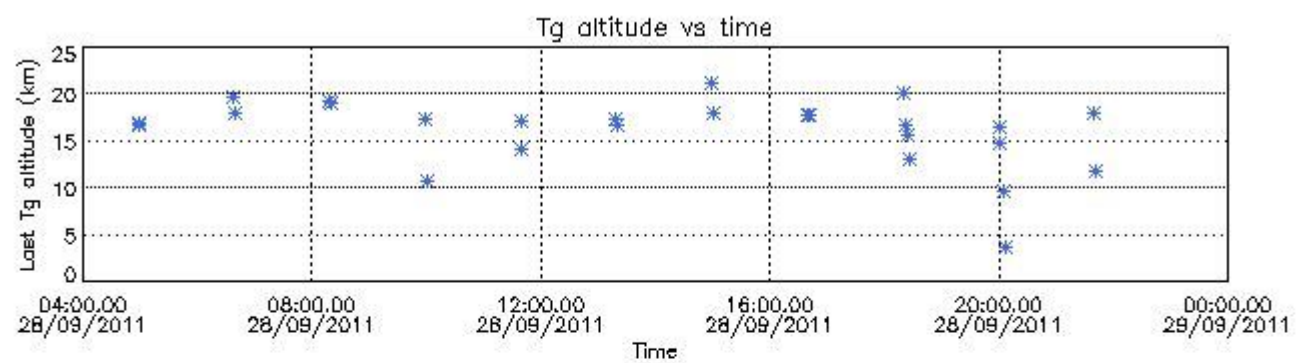
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.016	21.879	NaN
St. deviation:	3.7839	2.0241	NaN
Maximum:	21.165	26.545	NaN
Minimum:	3.5486	19.748	NaN
Number of data:	26.000	15.000	NaN

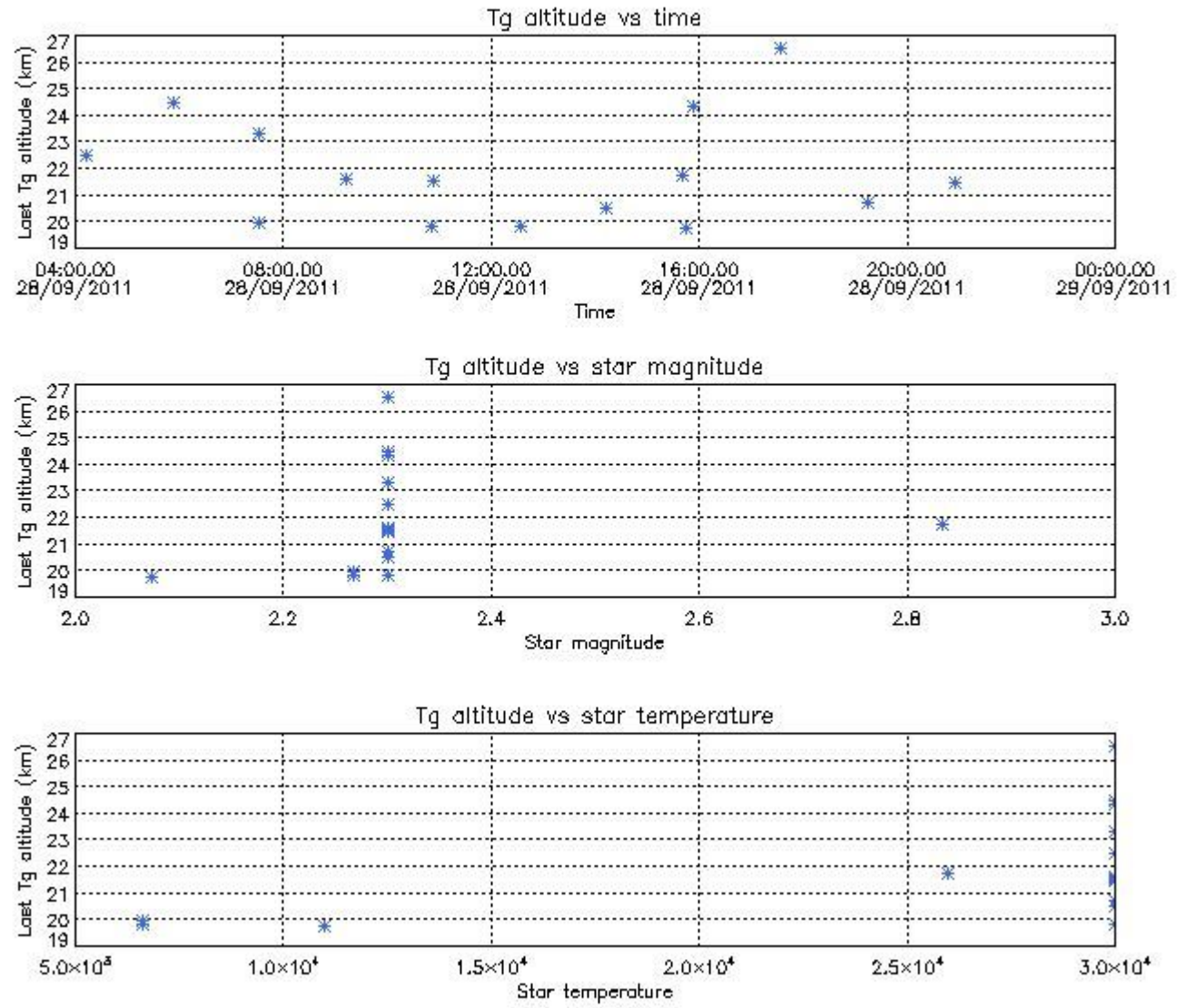
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

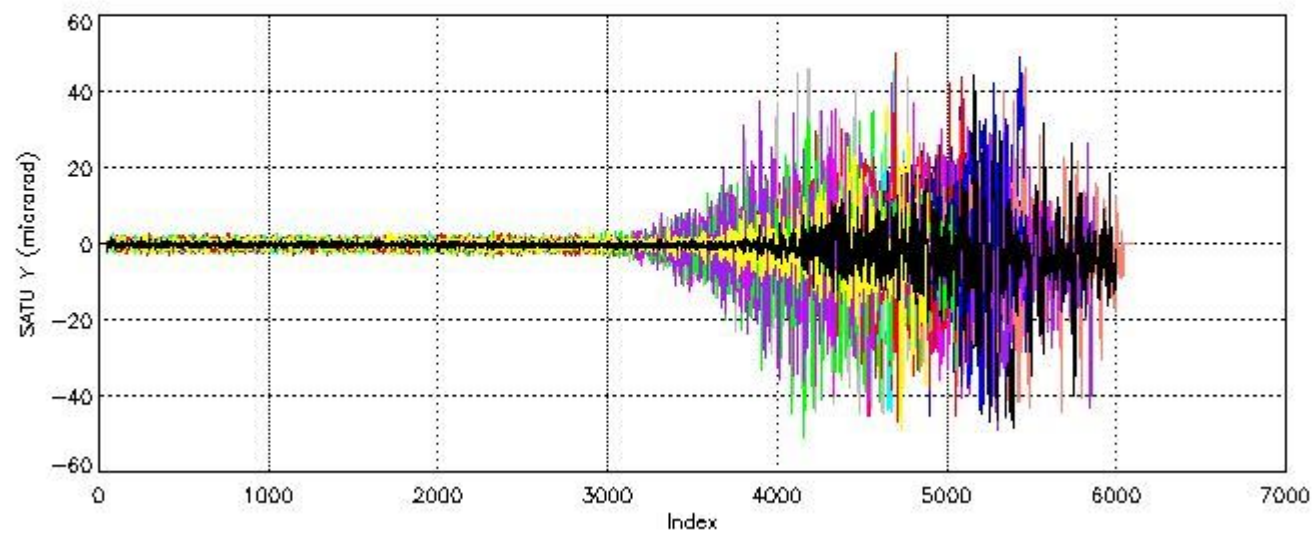
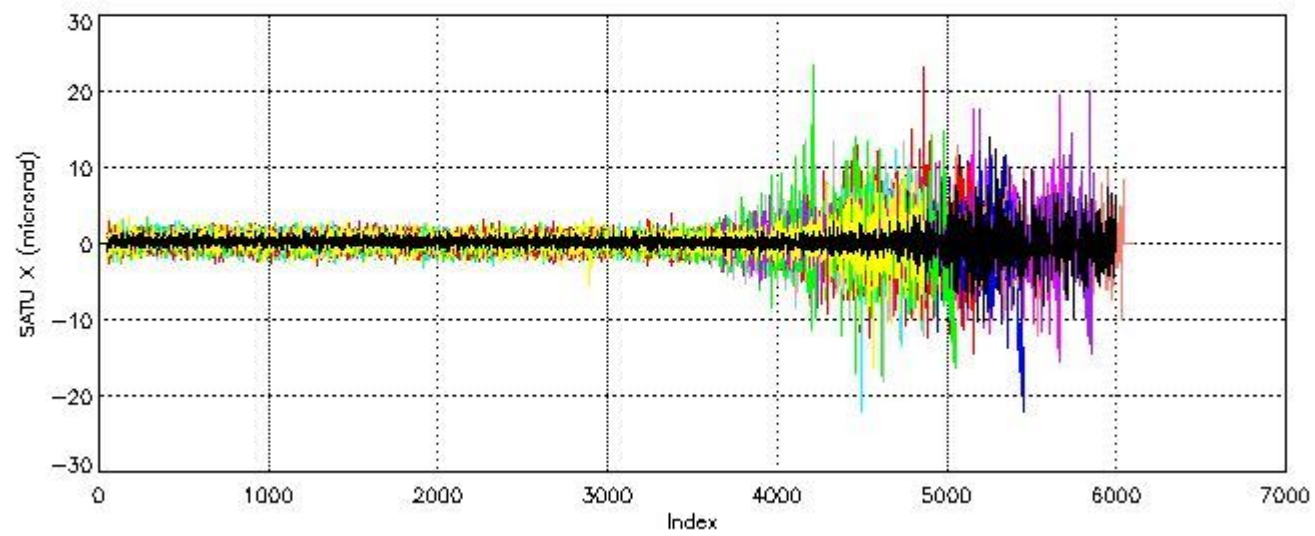


7. Star Acquisition and Tracking Unit (SATU)

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:	0.24077	-0.23709	0.20585	-0.27744
St. deviation:	0.57760	0.59699	0.86009	0.86925
Maximum:	3.8000	2.8000	16.000	5.9000
Minimum:	-2.7000	-3.3000	-5.9000	-13.600

