

GOMOS Daily Report 20-SEP-2011

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	23SEP2011 07:02:28
Data source version	GOMOS/6.01
Start time of products	20SEP2011 00:12:04
Stop time of products	20SEP2011 23:58:24
Store outputs in DB	Yes
Nb of level 1b prods	148
Nb of prods with errors	0

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

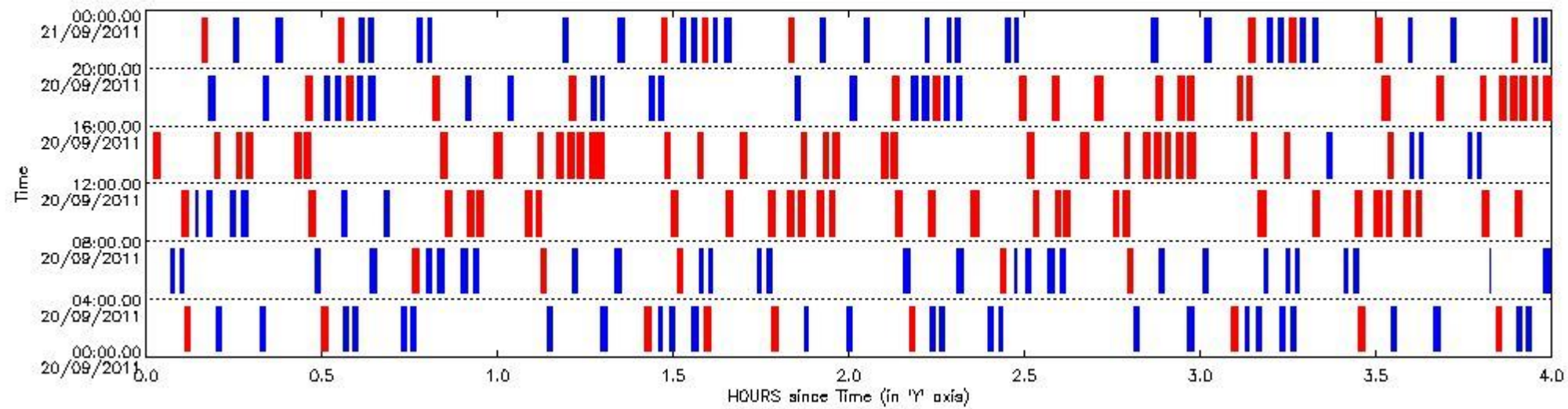
2.1 Level 0 products arrived in PCF (see template [here](#))

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
20-SEP-2011 00:06:33	AlpEri	9	49973
20-SEP-2011 00:29:59	54AlpPeg	90	49973
20-SEP-2011 01:25:04	15RhoPup	132	49973
20-SEP-2011 01:35:20	AlpCar	2	49974
20-SEP-2011 01:46:48	AlpEri	9	49974
20-SEP-2011 02:10:13	54AlpPeg	90	49974
20-SEP-2011 03:05:19	15RhoPup	132	49974
20-SEP-2011 03:27:02	AlpEri	9	49975
20-SEP-2011 03:50:27	54AlpPeg	90	49975
20-SEP-2011 04:45:33	15RhoPup	132	49975
20-SEP-2011 05:07:17	AlpEri	9	49976
20-SEP-2011 05:30:41	54AlpPeg	90	49976
20-SEP-2011 06:25:48	15RhoPup	132	49976
20-SEP-2011 06:47:31	AlpEri	9	49977
20-SEP-2011 08:06:02	15RhoPup	132	49977

20-SEP-2011 08:27:45	AlpEri	9	49978
20-SEP-2011 08:51:09	54AlpPeg	90	49978
20-SEP-2011 08:54:54	53BetPeg	93	49978
20-SEP-2011 08:56:27	21AlpAnd	58	49978
20-SEP-2011 09:04:51	11BetCas	74	49978
20-SEP-2011 09:06:28	27GamCas	76	49978
20-SEP-2011 09:29:41	66AlpGem	24	49978
20-SEP-2011 09:38:56	10AlpCMi	8	49978
20-SEP-2011 09:46:17	15RhoPup	132	49978
20-SEP-2011 09:49:30	25DelCMa	37	49978
20-SEP-2011 09:51:25	PiPup	117	49978
20-SEP-2011 09:54:33	DSA1059	0	49978
20-SEP-2011 09:56:34	AlpCar	2	49979
20-SEP-2011 10:08:00	AlpEri	9	49979
20-SEP-2011 10:13:35	AlpPhe	84	49979
20-SEP-2011 10:20:53	16BetCet	52	49979
20-SEP-2011 10:31:23	54AlpPeg	90	49979
20-SEP-2011 10:35:08	53BetPeg	93	49979
20-SEP-2011 10:36:40	21AlpAnd	58	49979
20-SEP-2011 10:45:04	11BetCas	74	49979
20-SEP-2011 10:46:42	27GamCas	76	49979
20-SEP-2011 11:09:55	66AlpGem	24	49979
20-SEP-2011 11:19:11	10AlpCMi	8	49979
20-SEP-2011 11:26:32	15RhoPup	132	49979
20-SEP-2011 11:29:45	25DelCMa	37	49979
20-SEP-2011 11:31:40	PiPup	117	49979
20-SEP-2011 11:34:48	DSA1059	0	49979
20-SEP-2011 11:36:48	AlpCar	2	49980
20-SEP-2011 11:48:14	AlpEri	9	49980
20-SEP-2011 11:53:49	AlpPhe	84	49980
20-SEP-2011 12:01:08	16BetCet	52	49980
20-SEP-2011 12:11:36	54AlpPeg	90	49980
20-SEP-2011 12:15:22	53BetPeg	93	49980
20-SEP-2011 12:16:54	21AlpAnd	58	49980
20-SEP-2011 12:25:18	11BetCas	74	49980
20-SEP-2011 12:26:55	27GamCas	76	49980
20-SEP-2011 12:50:09	66AlpGem	24	49980
20-SEP-2011 12:59:25	10AlpCMi	8	49980
20-SEP-2011 13:06:46	15RhoPup	132	49980
20-SEP-2011 13:10:00	25DelCMa	37	49980
20-SEP-2011 13:11:55	PiPup	117	49980
20-SEP-2011 13:13:41	DSA1055	0	49980
20-SEP-2011 13:15:41	TauPup	161	49980
20-SEP-2011 13:17:03	AlpCar	2	49981
20-SEP-2011 13:28:29	AlpEri	9	49981
20-SEP-2011 13:34:03	AlpPhe	84	49981
20-SEP-2011 13:41:22	16BetCet	52	49981
20-SEP-2011 13:51:50	54AlpPeg	90	49981
20-SEP-2011 13:55:36	53BetPeg	93	49981
20-SEP-2011 13:57:07	21AlpAnd	58	49981
20-SEP-2011 14:05:31	11BetCas	74	49981
20-SEP-2011 14:07:09	27GamCas	76	49981
20-SEP-2011 14:30:23	66AlpGem	24	49981
20-SEP-2011 14:39:40	10AlpCMi	8	49981
20-SEP-2011 14:47:01	15RhoPup	132	49981
20-SEP-2011 14:50:15	25DelCMa	37	49981
20-SEP-2011 14:52:10	PiPup	117	49981
20-SEP-2011 14:53:55	DSA1055	0	49981
20-SEP-2011 14:55:56	TauPup	161	49981

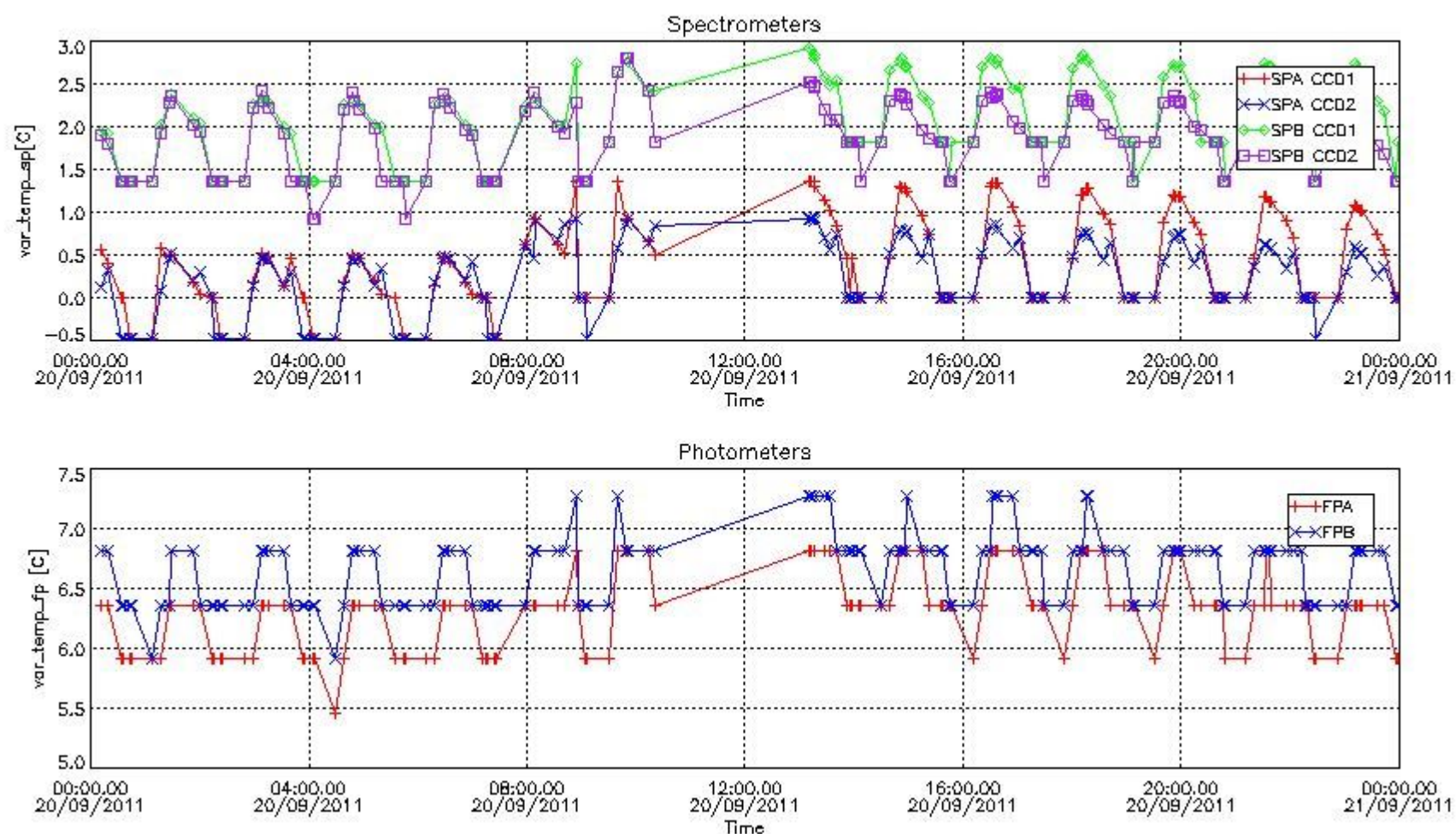
20-SEP-2011 14:57:52	AlpCol	108	49982
20-SEP-2011 15:08:43	AlpEri	9	49982
20-SEP-2011 15:14:18	AlpPhe	84	49982
20-SEP-2011 15:32:04	54AlpPeg	90	49982
20-SEP-2011 16:27:15	15RhoPup	132	49982
20-SEP-2011 16:34:10	DSA1055	0	49982
20-SEP-2011 16:48:58	AlpEri	9	49983
20-SEP-2011 17:12:18	54AlpPeg	90	49983
20-SEP-2011 18:07:30	15RhoPup	132	49983
20-SEP-2011 18:14:24	DSA1055	0	49983
20-SEP-2011 18:29:12	AlpEri	9	49984
20-SEP-2011 18:34:46	AlpPhe	84	49984
20-SEP-2011 18:42:04	16BetCet	52	49984
20-SEP-2011 18:52:32	54AlpPeg	90	49984
20-SEP-2011 18:56:17	53BetPeg	93	49984
20-SEP-2011 18:57:48	21AlpAnd	58	49984
20-SEP-2011 19:06:12	11BetCas	74	49984
20-SEP-2011 19:07:49	27GamCas	76	49984
20-SEP-2011 19:31:06	66AlpGem	24	49984
20-SEP-2011 19:40:24	10AlpCMi	8	49984
20-SEP-2011 19:47:44	15RhoPup	132	49984
20-SEP-2011 19:51:00	25DelCMa	37	49984
20-SEP-2011 19:52:54	PiPup	117	49984
20-SEP-2011 19:54:39	DSA1055	0	49984
20-SEP-2011 19:56:40	TauPup	161	49984
20-SEP-2011 19:58:38	AlpCol	108	49985
20-SEP-2011 20:09:26	AlpEri	9	49985
20-SEP-2011 20:32:46	54AlpPeg	90	49985
20-SEP-2011 21:27:59	15RhoPup	132	49985
20-SEP-2011 21:34:54	DSA1055	0	49985
20-SEP-2011 21:49:41	AlpEri	9	49986
20-SEP-2011 23:08:13	15RhoPup	132	49986
20-SEP-2011 23:15:08	DSA1055	0	49986
20-SEP-2011 23:29:55	AlpEri	9	49987
20-SEP-2011 23:53:14	54AlpPeg	90	49987

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_1PNPDE20110920_001204_000000453106_00390_49973_9090.N1	20-SEP-2011 00:12:04	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	49973	No
2	GOM_TRA_1PNPDE20110920_001925_000000533106_00390_49973_9091.N1	20-SEP-2011 00:19:25	Twilight_stray	52.500	52	16Bet Cet	2.0370	4500.0	105	49973	No
3	GOM_TRA_1PNPDE20110920_003341_000000413106_00390_49973_9092.N1	20-SEP-2011 00:33:41	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	49973	No
4	GOM_TRA_1PNPDE20110920_003516_000000463106_00390_49973_9093.N1	20-SEP-2011 00:35:16	Bright	45.500	58	21Alp And	2.0730	11000.	91	49973	No
5	GOM_TRA_1PNPDE20110920_004339_000000383106_00390_49973_9094.N1	20-SEP-2011 00:43:39	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	49973	No
6	GOM_TRA_1PNPDE20110920_004517_000000433106_00390_49973_9095.N1	20-SEP-2011 00:45:17	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	49973	No
7	GOM_TRA_1PNPDE20110920_010826_000000473106_00390_49973_9096.N1	20-SEP-2011 01:08:26	Bright	47.000	24	66Alp Gem	1.5800	10200.	94	49973	No
8	GOM_TRA_1PNPDE20110920_011739_000000623106_00390_49973_9097.N1	20-SEP-2011 01:17:39	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	49973	No
9	GOM_TRA_1PNPDE20110920_012726_000000413106_00390_49973_9148.N1	20-SEP-2011 01:27:26	Dark	41.000	1	9Alp CMa	-1.4400	11000.	82	49973	No
10	GOM_TRA_1PNPDE20110920_012920_000000523106_00390_49973_9149.N1	20-SEP-2011 01:29:20	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	49973	No
11	GOM_TRA_1PNPDE20110920_015219_000000443106_00391_49974_9150.N1	20-SEP-2011 01:52:19	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	49974	No
12	GOM_TRA_1PNPDE20110920_015939_000000503106_00391_49974_9151.N1	20-SEP-2011 01:59:39	Twilight_stray	50.000	52	16Bet Cet	2.0370	4500.0	100	49974	No
13	GOM_TRA_1PNPDE20110920_021355_000000393106_00391_49974_9152.N1	20-SEP-2011 02:13:55	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	49974	No
14	GOM_TRA_1PNPDE20110920_021529_000000463106_00391_49974_9153.N1	20-SEP-2011 02:15:29	Bright	46.000	58	21Alp And	2.0730	11000.	92	49974	No
15	GOM_TRA_1PNPDE20110920_022352_000000383106_00391_49974_9154.N1	20-SEP-2011 02:23:52	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	49974	No
16	GOM_TRA_1PNPDE20110920_022530_000000393106_00391_49974_9155.N1	20-SEP-2011 02:25:30	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	49974	No
17	GOM_TRA_1PNPDE20110920_024840_000000483106_00391_49974_9156.N1	20-SEP-2011 02:48:40	Bright	47.500	24	66Alp Gem	1.5800	10200.	95	49974	No
18	GOM_TRA_1PNPDE20110920_025753_000000643106_00391_49974_9157.N1	20-SEP-2011 02:57:53	Dark	63.500	8	10Alp CMi	0.40000	6500.0	127	49974	No
19	GOM_TRA_1PNPDE20110920_030741_000000353106_00391_49974_9158.N1	20-SEP-2011 03:07:41	Dark	35.000	1	9Alp CMa	-1.4400	11000.	70	49974	No

