

GOMOS Daily Report 14-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	18SEP2011 07:03:56
Data source version	GOMOS/6.01
Start time of products	14SEP2011 06:46:32
Stop time of products	14SEP2011 23:54:52
Store outputs in DB	Yes
Nb of level 1b prods	48
Nb of prods with errors	0

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

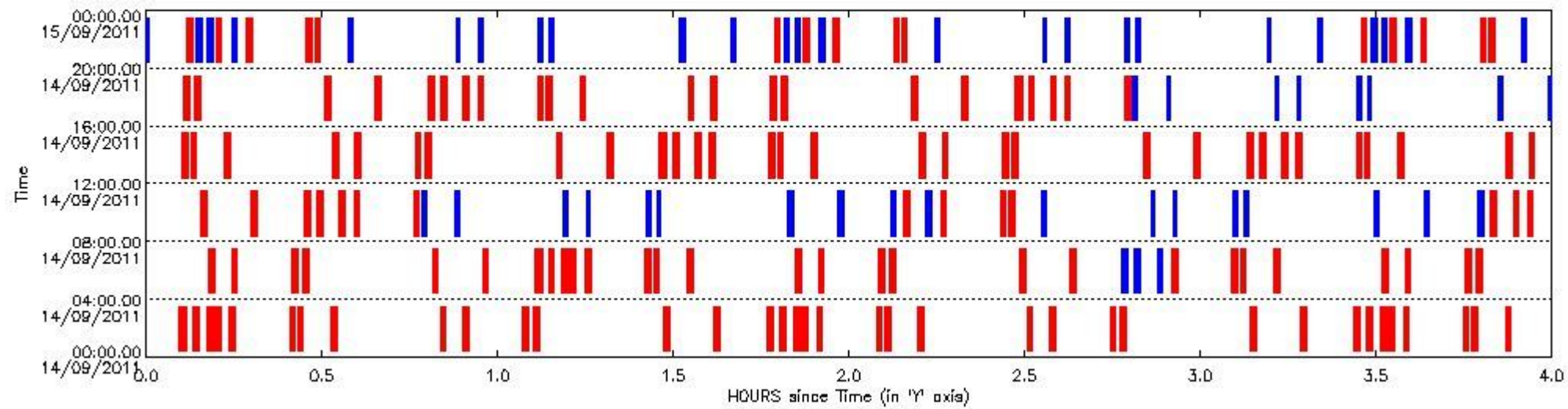
2.1 Level 0 products arrived in PCF (see template [here](#))

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
14-SEP-2011 00:05:36	9AlpCMa	1	49886
14-SEP-2011 00:07:52	21EpsCMa	23	49886
14-SEP-2011 00:10:15	1ZetCMa	177	49886
14-SEP-2011 00:11:39	DSA1059	0	49886
14-SEP-2011 00:14:10	AlpCar	2	49887
14-SEP-2011 00:24:26	AlpHyi	143	49887
14-SEP-2011 00:25:50	AlpEri	9	49887
14-SEP-2011 00:31:34	AlpPhe	84	49887
14-SEP-2011 00:50:10	54AlpPeg	90	49887
14-SEP-2011 00:54:02	53BetPeg	93	49887
14-SEP-2011 01:04:18	11BetCas	74	49887
14-SEP-2011 01:06:06	27GamCas	76	49887
14-SEP-2011 01:28:18	66AlpGem	24	49887
14-SEP-2011 01:36:53	10AlpCMi	8	49887
14-SEP-2011 01:45:51	9AlpCMa	1	49887

14-SEP-2011 01:48:07	21EpsCMA	23	49887
14-SEP-2011 01:50:30	1ZetCMA	177	49887
14-SEP-2011 01:51:54	DSA1059	0	49887
14-SEP-2011 01:54:25	AlpCar	2	49888
14-SEP-2011 02:04:40	AlpHyi	143	49888
14-SEP-2011 02:06:05	AlpEri	9	49888
14-SEP-2011 02:11:49	AlpPhe	84	49888
14-SEP-2011 02:30:24	54AlpPeg	90	49888
14-SEP-2011 02:34:16	53BetPeg	93	49888
14-SEP-2011 02:44:31	11BetCas	74	49888
14-SEP-2011 02:46:20	27GamCas	76	49888
14-SEP-2011 03:08:32	66AlpGem	24	49888
14-SEP-2011 03:17:07	10AlpCMi	8	49888
14-SEP-2011 03:26:06	9AlpCMA	1	49888
14-SEP-2011 03:28:21	21EpsCMA	23	49888
14-SEP-2011 03:30:45	1ZetCMA	177	49888
14-SEP-2011 03:32:09	DSA1059	0	49888
14-SEP-2011 03:34:39	AlpCar	2	49889
14-SEP-2011 03:44:55	AlpHyi	143	49889
14-SEP-2011 03:46:19	AlpEri	9	49889
14-SEP-2011 03:52:03	AlpPhe	84	49889
14-SEP-2011 04:10:37	54AlpPeg	90	49889
14-SEP-2011 04:14:30	53BetPeg	93	49889
14-SEP-2011 04:24:45	11BetCas	74	49889
14-SEP-2011 04:26:33	27GamCas	76	49889
14-SEP-2011 04:48:46	66AlpGem	24	49889
14-SEP-2011 04:57:22	10AlpCMi	8	49889
14-SEP-2011 05:06:21	9AlpCMA	1	49889
14-SEP-2011 05:08:36	21EpsCMA	23	49889
14-SEP-2011 05:11:00	1ZetCMA	177	49889
14-SEP-2011 05:12:24	DSA1059	0	49889
14-SEP-2011 05:14:54	AlpCar	2	49890
14-SEP-2011 05:25:09	AlpHyi	143	49890
14-SEP-2011 05:26:34	AlpEri	9	49890
14-SEP-2011 05:32:17	AlpPhe	84	49890
14-SEP-2011 05:50:51	54AlpPeg	90	49890
14-SEP-2011 05:54:43	53BetPeg	93	49890
14-SEP-2011 06:04:58	11BetCas	74	49890
14-SEP-2011 06:06:46	27GamCas	76	49890
14-SEP-2011 06:29:01	66AlpGem	24	49890
14-SEP-2011 06:37:36	10AlpCMi	8	49890
14-SEP-2011 06:55:09	AlpCar	2	49891
14-SEP-2011 07:05:24	AlpHyi	143	49891
14-SEP-2011 07:06:48	AlpEri	9	49891
14-SEP-2011 07:12:32	AlpPhe	84	49891
14-SEP-2011 07:31:05	54AlpPeg	90	49891
14-SEP-2011 07:34:57	53BetPeg	93	49891
14-SEP-2011 07:45:12	11BetCas	74	49891
14-SEP-2011 07:47:00	27GamCas	76	49891
14-SEP-2011 08:09:15	66AlpGem	24	49891
14-SEP-2011 08:17:51	10AlpCMi	8	49891
14-SEP-2011 08:26:51	9AlpCMA	1	49891
14-SEP-2011 08:29:06	21EpsCMA	23	49891
14-SEP-2011 08:32:53	DSA1059	0	49891
14-SEP-2011 08:35:23	AlpCar	2	49892
14-SEP-2011 08:45:38	AlpHyi	143	49892
14-SEP-2011 10:09:21	21EpsCMA	23	49892
14-SEP-2011 10:15:38	AlpCar	2	49893
14-SEP-2011 10:25:52	AlpHyi	143	49893

14-SEP-2011 10:27:17	AlpEri	9	49893
14-SEP-2011 11:49:35	21EpsCMa	23	49893
14-SEP-2011 11:53:23	DSA1059	0	49893
14-SEP-2011 11:55:52	AlpCar	2	49894
14-SEP-2011 12:06:07	AlpHyi	143	49894
14-SEP-2011 12:07:32	AlpEri	9	49894
14-SEP-2011 12:13:15	AlpPhe	84	49894
14-SEP-2011 12:31:46	54AlpPeg	90	49894
14-SEP-2011 12:35:38	53BetPeg	93	49894
14-SEP-2011 12:45:52	11BetCas	74	49894
14-SEP-2011 12:47:40	27GamCas	76	49894
14-SEP-2011 13:09:57	66AlpGem	24	49894
14-SEP-2011 13:18:34	10AlpCMi	8	49894
14-SEP-2011 13:27:36	9AlpCMa	1	49894
14-SEP-2011 13:29:50	21EpsCMa	23	49894
14-SEP-2011 13:33:38	DSA1059	0	49894
14-SEP-2011 13:36:07	AlpCar	2	49895
14-SEP-2011 13:46:21	AlpHyi	143	49895
14-SEP-2011 13:47:46	AlpEri	9	49895
14-SEP-2011 13:53:29	AlpPhe	84	49895
14-SEP-2011 14:12:00	54AlpPeg	90	49895
14-SEP-2011 14:15:52	53BetPeg	93	49895
14-SEP-2011 14:26:06	11BetCas	74	49895
14-SEP-2011 14:27:53	27GamCas	76	49895
14-SEP-2011 14:50:11	66AlpGem	24	49895
14-SEP-2011 14:58:49	10AlpCMi	8	49895
14-SEP-2011 15:07:51	9AlpCMa	1	49895
14-SEP-2011 15:10:05	21EpsCMa	23	49895
14-SEP-2011 15:13:53	DSA1059	0	49895
14-SEP-2011 15:16:21	AlpCar	2	49896
14-SEP-2011 15:26:36	AlpHyi	143	49896
14-SEP-2011 15:28:01	AlpEri	9	49896
14-SEP-2011 15:33:44	AlpPhe	84	49896
14-SEP-2011 15:52:14	54AlpPeg	90	49896
14-SEP-2011 15:56:06	53BetPeg	93	49896
14-SEP-2011 16:06:19	11BetCas	74	49896
14-SEP-2011 16:08:07	27GamCas	76	49896
14-SEP-2011 16:30:25	66AlpGem	24	49896
14-SEP-2011 16:39:03	10AlpCMi	8	49896
14-SEP-2011 16:48:06	9AlpCMa	1	49896
14-SEP-2011 16:50:20	21EpsCMa	23	49896
14-SEP-2011 16:54:08	DSA1059	0	49896
14-SEP-2011 16:56:36	AlpCar	2	49897
14-SEP-2011 17:06:50	AlpHyi	143	49897
14-SEP-2011 17:08:15	AlpEri	9	49897
14-SEP-2011 17:13:58	AlpPhe	84	49897
14-SEP-2011 17:32:28	54AlpPeg	90	49897
14-SEP-2011 17:36:19	53BetPeg	93	49897
14-SEP-2011 17:46:33	11BetCas	74	49897
14-SEP-2011 17:48:20	27GamCas	76	49897
14-SEP-2011 18:10:39	66AlpGem	24	49897
14-SEP-2011 18:19:18	10AlpCMi	8	49897
14-SEP-2011 18:28:21	9AlpCMa	1	49897
14-SEP-2011 18:30:35	21EpsCMa	23	49897
14-SEP-2011 18:34:23	DSA1059	0	49897
14-SEP-2011 18:36:51	AlpCar	2	49898
14-SEP-2011 18:47:05	AlpHyi	143	49898
14-SEP-2011 20:06:57	15RhoPup	132	49898
14-SEP-2011 20:11:53	PiPup	117	49898

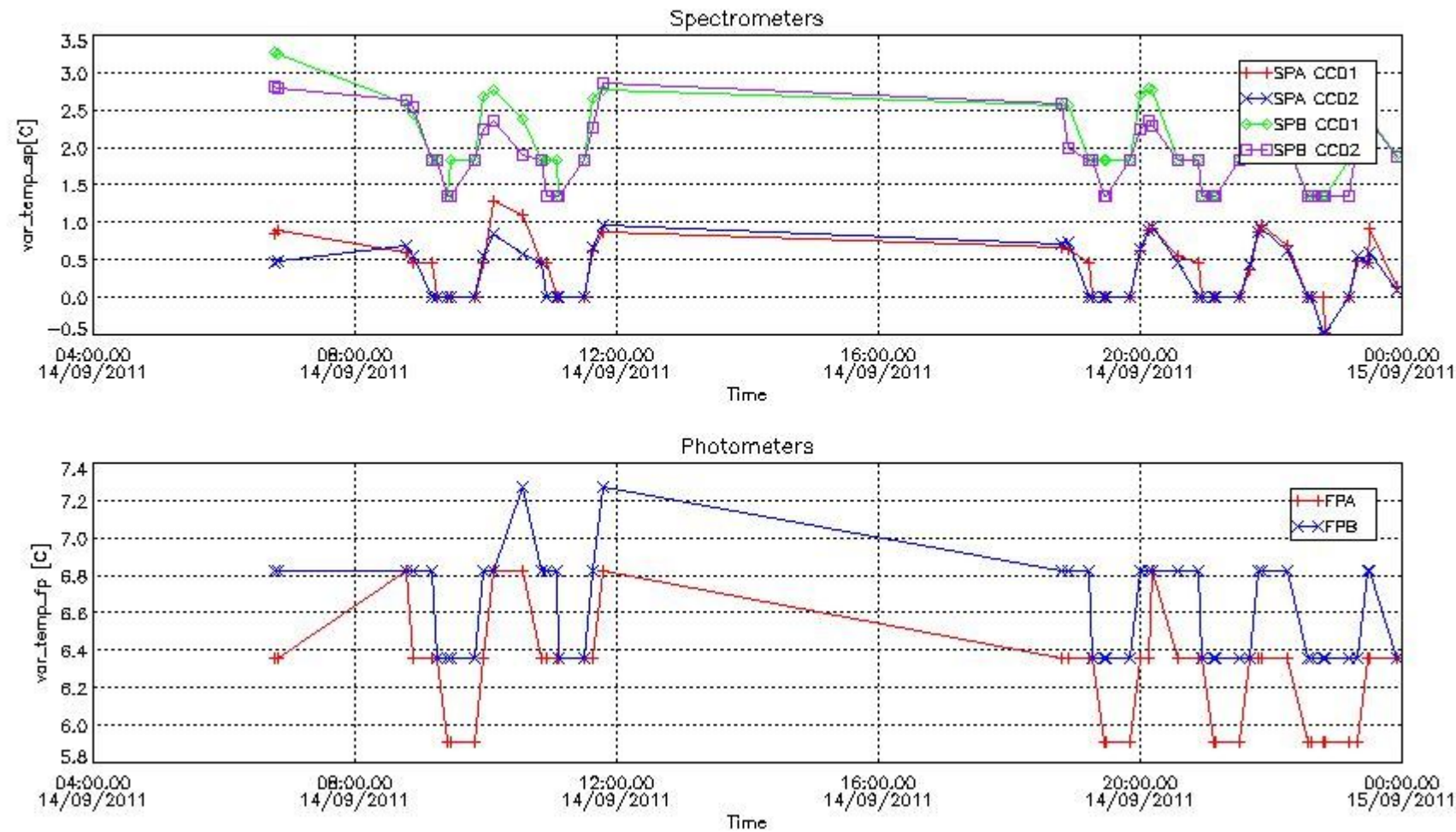
14-SEP-2011 20:17:05	AlpCar	2	49899
14-SEP-2011 20:27:19	AlpHyi	143	49899
14-SEP-2011 20:28:44	AlpEri	9	49899
14-SEP-2011 21:47:12	15RhoPup	132	49899
14-SEP-2011 21:52:07	PiPup	117	49899
14-SEP-2011 21:57:20	AlpCar	2	49900
14-SEP-2011 22:07:34	AlpHyi	143	49900
14-SEP-2011 22:08:59	AlpEri	9	49900
14-SEP-2011 23:27:26	15RhoPup	132	49900
14-SEP-2011 23:32:22	PiPup	117	49900
14-SEP-2011 23:37:34	AlpCar	2	49901
14-SEP-2011 23:47:48	AlpHyi	143	49901
14-SEP-2011 23:49:13	AlpEri	9	49901