Number of data:	30350.	30350.	14650.	14650.
90Percentile:	1.0000	0.50000	1.3000	0.80000

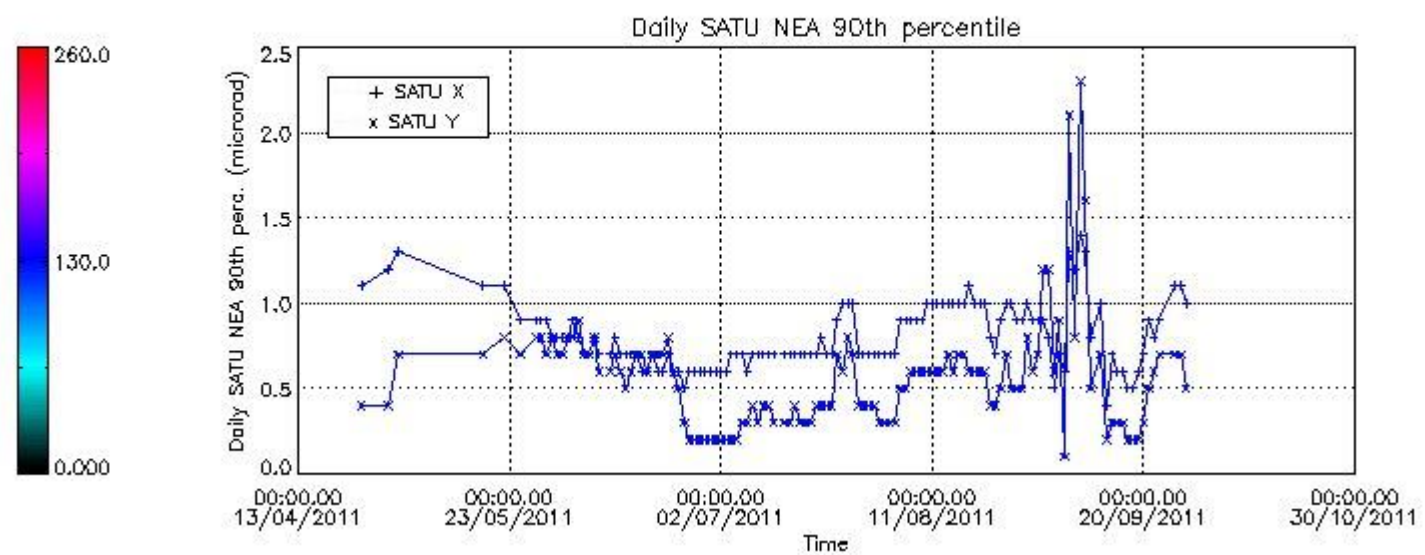
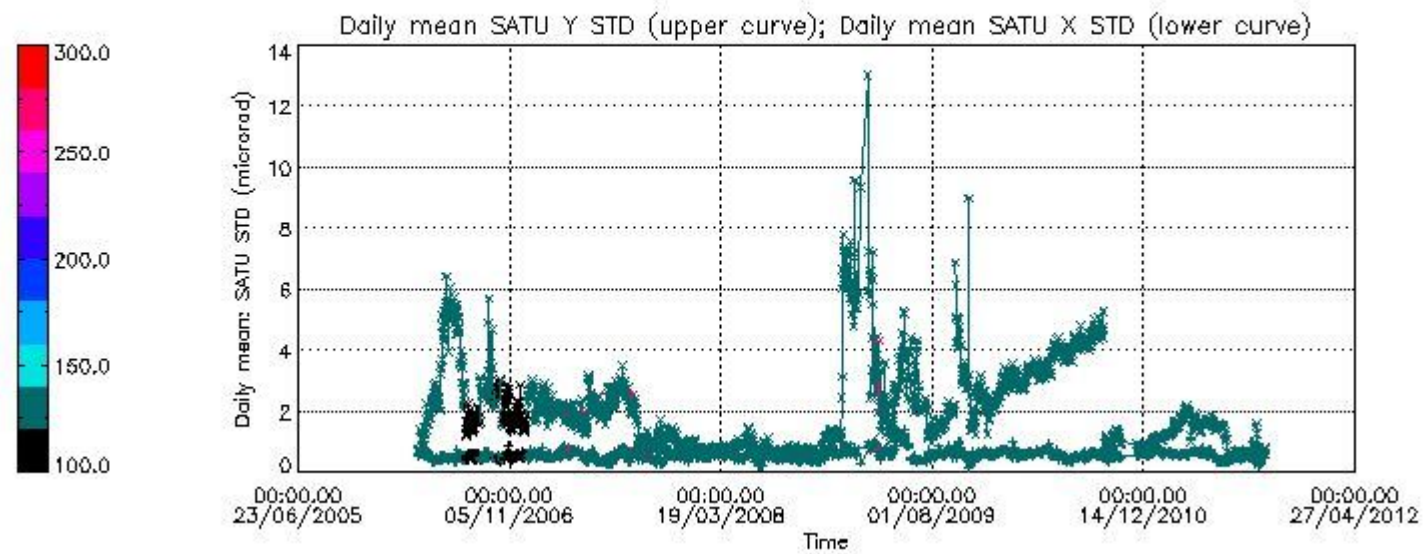
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

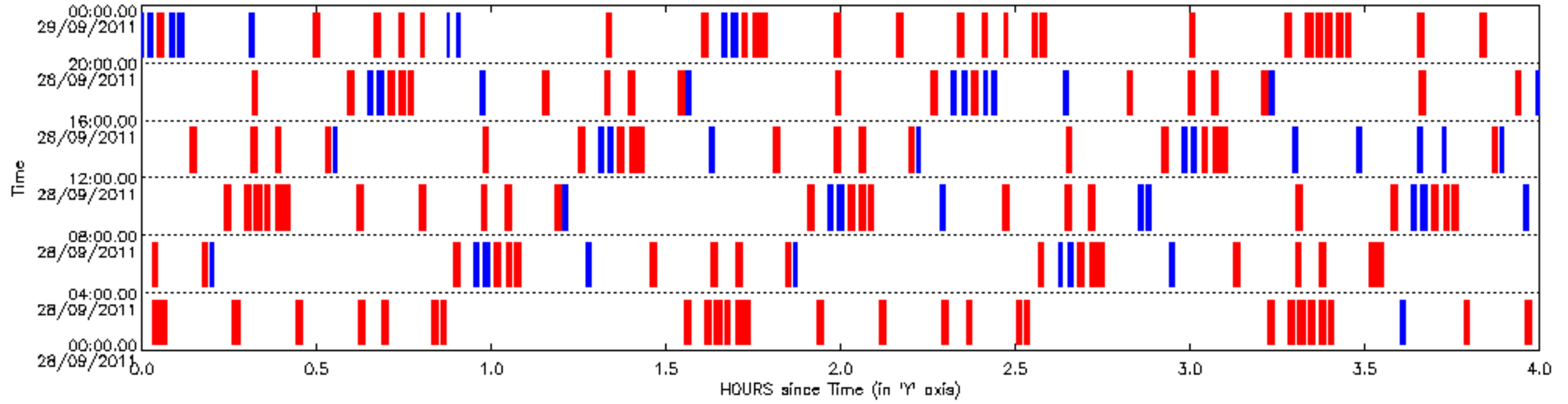
Lower curve: STD of SATU X axis

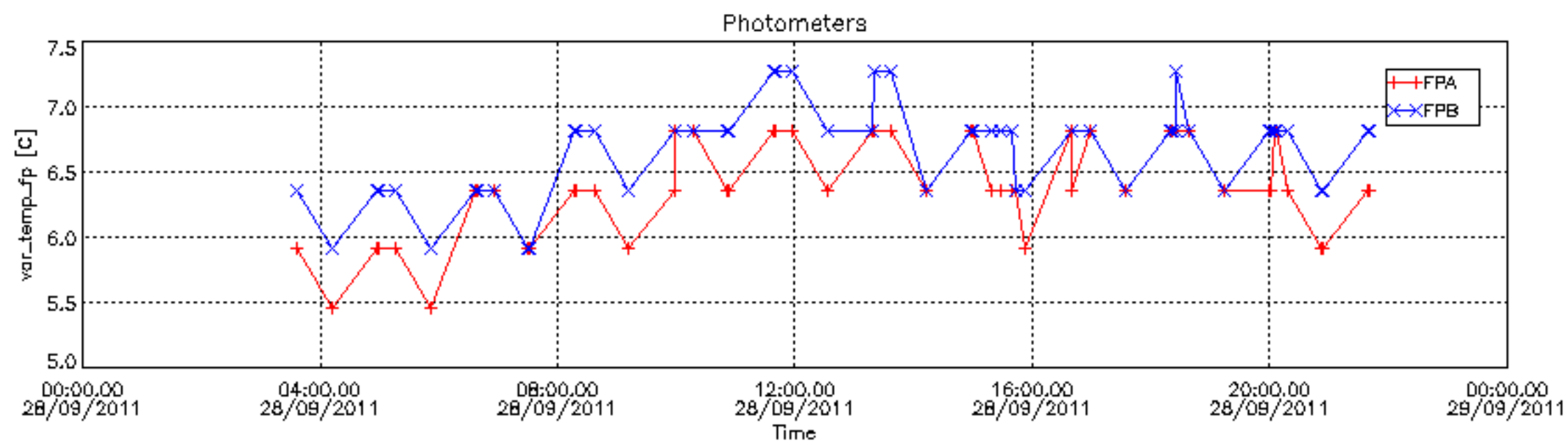
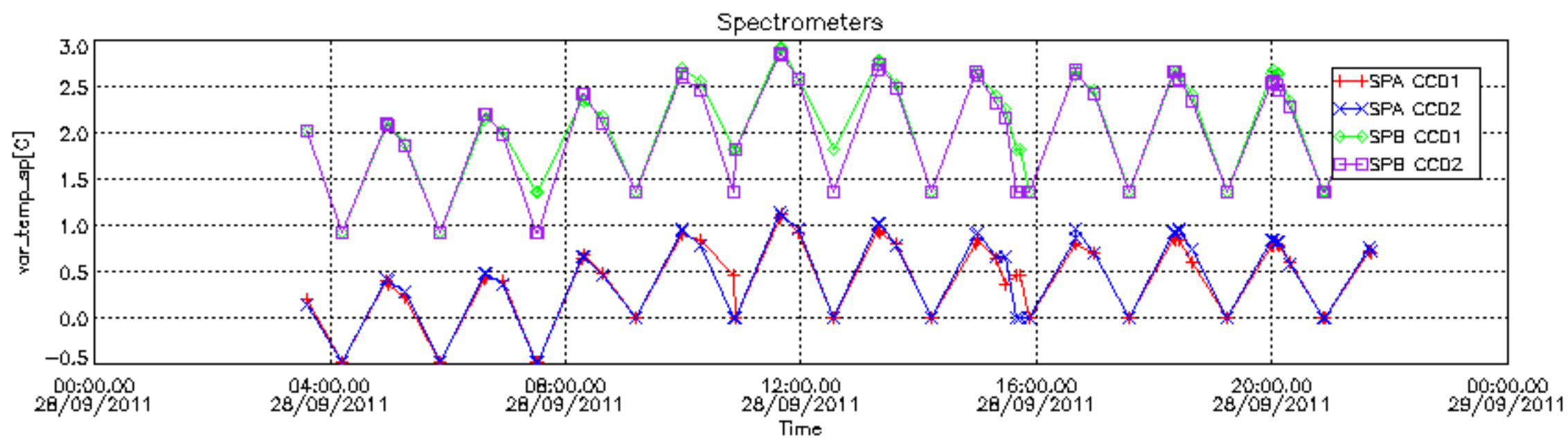