138	GOM_TRA_1PNPDE20110920_222812_000000423106_00403_49986_9385.N1	20-SEP-2011 22:28:12	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	49986	No
139	GOM_TRA_1PNPDE20110920_225130_000000643106_00403_49986_9386.N1	20-SEP-2011 22:51:30	Bright	63.500	24	66Alp Gem	1.5800	10200.	127	49986	No
140	GOM_TRA_1PNPDE20110920_230049_000000563106_00403_49986_9387.N1	20-SEP-2011 23:00:49	Dark	56.000	8	10Alp CMi	0.40000	6500.0	112	49986	No
141	GOM_TRA_1PNPDE20110920_231125_000000523106_00403_49986_9417.N1	20-SEP-2011 23:11:25	Dark	52.000	37	25Del CMa	1.8300	5900.0	104	49986	No
142	GOM_TRA_1PNPDE20110920_231319_000000503106_00403_49986_9418.N1	20-SEP-2011 23:13:19	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	49986	No
143	GOM_TRA_1PNPDE20110920_231705_000000443106_00403_49986_9419.N1	20-SEP-2011 23:17:05	Dark	43.500	161	Tau Pup	2.9310	4500.0	87	49986	No
144	GOM_TRA_1PNPDE20110920_231904_000000543106_00404_49987_9420.N1	20-SEP-2011 23:19:04	Dark	54.000	108	Alp Col	2.6520	15200.	108	49987	No
145	GOM_TRA_1PNPDE20110920_233525_000000433106_00404_49987_9421.N1	20-SEP-2011 23:35:25	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	49987	No
146	GOM_TRA_1PNPDE20110920_234242_000000523106_00404_49987_9422.N1	20-SEP-2011 23:42:42	Twilight_stray	51.500	52	16Bet Cet	2.0370	4500.0	103	49987	No
147	GOM_TRA_1PNPDE20110920_235654_000000403106_00404_49987_9423.N1	20-SEP-2011 23:56:54	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	49987	No
148	GOM_TRA_1PNPDE20110920_235824_000000443106_00404_49987_9424.N1	20-SEP-2011 23:58:24	Bright	44.000	58	21Alp And	2.0730	11000.	88	49987	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).

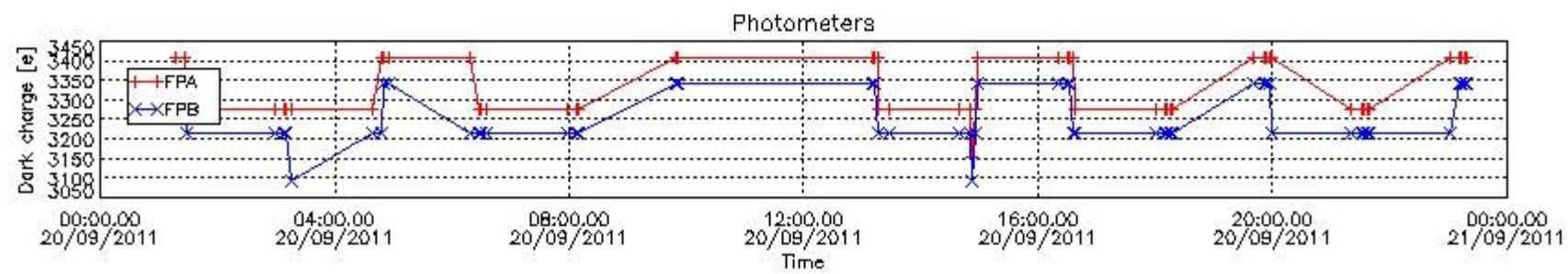
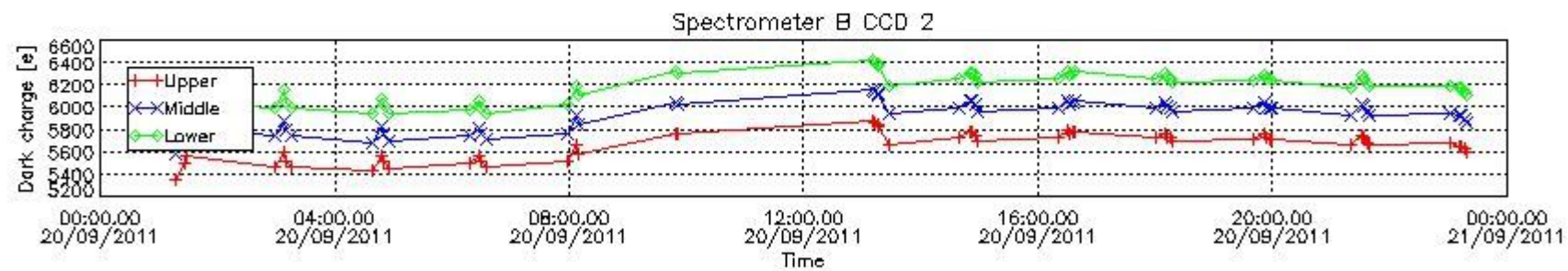
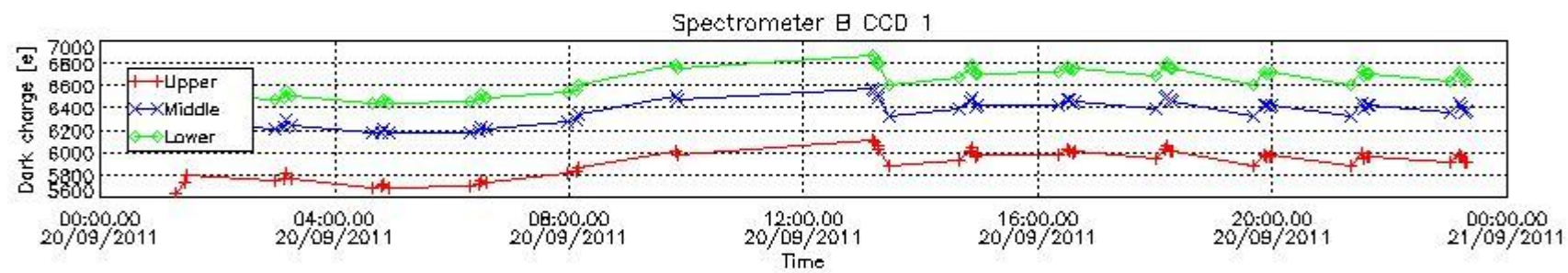
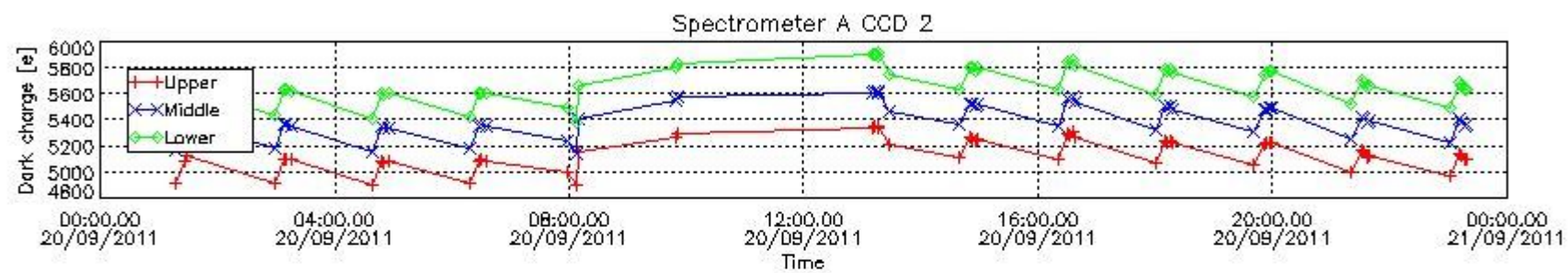
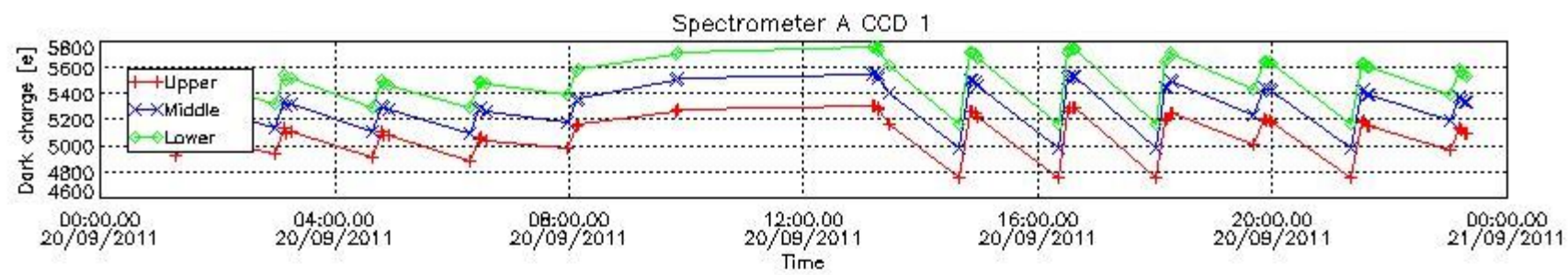
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDK20110920_130956_000000513106_00397_49980_7775.N1	DC map used
GOM_TRA_1PNPDK20110920_131151_000000503106_00397_49980_7776.N1	DC map used
GOM_TRA_1PNPDK20110920_131537_000000503106_00397_49980_7777.N1	DC map used
GOM_TRA_1PNPDK20110920_131659_000000453106_00398_49981_7778.N1	DC map used
GOM_TRA_1PNPDK20110920_132824_000000433106_00398_49981_7779.N1	DC map used
GOM_TRA_1PNPDK20110920_133359_000000493106_00398_49981_7780.N1	DC map used
GOM_TRA_1PNPDK20110920_134117_000000543106_00398_49981_8100.N1	DC map used
GOM_TRA_1PNPDK20110920_135146_000000373106_00398_49981_8101.N1	DC map used
GOM_TRA_1PNPDK20110920_135531_000000383106_00398_49981_8102.N1	DC map used
GOM_TRA_1PNPDK20110920_135703_000000433106_00398_49981_8103.N1	DC map used
GOM_TRA_1PNPDK20110920_140527_000000403106_00398_49981_8104.N1	DC map used
GOM_TRA_1PNPDK20110920_140705_000000423106_00398_49981_8105.N1	DC map used
GOM_TRA_1PNPDK20110920_143019_000000493106_00398_49981_8106.N1	DC map used
GOM_TRA_1PNPDK20110920_143936_000000563106_00398_49981_8107.N1	DC map used
GOM_TRA_1PNPDK20110920_145011_000000473106_00398_49981_8108.N1	DC map used
GOM_TRA_1PNPDK20110920_145205_000000443106_00398_49981_8109.N1	DC map used
GOM_TRA_1PNPDK20110920_145552_000000493106_00398_49981_8110.N1	DC map used
GOM_TRA_1PNPDK20110920_145748_000000563106_00399_49982_8111.N1	DC map used
GOM_TRA_1PNPDK20110920_151413_000000473106_00399_49982_8112.N1	DC map used
GOM_TRA_1PNPDK20110920_152132_000000553106_00399_49982_7642.N1	DC map used
GOM_TRA_1PNPDK20110920_153545_000000383106_00399_49982_7643.N1	DC map used
GOM_TRA_1PNPDK20110920_153717_000000433106_00399_49982_7644.N1	DC map used
GOM_TRA_1PNPDK20110920_154541_000000413106_00399_49982_7645.N1	DC map used
GOM_TRA_1PNPDK20110920_154718_000000393106_00399_49982_7646.N1	DC map used
GOM_TRA_1PNPDK20110920_161033_000000683106_00399_49982_7647.N1	DC map used
GOM_TRA_1PNPDK20110920_161951_000000583106_00399_49982_7648.N1	DC map used
GOM_TRA_1PNPDK20110920_163026_000000483106_00399_49982_7649.N1	DC map used
GOM_TRA_1PNPDK20110920_163220_000000453106_00399_49982_7650.N1	DC map used
GOM_TRA_1PNPDK20110920_163606_000000423106_00399_49982_7651.N1	DC map used
GOM_TRA_1PNPDK20110920_163803_000000563106_00400_49983_7652.N1	DC map used
GOM_TRA_1PNPDK20110920_165428_000000473106_00400_49983_7653.N1	DC map used
GOM_TRA_1PNPDK20110920_170146_000000553106_00400_49983_7665.N1	DC map used
GOM_TRA_1PNPDK20110920_171559_000000413106_00400_49983_7666.N1	DC map used
GOM_TRA_1PNPDK20110920_171730_000000453106_00400_49983_7667.N1	DC map used
GOM_TRA_1PNPDK20110920_172554_000000413106_00400_49983_7668.N1	DC map used
GOM_TRA_1PNPDK20110920_172732_000000433106_00400_49983_7669.N1	DC map used
GOM_TRA_1PNPDK20110920_175047_000000483106_00400_49983_7670.N1	DC map used
GOM_TRA_1PNPDK20110920_180005_000000653106_00400_49983_7671.N1	DC map used
GOM_TRA_1PNPDK20110920_181041_000000553106_00400_49983_7672.N1	DC map used
GOM_TRA_1PNPDK20110920_181235_000000573106_00400_49983_7673.N1	DC map used
GOM_TRA_1PNPDK20110920_181621_000000413106_00400_49983_7674.N1	DC map used
GOM_TRA_1PNPDK20110920_181819_000000533106_00401_49984_7675.N1	DC map used
GOM_TRA_1PNPDK20110920_183442_000000463106_00401_49984_7699.N1	DC map used
GOM_TRA_1PNPDK20110920_184200_000000553106_00401_49984_7700.N1	DC map used
GOM_TRA_1PNPDK20110920_185613_000000383106_00401_49984_7701.N1	DC map used
GOM_TRA_1PNPDK20110920_185744_000000443106_00401_49984_7702.N1	DC map used
GOM_TRA_1PNPDK20110920_190608_000000403106_00401_49984_7703.N1	DC map used
GOM_TRA_1PNPDK20110920_190745_000000433106_00401_49984_7704.N1	DC map used
GOM_TRA_1PNPDK20110920_193101_000000493106_00401_49984_7705.N1	DC map used
GOM_TRA_1PNPDK20110920_194020_000000653106_00401_49984_7706.N1	DC map used
GOM_TRA_1PNPDK20110920_195056_000000503106_00401_49984_7707.N1	DC map used
GOM_TRA_1PNPDK20110920_195250_000000483106_00401_49984_7708.N1	DC map used
GOM_TRA_1PNPDK20110920_195636_000000413106_00401_49984_7709.N1	DC map used
GOM_TRA_1PNPDK20110920_195834_000000553106_00402_49985_7710.N1	DC map used
GOM_TRA_1PNPDE20110920_201456_000000423106_00402_49985_9355.N1	DC map used
GOM_TRA_1PNPDE20110920_202214_000000543106_00402_49985_9356.N1	DC map used
GOM_TRA_1PNPDE20110920_203627_000000393106_00402_49985_9357.N1	DC map used
GOM_TRA_1PNPDE20110920_203757_000000453106_00402_49985_9358.N1	DC map used