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_1PNPDK20110914_064632_000000643106_00307_49890_4792.N1	14-SEP-2011 06:46:32	Dark	63.500	1	9Alp CMa	-1.4400	11000.	127	49890	No
2	GOM_TRA_1PNPDK20110914_064847_000000503106_00307_49890_4793.N1	14-SEP-2011 06:48:47	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	49890	No
3	GOM_TRA_1PNPDK20110914_084659_000000553106_00309_49892_4829.N1	14-SEP-2011 08:46:59	Dark	54.500	9	Alp Eri	0.45300	24000.	109	49892	No
4	GOM_TRA_1PNPDK20110914_085242_000000453106_00309_49892_4830.N1	14-SEP-2011 08:52:42	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	49892	No
5	GOM_TRA_1PNPDK20110914_091115_000000403106_00309_49892_4897.N1	14-SEP-2011 09:11:15	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	49892	No
6	GOM_TRA_1PNPDK20110914_091507_000000413106_00309_49892_4898.N1	14-SEP-2011 09:15:07	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	49892	No
7	GOM_TRA_1PNPDK20110914_092521_000000423106_00309_49892_4899.N1	14-SEP-2011 09:25:21	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	49892	No
8	GOM_TRA_1PNPDK20110914_092709_000000443106_00309_49892_4900.N1	14-SEP-2011 09:27:09	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	49892	No
9	GOM_TRA_1PNPDK20110914_094925_000000633106_00309_49892_4901.N1	14-SEP-2011 09:49:25	Bright	63.000	24	66Alp Gem	1.5800	10200.	126	49892	No
10	GOM_TRA_1PNPDK20110914_095801_000000583106_00309_49892_4902.N1	14-SEP-2011 09:58:01	Twilight	57.500	8	10Alp CMi	0.40000	6500.0	115	49892	No
11	GOM_TRA_1PNPDK20110914_100702_000000583106_00309_49892_4903.N1	14-SEP-2011 10:07:02	Dark	58.000	1	9Alp CMa	-1.4400	11000.	116	49892	No
12	GOM_TRA_1PNPDK20110914_103257_000000443106_00310_49893_4904.N1	14-SEP-2011 10:32:57	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	49893	No
13	GOM_TRA_1PNPDK20110914_105129_000000413106_00310_49893_4970.N1	14-SEP-2011 10:51:29	Bright	41.000	90	54Alp Peg	2.4870	11000.	82	49893	No
14	GOM_TRA_1PNPDK20110914_105521_000000403106_00310_49893_4971.N1	14-SEP-2011 10:55:21	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	49893	No
15	GOM_TRA_1PNPDK20110914_110535_000000423106_00310_49893_4972.N1	14-SEP-2011 11:05:35	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	49893	No
16	GOM_TRA_1PNPDK20110914_110723_000000433106_00310_49893_4973.N1	14-SEP-2011 11:07:23	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	49893	No
17	GOM_TRA_1PNPDK20110914_112939_000000443106_00310_49893_4974.N1	14-SEP-2011 11:29:39	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	49893	No
18	GOM_TRA_1PNPDK20110914_113816_000000523106_00310_49893_4975.N1	14-SEP-2011 11:38:16	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	49893	No
19	GOM_TRA_1PNPDK20110914_114717_000000613106_00310_49893_4976.N1	14-SEP-2011 11:47:17	Dark	61.000	1	9Alp CMa	-1.4400	11000.	122	49893	No
20	GOM_TRA_1PNPDK20110914_184826_000000513106_00315_49898_5095.N1	14-SEP-2011 18:48:26	Dark	51.000	9	Alp Eri	0.45300	24000.	102	49898	No
21	GOM_TRA_1PNPDK20110914_185409_000000483106_00315_49898_5133.N1	14-SEP-2011 18:54:09	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	49898	No
22	GOM_TRA_1PNPDK20110914_191238_000000403106_00315_49898_5134.N1	14-SEP-2011 19:12:38	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	49898	No
23	GOM_TRA_1PNPDK20110914_191629_000000423106_00315_49898_5135.N1	14-SEP-2011 19:16:29	Bright	42.000	93	53Bet Peg	2.5200	3100.0	84	49898	No
24	GOM_TRA_1PNPDK20110914_192643_000000423106_00315_49898_5136.N1	14-SEP-2011 19:26:43	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	49898	No
25	GOM_TRA_1PNPDK20110914_192830_000000433106_00315_49898_5137.N1	14-SEP-2011 19:28:30	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	49898	No
26	GOM_TRA_1PNPDK20110914_195049_000000443106_00315_49898_5138.N1	14-SEP-2011 19:50:49	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	49898	No
27	GOM_TRA_1PNPDK20110914_195928_000000543106_00315_49898_5139.N1	14-SEP-2011 19:59:28	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	49898	No
28	GOM_TRA_1PNPDK20110914_200832_000000643106_00315_49898_5140.N1	14-SEP-2011 20:08:32	Dark	64.000	1	9Alp CMa	-1.4400	11000.	128	49898	No
29	GOM_TRA_1PNPDK20110914_201025_000000533106_00315_49898_5141.N1	14-SEP-2011 20:10:25	Dark	53.000	47	2Bet CMa	1.9760	28000.	106	49898	No
30	GOM_TRA_1PNPDE20110914_203423_000000503106_00316_49899_7141.N1	14-SEP-2011 20:34:23	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	49899	No
31	GOM_TRA_1PNPDE20110914_205252_000000403106_00316_49899_7142.N1	14-SEP-2011 20:52:52	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	49899	No
32	GOM_TRA_1PNPDE20110914_205643_000000393106_00316_49899_7143.N1	14-SEP-2011 20:56:43	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	49899	No
33	GOM_TRA_1PNPDE20110914_210656_000000423106_00316_49899_7144.N1	14-SEP-2011 21:06:56	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	49899	No
34	GOM_TRA_1PNPDE20110914_210843_000000443106_00316_49899_7145.N1	14-SEP-2011 21:08:43	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	49899	No
35	GOM_TRA_1PNPDE20110914_213104_000000573106_00316_49899_7146.N1	14-SEP-2011 21:31:04	Bright	56.500	24	66Alp Gem	1.5800	10200.	113	49899	No
36	GOM_TRA_1PNPDE20110914_213943_000000543106_00316_49899_7147.N1	14-SEP-2011 21:39:43	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	49899	No
37	GOM_TRA_1PNPDE20110914_214847_000000593106_00316_49899_7165.N1	14-SEP-2011 21:48:47	Dark	59.000	1	9Alp CMa	-1.4400	11000.	118	49899	No
38	GOM_TRA_1PNPDE20110914_215040_000000533106_00316_49899_7166.N1	14-SEP-2011 21:50:40	Dark	53.000	47	2Bet CMa	1.9760	28000.	106	49899	No
39	GOM_TRA_1PNPDE20110914_221437_000000433106_00317_49900_7167.N1	14-SEP-2011 22:14:37	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	49900	No
40	GOM_TRA_1PNPDE20110914_223305_000000403106_00317_49900_7168.N1	14-SEP-2011 22:33:05	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	49900	No
41	GOM_TRA_1PNPDE20110914_223657_000000393106_00317_49900_7169.N1	14-SEP-2011 22:36:57	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	49900	No

42	GOM_TRA_1PNPDE20110914_224710_000000403106_00317_49900_7170.N1	14-SEP-2011 22:47:10	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	49900	No
43	GOM_TRA_1PNPDE20110914_224857_000000433106_00317_49900_7171.N1	14-SEP-2011 22:48:57	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	49900	No
44	GOM_TRA_1PNPDE20110914_231118_000000443106_00317_49900_7172.N1	14-SEP-2011 23:11:18	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	49900	No
45	GOM_TRA_1PNPDE20110914_231957_000000543106_00317_49900_7173.N1	14-SEP-2011 23:19:57	Twilight	54.000	8	10Alp CMi	0.40000	6500.0	108	49900	No
46	GOM_TRA_1PNPDE20110914_232902_000000653106_00317_49900_7188.N1	14-SEP-2011 23:29:02	Dark	64.500	1	9Alp CMa	-1.4400	11000.	129	49900	No
47	GOM_TRA_1PNPDE20110914_233055_000000473106_00317_49900_7189.N1	14-SEP-2011 23:30:55	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	49900	No
48	GOM_TRA_1PNPDE20110914_235452_000000463106_00318_49901_7190.N1	14-SEP-2011 23:54:52	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	49901	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).

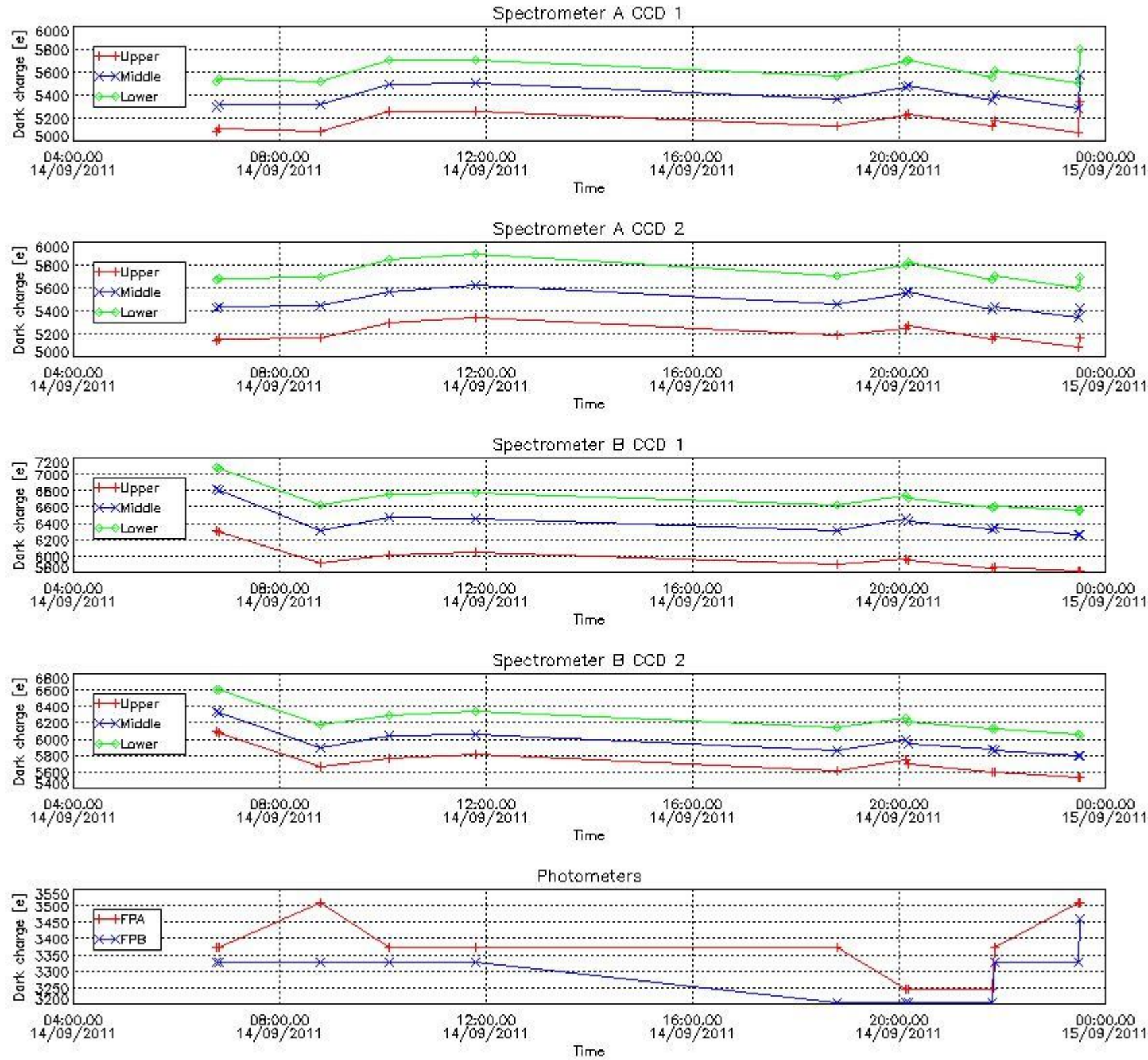
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDK20110914_084659_000000553106_00309_49892_4829.N1	DC map used
GOM_TRA_1PNPDK20110914_085242_000000453106_00309_49892_4830.N1	DC map used
GOM_TRA_1PNPDK20110914_105129_000000413106_00310_49893_4970.N1	DC map used

GOM_TRA_1PNPDK20110914_105521_000000403106_00310_49893_4971.N1	DC map used
GOM_TRA_1PNPDK20110914_110535_000000423106_00310_49893_4972.N1	DC map used
GOM_TRA_1PNPDK20110914_110723_000000433106_00310_49893_4973.N1	DC map used
GOM_TRA_1PNPDK20110914_112939_000000443106_00310_49893_4974.N1	DC map used
GOM_TRA_1PNPDK20110914_113816_000000523106_00310_49893_4975.N1	DC map used
GOM_TRA_1PNPDK20110914_114717_000000613106_00310_49893_4976.N1	DC map used
GOM_TRA_1PNPDK20110914_184826_000000513106_00315_49898_5095.N1	DC map used
GOM_TRA_1PNPDE20110914_203423_000000503106_00316_49899_7141.N1	DC map used
GOM_TRA_1PNPDE20110914_205252_000000403106_00316_49899_7142.N1	DC map used
GOM_TRA_1PNPDE20110914_205643_000000393106_00316_49899_7143.N1	DC map used
GOM_TRA_1PNPDE20110914_210656_000000423106_00316_49899_7144.N1	DC map used
GOM_TRA_1PNPDE20110914_210843_000000443106_00316_49899_7145.N1	DC map used
GOM_TRA_1PNPDE20110914_213104_000000573106_00316_49899_7146.N1	DC map used
GOM_TRA_1PNPDE20110914_213943_000000543106_00316_49899_7147.N1	DC map used

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



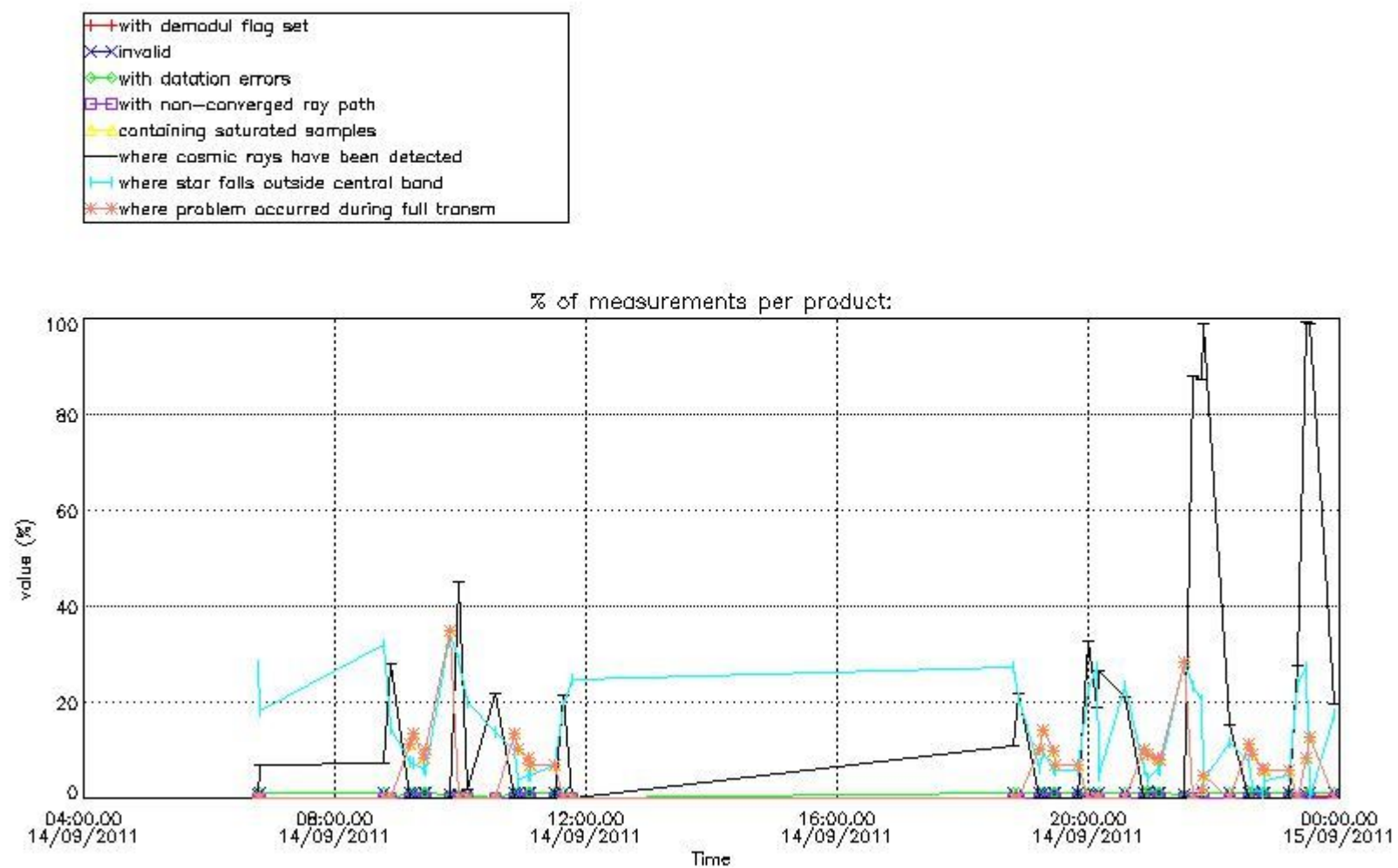
5. Demodulation flag and quality information monitoring

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.

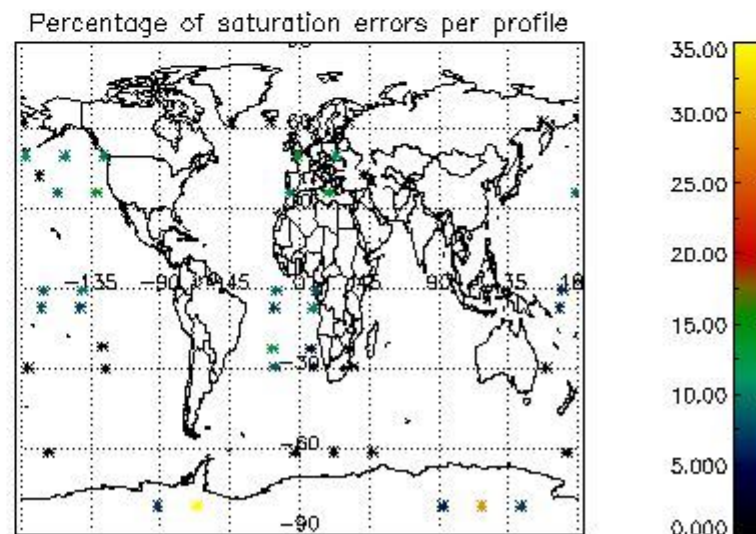
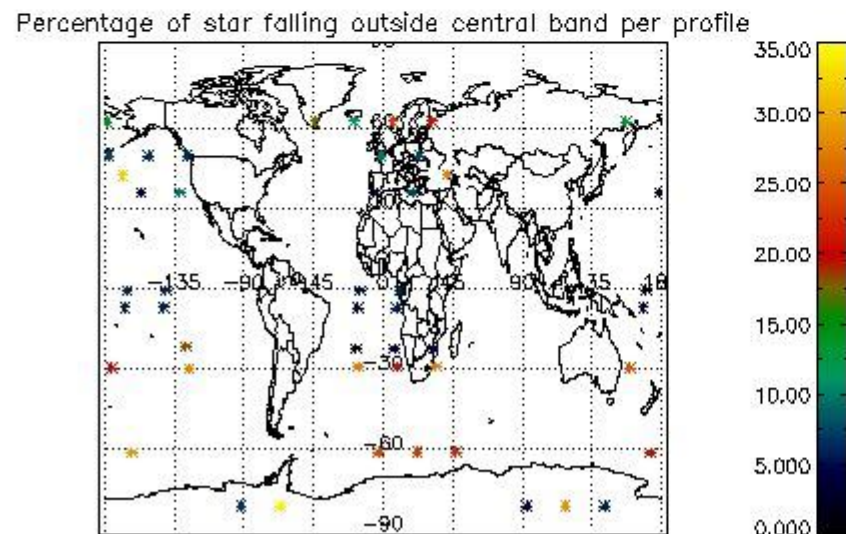
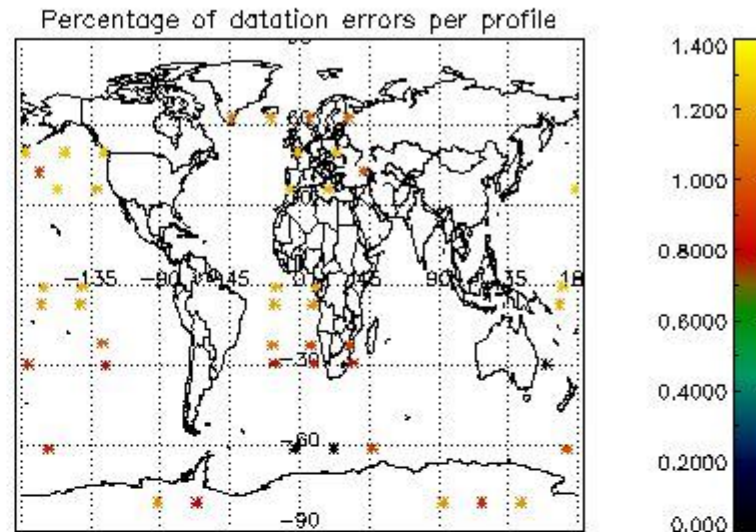
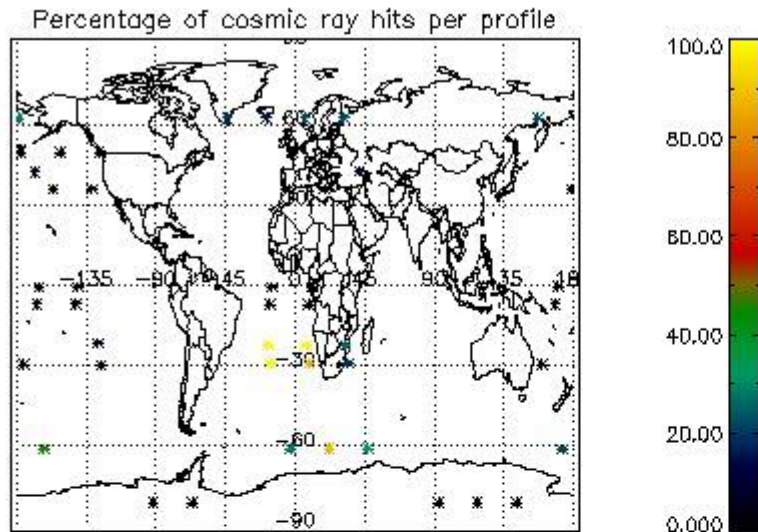
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	47.9167 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	52.0833 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