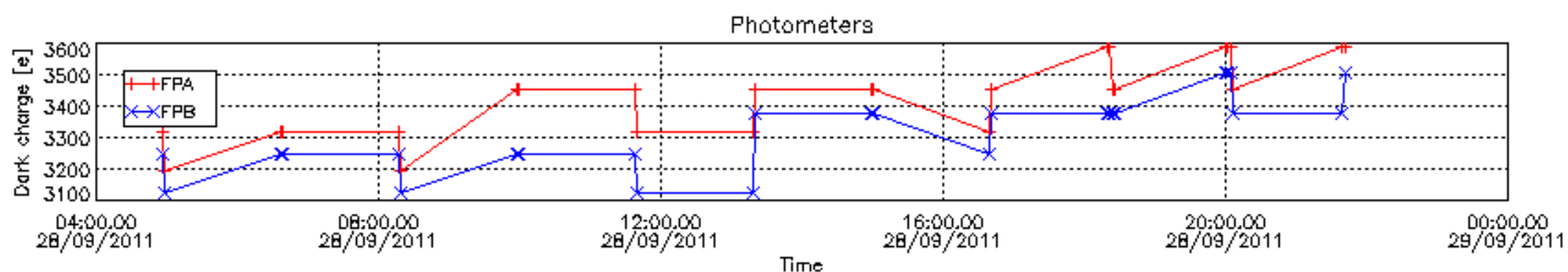
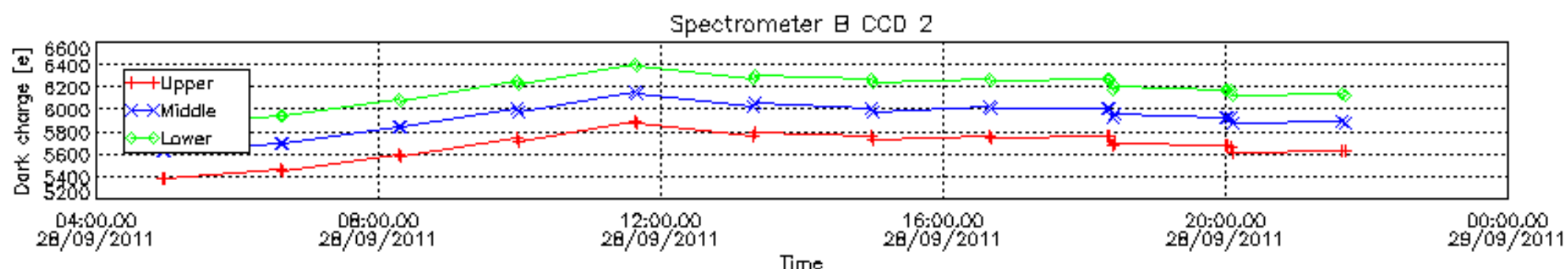
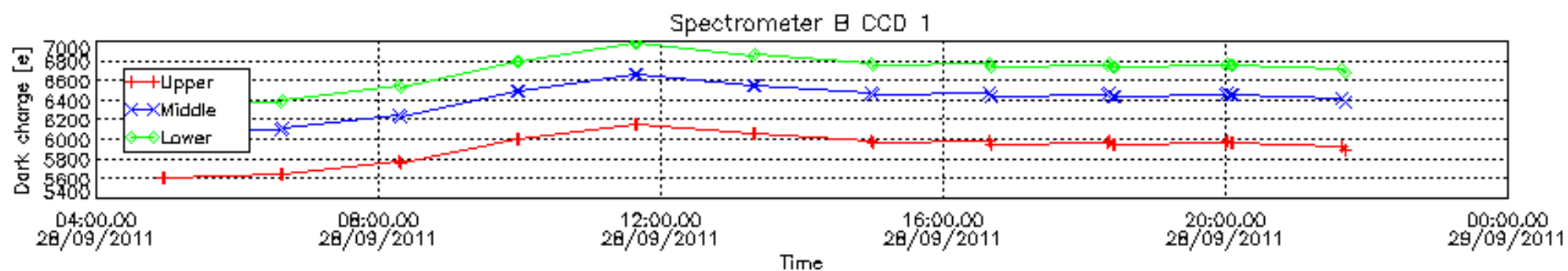
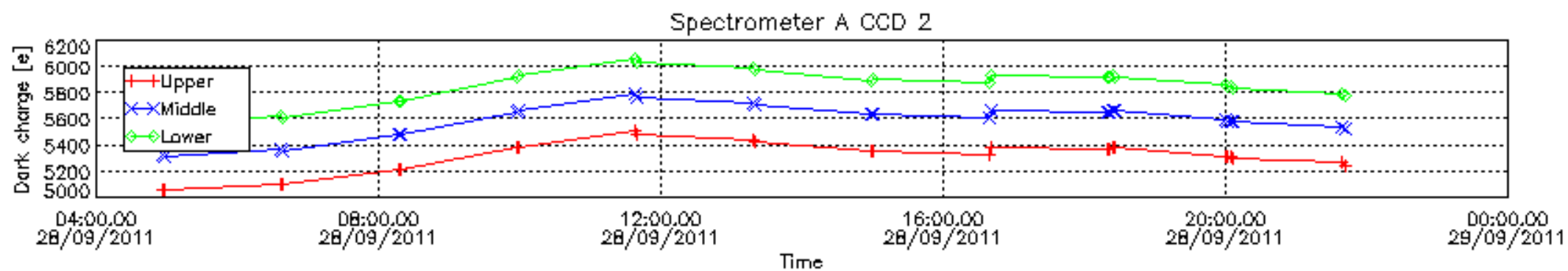
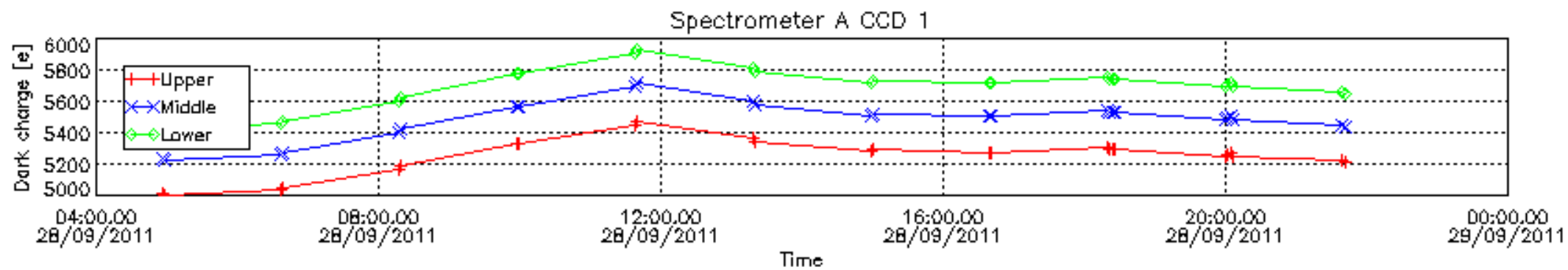
8. Auxiliary Data Files used for the production reported in section 2.4