GOM_TRA_1PNPDE20110920_204622_000000413106_00402_49985_9359.N1	DC map used
GOM_TRA_1PNPDE20110920_204759_000000423106_00402_49985_9360.N1	DC map used
GOM_TRA_1PNPDE20110920_211115_000000503106_00402_49985_9361.N1	DC map used
GOM_TRA_1PNPDE20110920_212034_000000603106_00402_49985_9362.N1	DC map used
GOM_TRA_1PNPDE20110920_213110_000000593106_00402_49985_9375.N1	DC map used
GOM_TRA_1PNPDE20110920_213304_000000513106_00402_49985_9376.N1	DC map used
GOM_TRA_1PNPDE20110920_213650_000000423106_00402_49985_9377.N1	DC map used
GOM_TRA_1PNPDE20110920_213849_000000563106_00403_49986_9378.N1	DC map used
GOM_TRA_1PNPDE20110920_215511_000000423106_00403_49986_9379.N1	DC map used
GOM_TRA_1PNPDE20110920_220228_000000533106_00403_49986_9380.N1	DC map used
GOM_TRA_1PNPDE20110920_221256_000000393106_00403_49986_9381.N1	DC map used
GOM_TRA_1PNPDE20110920_221641_000000403106_00403_49986_9382.N1	DC map used
GOM_TRA_1PNPDE20110920_221810_000000443106_00403_49986_9383.N1	DC map used
GOM_TRA_1PNPDE20110920_222635_000000523106_00403_49986_9384.N1	DC map used
GOM_TRA_1PNPDE20110920_222812_000000423106_00403_49986_9385.N1	DC map used
GOM_TRA_1PNPDE20110920_225130_000000643106_00403_49986_9386.N1	DC map used
GOM_TRA_1PNPDE20110920_230049_000000563106_00403_49986_9387.N1	DC map used
GOM_TRA_1PNPDE20110920_231125_000000523106_00403_49986_9417.N1	DC map used
GOM_TRA_1PNPDE20110920_231319_000000503106_00403_49986_9418.N1	DC map used
GOM_TRA_1PNPDE20110920_231705_000000443106_00403_49986_9419.N1	DC map used
GOM_TRA_1PNPDE20110920_231904_000000543106_00404_49987_9420.N1	DC map used
GOM_TRA_1PNPDE20110920_233525_000000433106_00404_49987_9421.N1	DC map used
GOM_TRA_1PNPDE20110920_234242_000000523106_00404_49987_9422.N1	DC map used
GOM_TRA_1PNPDE20110920_235654_000000403106_00404_49987_9423.N1	DC map used
GOM_TRA_1PNPDE20110920_235824_000000443106_00404_49987_9424.N1	DC map used

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



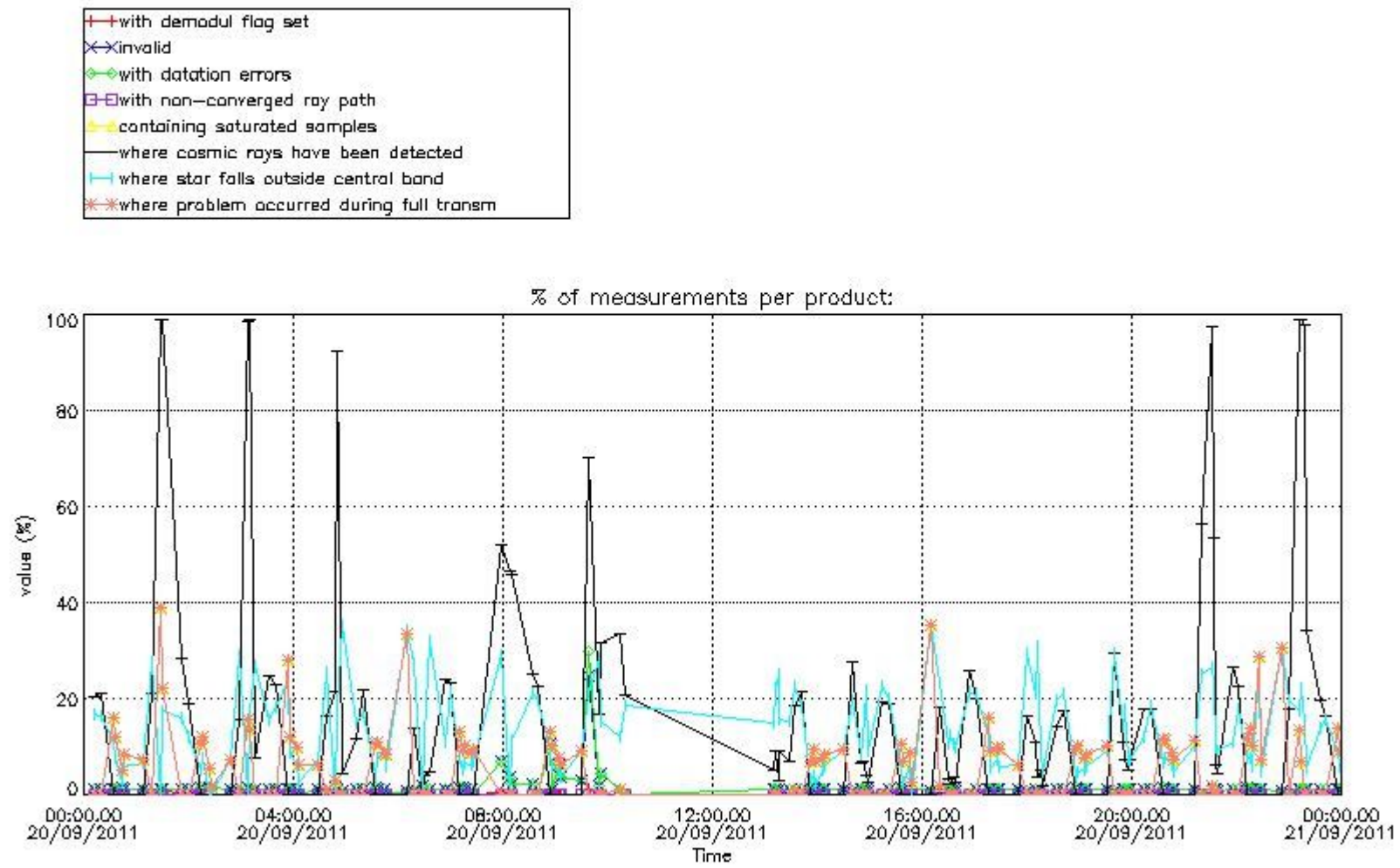
5. Demodulation flag and quality information monitoring

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.

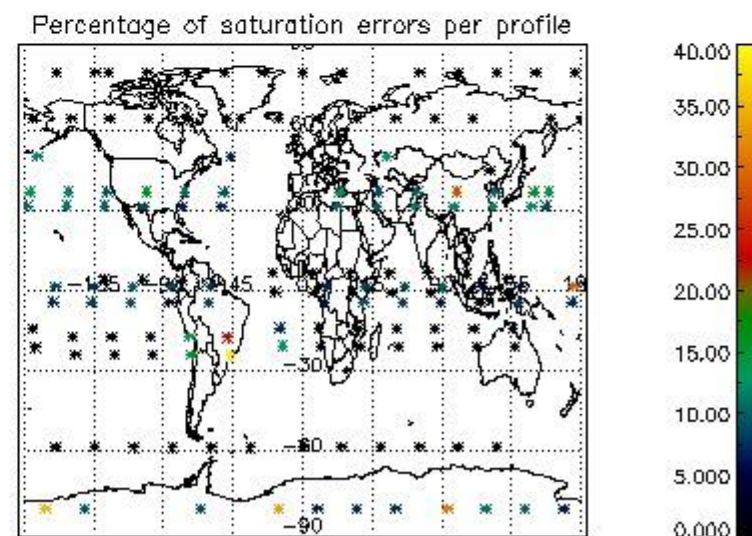
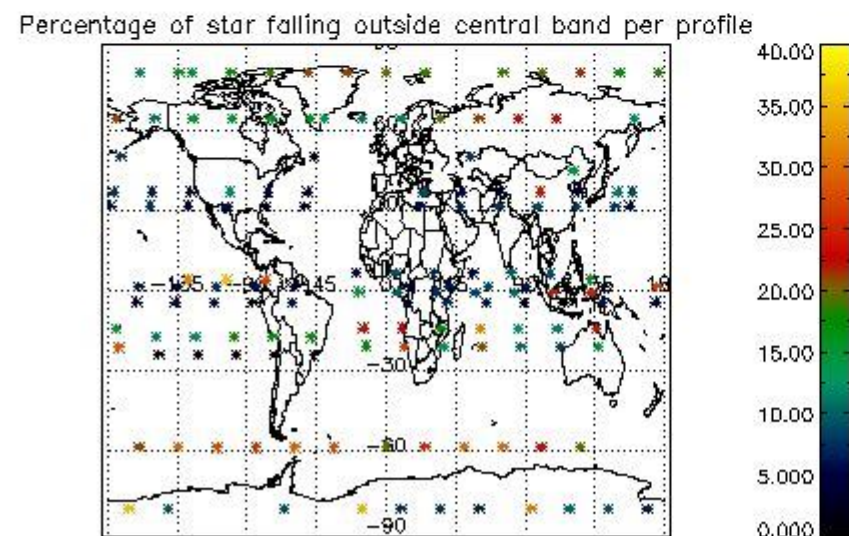
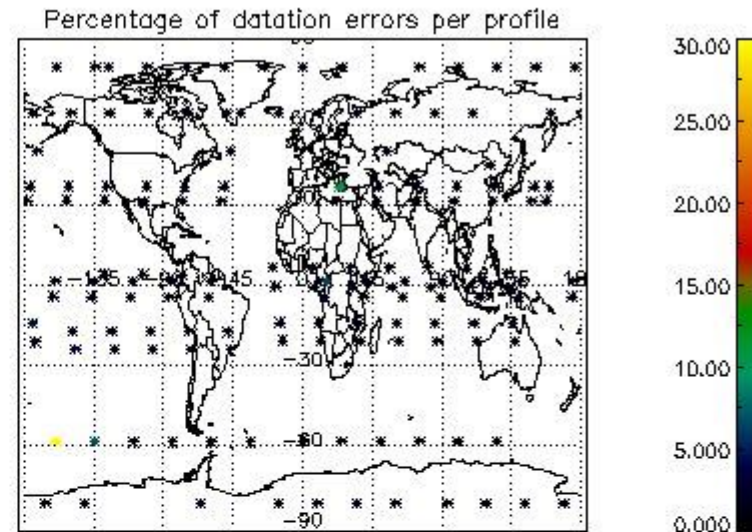
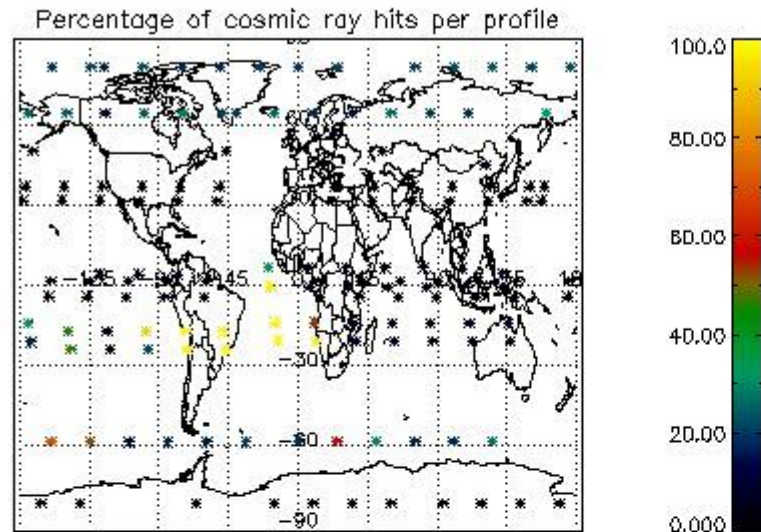
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	52.7027 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	43.2432 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



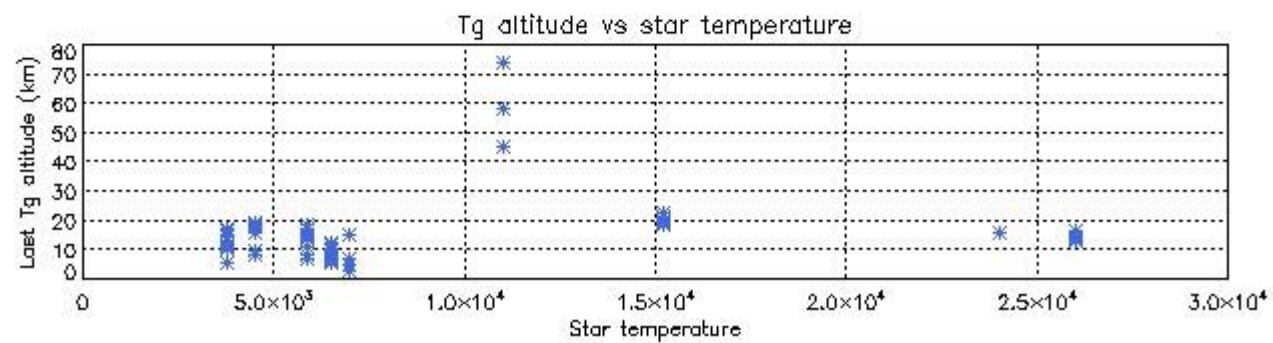
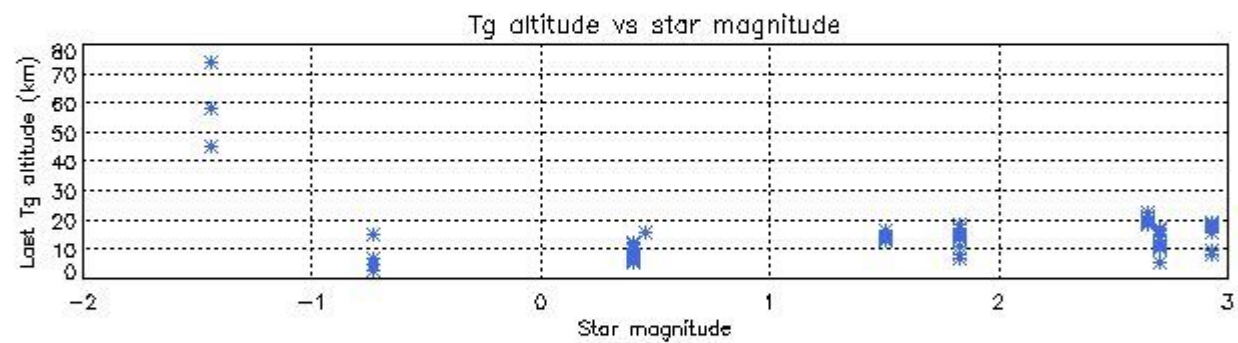
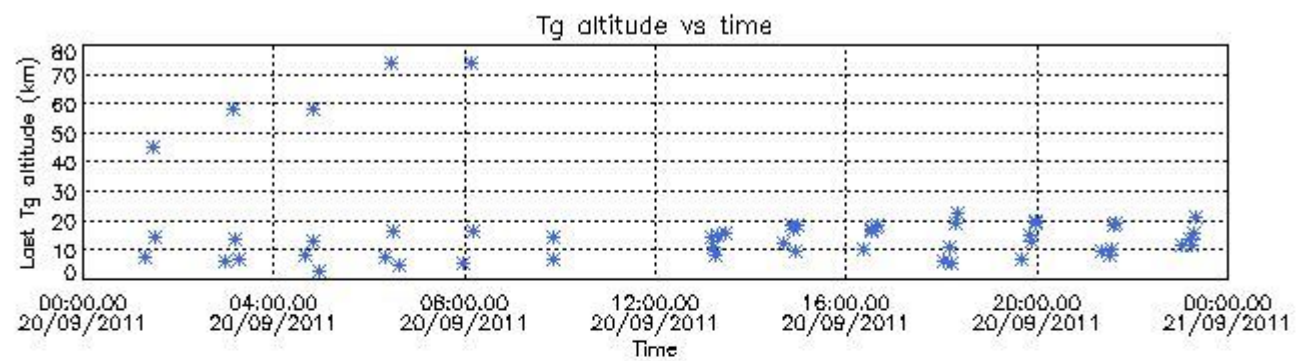
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.346	19.647	NaN
St. deviation:	15.393	4.5753	NaN
Maximum:	74.101	28.830	NaN
Minimum:	2.4770	4.0395	NaN
Number of data:	55.000	64.000	NaN