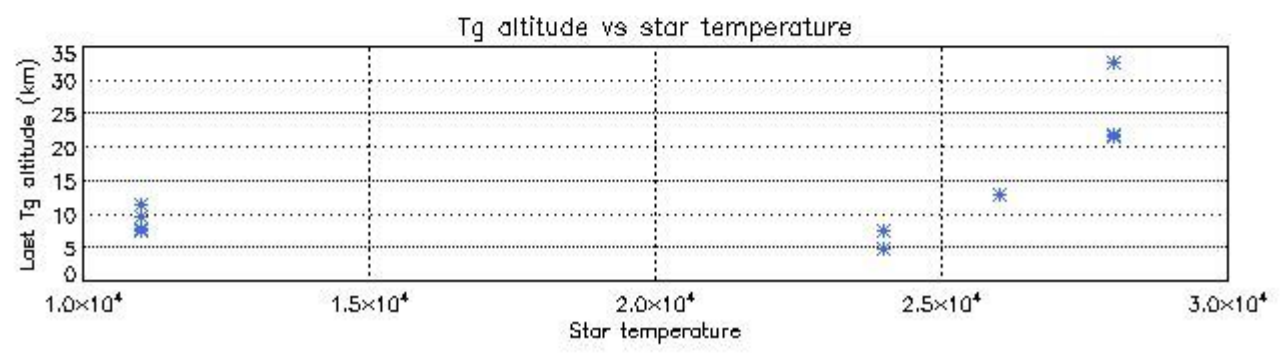
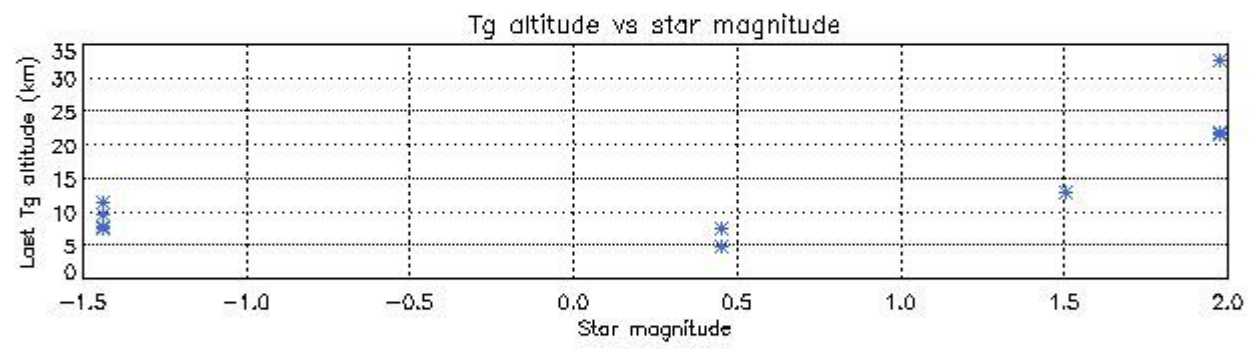
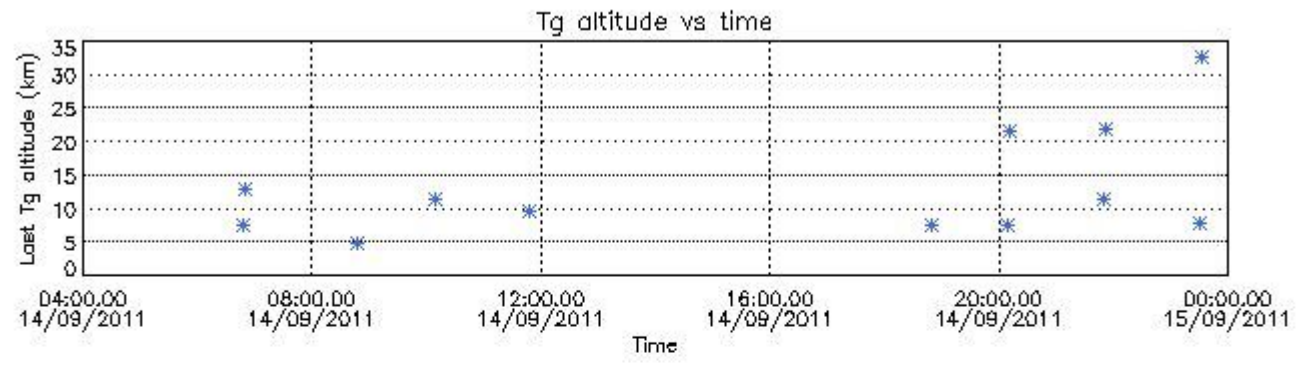
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.034	19.586	9.7522
St. deviation:	8.2005	4.3562	1.7800
Maximum:	32.554	24.160	11.765
Minimum:	4.8342	3.9741	6.8778
Number of data:	12.000	25.000	5.0000

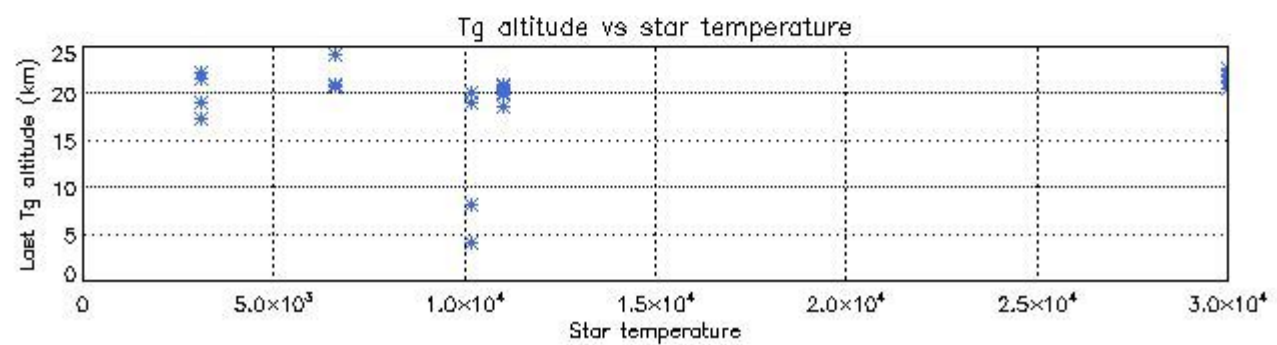
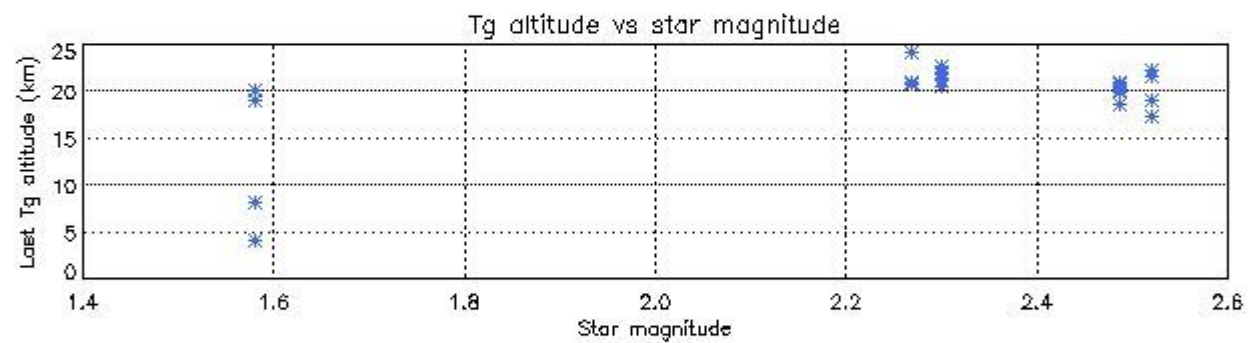
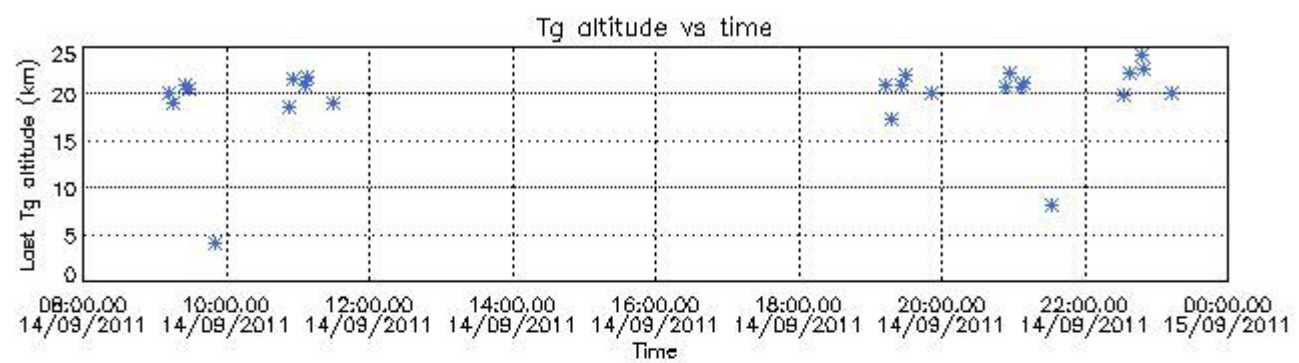
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



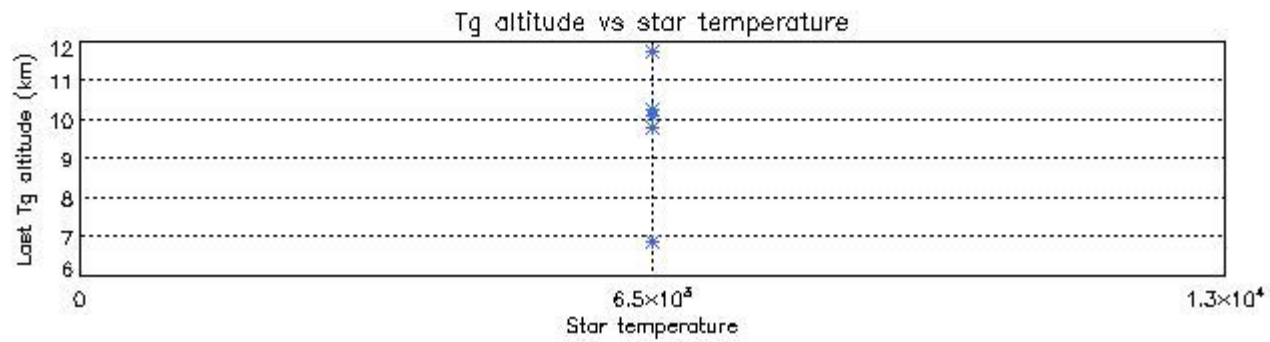
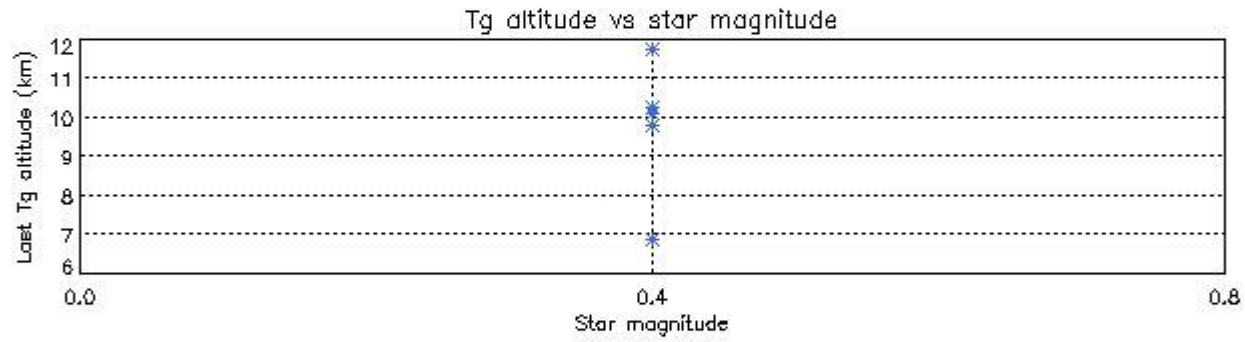
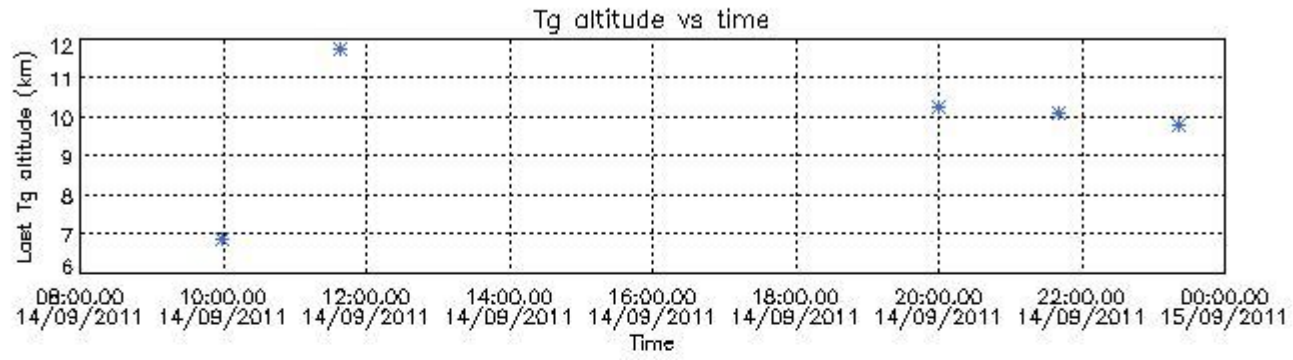
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