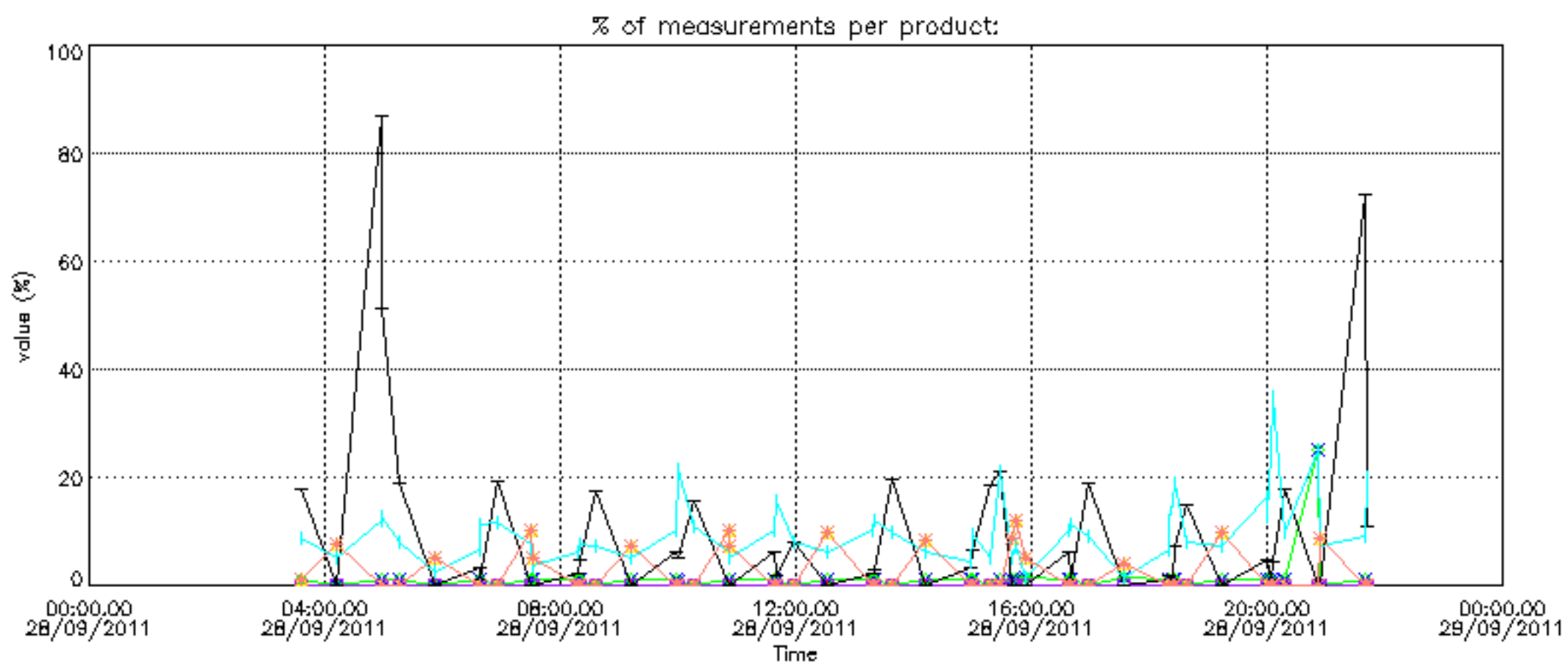
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	28-SEP-2011 03:35:58
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110923_090428_20110920_000000_20500101_000000	1	28-SEP-2011 03:35:58
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	28-SEP-2011 03:35:58
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-SEP-2011 03:35:58
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	28-SEP-2011 03:35:58
ECMWF_FILE	AUX_ECF_AXNECM20110927_181345_20110928_030000_20110928_150000	1	28-SEP-2011 03:35:58
ECMWF_FILE	AUX_ECA_AXNECM20110928_055520_20110927_210000_20110928_090000	7	28-SEP-2011 06:37:17
ECMWF_FILE	AUX_ECF_AXNECM20110928_063519_20110928_090000_20110928_210000	15	28-SEP-2011 09:12:18
ECMWF_FILE	AUX_ECF_AXNECM20110928_063519_20110928_150000_20110929_030000	32	28-SEP-2011 15:28:34
ECMWF_FILE	AUX_ECA_AXNECM20110928_175522_20110928_090000_20110928_210000	39	28-SEP-2011 17:33:26
ECMWF_FILE	AUX_ECF_AXNECM20110928_063520_20110928_210000_20110929_090000	53	28-SEP-2011 21:39:31
OPTIONAL_ECMWF_FILE	MISSING	1	28-SEP-2011 03:35:58
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110927_102113_20110926_193647_20111006_201017	1	28-SEP-2011 03:35:58
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110928_101518_20110927_190002_20111007_211346	19	28-SEP-2011 10:51:09

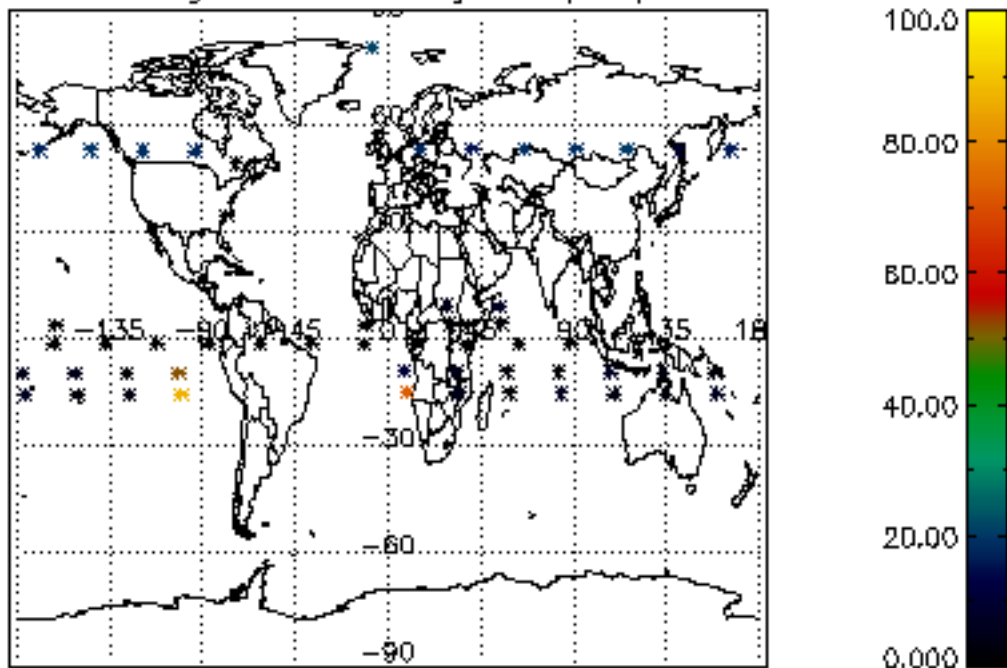




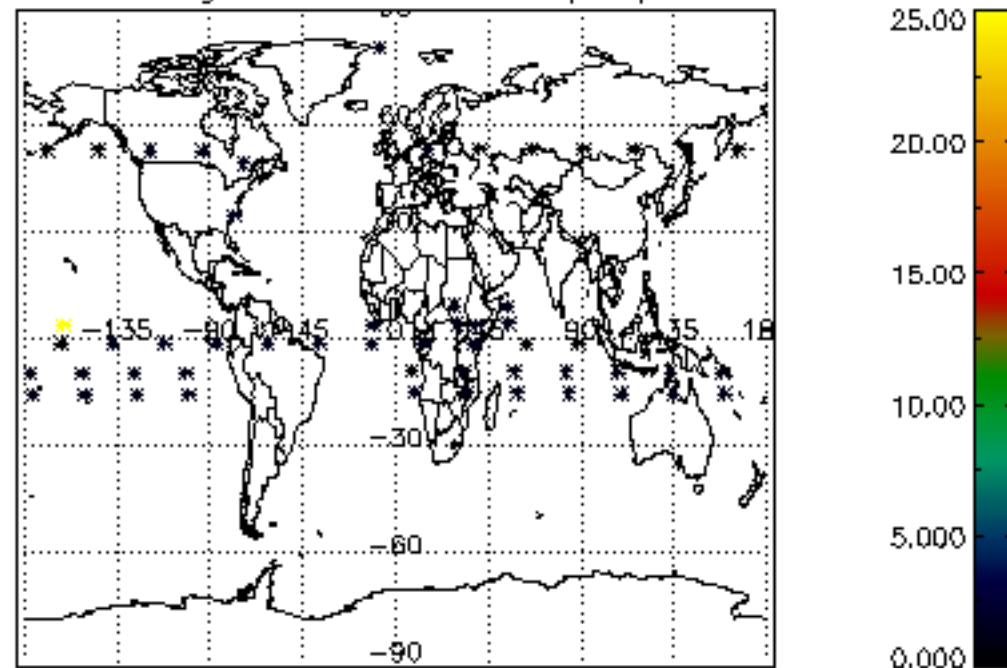




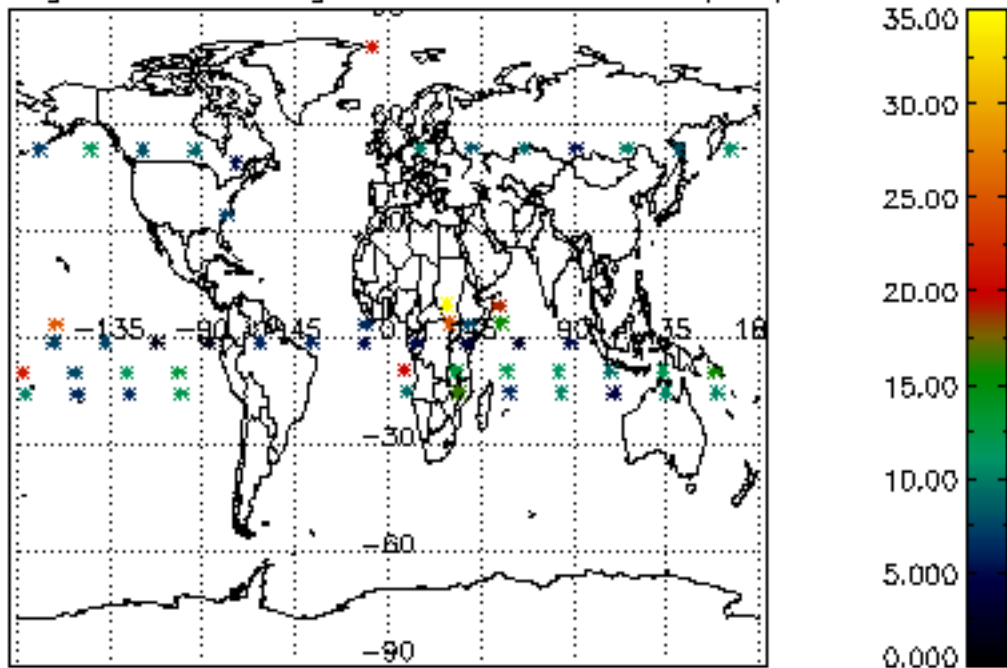
Percentage of cosmic ray hits per profile



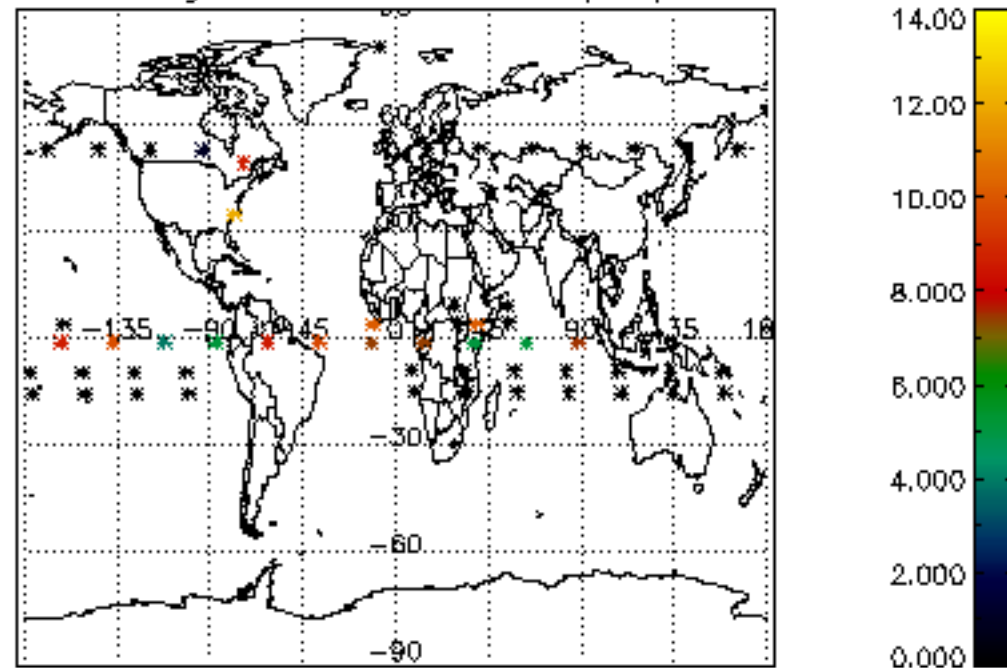
Percentage of datation errors per profile