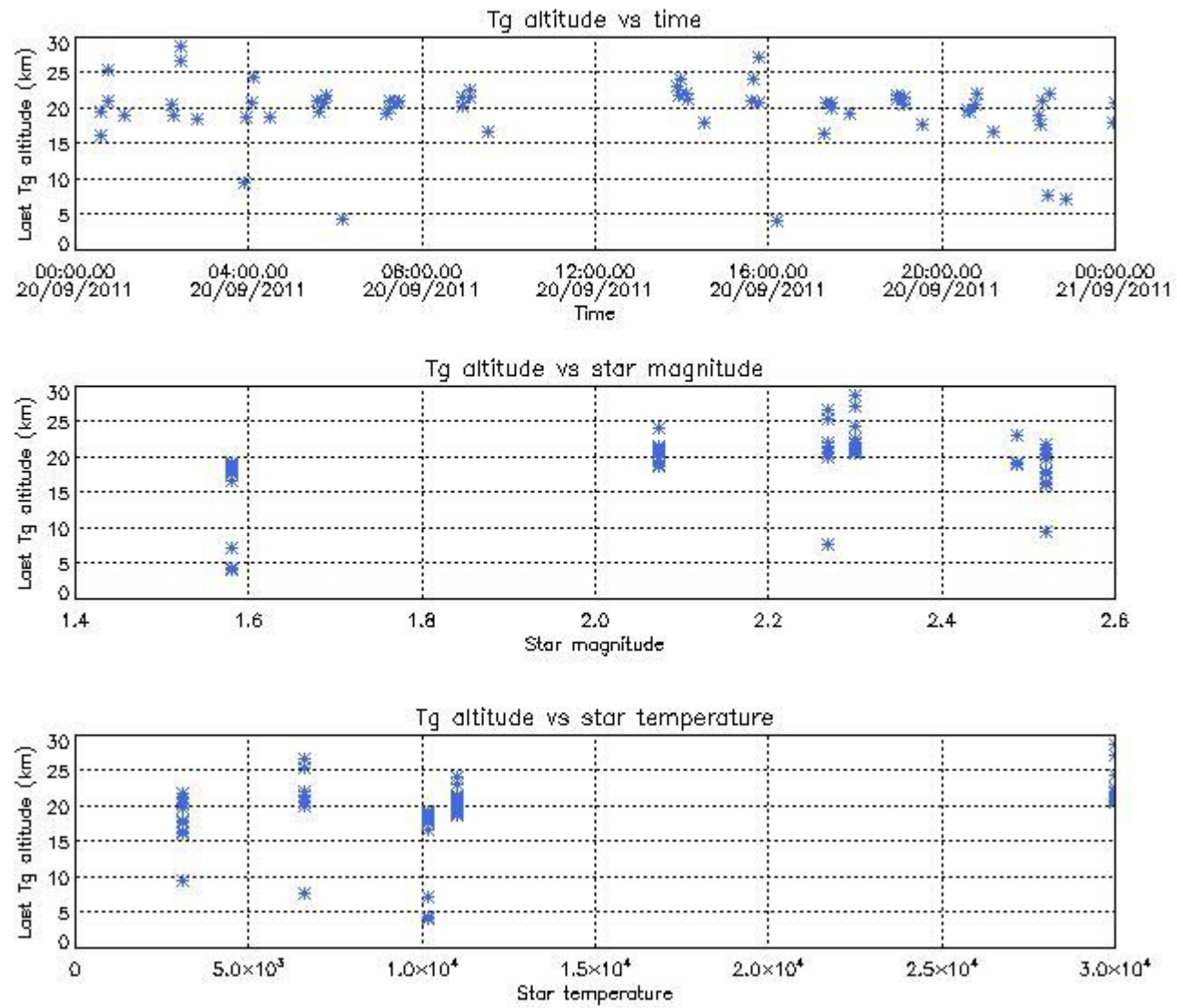
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

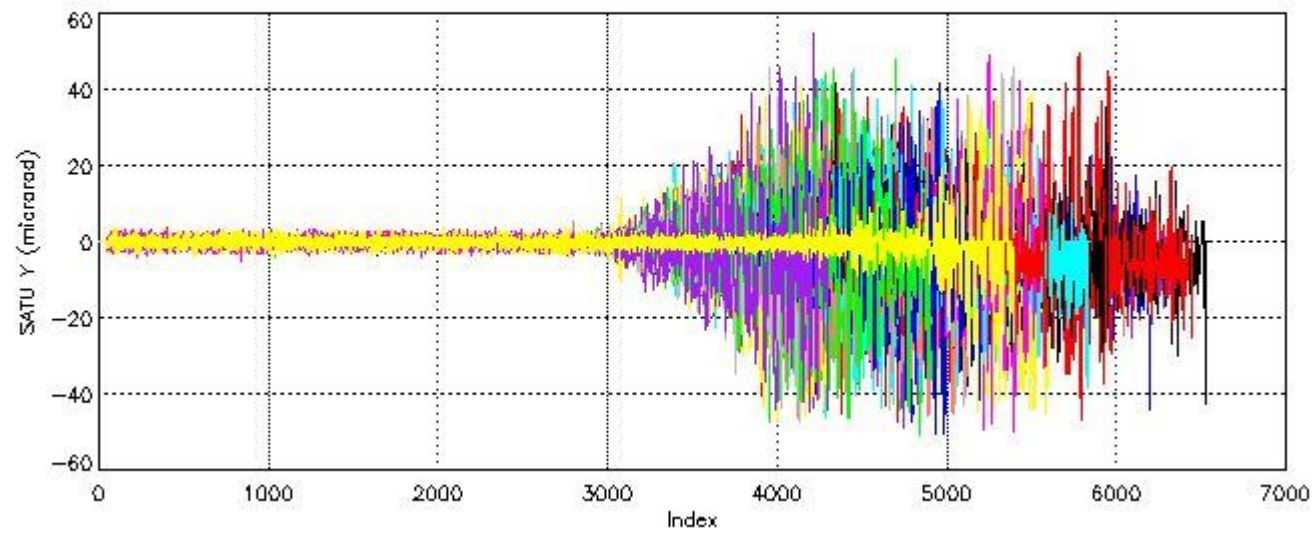
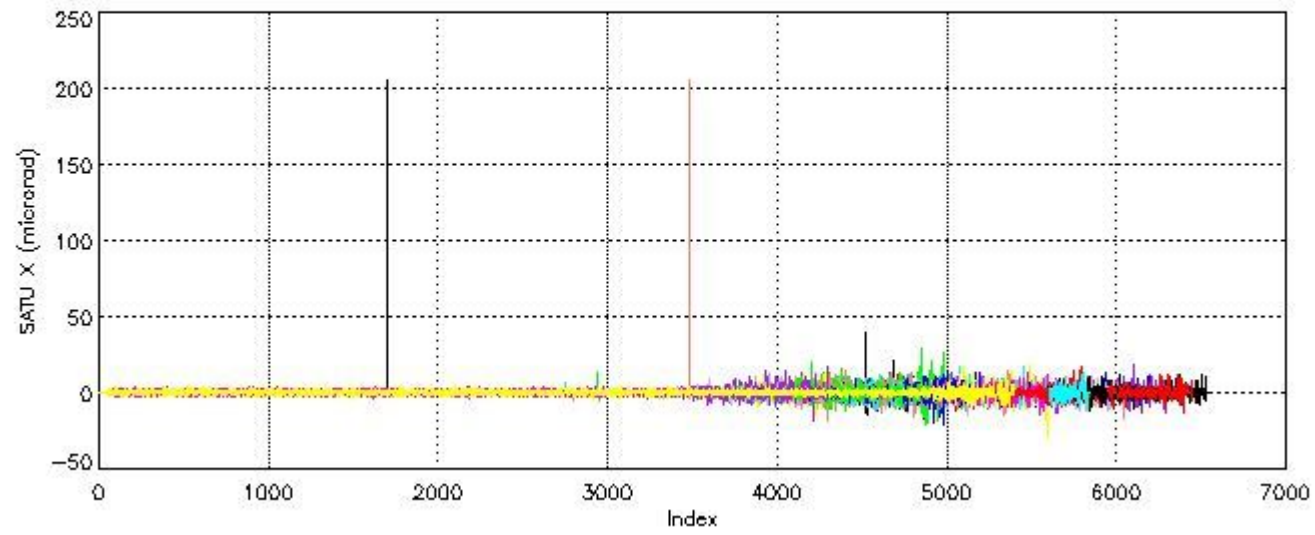


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22578	-0.22352	0.22213	-0.24670
St. deviation:	0.37118	0.42461	0.63743	0.68942
Maximum:	4.0000	3.9000	4.1000	4.2000
Minimum:	-3.1000	-5.2000	-5.8000	-5.3000

Number of data:	60950.	60950.	63550.	63550.
90Percentile:	0.70000	0.30000	1.1000	0.60000

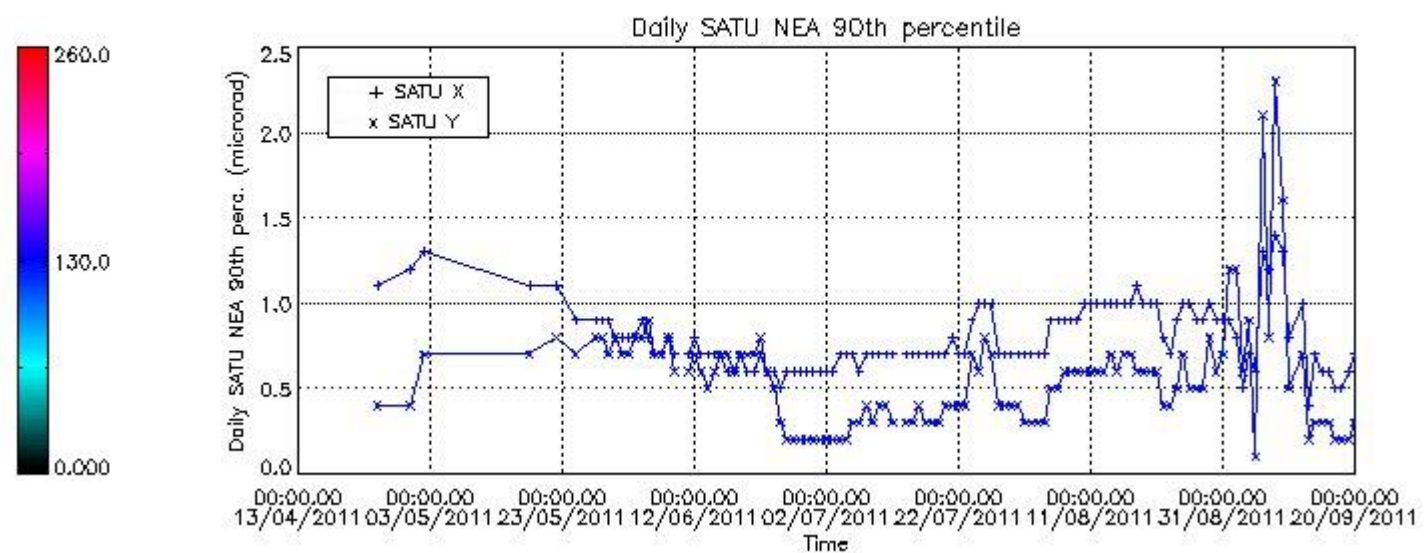
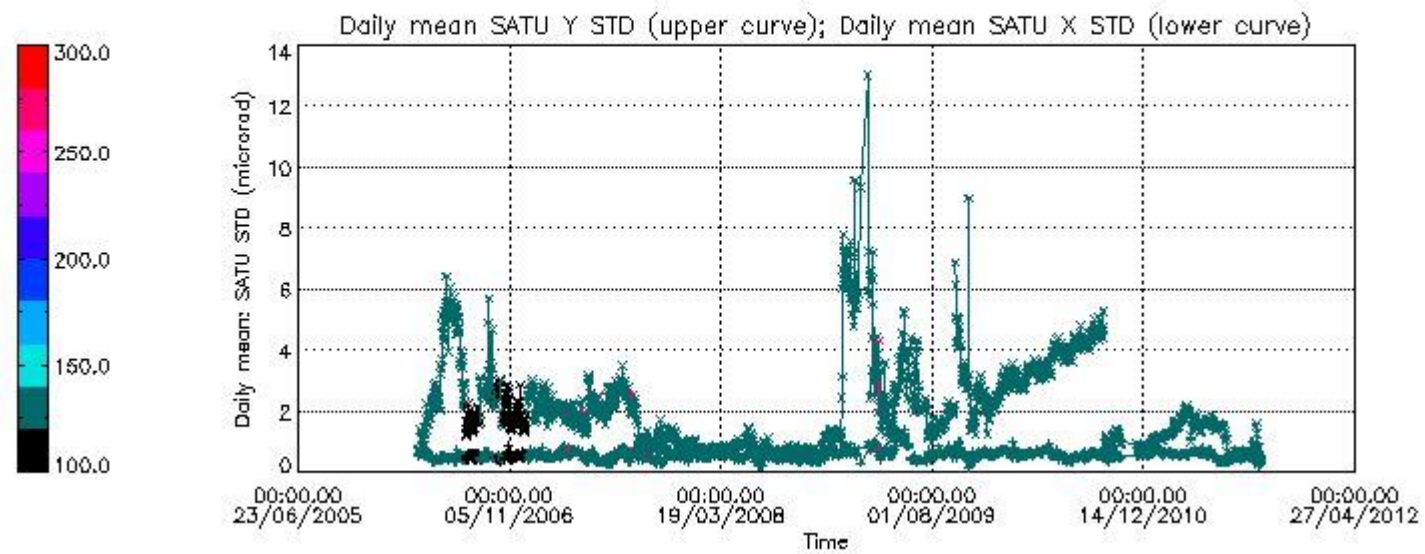
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