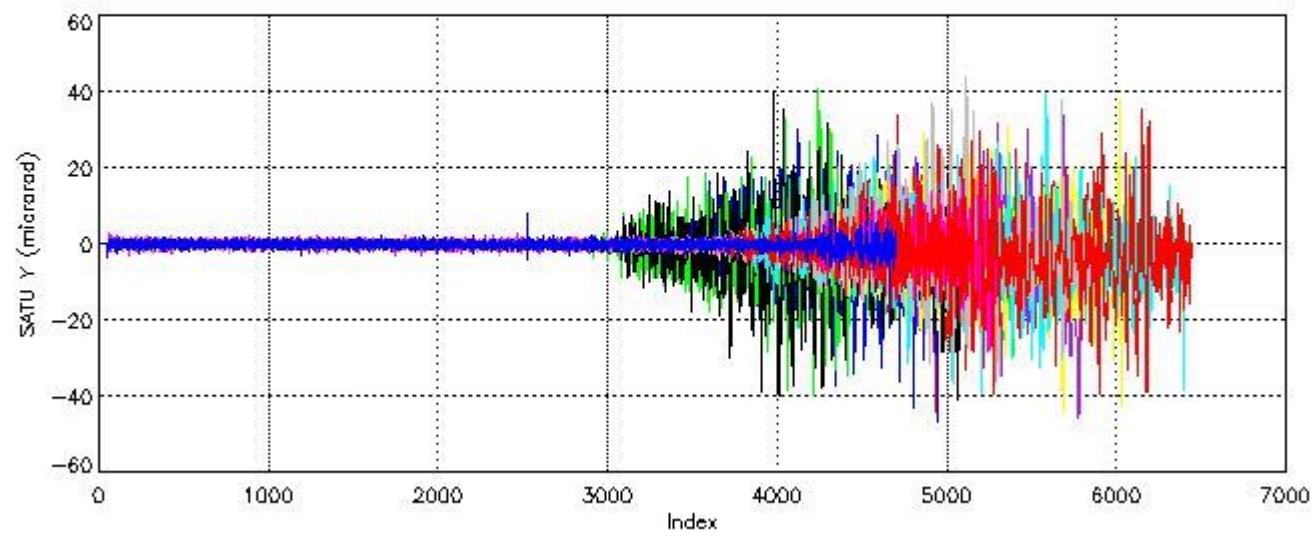
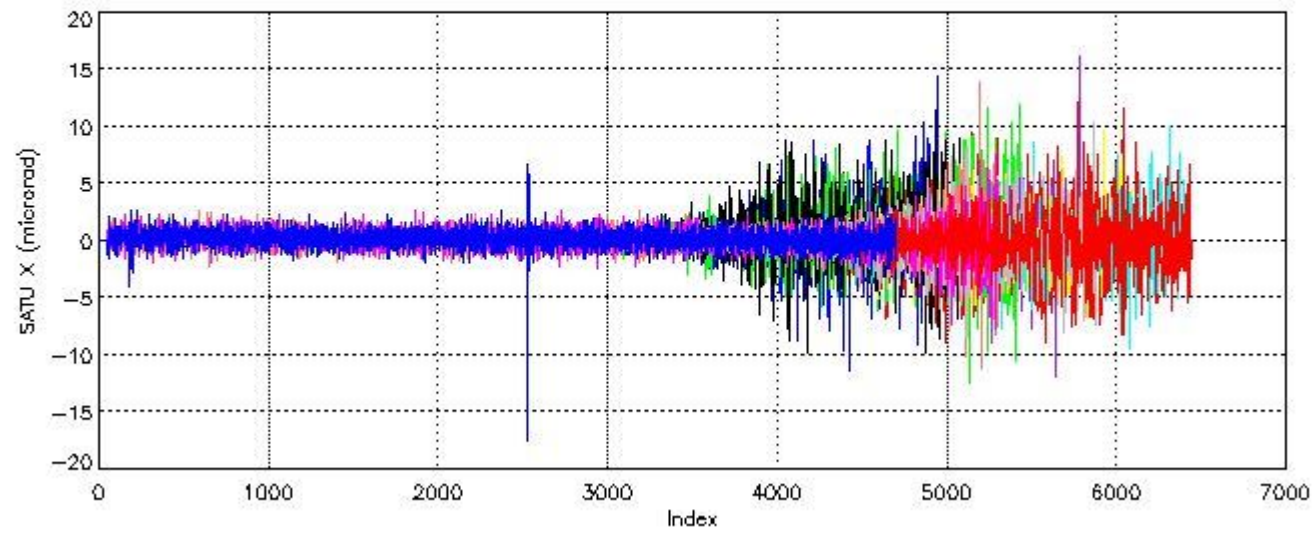


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.27014	-0.23547	0.23317	-0.23498
St. deviation:	0.33803	0.44926	0.66171	0.73900
Maximum:	2.7000	2.4000	4.1000	4.5000
Minimum:	-4.0000	-3.6000	-3.1000	-5.2000

Number of data:	14150.	14150.	24550.	24550.
90Percentile:	0.70000	0.30000	1.10000	0.70000

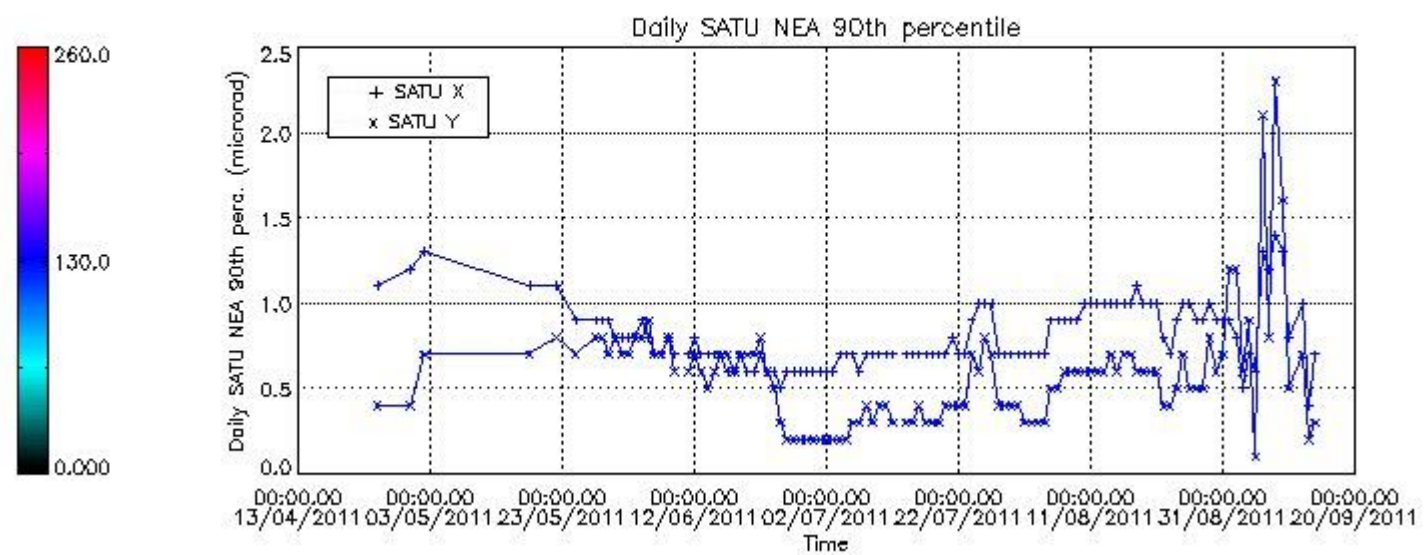
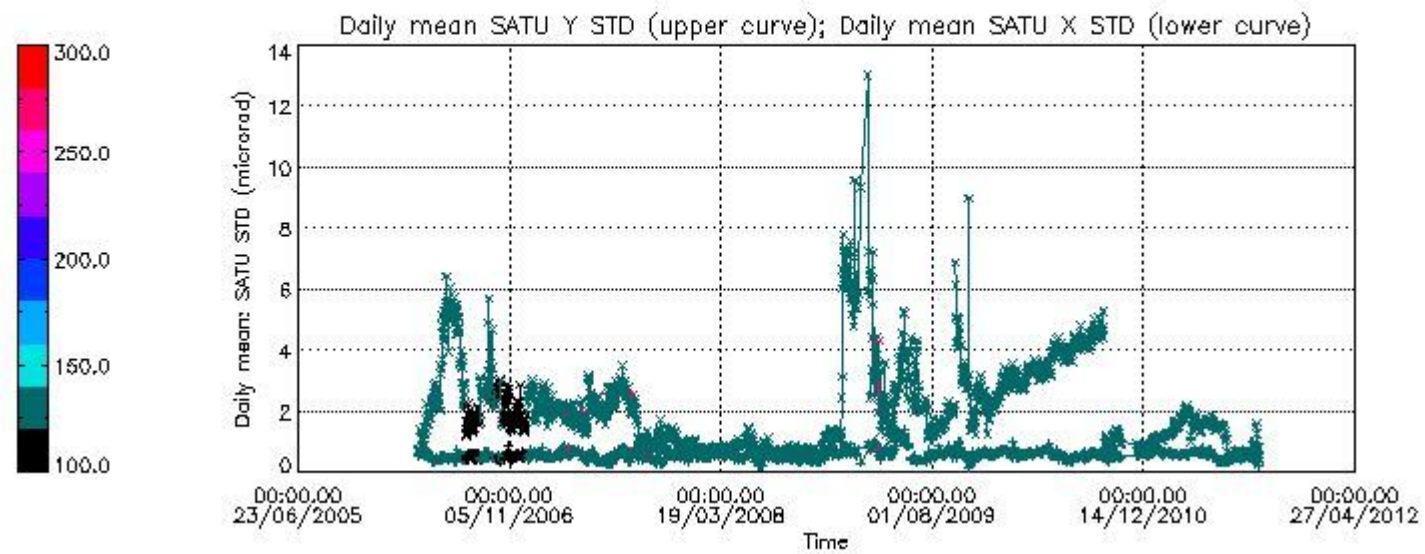
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

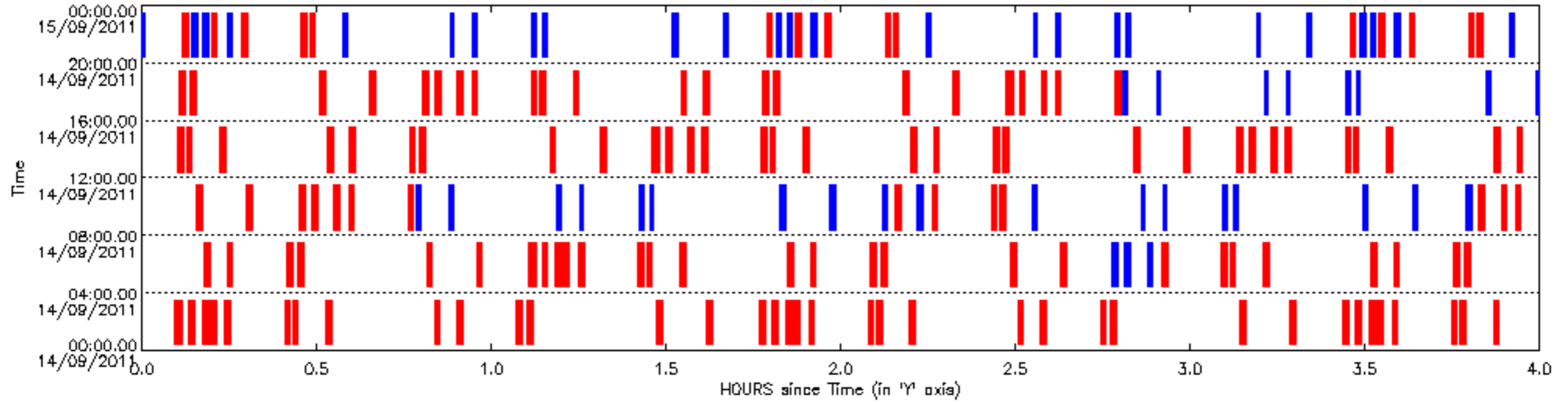
Lower curve: STD of SATU X axis

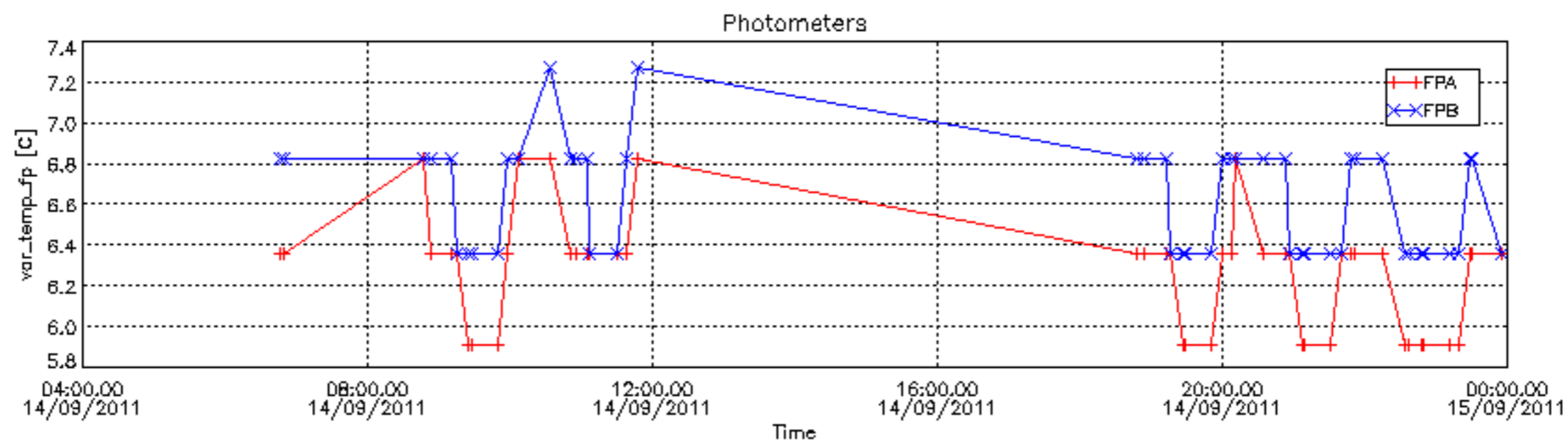
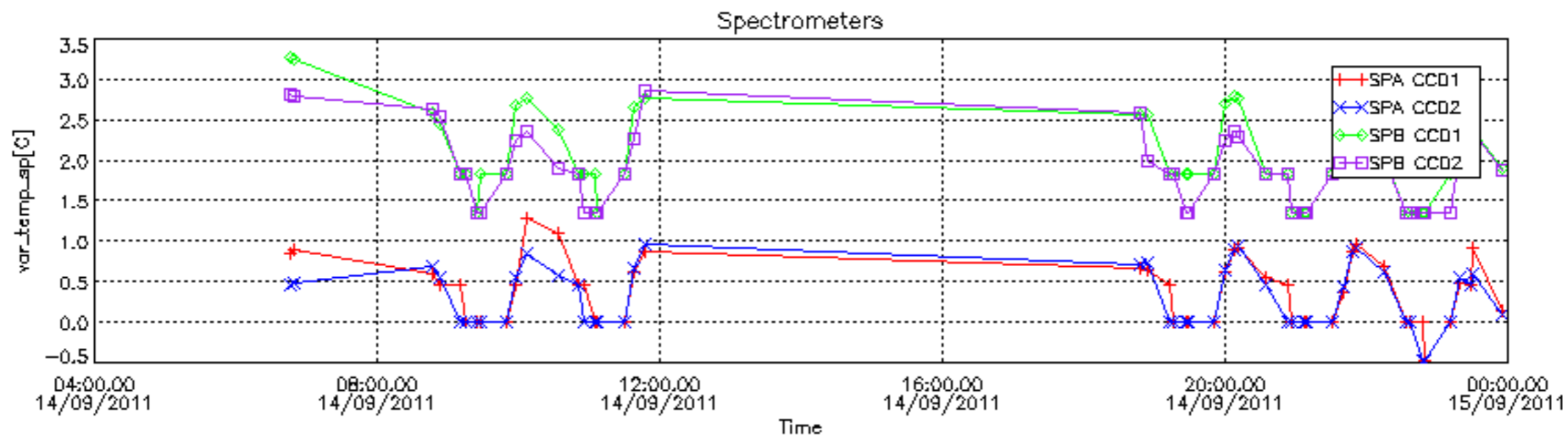


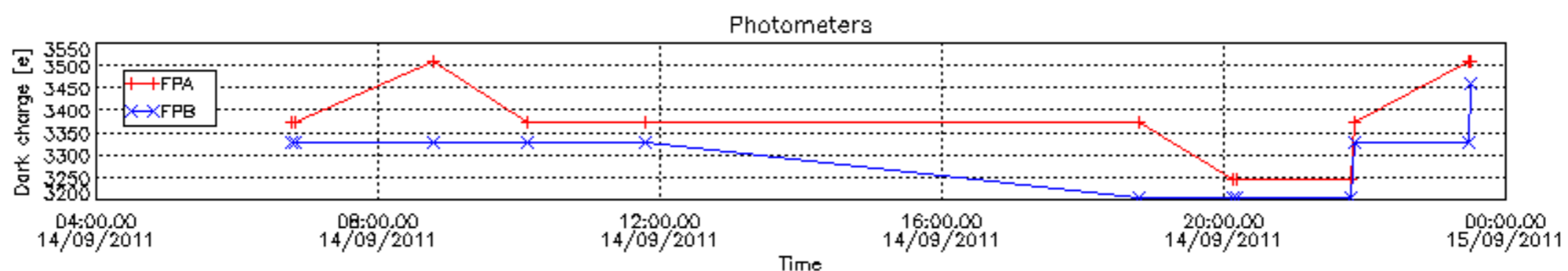
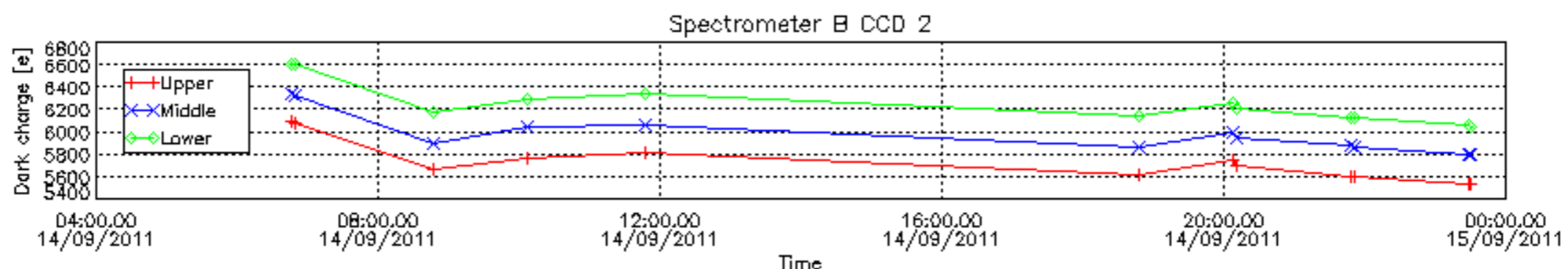
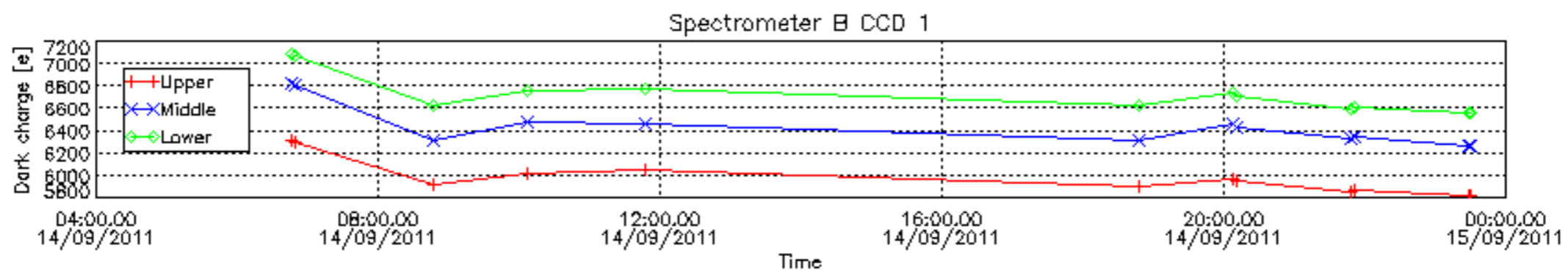
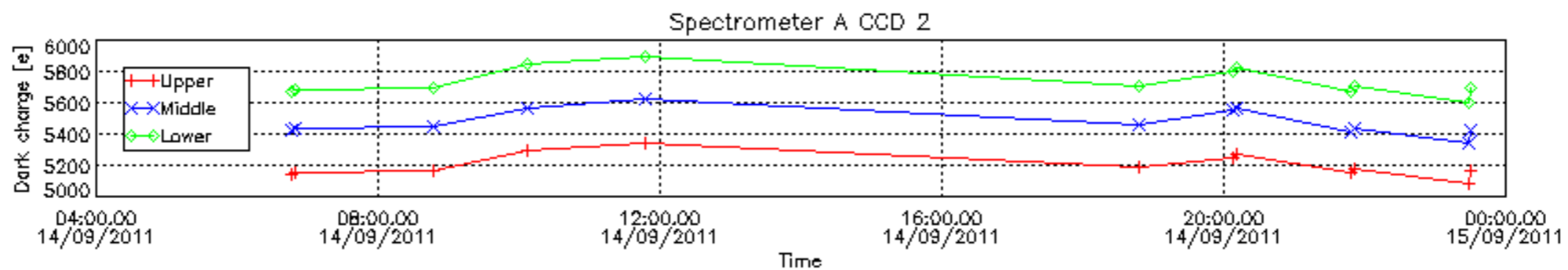
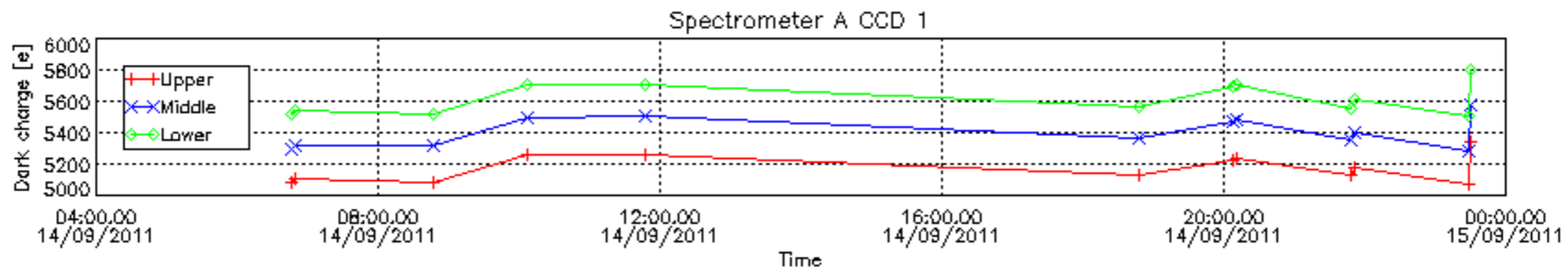
8. Auxiliary Data Files used for the production reported in section 2.4