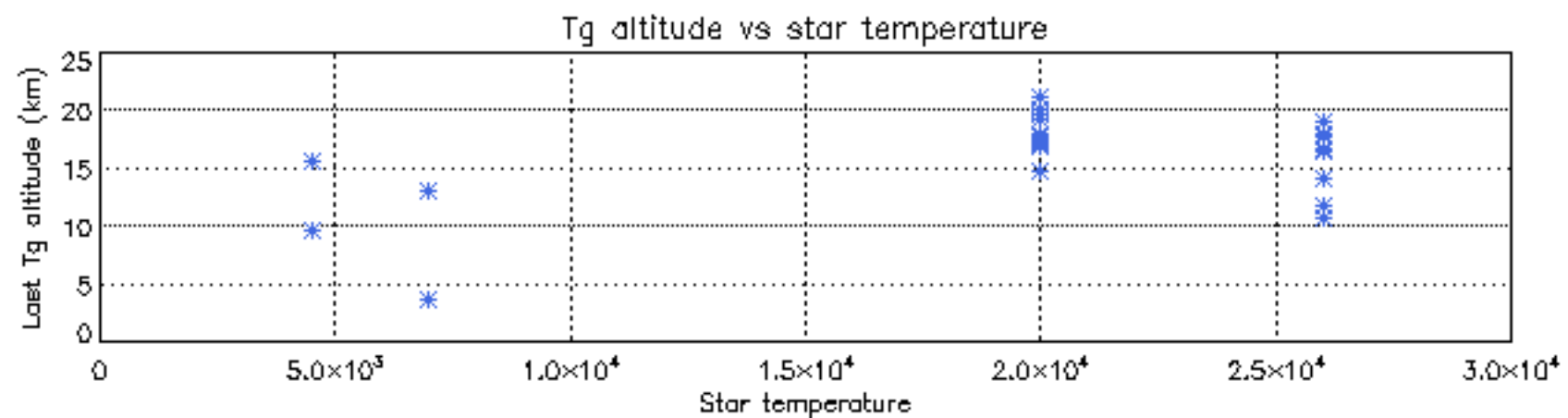
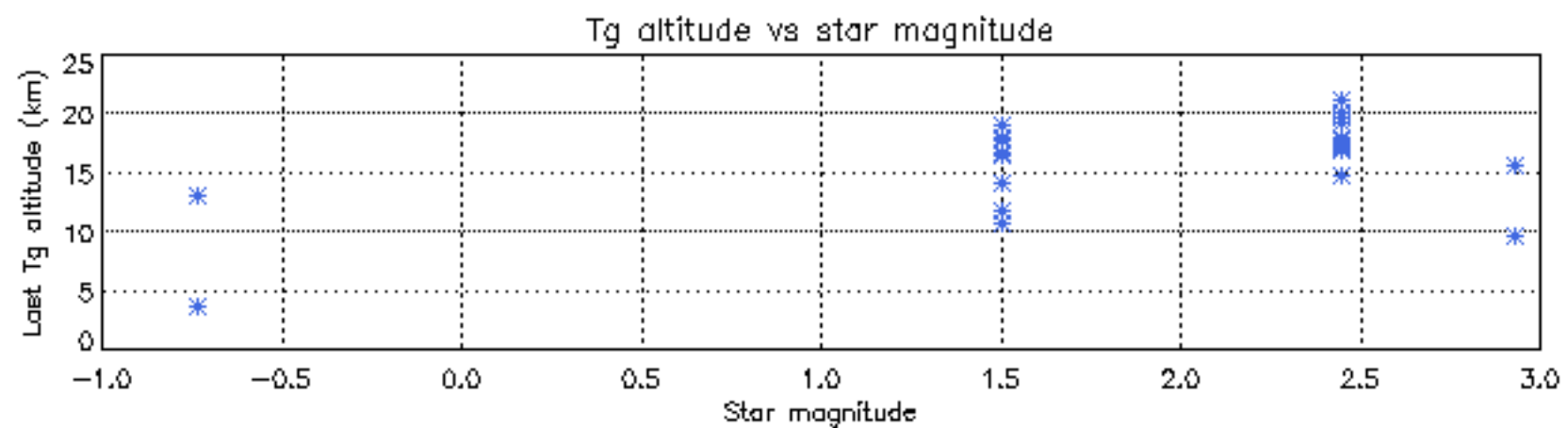
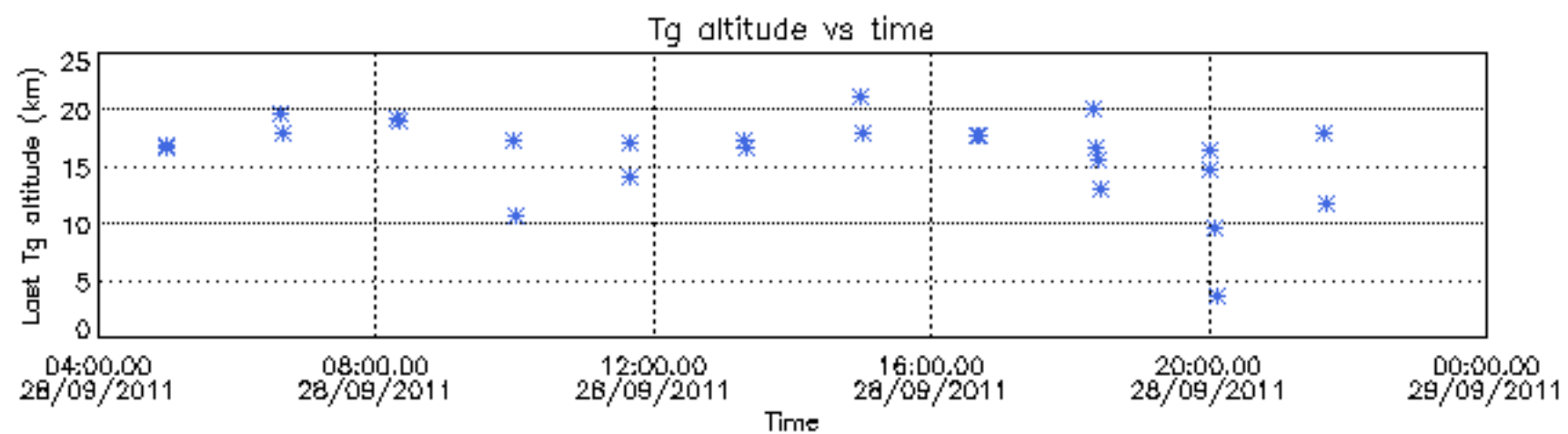
Percentage of star falling outside central band per profile