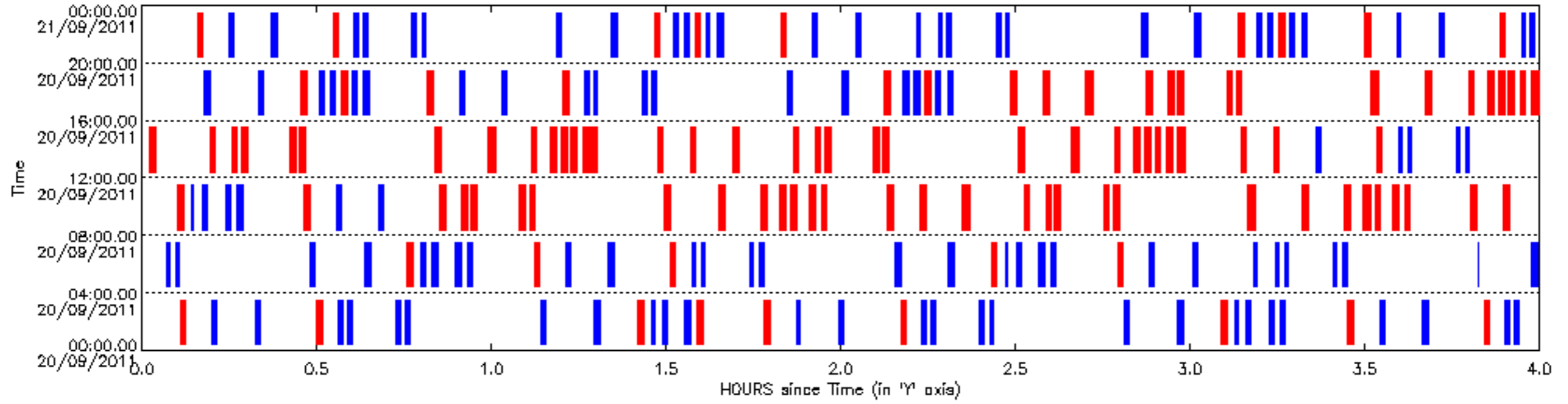
Lower curve: STD of SATU X axis

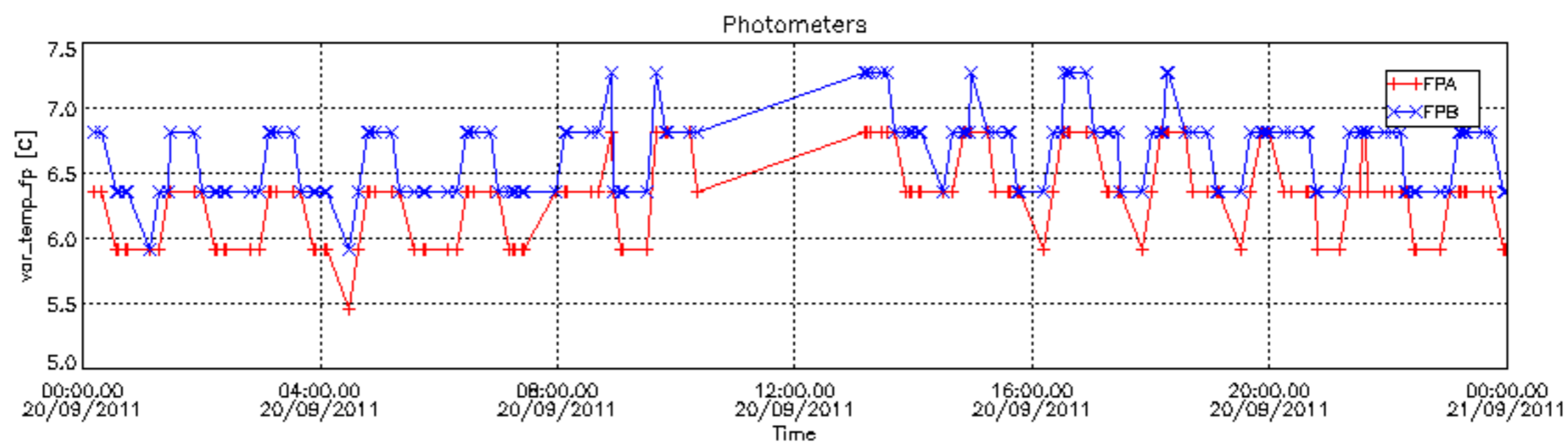
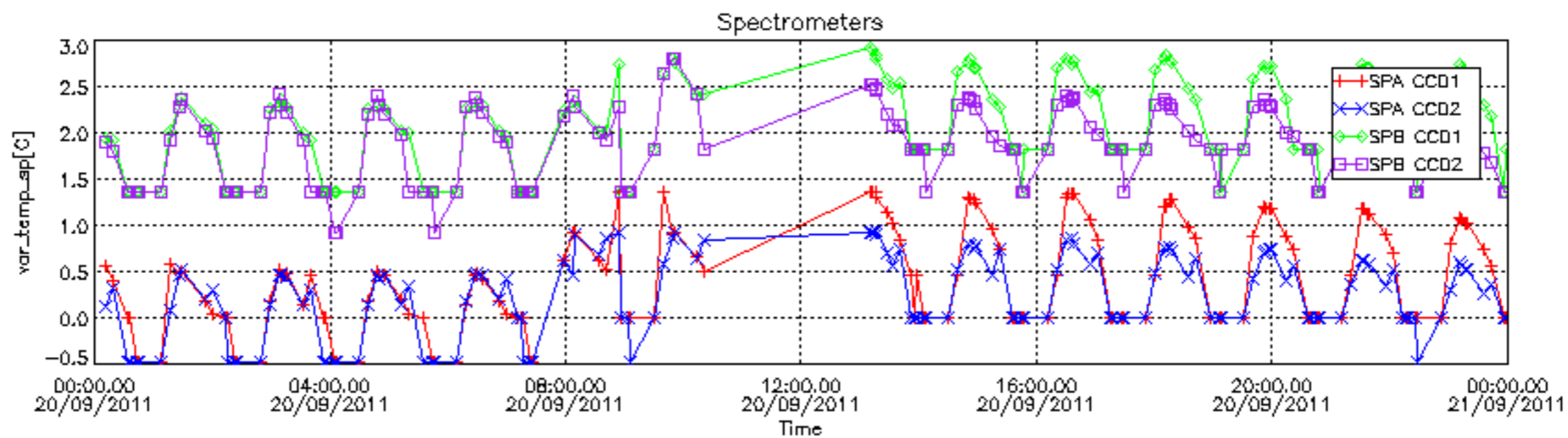


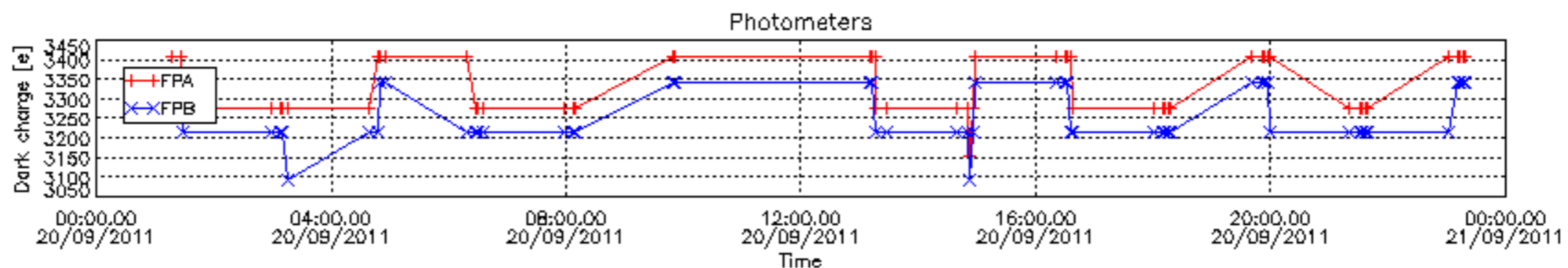
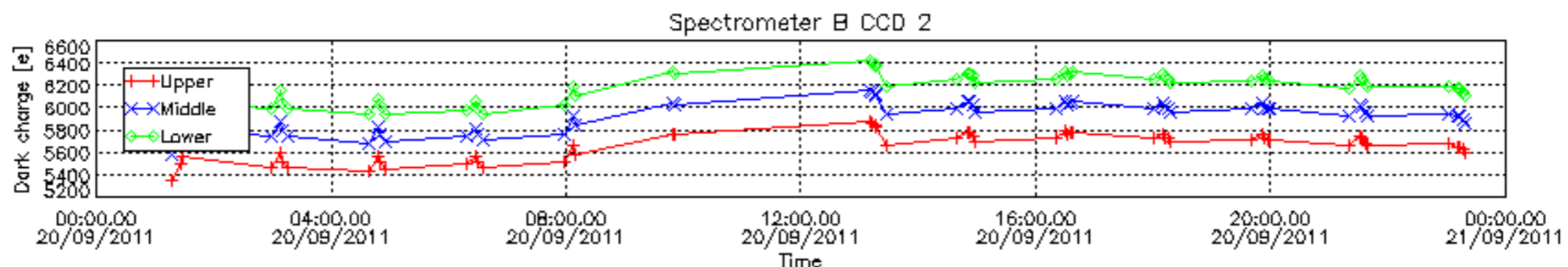
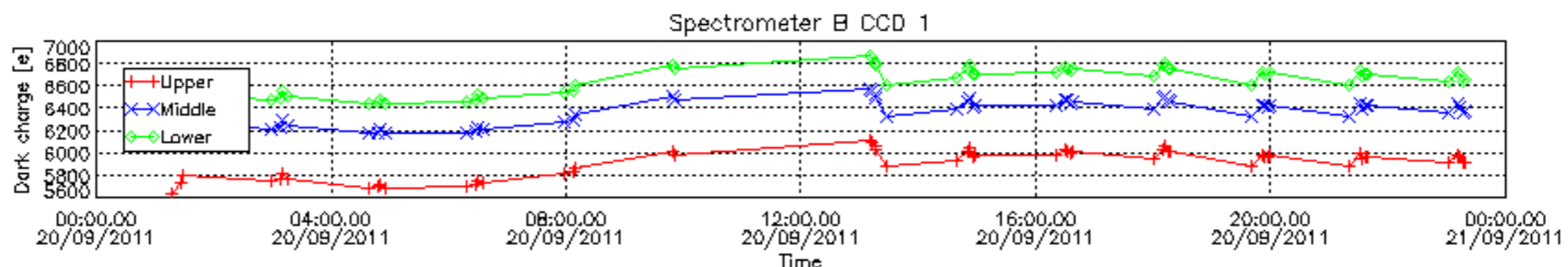
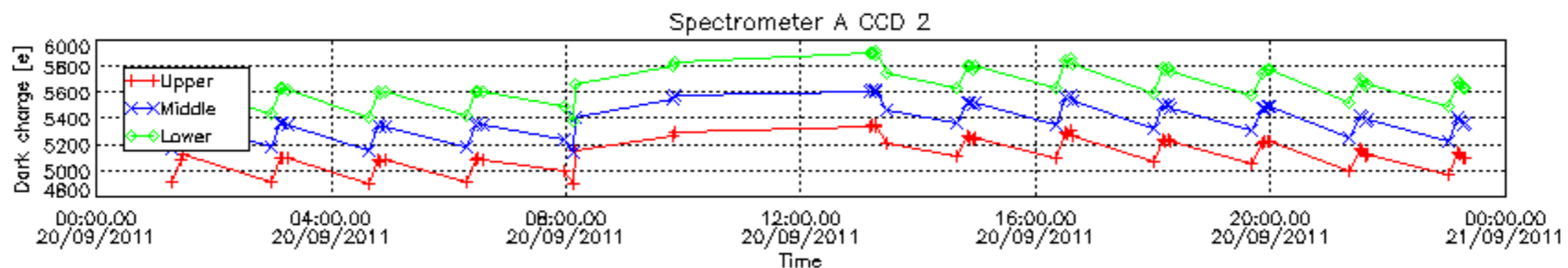
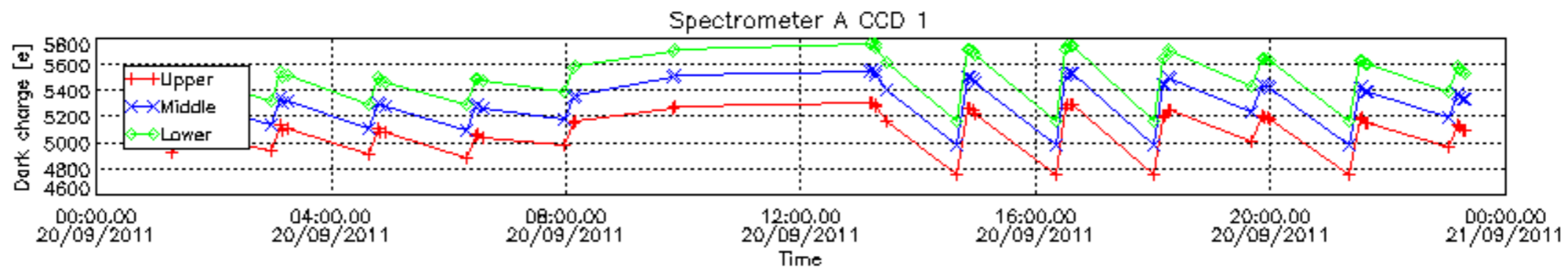
8. Auxiliary Data Files used for the production reported in section 2.4

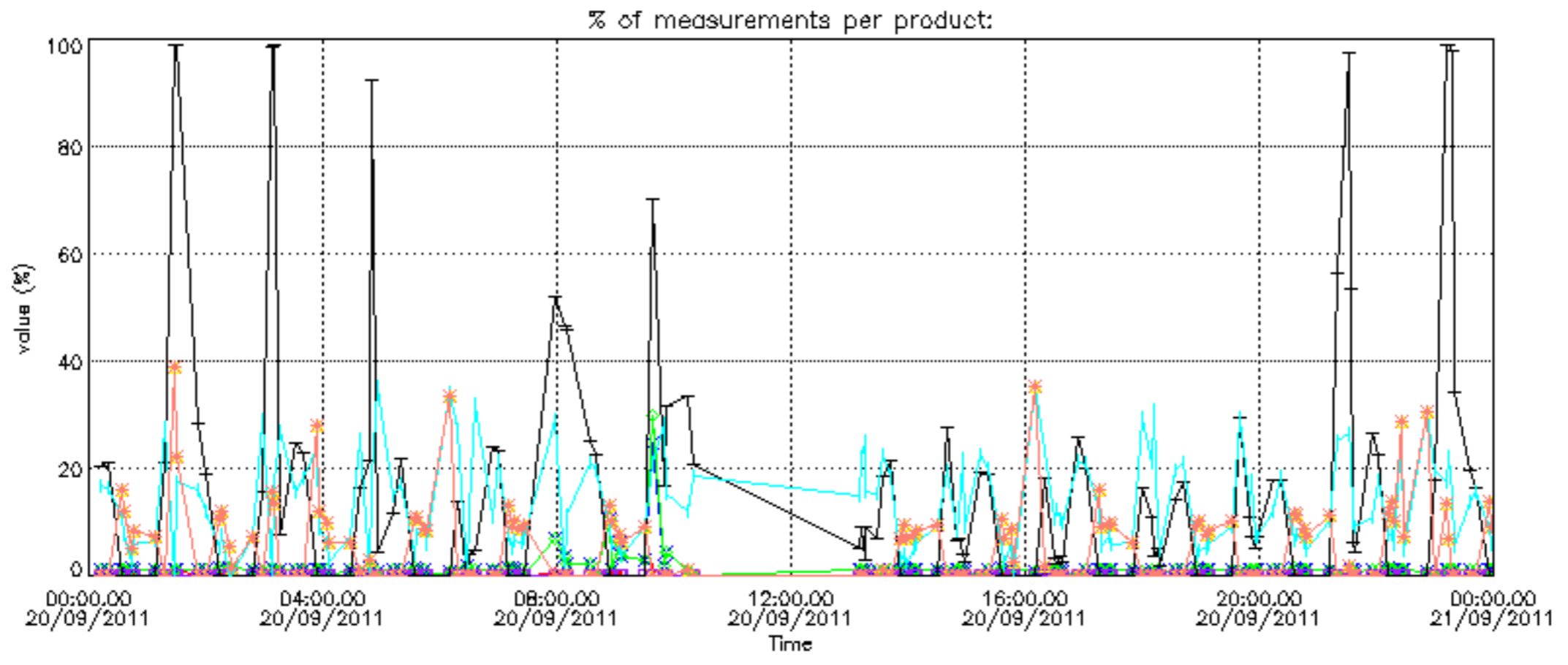
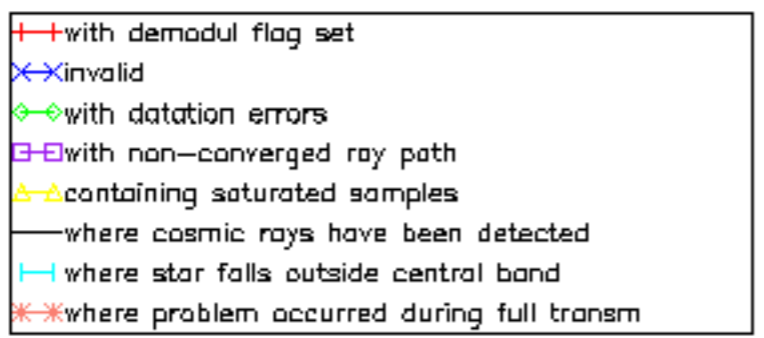
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	20-SEP-2011 00:12:04
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110915_075659_20110914_000000_20500101_000000	1	20-SEP-2011 00:12:04
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	20-SEP-2011 00:12:04
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	20-SEP-2011 00:12:04
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	20-SEP-2011 00:12:04
ECMWF_FILE	AUX_ECF_AXNECM20110919_062115_20110919_210000_20110920_090000	1	20-SEP-2011 00:12:04
ECMWF_FILE	AUX_ECF_AXNECM20110919_182115_20110920_030000_20110920_150000	28	20-SEP-2011 04:28:54
ECMWF_FILE	AUX_ECA_AXNECM20110920_063912_20110919_210000_20110920_090000	39	20-SEP-2011 06:09:09
ECMWF_FILE	AUX_ECF_AXNECM20110919_182115_20110920_030000_20110920_150000	56	20-SEP-2011 08:54:50
ECMWF_FILE	AUX_ECA_AXNECM20110920_181912_20110920_090000_20110920_210000	66	20-SEP-2011 13:09:56
ECMWF_FILE	AUX_ECF_AXNECM20110920_063913_20110920_150000_20110921_030000	85	20-SEP-2011 15:21:32
ECMWF_FILE	AUX_ECA_AXNECM20110920_181912_20110920_090000_20110920_210000	108	20-SEP-2011 18:34:42
ECMWF_FILE	AUX_ECF_AXNECM20110920_063913_20110920_150000_20110921_030000	120	20-SEP-2011 20:14:56
ECMWF_FILE	AUX_ECF_AXNECM20110920_063913_20110920_210000_20110921_090000	128	20-SEP-2011 21:31:10
OPTIONAL_ECMWF_FILE	MISSING	1	20-SEP-2011 00:12:04
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110919_102114_20110918_193001_20110928_200332	1	20-SEP-2011 00:12:04
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110920_101912_20110919_185316_20110929_210701	51	20-SEP-2011 07:58:37