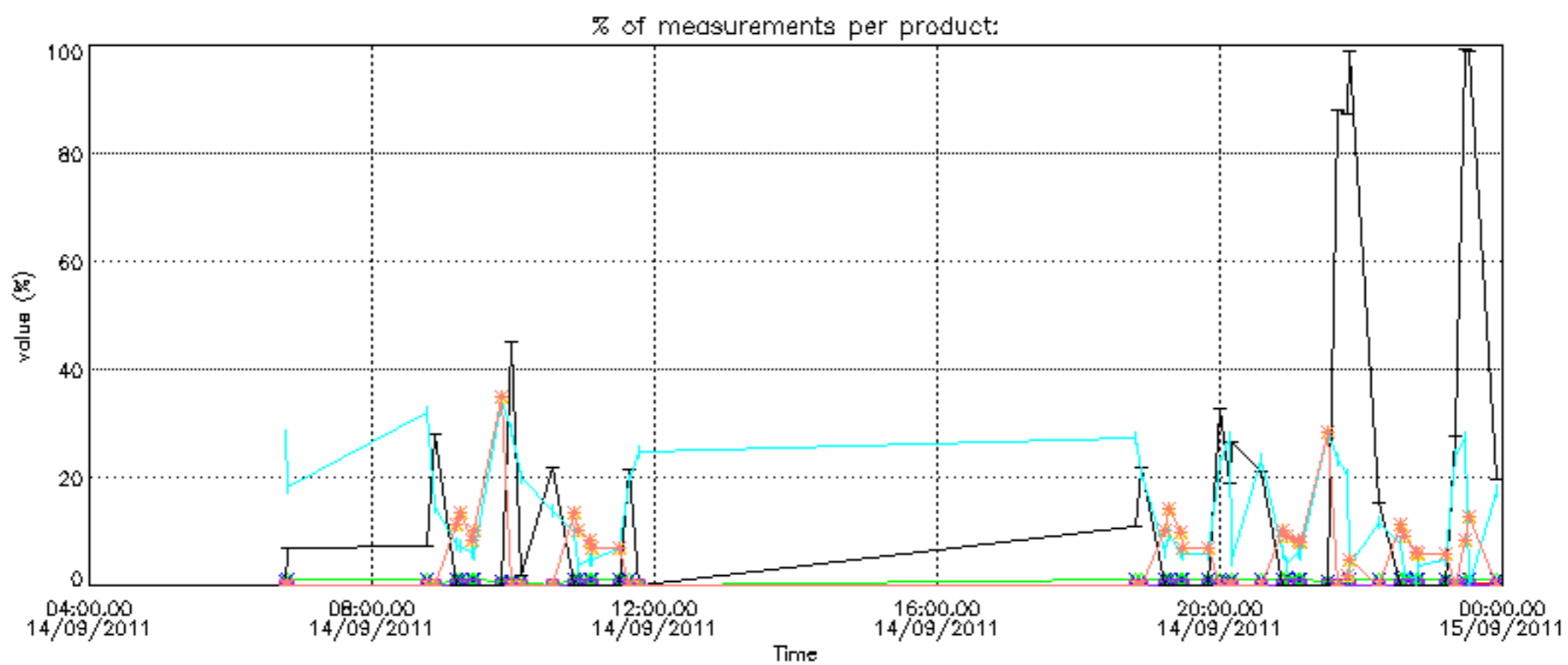
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-SEP-2011 06:46:32
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110908_133537_20110907_000000_20500101_000000	1	14-SEP-2011 06:46:32
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	14-SEP-2011 06:46:32
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	14-SEP-2011 06:46:32
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	14-SEP-2011 06:46:32
ECMWF_FILE	AUX_ECF_AXNECM20110913_182117_20110914_030000_20110914_150000	1	14-SEP-2011 06:46:32
ECMWF_FILE	AUX_ECA_AXNECM20110914_175136_20110914_090000_20110914_210000	20	14-SEP-2011 18:48:26
ECMWF_FILE	AUX_ECF_AXNECM20110914_062114_20110914_150000_20110915_030000	30	14-SEP-2011 20:34:23
ECMWF_FILE	AUX_ECF_AXNECM20110914_062115_20110914_210000_20110915_090000	37	14-SEP-2011 21:48:47
OPTIONAL_ECMWF_FILE	MISSING	1	14-SEP-2011 06:46:32
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110912_102114_20110911_184630_20110921_210015	1	14-SEP-2011 06:46:32
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110914_102113_20110913_191316_20110923_212700	30	14-SEP-2011 20:34:23

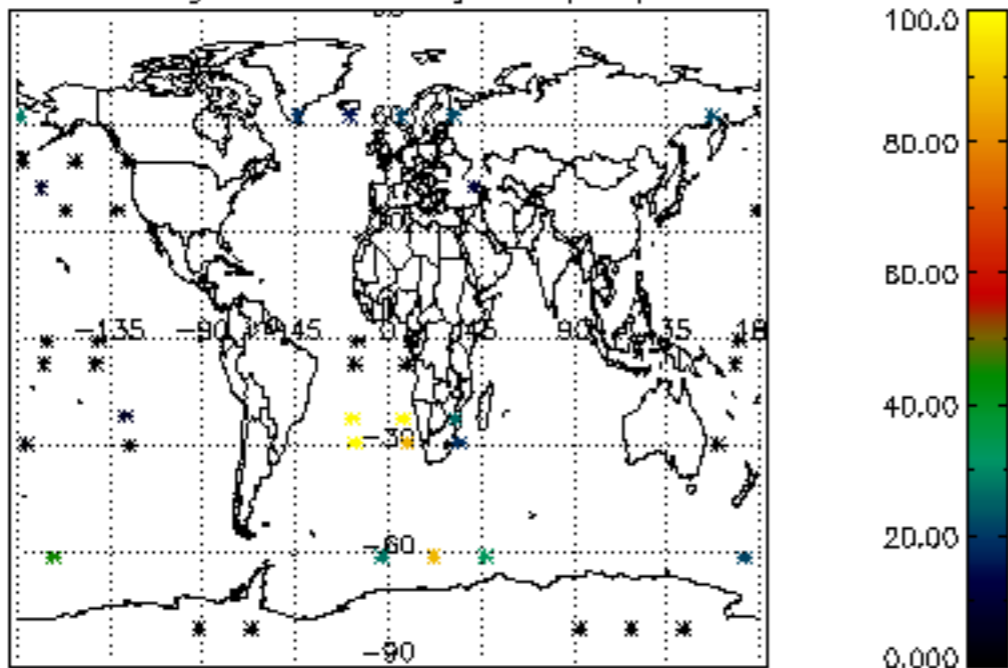




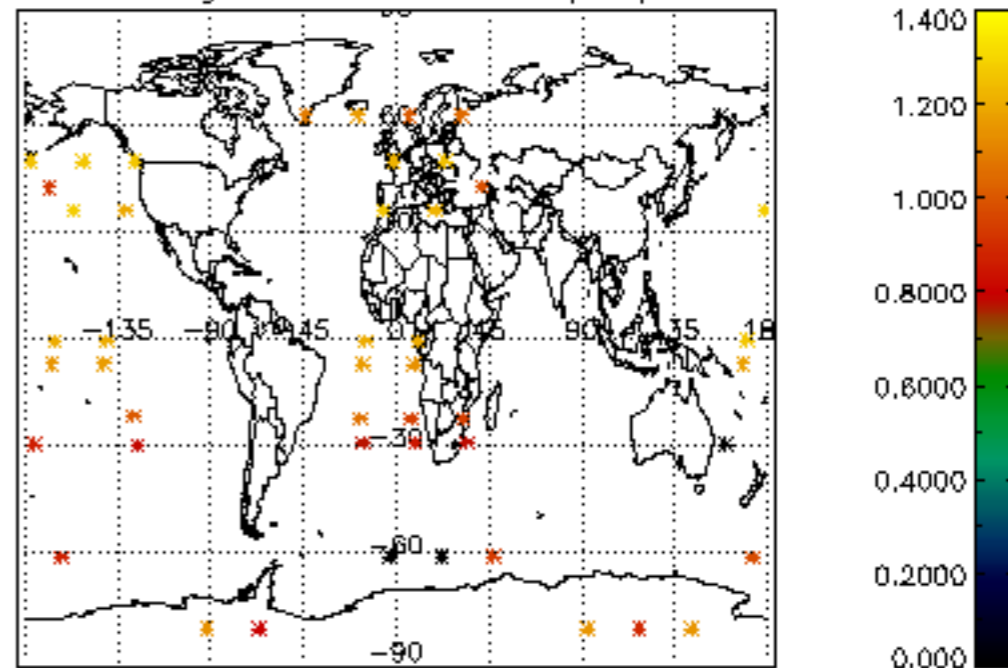




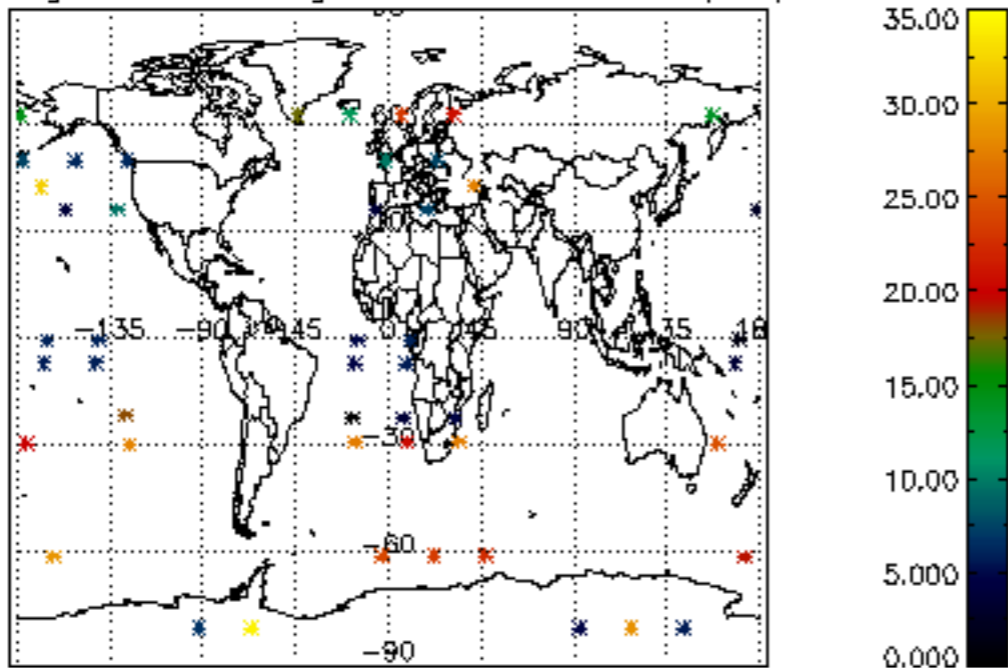
Percentage of cosmic ray hits per profile



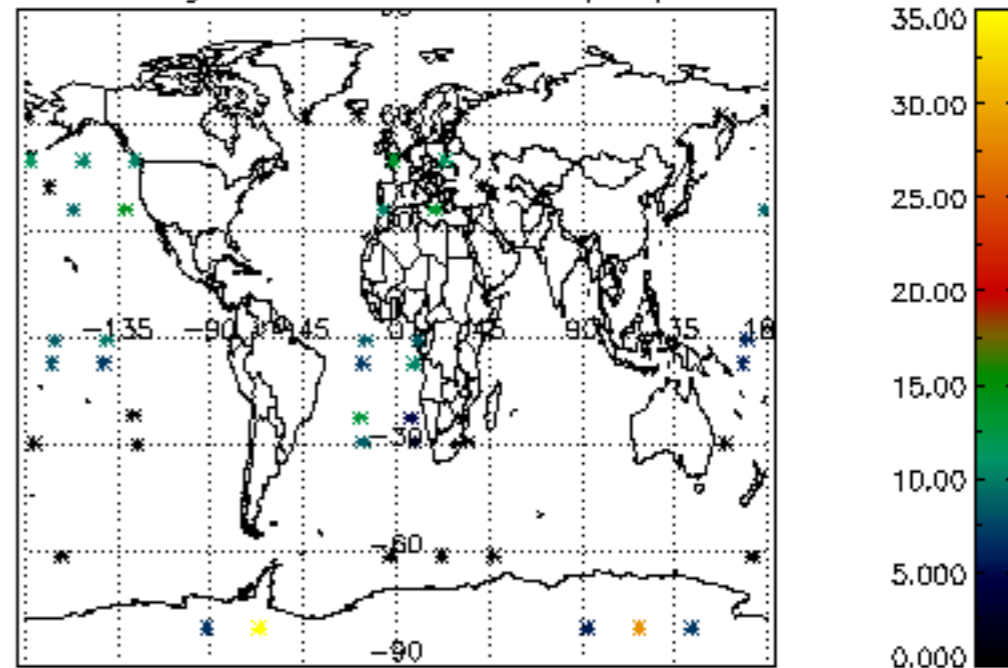
Percentage of datation errors per profile