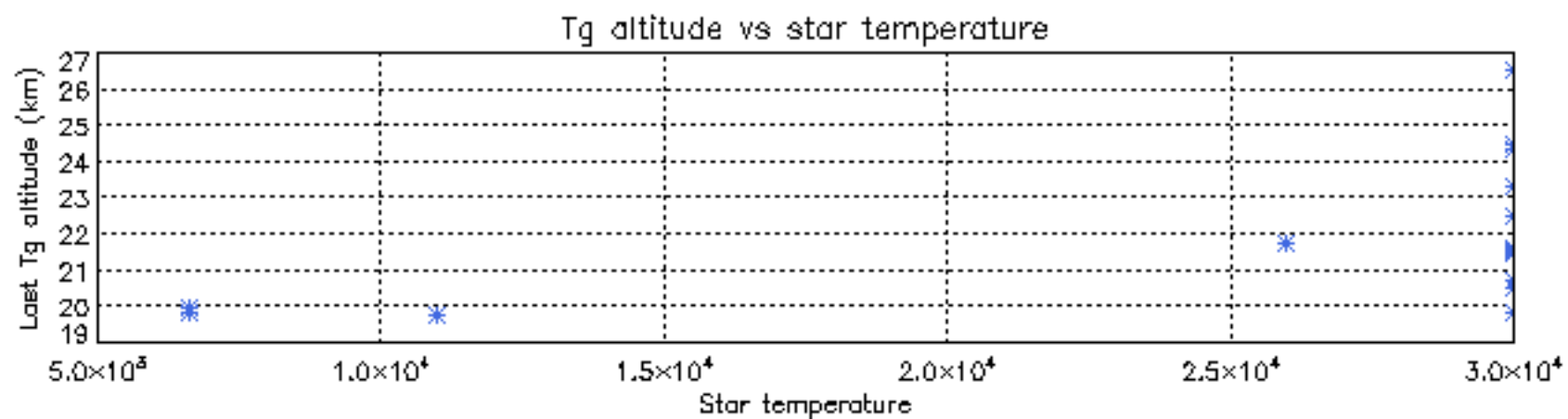
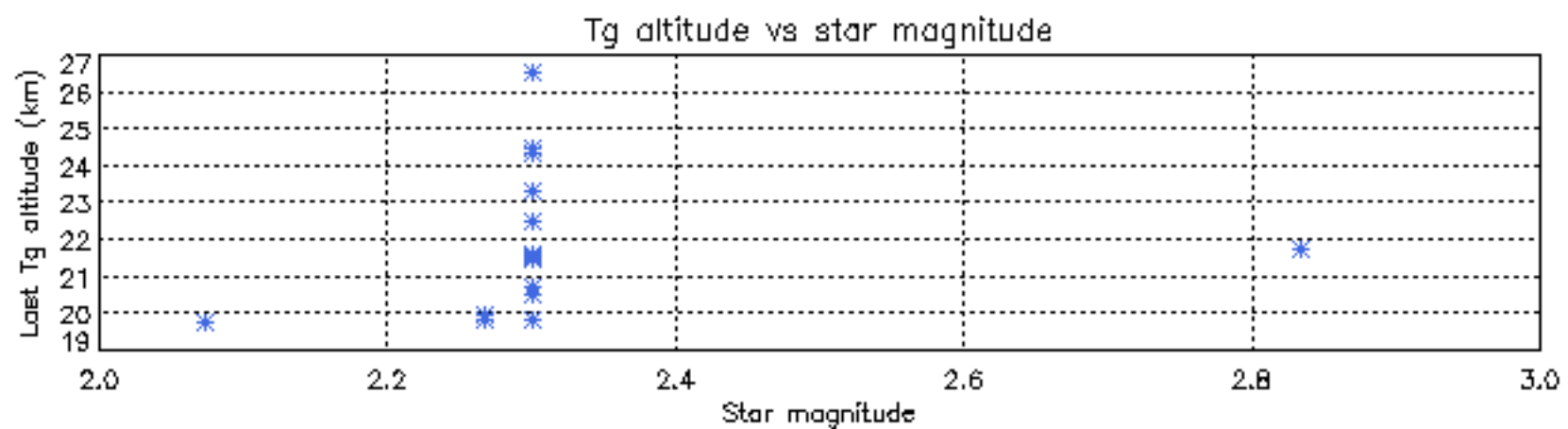
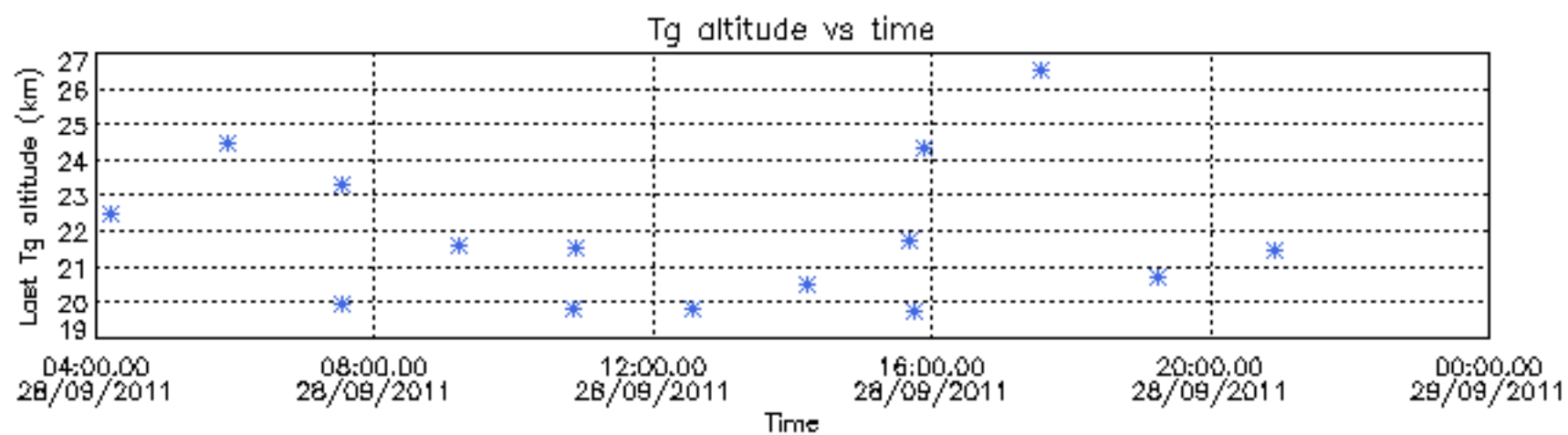
Percentage of saturation errors per profile

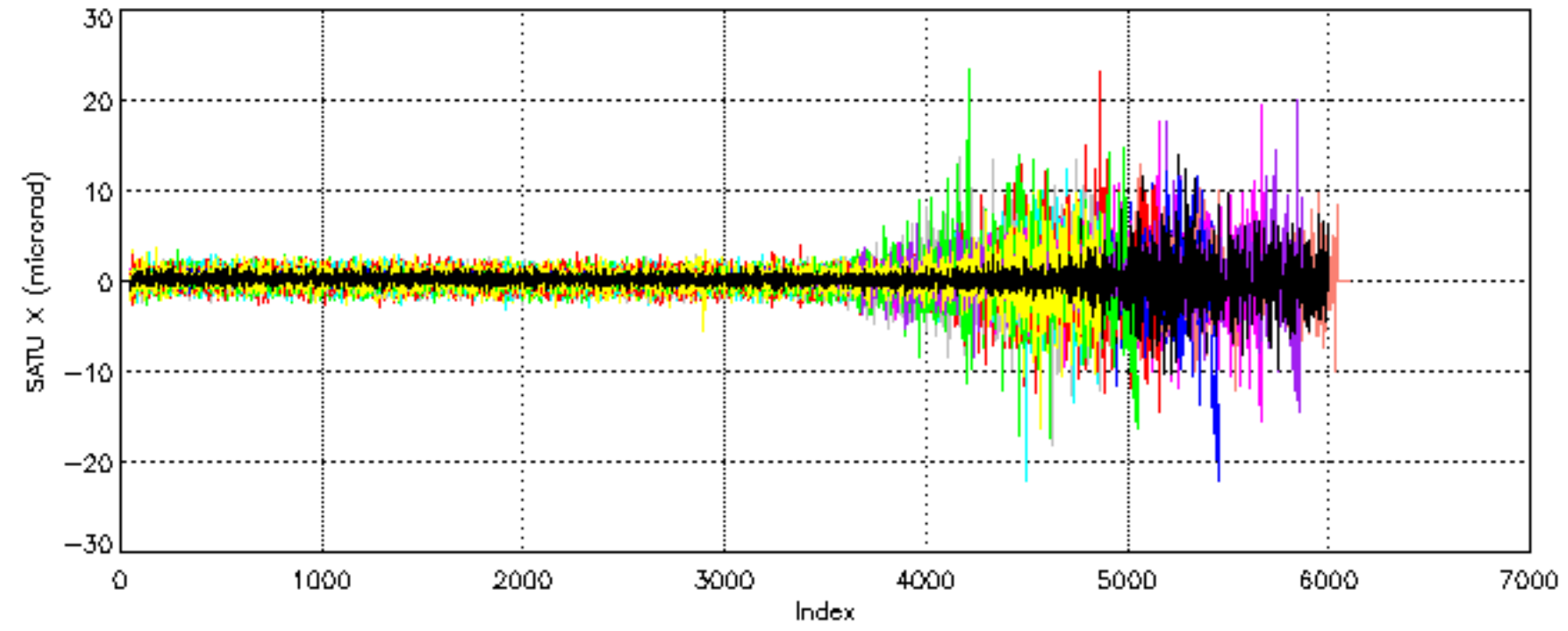


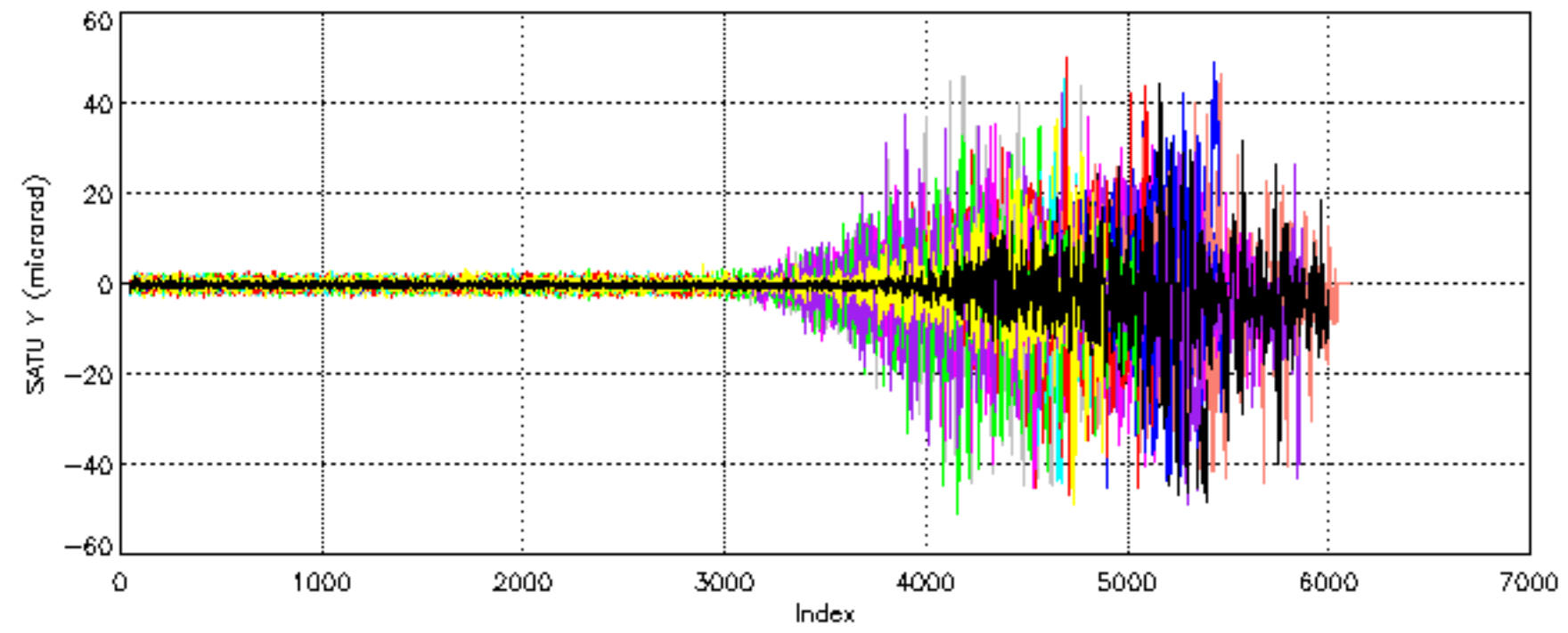
Tangent altitude at which the star is lost