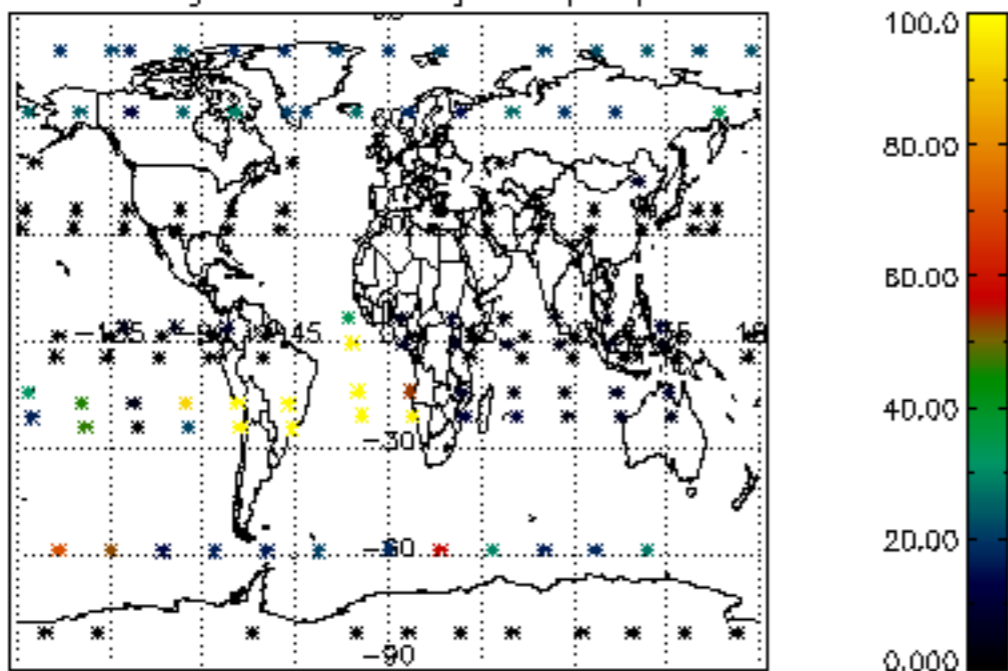




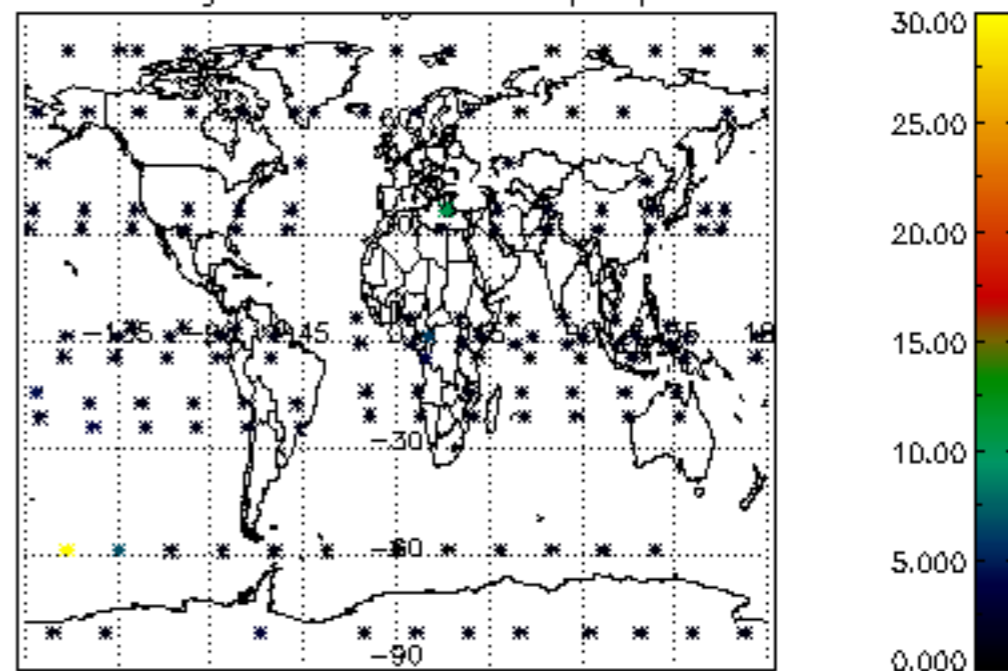




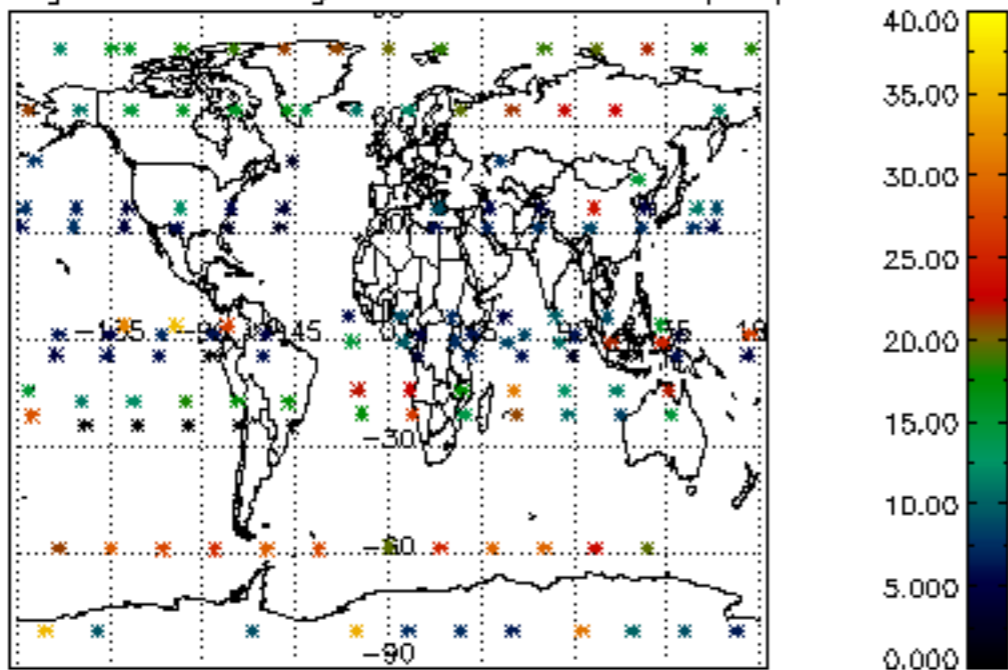
Percentage of cosmic ray hits per profile



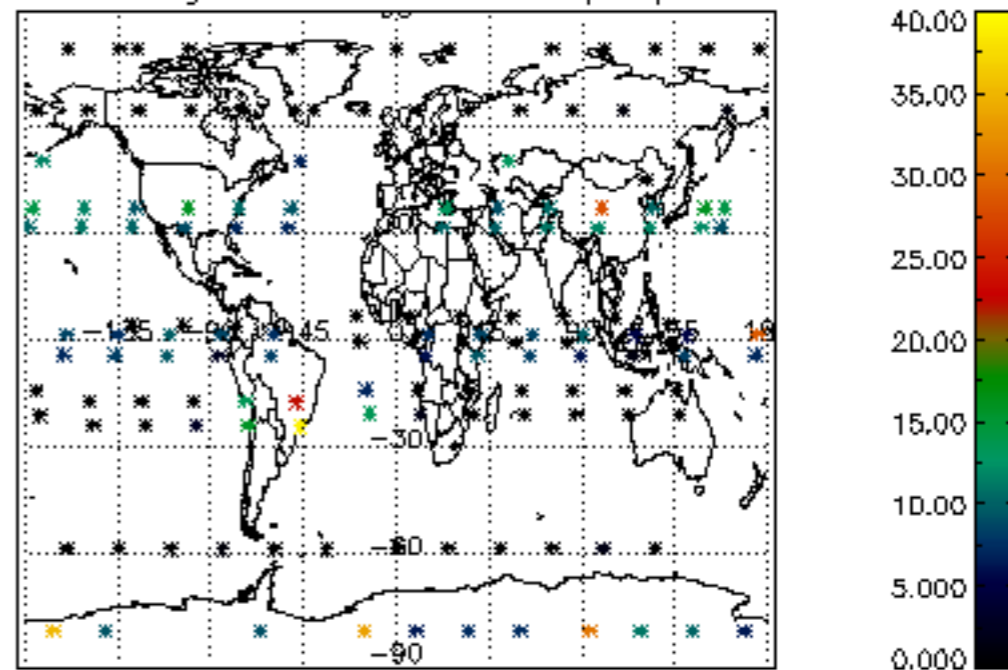
Percentage of datation errors per profile



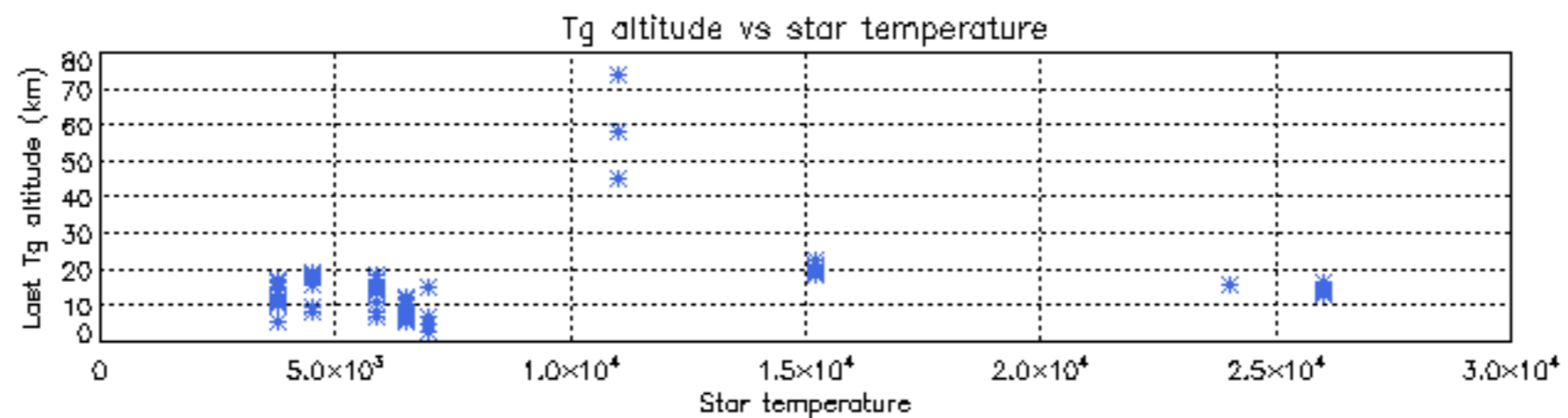
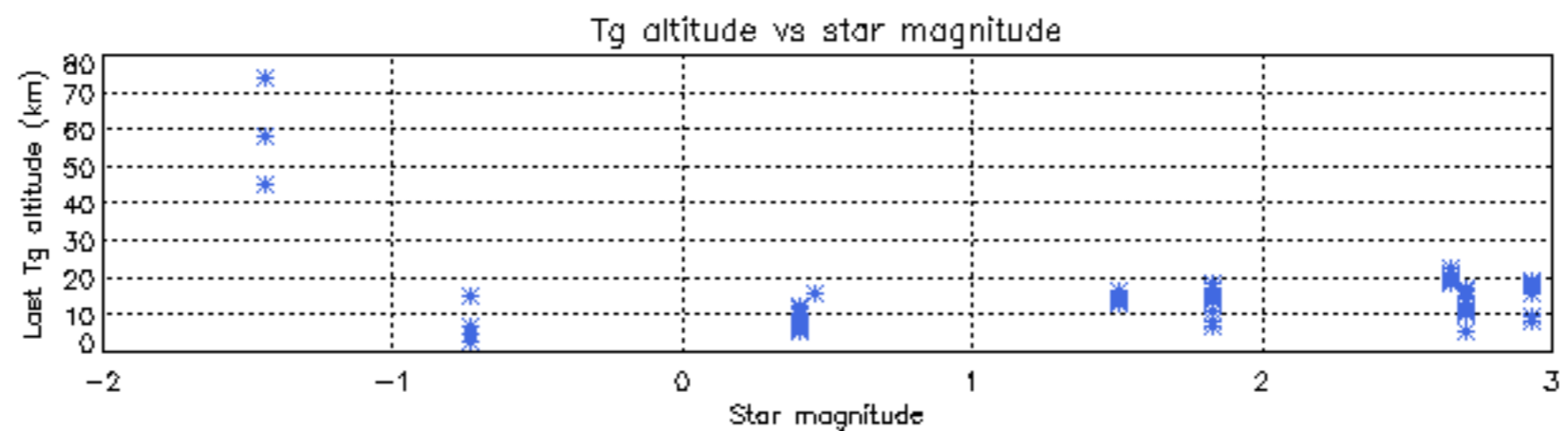
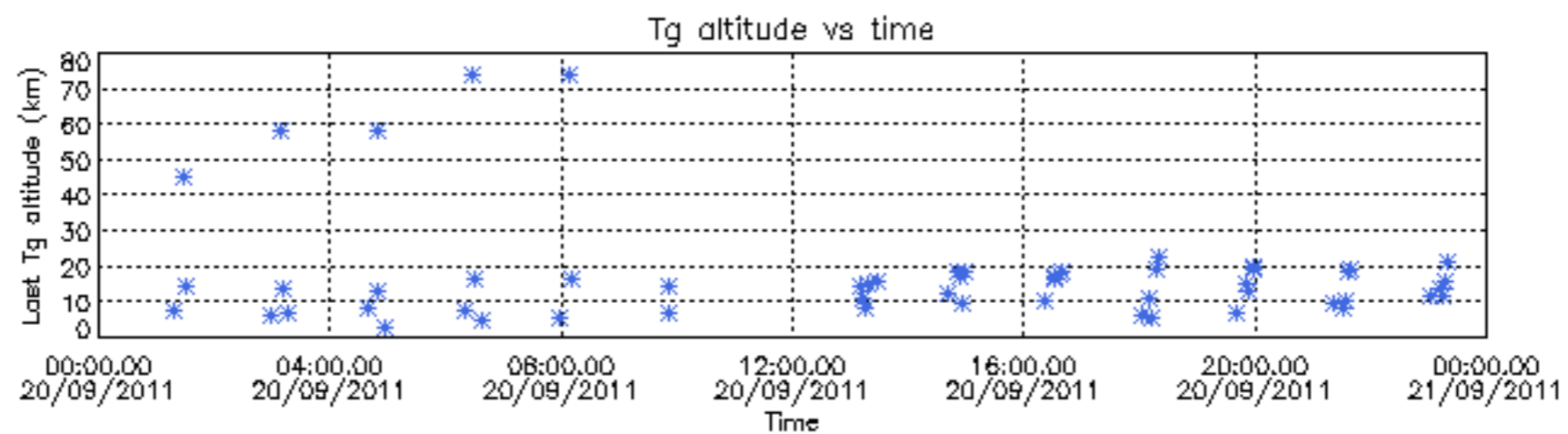
Percentage of star falling outside central band per profile