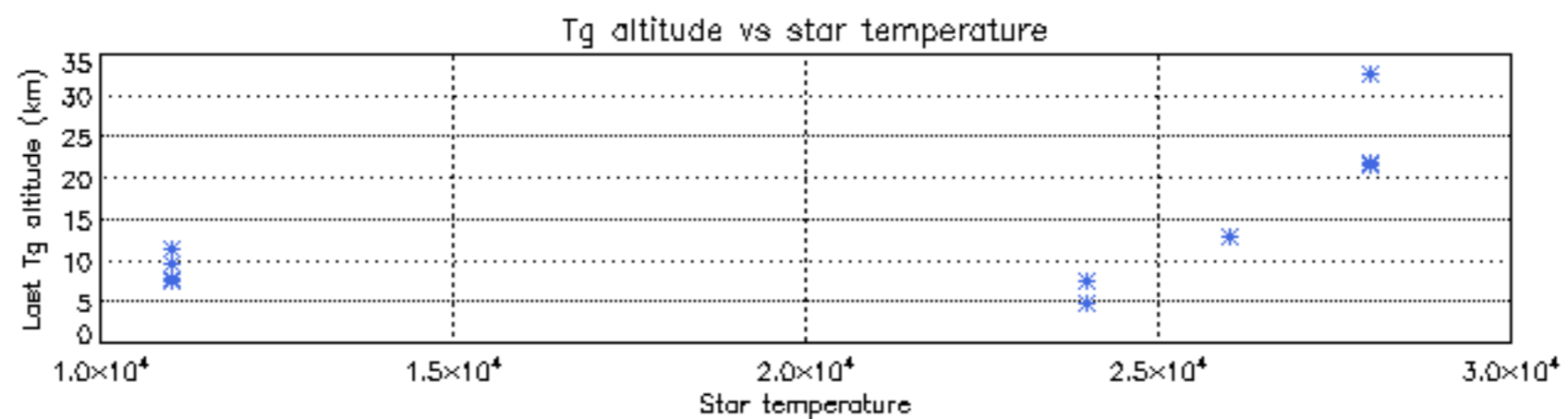
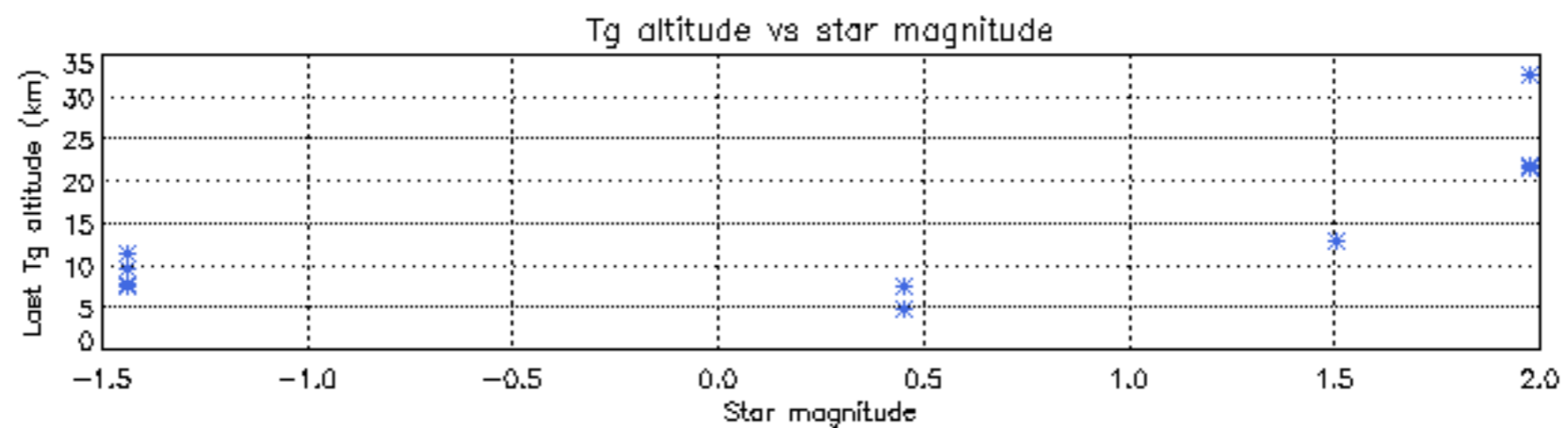
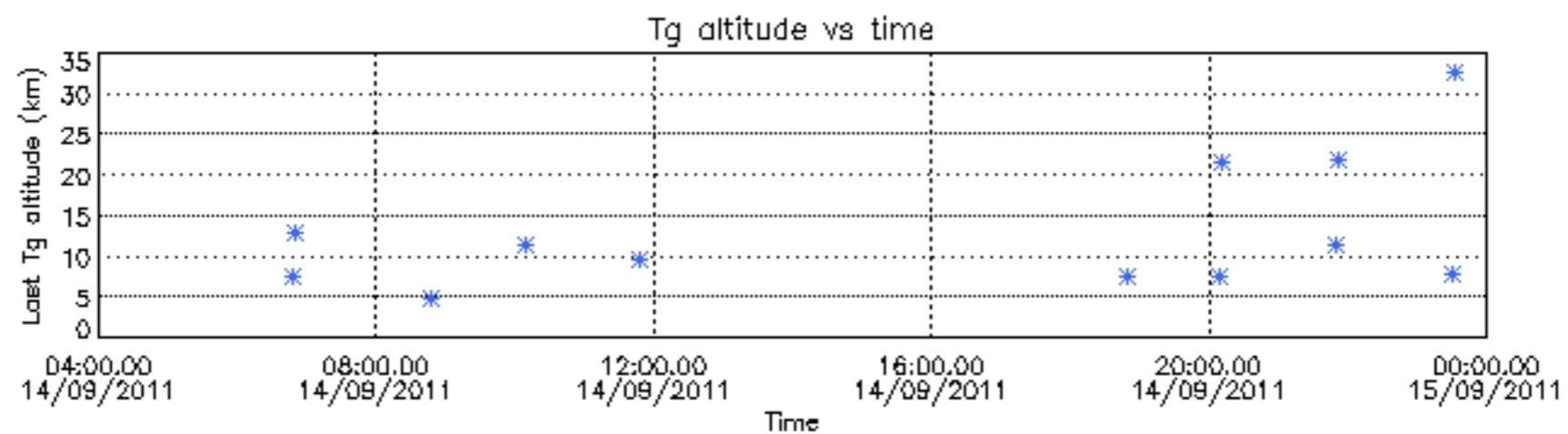
Percentage of star falling outside central band per profile



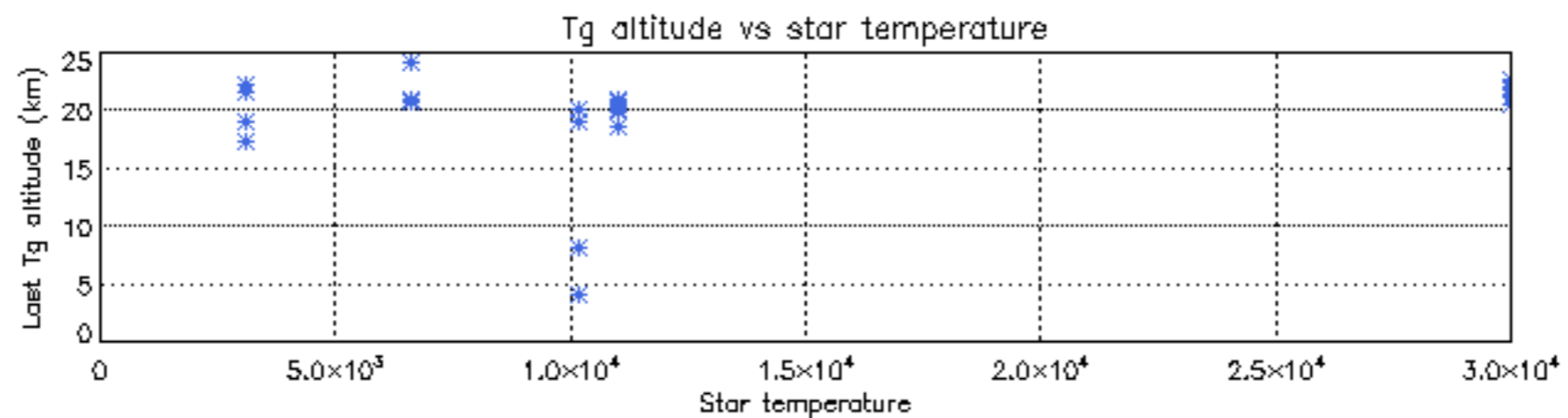
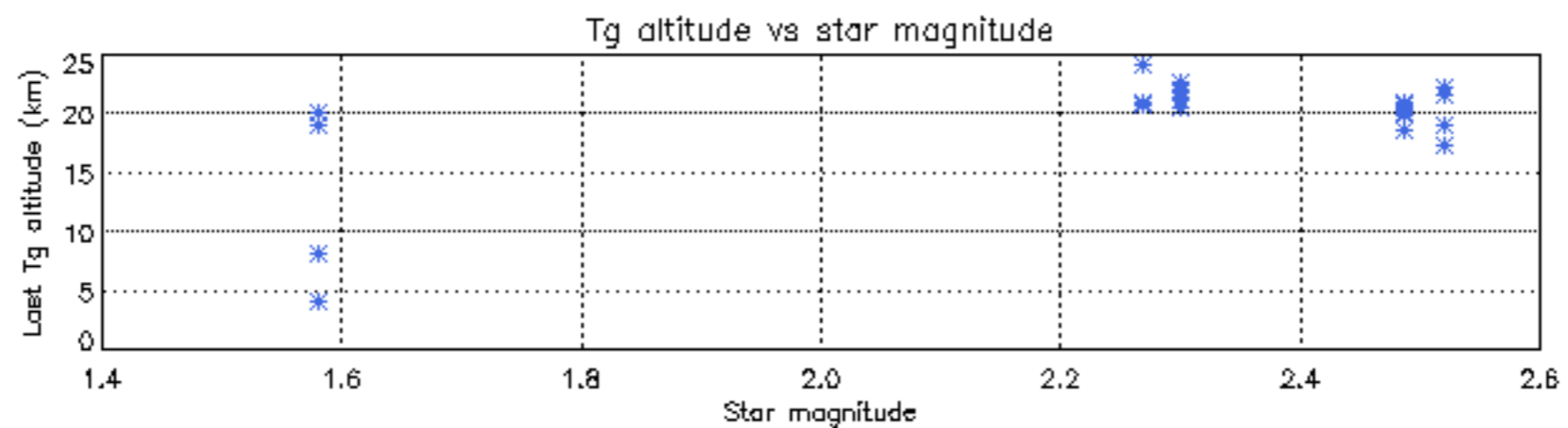
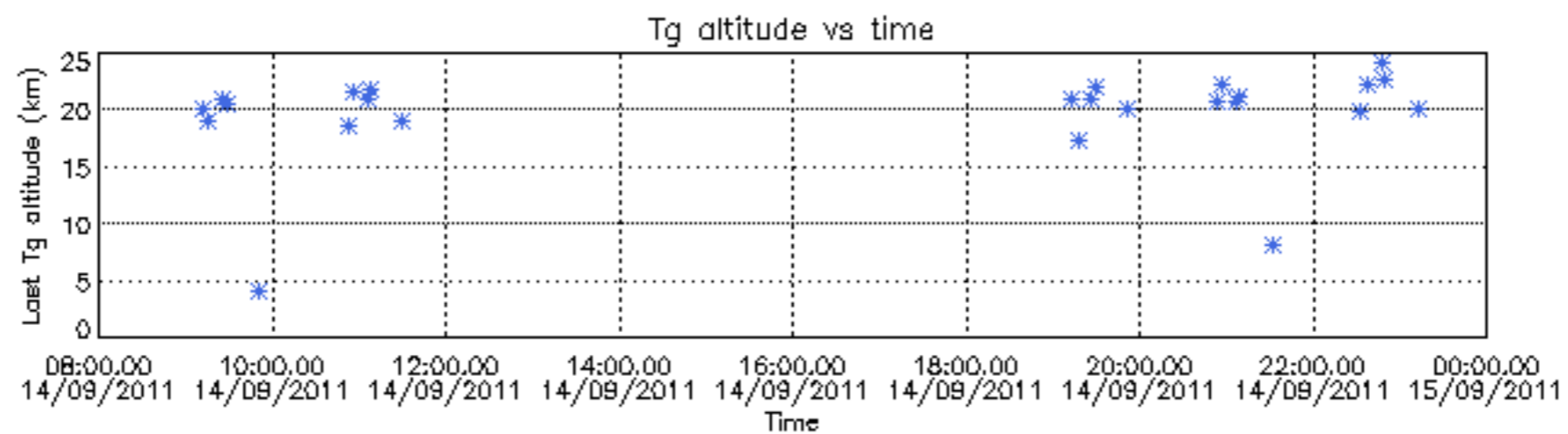
Percentage of saturation errors per profile



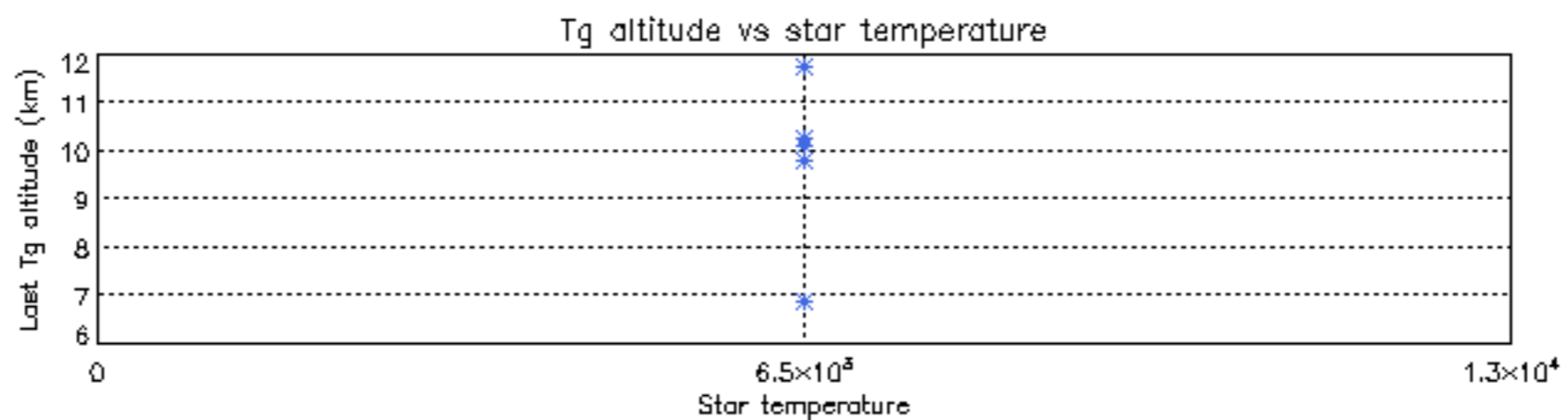
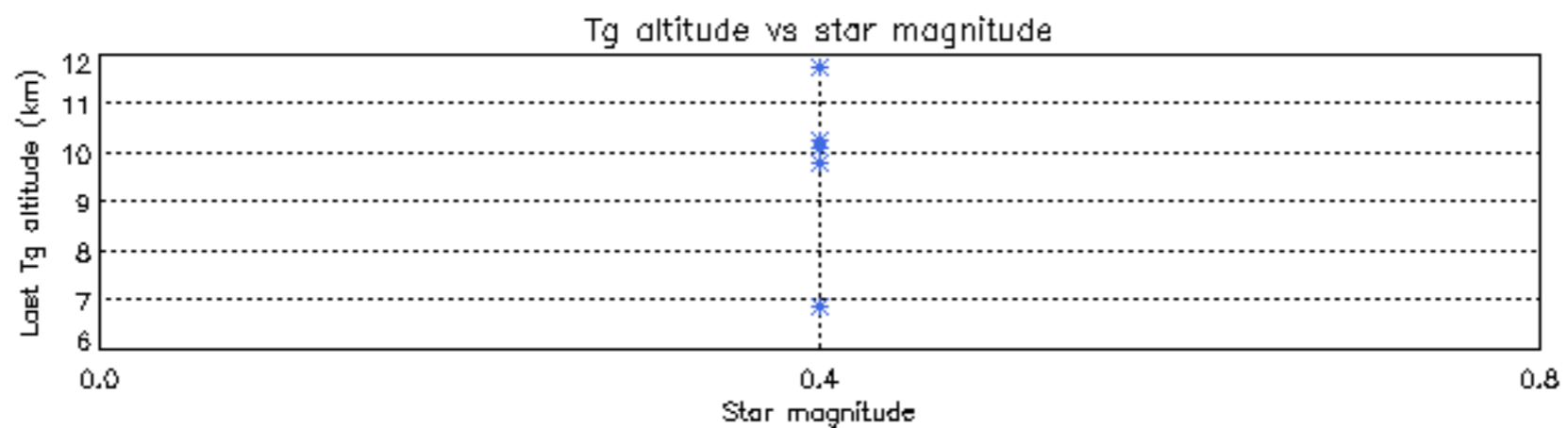
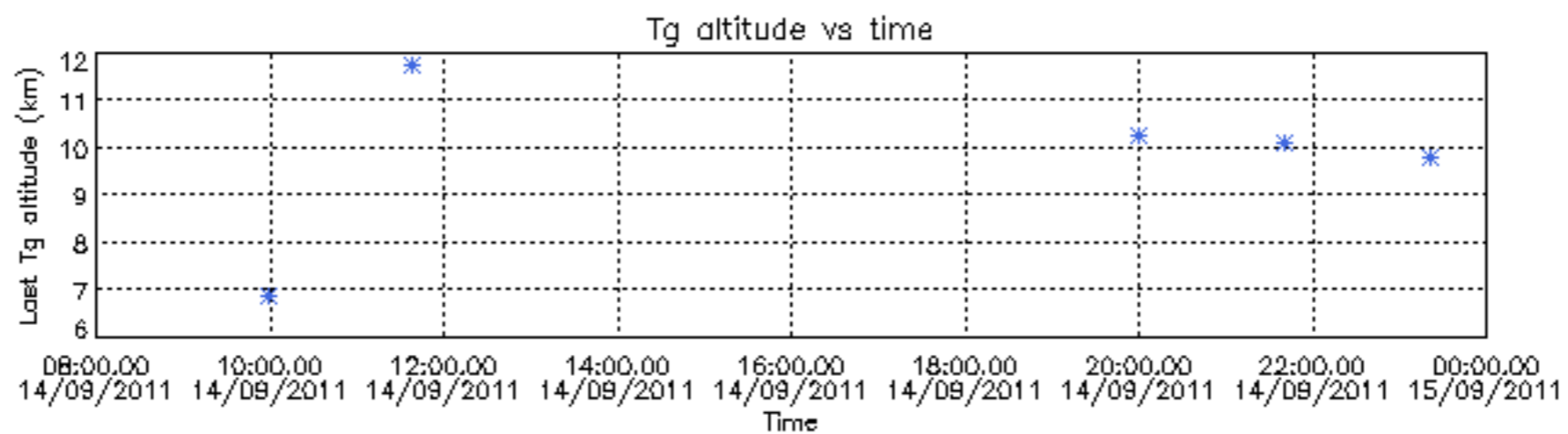
Tangent altitude at which the star is lost