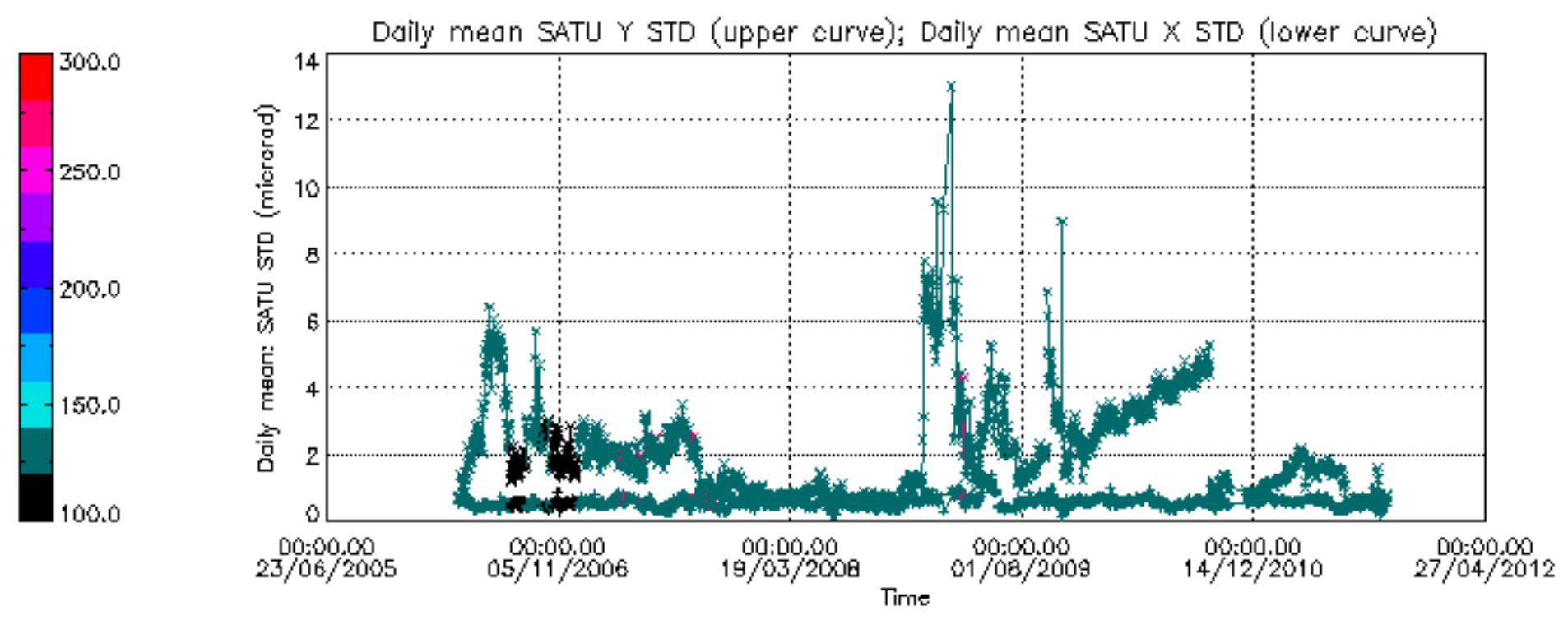


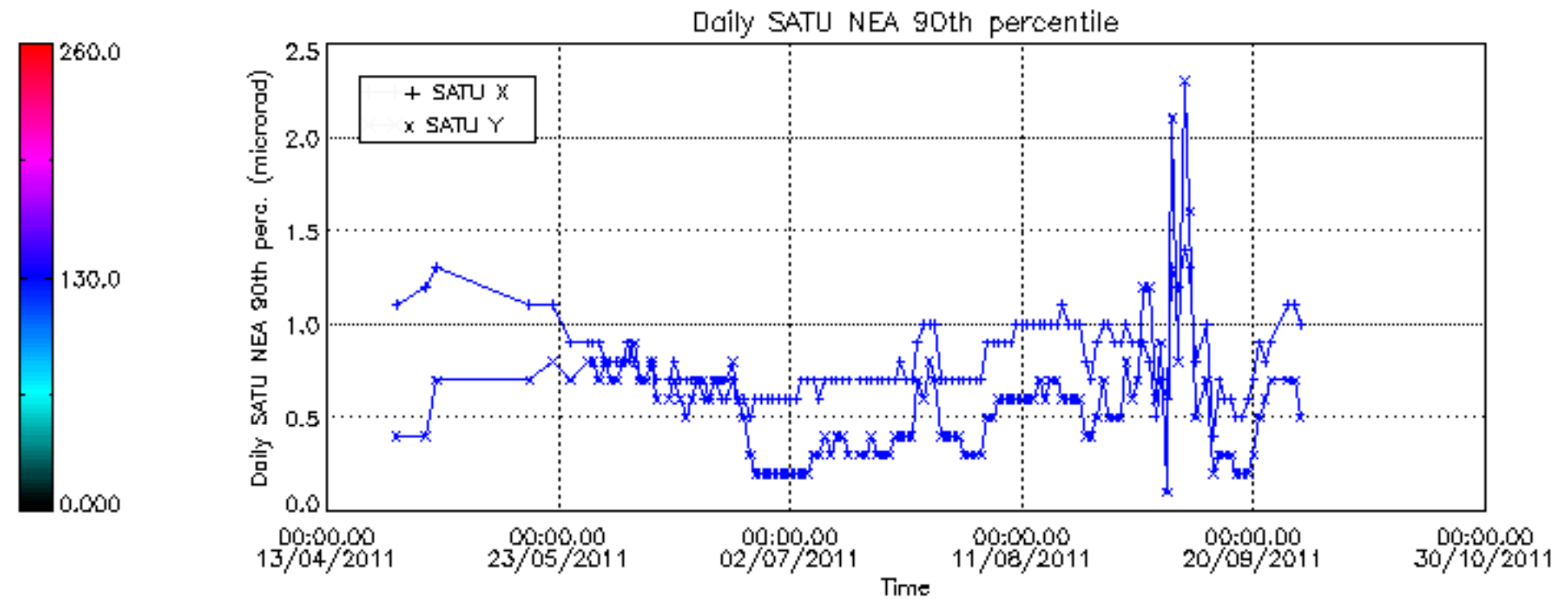
Tangent altitude at which the star is lost











/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

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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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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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1; 976.1; 02-SEP-2011 21:12:59; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;49727
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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110903_000633_000037803106_00145_49728_6423.N1
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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
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110903_014647_000037783106_00146_49729_6424.N1
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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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4; 3098.7; 03-SEP-2011 02:49:03; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 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
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3; 1883.4; 03-SEP-2011 19:11:08; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49740
4; 3092.7; 03-SEP-2011 19:31:17; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;49740
5; 5384.4; 03-SEP-2011 20:09:29; Dark ; 55.0; 1; 9Alp CMA ; -1.44; 11000;occ; 110; 0;49740

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4; 3089.4; 04-SEP-2011 05:32:38; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49746
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3; 1341.7; 06-SEP-2011 00:29:33; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;49772
4; 3074.4; 06-SEP-2011 00:58:26; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49772
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5; 1000.3; 06-SEP-2011 02:04:05; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;49773
6; 1342.0; 06-SEP-2011 02:09:47; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;49773
7; 2198.6; 06-SEP-2011 02:24:04; Bright; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;49773
8; 2450.9; 06-SEP-2011 02:28:16; Bright; 41.0; 164; 44Eta Peg ; 2.95; 5400;occ; 82; 0;49773
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4; -133.5; 06-SEP-2011 21:47:59; Dark ; 48.0; 108; Alp Col ; 2.65; 15200;occ; 96; 0;49784

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2; 2166.5; 14-SEP-2011 20:52:52; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49899
3; 2397.8; 14-SEP-2011 20:56:43; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49899
4; 3011.0; 14-SEP-2011 21:06:56; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49899
5; 3118.1; 14-SEP-2011 21:08:43; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49899
6; 4458.6; 14-SEP-2011 21:31:04; Bright; 56.5; 24; 66Alp Gem ; 1.58; 10200;occ; 113; 0;49899
7; 4977.7; 14-SEP-2011 21:39:43; Dark ; 53.5; 8; 10Alp CMI ; 0.40; 6500;occ; 107; 0;49899
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2; -366.2; 14-SEP-2011 06:48:47; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;49890
3; -138.8; 14-SEP-2011 06:52:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49890
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2; 1055.2; 14-SEP-2011 08:52:42; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;49892
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110914_091115_000049453106_00309_49892_5287.N1
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2; 2399.7; 14-SEP-2011 09:15:07; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;49892
3; 3014.2; 14-SEP-2011 09:25:21; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49892
4; 3122.2; 14-SEP-2011 09:27:09; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;49892
5; 4457.6; 14-SEP-2011 09:49:25; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 0;49892
6; 4974.2; 14-SEP-2011 09:58:01; Dark ; 57.5; 8; 10Alp CMI ; 0.40; 6500;occ; 115; 0;49892
7; 5514.5; 14-SEP-2011 10:07:02; Dark ; 58.0; 1; 9Alp CMA ; -1.44; 11000;occ; 116; 0;49892
8; 5877.0; 14-SEP-2011 10:13:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49892
9; 7069.5; 14-SEP-2011 10:32:57; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49893
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2; 2399.4; 14-SEP-2011 10:55:21; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49893
3; 3013.6; 14-SEP-2011 11:05:35; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49893
4; 3121.6; 14-SEP-2011 11:07:23; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49893
5; 4457.7; 14-SEP-2011 11:29:39; Bright; 44.0; 24; 66Alp Gem ; 1.58; 10200;occ; 88; 0;49893
6; 4974.6; 14-SEP-2011 11:38:16; Dark ; 51.5; 8; 10Alp CMI ; 0.40; 6500;occ; 103; 0;49893
7; 5515.6; 14-SEP-2011 11:47:17; Dark ; 61.0; 1; 9Alp CMA ; -1.44; 11000;occ; 122; 0;49893
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2; 1057.7; 14-SEP-2011 18:54:09; Dark ; 10.5; 84; Alp Phe ; 2.40; 4500;occ; 21; 0;49898
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2; -378.8; 14-SEP-2011 21:50:40; Dark ; 53.0; 47; 2Bet CMA ; 1.98; 28000;occ; 106; 0;49899
3; -130.5; 14-SEP-2011 21:54:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49899
4; 1058.4; 14-SEP-2011 22:14:37; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49900
5; 2166.3; 14-SEP-2011 22:33:05; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49900
6; 2397.6; 14-SEP-2011 22:36:57; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49900
7; 3010.5; 14-SEP-2011 22:47:10; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49900
8; 3117.6; 14-SEP-2011 22:48:57; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49900
9; 4458.6; 14-SEP-2011 23:11:18; Bright; 43.5; 24; 66Alp Gem ; 1.58; 10200;occ; 87; 0;49900
10; 4978.2; 14-SEP-2011 23:19:57; Dark ; 54.0; 8; 10Alp CMI ; 0.40; 6500;occ; 108; 0;49900
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2; -377.6; 14-SEP-2011 23:30:55; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;49900
3; -129.6; 14-SEP-2011 23:35:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49900
4; 1058.8; 14-SEP-2011 23:54:52; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;49901
5; 2166.1; 15-SEP-2011 00:13:19; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49901
6; 2397.4; 15-SEP-2011 00:17:10; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49901
7; 3009.9; 15-SEP-2011 00:27:23; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;49901
8; 3117.1; 15-SEP-2011 00:29:10; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49901
9; 4458.7; 15-SEP-2011 00:51:32; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 0;49901
10; 4978.7; 15-SEP-2011 01:00:12; Dark ; 58.5; 8; 10Alp CMI ; 0.40; 6500;occ; 117; 0;49901
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2; 2166.8; 14-SEP-2011 19:12:38; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49898
3; 2398.1; 14-SEP-2011 19:16:29; Bright; 42.0; 93; 53Bet Peg ; 2.52; 3100;occ; 84; 0;49898
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
6; 4458.4; 14-SEP-2011 19:50:49; Bright; 43.5; 24; 66Alp Gem ; 1.58; 10200;occ; 87; 0;49898
7; 4977.2; 14-SEP-2011 19:59:28; Dark ; 53.5; 8; 10Alp CMI ; 0.40; 6500;occ; 107; 0;49898
8; 5520.7; 14-SEP-2011 20:08:32; Dark ; 64.0; 1; 9Alp CMA ; -1.44; 11000;occ; 128; 0;49898