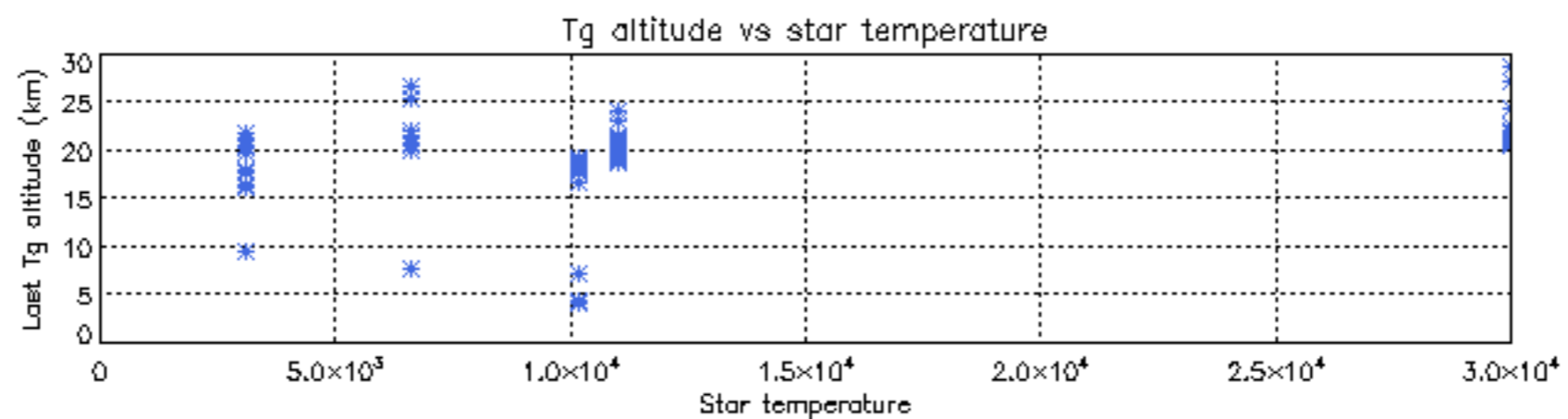
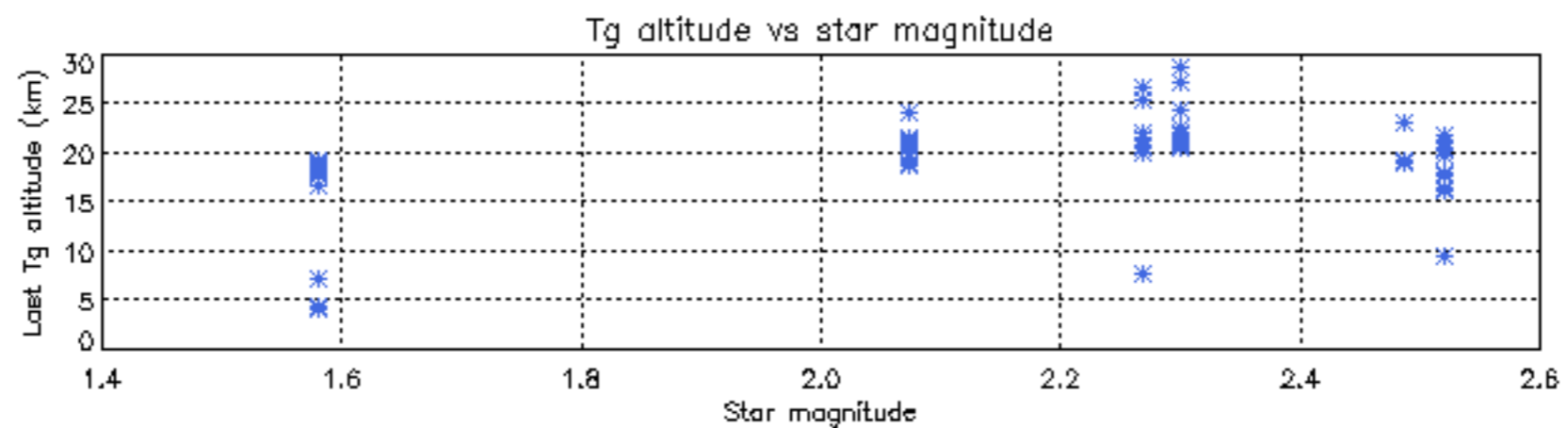
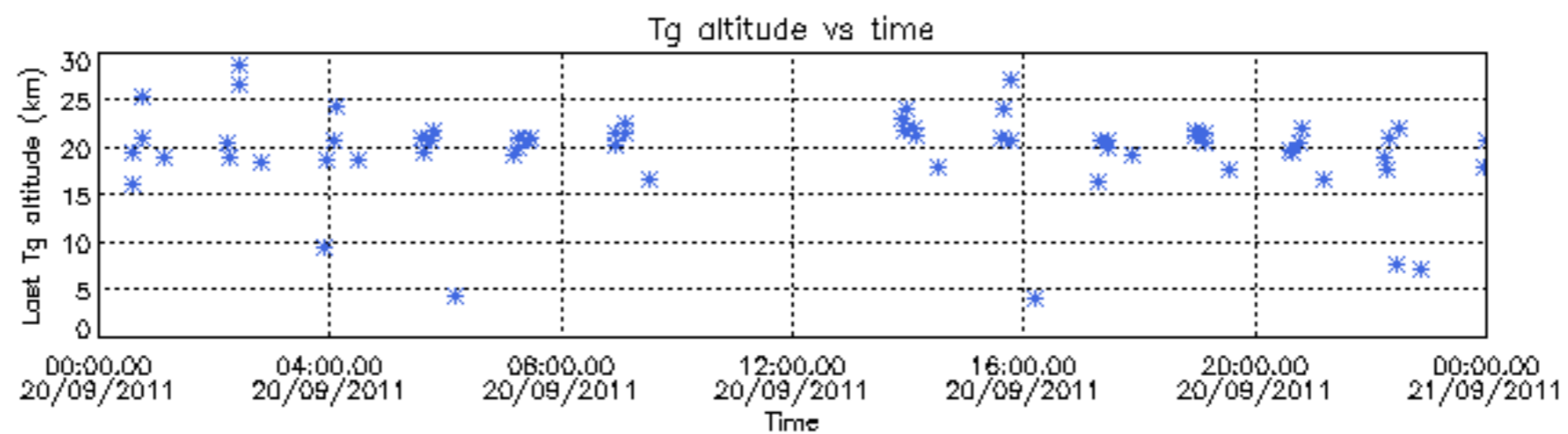
Percentage of saturation errors per profile

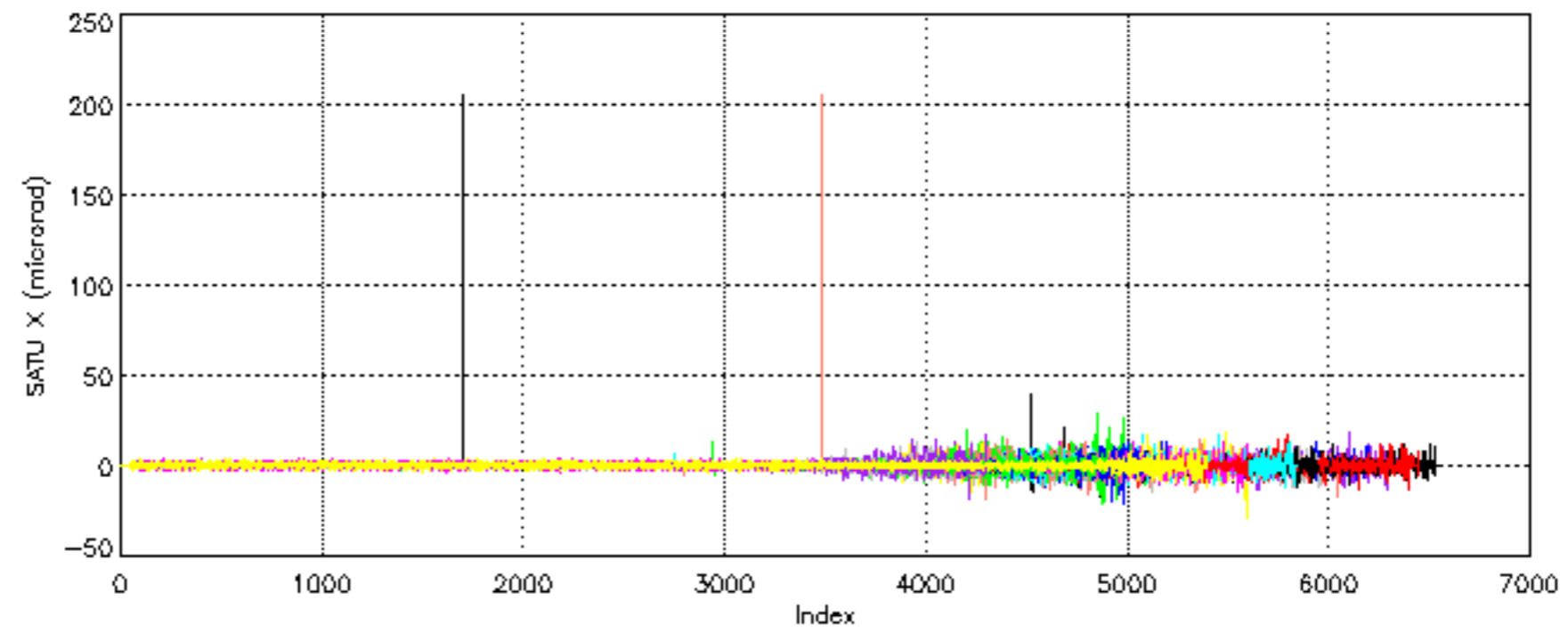


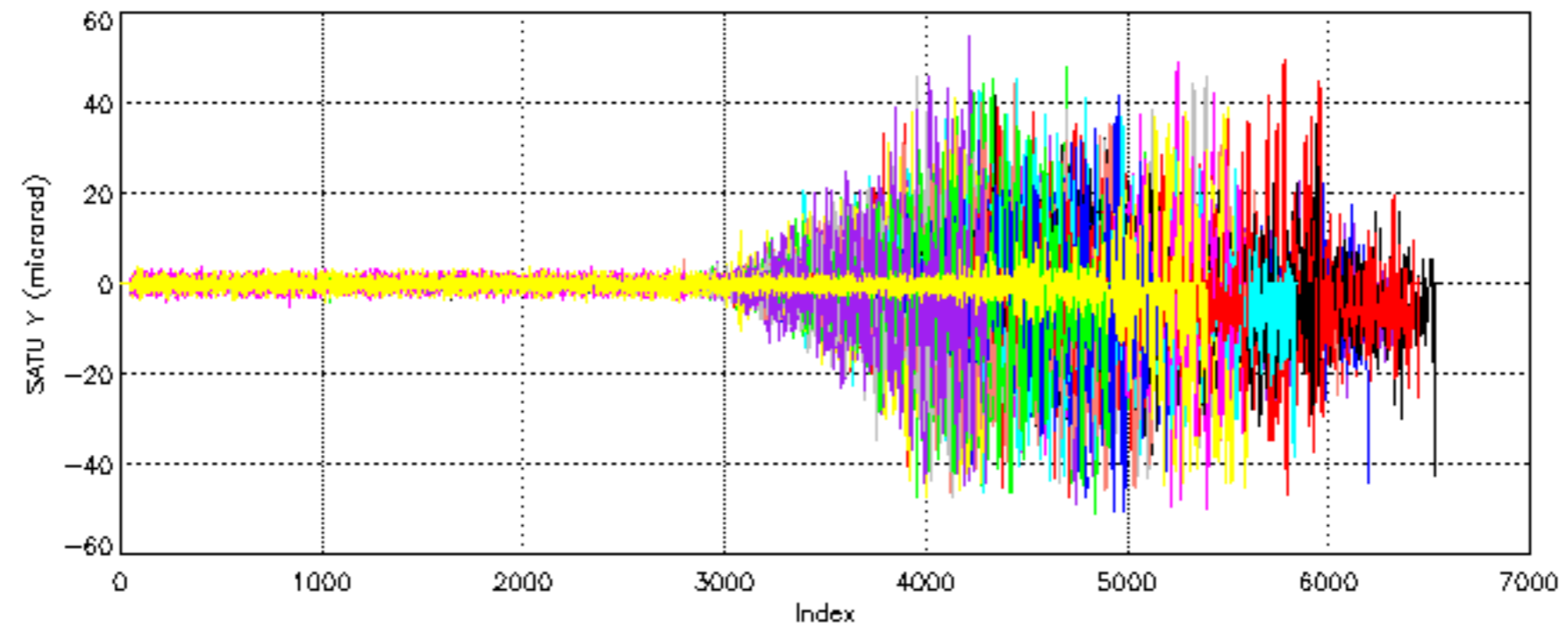
Tangent altitude at which the star is lost

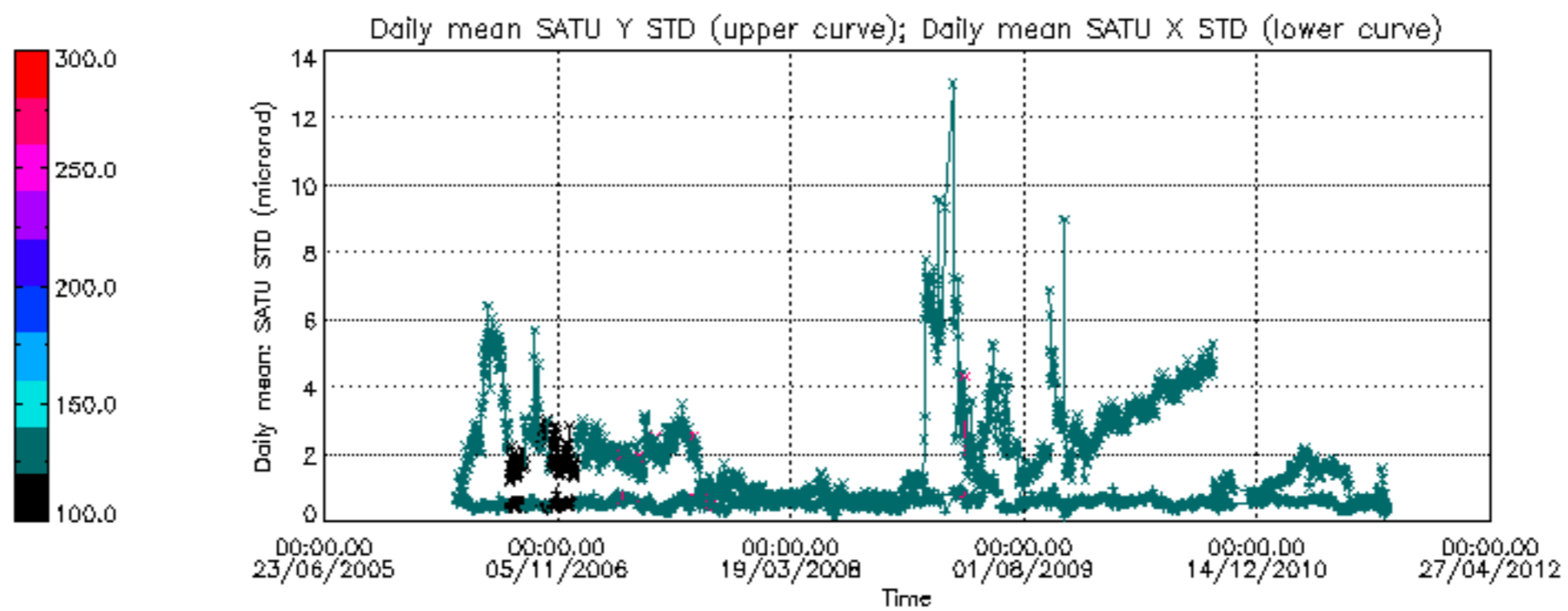


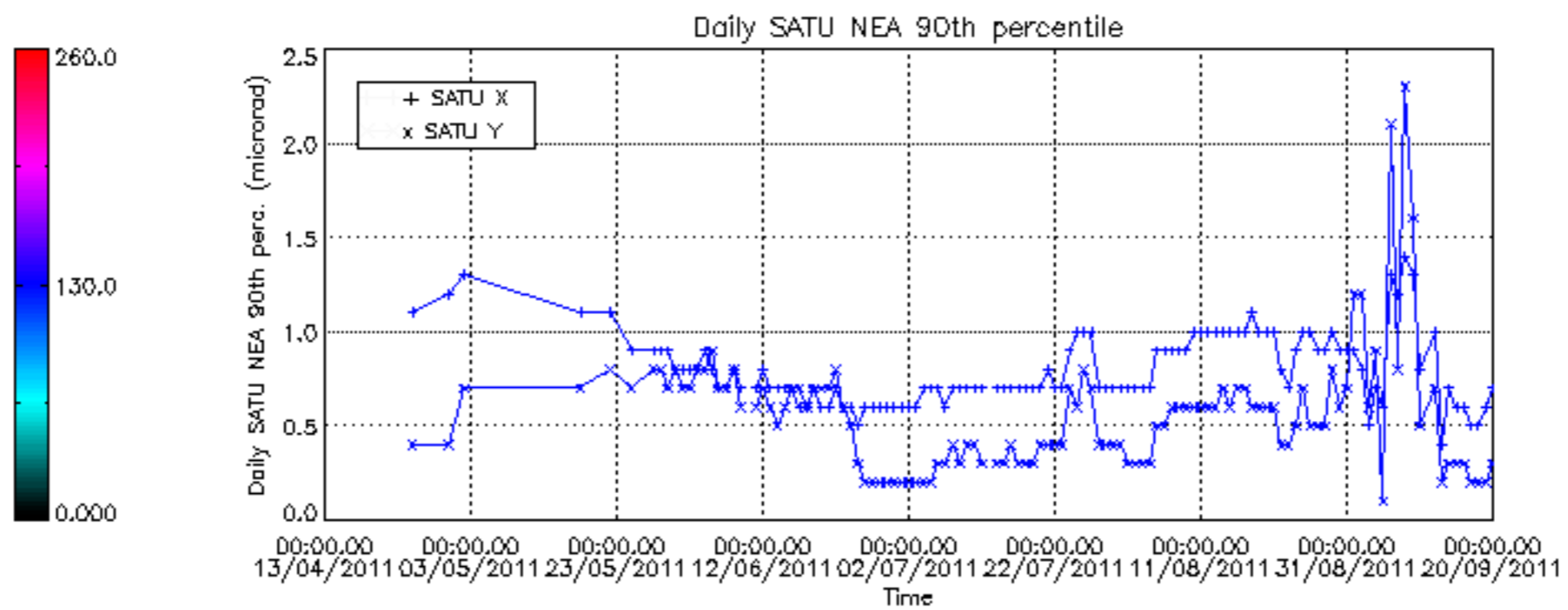
Tangent altitude at which the star is lost