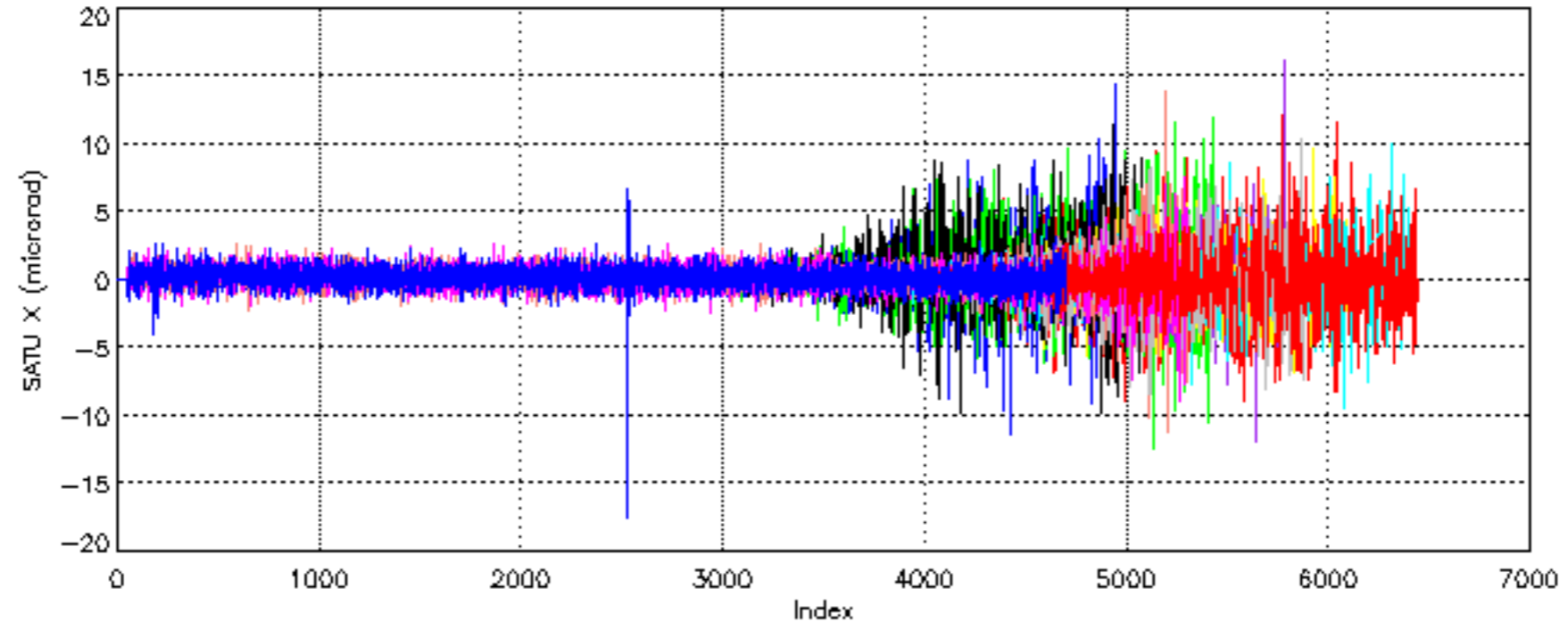


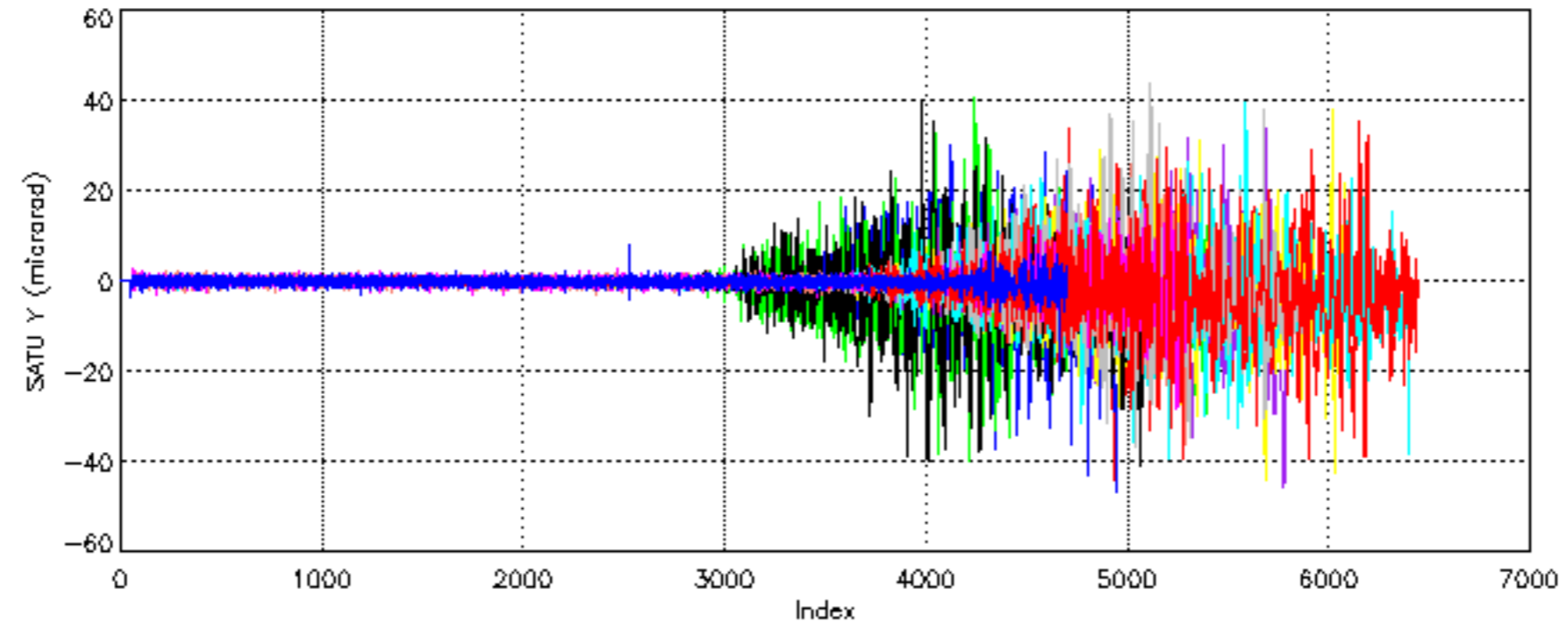
Tangent altitude at which the star is lost

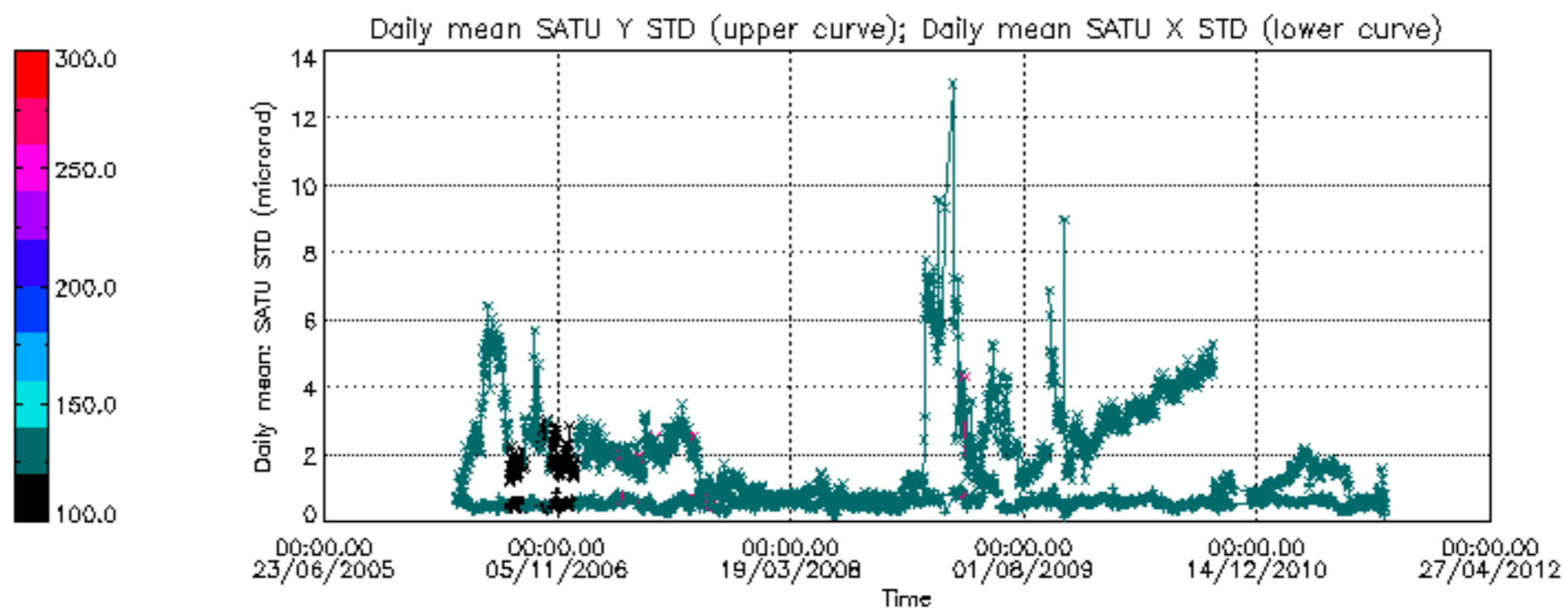


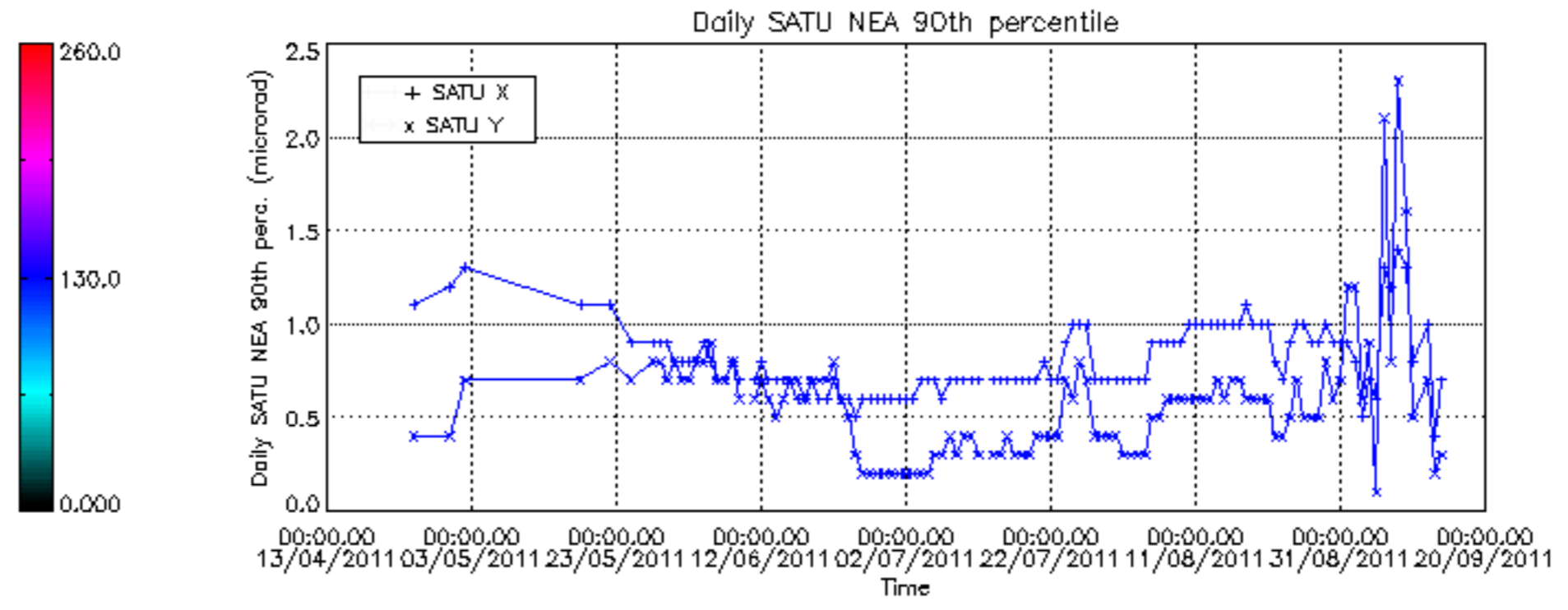
Tangent altitude at which the star is lost











/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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110901_170409_000051483106_00127_49710_5213.N1
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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
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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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
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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
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2; -641.2; 02-SEP-2011 15:45:20; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;49723
3; -560.7; 02-SEP-2011 15:46:40; Dark ; 52.0; 47; 2Bet CMA ; 1.98; 28000;occ; 104; 0;49723
4; 974.4; 02-SEP-2011 16:12:15; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49724
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2; 3102.3; 02-SEP-2011 16:47:43; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49724
3; 5373.4; 02-SEP-2011 17:25:34; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;49724
4; 5454.3; 02-SEP-2011 17:26:55; Dark ; 51.5; 47; 2Bet CMA ; 1.98; 28000;occ; 103; 0;49724
5; 6989.0; 02-SEP-2011 17:52:30; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;49725
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2; 4781.3; 02-SEP-2011 08:54:33; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49719
3; 5370.0; 02-SEP-2011 09:04:21; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49719
4; 5450.0; 02-SEP-2011 09:05:41; Dark ; 50.0; 47; 2Bet CMA ; 1.98; 28000;occ; 100; 0;49719
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2; 1883.3; 02-SEP-2011 18:07:38; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49725
3; 3101.7; 02-SEP-2011 18:27:57; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;49725
4; 4784.1; 02-SEP-2011 18:55:59; Dark ; 53.5; 44; 24Gam Gem ; 1.93; 11000;occ; 107; 0;49725
5; 4904.1; 02-SEP-2011 18:57:59; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;49725
6; 5374.0; 02-SEP-2011 19:05:49; Dark ; 52.0; 1; 9Alp CMA ; -1.44; 11000;occ; 104; 0;49725
7; 5455.0; 02-SEP-2011 19:07:10; Dark ; 49.5; 47; 2Bet CMA ; 1.98; 28000;occ; 99; 0;49725
8; 6989.4; 02-SEP-2011 19:32:44; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49726
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2; 1330.1; 02-SEP-2011 19:38:39; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;49726
3; 3101.1; 02-SEP-2011 20:08:10; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;49726
4; 4784.4; 02-SEP-2011 20:36:13; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49726
5; 4904.4; 02-SEP-2011 20:38:13; Dark ; 45.0; 8; 10Alp CMI ; 0.40; 6500;occ; 90; 0;49726
6; 5374.7; 02-SEP-2011 20:46:04; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49726
7; 5535.7; 02-SEP-2011 20:48:45; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;49726
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2; 977.0; 03-SEP-2011 00:33:28; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49729
3; 1330.9; 03-SEP-2011 00:39:22; Dark ; 25.0; 18; 24Alp PsA ; 1.17; 9700;occ; 50; 0;49729
4; 3099.2; 03-SEP-2011 01:08:50; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49729
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2; -476.6; 03-SEP-2011 01:49:28; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;49729
3; 1331.1; 03-SEP-2011 02:19:36; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;49730

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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
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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3; 984.2; 03-SEP-2011 22:16:37; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49742
4; 1334.4; 03-SEP-2011 22:22:27; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;49742
5; 1883.4; 03-SEP-2011 22:31:36; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49742
6; 3091.7; 03-SEP-2011 22:51:44; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49742
7; 4909.9; 03-SEP-2011 23:22:02; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;49742
8; 5385.8; 03-SEP-2011 23:29:58; Dark ; 1.0; 1; 9Alp CMA ; -1.44; 11000;occ; 2; 0;49742
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2; -469.0; 03-SEP-2011 23:32:37; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;49742
3; 1334.6; 04-SEP-2011 00:02:41; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;49743
4; 3091.0; 04-SEP-2011 00:31:57; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49743
5; 4910.2; 04-SEP-2011 01:02:16; Dark ; 43.5; 8; 10Alp CMi ; 0.40; 6500;occ; 87; 0;49743
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2; 981.0; 03-SEP-2011 12:15:10; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;49736
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
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 11; 5599.4; 09-SEP-2011 19:53:05; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;49826
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 5; 2434.2; 10-SEP-2011 01:41:15; Bright; 39.5; 164; 44Eta Peg ; 2.95; 5400;occ; 79; 0;49830
 6; 3043.6; 10-SEP-2011 01:51:25; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;49830
 7; 3158.4; 10-SEP-2011 01:53:19; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;49830
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 4; -242.7; 12-SEP-2011 21:26:11; Dark ; 46.0; 177; 1Zet CMA ; 3.02; 26000;occ; 92; 0;49870
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 7; 1046.0; 12-SEP-2011 21:47:40; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49871
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 9; 2405.3; 12-SEP-2011 22:10:19; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;49871
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 6; 2171.4; 12-SEP-2011 23:46:39; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49872
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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
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6; 4974.6; 14-SEP-2011 11:38:16; Dark ; 51.5; 8; 10Alp CMI ; 0.40; 6500;occ; 103; 0;49893
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4; 1058.4; 14-SEP-2011 22:14:37; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49900
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
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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
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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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2;	-376.1;	15-SEP-2011 01:11:11;	Dark ;	47.0;	47;	2Bet CMa ;	1.98;	28000;occ;	94;	0;	49901
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
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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
18;	7530.0;	15-SEP-2011 03:22:57;	Dark ;	26.0;	52;	16Bet Cet ;	2.04;	4500;occ;	52;	0;	49903
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
23;	9129.8;	15-SEP-2011 03:49:37;	Bright;	42.5;	76;	27Gam Cas ;	2.30;	30000;occ;	85;	0;	49903
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2;	-1034.2;	15-SEP-2011 04:20:41;	Dark ;	52.0;	8;	10Alp CMI ;	0.40;	6500;occ;	104;	0;	49903
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
13;	3115.4;	15-SEP-2011 05:29:50;	Bright;	43.0;	76;	27Gam Cas ;	2.30;	30000;occ;	86;	0;	49904
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2;	-1033.7;	15-SEP-2011 06:00:55;	Dark ;	50.5;	8;	10Alp CMI ;	0.40;	6500;occ;	101;	0;	49904
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
5;	-125.8;	15-SEP-2011 06:16:03;	Dark ;	59.5;	0;	; 0.00;	0;	occ;	119;	0;	49904
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
3;	-116.5;	15-SEP-2011 22:58:32;	Dark ;	59.5;	0;	; 0.00;	0;	occ;	119;	0;	49914