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9; 5634.1; 14-SEP-2011 20:10:25; Dark ; 53.0; 47; 2Bet CMA ; 1.98; 28000;occ; 106; 0;49898
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3; -128.6; 15-SEP-2011 01:15:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49901
4; 716.6; 15-SEP-2011 01:29:23; Dark ; 53.5; 9; Alp Eri ; 0.45; 24000;occ; 107; 0;49902
5; 1059.1; 15-SEP-2011 01:35:06; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;49902
6; 1516.0; 15-SEP-2011 01:42:43; Dark ; 26.0; 52; 16Bet Cet ; 2.04; 4500;occ; 52; 0;49902
7; 2165.9; 15-SEP-2011 01:53:33; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49902
8; 2397.1; 15-SEP-2011 01:57:24; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49902
9; 2519.6; 15-SEP-2011 01:59:26; Bright; 26.0; 58; 21Alp And ; 2.07; 11000;occ; 52; 0;49902
10; 3009.5; 15-SEP-2011 02:07:36; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49902
11; 3116.5; 15-SEP-2011 02:09:23; Bright; 38.5; 76; 27Gam Cas ; 2.30; 30000;occ; 77; 0;49902
12; 4458.9; 15-SEP-2011 02:31:46; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 0;49902
13; 4979.3; 15-SEP-2011 02:40:26; Dark ; 51.0; 8; 10Alp CMi ; 0.40; 6500;occ; 102; 0;49902
14; 5639.1; 15-SEP-2011 02:51:26; Dark ; 40.0; 47; 2Bet CMA ; 1.98; 28000;occ; 80; 0;49902
15; 5886.2; 15-SEP-2011 02:55:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49902
16; 6731.2; 15-SEP-2011 03:09:38; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;49903
17; 7073.6; 15-SEP-2011 03:15:20; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;49903
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19; 8179.8; 15-SEP-2011 03:33:47; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49903
20; 8410.7; 15-SEP-2011 03:37:38; Bright; 58.0; 93; 53Bet Peg ; 2.52; 3100;occ; 116; 0;49903
21; 8532.9; 15-SEP-2011 03:39:40; Bright; 26.0; 58; 21Alp And ; 2.07; 11000;occ; 52; 0;49903
22; 9023.1; 15-SEP-2011 03:47:50; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;49903
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3; -487.9; 15-SEP-2011 04:29:47; Dark ; 60.5; 1; 9Alp CMA ; -1.44; 11000;occ; 121; 0;49903
4; -373.5; 15-SEP-2011 04:31:41; Dark ; 40.0; 47; 2Bet CMA ; 1.98; 28000;occ; 80; 0;49903
5; -126.8; 15-SEP-2011 04:35:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49903
6; 717.7; 15-SEP-2011 04:49:52; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;49904
7; 1059.9; 15-SEP-2011 04:55:35; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;49904
8; 1516.3; 15-SEP-2011 05:03:11; Dark ; 31.0; 52; 16Bet Cet ; 2.04; 4500;occ; 62; 0;49904
9; 2165.6; 15-SEP-2011 05:14:00; Bright; 40.5; 90; 54Alp Peg ; 2.49; 11000;occ; 81; 0;49904
10; 2396.7; 15-SEP-2011 05:17:51; Bright; 42.0; 93; 53Bet Peg ; 2.52; 3100;occ; 84; 0;49904
11; 2518.4; 15-SEP-2011 05:19:53; Bright; 33.0; 58; 21Alp And ; 2.07; 11000;occ; 66; 0;49904
12; 3008.8; 15-SEP-2011 05:28:04; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49904
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3; -486.8; 15-SEP-2011 06:10:02; Dark ; 59.0; 1; 9Alp CMA ; -1.44; 11000;occ; 118; 0;49904
4; -372.3; 15-SEP-2011 06:11:56; Dark ; 34.0; 47; 2Bet CMA ; 1.98; 28000;occ; 68; 0;49904
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6; 718.2; 15-SEP-2011 06:30:07; Dark ; 52.0; 9; Alp Eri ; 0.45; 24000;occ; 104; 0;49905
7; 1060.3; 15-SEP-2011 06:35:49; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49905
8; 1516.3; 15-SEP-2011 06:43:25; Dark ; 31.0; 52; 16Bet Cet ; 2.04; 4500;occ; 62; 0;49905
9; 2165.3; 15-SEP-2011 06:54:14; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49905
10; 2396.5; 15-SEP-2011 06:58:05; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49905
11; 2517.6; 15-SEP-2011 07:00:06; Bright; 33.0; 58; 21Alp And ; 2.07; 11000;occ; 66; 0;49905
12; 3008.4; 15-SEP-2011 07:08:17; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49905
13; 3114.8; 15-SEP-2011 07:10:04; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;49905
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2; 1517.6; 15-SEP-2011 20:05:18; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;49913
3; 2164.1; 15-SEP-2011 20:16:05; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49913
4; 2394.4; 15-SEP-2011 20:19:55; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49913
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
7; 3110.0; 15-SEP-2011 20:31:51; Bright; 63.0; 76; 27Gam Cas ; 2.30; 30000;occ; 126; 0;49913
8; 4460.3; 15-SEP-2011 20:54:21; Bright; 45.0; 24; 66Alp Gem ; 1.58; 10200;occ; 90; 0;49913
9; 4985.0; 15-SEP-2011 21:03:06; Dark ; 52.5; 8; 10Alp CMi ; 0.40; 6500;occ; 105; 0;49913
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2; -346.2; 15-SEP-2011 22:54:42; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;49914
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4; 722.9; 15-SEP-2011 23:12:31; Dark ; 41.5; 9; Alp Eri ; 0.45; 24000;occ; 83; 0;49915
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6; 1517.8; 15-SEP-2011 23:25:46; Dark ; 59.0; 52; 16Bet Cet ; 2.04; 4500;occ; 118; 0;49915
7; 2163.7; 15-SEP-2011 23:36:32; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49915
8; 2393.9; 15-SEP-2011 23:40:22; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;49915
9; 2511.0; 15-SEP-2011 23:42:19; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49915
10; 3003.7; 15-SEP-2011 23:50:32; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49915
11; 3109.1; 15-SEP-2011 23:52:18; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49915
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4; -371.0; 15-SEP-2011 07:52:12; Dark ; 34.0; 47; 2Bet CMA ; 1.98; 28000;occ; 68; 0;49905
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2; 2395.6; 15-SEP-2011 11:58:46; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49908
3; 2515.6; 15-SEP-2011 12:00:46; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49908
4; 3006.8; 15-SEP-2011 12:08:57; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49908
5; 3113.0; 15-SEP-2011 12:10:44; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;49908
6; 4459.6; 15-SEP-2011 12:33:10; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 0;49908
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5; 2994.4; 17-SEP-2011 14:15:44; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49938
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4; 2495.8; 17-SEP-2011 17:27:53; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49940
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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; 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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9; 5713.9; 19-SEP-2011 12:07:20; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;49965
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11; 7097.9; 19-SEP-2011 12:30:24; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49966
12; 7539.4; 19-SEP-2011 12:37:46; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;49966
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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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2; 2157.5; 19-SEP-2011 16:08:46; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49968
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
10; 4468.2; 20-SEP-2011 02:48:40; Bright; 47.5; 24; 66Alp Gem ; 1.58; 10200;occ; 95; 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
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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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8; 2470.3; 20-SEP-2011 23:58:24; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;49987
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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3; -401.3; 20-SEP-2011 08:08:27; Dark ; 28.0; 1; 9Alp CMA ; -1.44; 11000;occ; 56; 1;49977
4; -288.6; 20-SEP-2011 08:10:20; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 1;49977
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
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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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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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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
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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
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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; 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
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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
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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
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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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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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2; 2944.4; 27-SEP-2011 13:08:11; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;50081
3; 3029.2; 27-SEP-2011 13:09:35; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50081
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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1; 886.4; 28-SEP-2011 03:35:58; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50090
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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1; 894.0; 28-SEP-2011 20:18:26; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50100
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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1; -254.0; 28-SEP-2011 21:39:31; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50100
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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1; -263.1; 28-SEP-2011 06:37:17; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50091
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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1; 2940.9; 28-SEP-2011 10:51:09; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50094
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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1; -2990.6; 28-SEP-2011 12:32:45; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50095
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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1; -2991.0; 28-SEP-2011 14:12:59; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;50096
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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1;-2992.3; 28-SEP-2011 19:13:39; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;50099
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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1; 905.5; 29-SEP-2011 23:02:20; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;50116
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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1; 906.4; 30-SEP-2011 00:42:35; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50117
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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1; 908.2; 30-SEP-2011 04:03:05; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50119
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