/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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110901_212239_000025713106_00129_49712_6414.N1
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110901_230413_000059653106_00130_49713_6415.N1
1; -568.8; 01-SEP-2011 23:04:13; Dark ; 49.0; 47; 2Bet CMA ; 1.98; 28000;occ; 98; 0;49713
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110901_132227_000004043106_00125_49708_5210.N1
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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110901_150838_000000463106_00126_49709_5211.N1
1; 966.1; 01-SEP-2011 15:08:38; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49709

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110901_151437_000057023106_00126_49709_5212.N1
1; 1325.7; 01-SEP-2011 15:14:37; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;49709
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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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
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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
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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
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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
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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
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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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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
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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
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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
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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; 1332.9; 03-SEP-2011 12:21:01; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;49736
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2; 2464.7; 03-SEP-2011 12:39:53; Bright; 43.0; 164; 44Eta Peg ; 2.95; 5400;occ; 86; 0;49736
3; 4907.9; 03-SEP-2011 13:20:36; Dark ; 50.5; 8; 10Alp CMi ; 0.40; 6500;occ; 101; 0;49736
4; 5541.5; 03-SEP-2011 13:31:10; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;49736
5; 6995.5; 03-SEP-2011 13:55:24; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;49737
6; 7347.0; 03-SEP-2011 14:01:16; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;49737
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2; -1224.9; 03-SEP-2011 14:58:52; Dark ; 52.0; 44; 24Gam Gem ; 1.93; 11000;occ; 104; 0;49737
3; -1105.7; 03-SEP-2011 15:00:51; Dark ; 52.5; 8; 10Alp CMi ; 0.40; 6500;occ; 105; 0;49737
4; -631.7; 03-SEP-2011 15:08:45; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;49737
5; 982.2; 03-SEP-2011 15:35:39; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;49738
6; 1333.3; 03-SEP-2011 15:41:30; Dark ; 30.0; 18; 24Alp PsA ; 1.17; 9700;occ; 60; 0;49738
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2; 1883.4; 03-SEP-2011 15:50:40; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49738
3; 3094.1; 03-SEP-2011 16:10:51; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49738
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5; 5542.6; 03-SEP-2011 16:51:39; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;49738
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3; 5383.7; 03-SEP-2011 18:29:14; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;49739
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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
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3; 986.4; 04-SEP-2011 04:57:35; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 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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8; 1342.3; 06-SEP-2011 03:50:01; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;49774
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4; 2447.5; 06-SEP-2011 20:50:46; Bright; 41.0; 164; 44Eta Peg ; 2.95; 5400;occ; 82; 0;49784
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5; 1002.0; 06-SEP-2011 07:04:49; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;49776
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3; 3070.7; 06-SEP-2011 12:40:00; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49779
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7; 5781.5; 06-SEP-2011 13:25:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49779
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3; 2395.3; 15-SEP-2011 15:19:14; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;49910
4; 2514.5; 15-SEP-2011 15:21:13; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49910
5; 3006.1; 15-SEP-2011 15:29:25; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49910
6; 3112.0; 15-SEP-2011 15:31:11; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49910
7; 4460.1; 15-SEP-2011 15:53:39; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;49910
8; 4983.7; 15-SEP-2011 16:02:22; Dark ; 55.0; 8; 10Alp CMi ; 0.40; 6500;occ; 110; 0;49910
9; 5533.7; 15-SEP-2011 16:11:32; Dark ; 59.5; 1; 9Alp CMA ; -1.44; 11000;occ; 119; 0;49910
10; 5664.6; 15-SEP-2011 16:13:43; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;49910
11; 5893.8; 15-SEP-2011 16:17:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49910
12; 6735.1; 15-SEP-2011 16:31:34; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;49911
13; 7076.8; 15-SEP-2011 16:37:15; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;49911
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2; 2164.5; 15-SEP-2011 16:55:37; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49911
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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8; 4984.2; 15-SEP-2011 17:42:37; Dark ; 56.5; 8; 10Alp CMI ; 0.40; 6500;occ; 113; 0;49911
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12; 6735.7; 15-SEP-2011 18:11:48; Dark ; 49.5; 9; Alp Eri ; 0.45; 24000;occ; 99; 0;49912
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3; 2164.3; 15-SEP-2011 18:35:51; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49912
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6; 3005.1; 15-SEP-2011 18:49:52; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49912
7; 3110.7; 15-SEP-2011 18:51:37; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49912
8; 4460.1; 15-SEP-2011 19:14:07; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;49912
9; 4984.7; 15-SEP-2011 19:22:51; Dark ; 60.0; 8; 10Alp CMI ; 0.40; 6500;occ; 120; 0;49912
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4; 26.7; 16-SEP-2011 00:41:09; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;49916
5; 723.4; 16-SEP-2011 00:52:46; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;49916
6; 1064.5; 16-SEP-2011 00:58:27; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;49916
7; 1518.0; 16-SEP-2011 01:06:00; Dark ; 58.0; 52; 16Bet Cet ; 2.04; 4500;occ; 116; 0;49916
8; 2163.5; 16-SEP-2011 01:16:46; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49916
9; 2393.6; 16-SEP-2011 01:20:36; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49916
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11; 3003.3; 16-SEP-2011 01:30:46; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49916
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3; -472.9; 16-SEP-2011 03:53:17; Dark ; 59.0; 1; 9Alp CMA ; -1.44; 11000;occ; 118; 0;49917
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4; 2391.0; 16-SEP-2011 21:23:21; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;49928
5; 2502.9; 16-SEP-2011 21:25:13; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49928
6; 2998.4; 16-SEP-2011 21:33:28; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49928
7; 3102.3; 16-SEP-2011 21:35:12; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49928
8; 4462.3; 16-SEP-2011 21:57:52; Bright; 47.5; 24; 66Alp Gem ; 1.58; 10200;occ; 95; 0;49928
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5; 1520.0; 16-SEP-2011 22:49:04; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;49929
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10; 3101.6; 16-SEP-2011 23:15:26; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;49929
11; 4462.4; 16-SEP-2011 23:38:06; Bright; 45.0; 24; 66Alp Gem ; 1.58; 10200;occ; 90; 0;49929
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3; 2506.7; 16-SEP-2011 11:23:53; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49922
4; 3000.9; 16-SEP-2011 11:32:07; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49922
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6; 4461.5; 16-SEP-2011 11:56:28; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;49922
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9; 5906.0; 16-SEP-2011 14:00:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49923
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3; 2505.7; 16-SEP-2011 14:44:20; Bright; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;49924
4; 3000.2; 16-SEP-2011 14:52:34; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49924
5; 3104.5; 16-SEP-2011 14:54:18; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49924
6; 4461.9; 16-SEP-2011 15:16:56; Bright; 61.0; 24; 66Alp Gem ; 1.58; 10200;occ; 122; 0;49924
7; 4991.4; 16-SEP-2011 15:25:45; Dark ; 61.0; 8; 10Alp CMi ; 0.40; 6500;occ; 122; 0;49924
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9; 5676.6; 16-SEP-2011 15:37:11; Dark ; 52.0; 23; 21Eps CMa ; 1.50; 26000;occ; 104; 0;49924
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11; 7082.4; 16-SEP-2011 16:00:36; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49925
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6; 2161.5; 17-SEP-2011 02:20:13; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49931
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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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4; 2388.3; 17-SEP-2011 20:46:34; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49942
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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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5; 3098.6; 17-SEP-2011 09:16:46; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49935
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12; 7086.6; 17-SEP-2011 10:23:14; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;49936
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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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4; 2488.3; 18-SEP-2011 15:10:47; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;49953
5; 2988.2; 18-SEP-2011 15:19:07; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49953
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11; 5935.4; 18-SEP-2011 16:08:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49953
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3; 2386.0; 18-SEP-2011 16:49:19; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49954
4; 2487.6; 18-SEP-2011 16:51:01; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;49954
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6; 3088.5; 18-SEP-2011 17:01:01; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;49954
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8; 5008.9; 18-SEP-2011 17:33:02; Dark ; 60.0; 8; 10Alp CMI ; 0.40; 6500;occ; 120; 0;49954
9; 5584.1; 18-SEP-2011 17:42:37; Dark ; 73.5; 1; 9Alp CMA ; -1.44; 11000;occ; 147; 0;49954
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3; 2158.8; 18-SEP-2011 18:25:46; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49955
4; 2385.8; 18-SEP-2011 18:29:33; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49955
5; 2487.2; 18-SEP-2011 18:31:14; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;49955
6; 2987.3; 18-SEP-2011 18:39:34; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49955
7; 3088.0; 18-SEP-2011 18:41:15; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49955
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9; 5009.5; 18-SEP-2011 19:13:17; Dark ; 57.5; 8; 10Alp CMI ; 0.40; 6500;occ; 115; 0;49955
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11; 5704.4; 18-SEP-2011 19:24:51; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;49955
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3; -74.7; 18-SEP-2011 22:49:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49957
4; 1080.8; 18-SEP-2011 23:08:30; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49958
5; 1524.1; 18-SEP-2011 23:15:53; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49958
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7; 2385.2; 18-SEP-2011 23:30:14; Bright; 40.5; 93; 53Bet Peg ; 2.52; 3100;occ; 81; 0;49958
8; 2485.3; 18-SEP-2011 23:31:54; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49958
9; 2986.0; 18-SEP-2011 23:40:15; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49958
10; 3086.4; 18-SEP-2011 23:41:55; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;49958
11; 4466.0; 19-SEP-2011 00:04:55; Bright; 58.5; 24; 66Alp Gem ; 1.58; 10200;occ; 117; 0;49958
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3; -73.7; 19-SEP-2011 00:29:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49958
4; 1081.2; 19-SEP-2011 00:48:44; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49959
5; 1524.3; 19-SEP-2011 00:56:07; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;49959
6; 2158.1; 19-SEP-2011 01:06:41; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49959
7; 2385.0; 19-SEP-2011 01:10:28; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49959
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4; 1081.6; 19-SEP-2011 02:28:58; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;49960
5; 1524.4; 19-SEP-2011 02:36:21; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;49960
6; 2158.2; 19-SEP-2011 02:46:55; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49960
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8; 2484.4; 19-SEP-2011 02:52:21; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49960
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4; -422.7; 19-SEP-2011 03:44:08; Dark ; 70.0; 1; 9Alp CMA ; -1.44; 11000;occ; 140; 0;49960
5; -71.7; 19-SEP-2011 03:49:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49960
6; 1082.0; 19-SEP-2011 04:09:13; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49961
7; 1524.7; 19-SEP-2011 04:16:35; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;49961
8; 2158.2; 19-SEP-2011 04:27:09; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49961
9; 2384.9; 19-SEP-2011 04:30:56; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;49961
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3; -421.5; 19-SEP-2011 05:24:23; Dark ; 76.5; 1; 9Alp CMA ; -1.44; 11000;occ; 153; 0;49961
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5; -70.7; 19-SEP-2011 05:30:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49961
6; 1082.4; 19-SEP-2011 05:49:27; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;49962
7; 1524.9; 19-SEP-2011 05:56:50; Dark ; 57.0; 52; 16Bet Cet ; 2.04; 4500;occ; 114; 0;49962
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4; -302.9; 19-SEP-2011 07:06:36; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;49962
5; -69.6; 19-SEP-2011 07:10:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49962
6; 1082.8; 19-SEP-2011 07:29:41; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49963
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5; 3084.0; 19-SEP-2011 08:03:03; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;49963
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8; 5595.1; 19-SEP-2011 08:44:54; Dark ; 65.0; 1; 9Alp CMA ; -1.44; 11000;occ; 130; 0;49963
9; 5712.0; 19-SEP-2011 08:46:51; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;49963
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5; 3083.5; 19-SEP-2011 09:43:16; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49964
6; 4467.0; 19-SEP-2011 10:06:20; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;49964
7; 5015.1; 19-SEP-2011 10:15:28; Dark ; 56.5; 8; 10Alp CMI ; 0.40; 6500;occ; 113; 0;49964
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9; 5713.0; 19-SEP-2011 10:27:06; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;49964
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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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2; 1085.8; 19-SEP-2011 22:31:50; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;49972
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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5; 1526.4; 20-SEP-2011 00:19:25; Dark ; 52.5; 52; 16Bet Cet ; 2.04; 4500;occ; 105; 0;49973
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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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
12; 5608.9; 20-SEP-2011 03:07:41; Dark ; 35.0; 1; 9Alp CMA ; -1.44; 11000;occ; 70; 0;49974
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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4; -290.4; 20-SEP-2011 04:49:50; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;49975
5; -56.5; 20-SEP-2011 04:53:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49975
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
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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
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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
12; 5029.9; 21-SEP-2011 00:41:03; Dark ; 63.5; 8; 10Alp CMi ; 0.40; 6500;occ; 127; 0;49987
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Problem occurred when reading packet number 92!
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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
12; 7104.0; 20-SEP-2011 16:54:28; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 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
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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
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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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3; -345.6; 21-SEP-2011 04:12:10; Dark ; 55.5; 37; 25Del CMA ; 1.83; 5900;occ; 111; 0;49989
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
9; 5038.8; 21-SEP-2011 22:24:14; Dark ; 60.5; 8; 10Alp CMI ; 0.40; 6500;occ; 121; 0;50000
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2; 1096.4; 22-SEP-2011 00:38:59; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;50002
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; 10.8; 23-SEP-2011 01:24:23; Dark ; 47.0; 161; Tau Pup ; 2.93; 4500;occ; 94; 0;50017
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1; 911.7; 26-SEP-2011 19:51:58; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 80;50071
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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3; -491.6; 26-SEP-2011 12:47:39; Dark ; 49.0; 132; 15Rho Pup ; 2.80; 6900;occ; 98; 0;50066
4; -287.6; 26-SEP-2011 12:51:03; Dark ; 50.0; 88; 31Eta CMA ; 2.45; 20000;occ; 100; 0;50066
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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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2; 3034.7; 26-SEP-2011 15:26:39; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;50068
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
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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2; 138.1; 27-SEP-2011 10:41:10; Dark ; 58.5; 2; Alp Car ; -0.74; 7000;occ; 117; 0;50080
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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
4; 5532.6; 27-SEP-2011 12:11:05; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;50080
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
7; 5947.0; 27-SEP-2011 12:17:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;50080
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
10; 6893.5; 27-SEP-2011 12:33:46; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50081
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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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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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 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
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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; -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
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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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 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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 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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 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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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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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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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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