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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
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3; 1516.8; 15-SEP-2011 11:44:07; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;49908
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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
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9; 5662.7; 15-SEP-2011 12:53:13; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;49908
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11; 6734.1; 15-SEP-2011 13:11:05; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;49909
12; 7076.0; 15-SEP-2011 13:16:47; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49909
13; 7530.9; 15-SEP-2011 13:24:22; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;49909
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4; 2515.0; 15-SEP-2011 13:41:00; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49909
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6; 3112.4; 15-SEP-2011 13:50:57; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49909
7; 4459.9; 15-SEP-2011 14:13:24; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 0;49909
8; 4983.0; 15-SEP-2011 14:22:08; Dark ; 53.0; 8; 10Alp CMI ; 0.40; 6500;occ; 106; 0;49909
9; 5532.5; 15-SEP-2011 14:31:17; Dark ; 64.5; 1; 9Alp CMA ; -1.44; 11000;occ; 129; 0;49909
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5; 3006.1; 15-SEP-2011 15:29:25; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49910
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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
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4; 2513.7; 15-SEP-2011 17:01:26; Bright; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;49911
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9; 5534.7; 15-SEP-2011 17:51:47; Dark ; 59.0; 1; 9Alp CMA ; -1.44; 11000;occ; 118; 0;49911
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11; 5894.7; 15-SEP-2011 17:57:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49911
12; 6735.7; 15-SEP-2011 18:11:48; Dark ; 49.5; 9; Alp Eri ; 0.45; 24000;occ; 99; 0;49912
13; 7077.1; 15-SEP-2011 18:17:30; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 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
4; 2394.7; 15-SEP-2011 18:39:41; Bright; 42.0; 93; 53Bet Peg ; 2.52; 3100;occ; 84; 0;49912
5; 2513.0; 15-SEP-2011 18:41:40; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49912
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
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9; 4984.7; 15-SEP-2011 19:22:51; Dark ; 60.0; 8; 10Alp CMI ; 0.40; 6500;occ; 120; 0;49912
10; 5535.8; 15-SEP-2011 19:32:02; Dark ; 61.0; 1; 9Alp CMA ; -1.44; 11000;occ; 122; 0;49912
11; 5666.1; 15-SEP-2011 19:34:13; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;49912
12; 5895.6; 15-SEP-2011 19:38:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49912
13; 6736.0; 15-SEP-2011 19:52:03; Dark ; 51.5; 9; Alp Eri ; 0.45; 24000;occ; 103; 0;49913
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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
10; 2510.4; 16-SEP-2011 01:22:33; Bright; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;49916
11; 3003.3; 16-SEP-2011 01:30:46; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49916
12; 3108.6; 16-SEP-2011 01:32:31; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49916
13; 4460.6; 16-SEP-2011 01:55:03; Bright; 63.0; 24; 66Alp Gem ; 1.58; 10200;occ; 126; 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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3; 2162.0; 16-SEP-2011 21:19:32; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49928
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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7; 2390.8; 16-SEP-2011 23:03:35; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49929
8; 2502.3; 16-SEP-2011 23:05:26; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49929
9; 2997.9; 16-SEP-2011 23:13:42; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49929
10; 3101.6; 16-SEP-2011 23:15:26; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;49929
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4;	1070.2;	17-SEP-2011	00:21:48;	Dark	;	44.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	88;	0;	49930
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6;	2161.8;	17-SEP-2011	00:40:00;	Bright	;	40.0;	90;	54Alp	Peg	;	2.49;	11000;	occ;	80;	0;	49930
7;	2390.6;	17-SEP-2011	00:43:48;	Bright	;	39.0;	93;	53Bet	Peg	;	2.52;	3100;	occ;	78;	0;	49930
8;	2501.7;	17-SEP-2011	00:45:40;	Bright	;	46.5;	58;	21Alp	And	;	2.07;	11000;	occ;	93;	0;	49930
9;	2997.6;	17-SEP-2011	00:53:55;	Bright	;	38.0;	74;	11Bet	Cas	;	2.27;	6600;	occ;	76;	0;	49930
10;	3101.1;	17-SEP-2011	00:55:39;	Bright	;	42.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	85;	0;	49930
11;	4462.6;	17-SEP-2011	01:18:20;	Bright	;	48.5;	24;	66Alp	Gem	;	1.58;	10200;	occ;	97;	0;	49930
12;	4994.6;	17-SEP-2011	01:27:13;	Dark	;	64.5;	8;	10Alp	CMi	;	0.40;	6500;	occ;	129;	0;	49930
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2;	726.6;	16-SEP-2011	10:54:13;	Dark	;	50.0;	9;	Alp	Eri	;	0.45;	24000;	occ;	100;	0;	49922
3;	1067.2;	16-SEP-2011	10:59:53;	Dark	;	42.5;	84;	Alp	Phe	;	2.40;	4500;	occ;	85;	0;	49922
4;	1518.9;	16-SEP-2011	11:07:25;	Dark	;	54.5;	52;	16Bet	Cet	;	2.04;	4500;	occ;	109;	0;	49922
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2;	2392.5;	16-SEP-2011	11:21:59;	Bright	;	41.0;	93;	53Bet	Peg	;	2.52;	3100;	occ;	82;	0;	49922
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
5;	3105.4;	16-SEP-2011	11:33:52;	Bright	;	42.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	85;	0;	49922
6;	4461.5;	16-SEP-2011	11:56:28;	Bright	;	46.0;	24;	66Alp	Gem	;	1.58;	10200;	occ;	92;	0;	49922
7;	4990.2;	16-SEP-2011	12:05:16;	Dark	;	61.0;	8;	10Alp	CMi	;	0.40;	6500;	occ;	122;	0;	49922
8;	5546.7;	16-SEP-2011	12:14:33;	Dark	;	62.0;	1;	9Alp	CMA	;	-1.44;	11000;	occ;	124;	0;	49922
9;	5674.8;	16-SEP-2011	12:16:41;	Dark	;	51.0;	23;	21Eps	CMA	;	1.50;	26000;	occ;	102;	0;	49922
10;	5905.0;	16-SEP-2011	12:20:31;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	49922
11;	7081.4;	16-SEP-2011	12:40:08;	Dark	;	47.5;	84;	Alp	Phe	;	2.40;	4500;	occ;	95;	0;	49923
12;	7533.1;	16-SEP-2011	12:47:39;	Dark	;	55.5;	52;	16Bet	Cet	;	2.04;	4500;	occ;	111;	0;	49923
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2;	2506.1;	16-SEP-2011	13:04:06;	Bright	;	44.0;	58;	21Alp	And	;	2.07;	11000;	occ;	88;	0;	49923
3;	3000.5;	16-SEP-2011	13:12:21;	Bright	;	41.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	83;	0;	49923
4;	3104.9;	16-SEP-2011	13:14:05;	Bright	;	41.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	83;	0;	49923
5;	4461.6;	16-SEP-2011	13:36:42;	Bright	;	46.5;	24;	66Alp	Gem	;	1.58;	10200;	occ;	93;	0;	49923
6;	4990.8;	16-SEP-2011	13:45:31;	Dark	;	54.5;	8;	10Alp	CMi	;	0.40;	6500;	occ;	109;	0;	49923
7;	5547.8;	16-SEP-2011	13:54:48;	Dark	;	64.0;	1;	9Alp	CMA	;	-1.44;	11000;	occ;	128;	0;	49923
8;	5675.7;	16-SEP-2011	13:56:56;	Dark	;	52.5;	23;	21Eps	CMA	;	1.50;	26000;	occ;	105;	0;	49923
9;	5906.0;	16-SEP-2011	14:00:46;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	49923
10;	7082.0;	16-SEP-2011	14:20:22;	Dark	;	41.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	82;	0;	49924
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2;	2392.1;	16-SEP-2011	14:42:26;	Bright	;	40.0;	93;	53Bet	Peg	;	2.52;	3100;	occ;	80;	0;	49924
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
8;	5549.0;	16-SEP-2011	15:35:03;	Dark	;	60.0;	1;	9Alp	CMA	;	-1.44;	11000;	occ;	120;	0;	49924
9;	5676.6;	16-SEP-2011	15:37:11;	Dark	;	52.0;	23;	21Eps	CMA	;	1.50;	26000;	occ;	104;	0;	49924
10;	5907.0;	16-SEP-2011	15:41:01;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	49924
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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1;	1519.5;	16-SEP-2011	16:08:07;	Dark	;	58.5;	52;	16Bet	Cet	;	2.04;	4500;	occ;	117;	0;	49925
2;	2162.6;	16-SEP-2011	16:18:51;	Bright	;	39.0;	90;	54Alp	Peg	;	2.49;	11000;	occ;	78;	0;	49925
3;	2391.7;	16-SEP-2011	16:22:40;	Bright	;	41.5;	93;	53Bet	Peg	;	2.52;	3100;	occ;	83;	0;	49925
4;	2505.0;	16-SEP-2011	16:24:33;	Bright	;	46.5;	58;	21Alp	And	;	2.07;	11000;	occ;	93;	0;	49925
5;	2999.7;	16-SEP-2011	16:32:48;	Bright	;	37.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	75;	0;	49925
6;	3103.9;	16-SEP-2011	16:34:32;	Bright	;	40.0;	76;	27Gam	Cas	;	2.30;	30000;	occ;	80;	0;	49925
7;	4462.0;	16-SEP-2011	16:57:10;	Bright	;	46.5;	24;	66Alp	Gem	;	1.58;	10200;	occ;	93;	0;	49925
8;	4991.9;	16-SEP-2011	17:06:00;	Dark	;	59.5;	8;	10Alp	CMi	;	0.40;	6500;	occ;	119;	0;	49925
9;	5550.0;	16-SEP-2011	17:15:18;	Dark	;	63.5;	1;	9Alp	CMA	;	-1.44;	11000;	occ;	127;	0;	49925
10;	5677.4;	16-SEP-2011	17:17:25;	Dark	;	49.5;	23;	21Eps	CMA	;	1.50;	26000;	occ;	99;	0;	49925
11;	5908.1;	16-SEP-2011	17:21:16;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	49925
12;	7082.8;	16-SEP-2011	17:40:51;	Dark	;	15.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	30;	0;	49926
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2;	2391.5;	16-SEP-2011	18:02:54;	Bright	;	40.0;	93;	53Bet	Peg	;	2.52;	3100;	occ;	80;	0;	49926

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3; 2999.3; 16-SEP-2011 18:13:01; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49926
4; 3103.4; 16-SEP-2011 18:14:45; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49926
5; 4462.2; 16-SEP-2011 18:37:24; Bright; 53.0; 24; 66Alp Gem ; 1.58; 10200;occ; 106; 0;49926
6; 4992.5; 16-SEP-2011 18:46:15; Dark ; 65.0; 8; 10Alp CMi ; 0.40; 6500;occ; 130; 0;49926
7; 5551.2; 16-SEP-2011 18:55:33; Dark ; 55.5; 1; 9Alp CMA ; -1.44; 11000;occ; 111; 0;49926
8; 5678.3; 16-SEP-2011 18:57:40; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;49926
9; 5909.0; 16-SEP-2011 19:01:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49926
10; 7083.1; 16-SEP-2011 19:21:05; Dark ; 18.5; 84; Alp Phe ; 2.40; 4500;occ; 37; 0;49927
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2; 1519.8; 16-SEP-2011 19:28:36; Dark ; 57.5; 52; 16Bet Cet ; 2.04; 4500;occ; 115; 0;49927
3; 2162.1; 16-SEP-2011 19:39:18; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49927
4; 2391.3; 16-SEP-2011 19:43:07; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49927
5; 2503.6; 16-SEP-2011 19:45:00; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49927
6; 2998.8; 16-SEP-2011 19:53:15; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49927
7; 3102.8; 16-SEP-2011 19:54:59; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49927
8; 4462.2; 16-SEP-2011 20:17:38; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;49927
9; 4992.9; 16-SEP-2011 20:26:29; Dark ; 58.0; 8; 10Alp CMi ; 0.40; 6500;occ; 116; 0;49927
10; 5552.3; 16-SEP-2011 20:35:48; Dark ; 66.0; 1; 9Alp CMA ; -1.44; 11000;occ; 132; 0;49927
11; 5679.2; 16-SEP-2011 20:37:55; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;49927
12; 5909.9; 16-SEP-2011 20:41:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49927
13; 6743.4; 16-SEP-2011 20:55:40; Dark ; 53.5; 9; Alp Eri ; 0.45; 24000;occ; 107; 0;49928
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2; -332.1; 17-SEP-2011 01:38:40; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;49930
3; -101.2; 17-SEP-2011 01:42:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49930
4; 1070.6; 17-SEP-2011 02:02:02; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;49931
5; 1520.2; 17-SEP-2011 02:09:32; Dark ; 56.5; 52; 16Bet Cet ; 2.04; 4500;occ; 113; 0;49931
6; 2161.5; 17-SEP-2011 02:20:13; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49931
7; 2390.4; 17-SEP-2011 02:24:02; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49931
8; 2501.1; 17-SEP-2011 02:25:53; Bright; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;49931
9; 2997.1; 17-SEP-2011 02:34:09; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;49931
10; 3100.6; 17-SEP-2011 02:35:52; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49931
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3; -457.1; 17-SEP-2011 03:16:49; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;49931
4; -331.2; 17-SEP-2011 03:18:55; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;49931
5; -100.2; 17-SEP-2011 03:22:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49931
6; 731.5; 17-SEP-2011 03:36:37; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;49932
7; 1071.1; 17-SEP-2011 03:42:17; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;49932
8; 1520.5; 17-SEP-2011 03:49:46; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;49932
9; 2161.6; 17-SEP-2011 04:00:27; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49932
10; 2390.3; 17-SEP-2011 04:04:16; Bright; 51.0; 93; 53Bet Peg ; 2.52; 3100;occ; 102; 0;49932
11; 2500.7; 17-SEP-2011 04:06:06; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49932
12; 2996.7; 17-SEP-2011 04:14:22; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49932
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2; -1018.2; 17-SEP-2011 04:47:42; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;49932
3; -455.9; 17-SEP-2011 04:57:04; Dark ; 73.5; 1; 9Alp CMA ; -1.44; 11000;occ; 147; 0;49932
4; -330.3; 17-SEP-2011 04:59:09; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;49932
5; -99.2; 17-SEP-2011 05:03:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49932
6; 1071.5; 17-SEP-2011 05:22:31; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49933
7; 1520.6; 17-SEP-2011 05:30:00; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;49933
8; 2161.3; 17-SEP-2011 05:40:41; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49933
9; 2390.1; 17-SEP-2011 05:44:30; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49933
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11; 2996.4; 17-SEP-2011 05:54:36; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49933
12; 3099.6; 17-SEP-2011 05:56:19; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49933
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2; 1522.0; 17-SEP-2011 20:32:08; Dark ; 58.5; 52; 16Bet Cet ; 2.04; 4500;occ; 117; 0;49942
3; 2160.3; 17-SEP-2011 20:42:46; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49942
4; 2388.3; 17-SEP-2011 20:46:34; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49942
5; 2494.5; 17-SEP-2011 20:48:20; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;49942
6; 2992.5; 17-SEP-2011 20:56:38; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49942
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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9; 5001.6; 17-SEP-2011 21:30:07; Dark ; 65.5; 8; 10Alp CMi ; 0.40; 6500;occ; 131; 0;49942
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3; -89.5; 17-SEP-2011 21:45:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49942
4; 1075.3; 17-SEP-2011 22:04:55; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49943
5; 1522.1; 17-SEP-2011 22:12:22; Dark ; 57.0; 52; 16Bet Cet ; 2.04; 4500;occ; 114; 0;49943
6; 2160.1; 17-SEP-2011 22:23:00; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49943
7; 2388.0; 17-SEP-2011 22:26:48; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49943
8; 2494.0; 17-SEP-2011 22:28:33; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49943
9; 2992.1; 17-SEP-2011 22:36:52; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49943
10; 3094.1; 17-SEP-2011 22:38:34; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49943
11; 4464.1; 17-SEP-2011 23:01:24; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;49943
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3; -88.5; 17-SEP-2011 23:25:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49943
4; 1075.7; 17-SEP-2011 23:45:09; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49944
5; 1522.3; 17-SEP-2011 23:52:36; Dark ; 56.5; 52; 16Bet Cet ; 2.04; 4500;occ; 113; 0;49944
6; 2159.8; 18-SEP-2011 00:03:13; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49944
7; 2387.9; 18-SEP-2011 00:07:01; Bright; 40.5; 93; 53Bet Peg ; 2.52; 3100;occ; 81; 0;49944
8; 2493.4; 18-SEP-2011 00:08:47; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49944
9; 2991.8; 18-SEP-2011 00:17:05; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49944
10; 3093.7; 18-SEP-2011 00:18:47; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49944
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3; -454.7; 17-SEP-2011 06:37:19; Dark ; 62.5; 1; 9Alp CMA ; -1.44; 11000;occ; 125; 0;49933
4; -329.5; 17-SEP-2011 06:39:24; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;49933
5; -98.3; 17-SEP-2011 06:43:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49933
6; 732.5; 17-SEP-2011 06:57:06; Dark ; 56.0; 9; Alp Eri ; 0.45; 24000;occ; 112; 0;49934
7; 1071.9; 17-SEP-2011 07:02:46; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49934
8; 1520.9; 17-SEP-2011 07:10:15; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;49934
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2; 2389.9; 17-SEP-2011 07:24:44; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49934
3; 2499.5; 17-SEP-2011 07:26:33; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49934
4; 2996.1; 17-SEP-2011 07:34:50; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49934
5; 3099.1; 17-SEP-2011 07:36:33; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49934
6; 4463.2; 17-SEP-2011 07:59:17; Bright; 65.0; 24; 66Alp Gem ; 1.58; 10200;occ; 130; 0;49934
7; 4997.0; 17-SEP-2011 08:08:11; Dark ; 66.0; 8; 10Alp CMi ; 0.40; 6500;occ; 132; 0;49934
8; 5560.4; 17-SEP-2011 08:17:34; Dark ; 61.5; 1; 9Alp CMA ; -1.44; 11000;occ; 123; 0;49934
9; 5685.5; 17-SEP-2011 08:19:39; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;49934
10; 5916.7; 17-SEP-2011 08:23:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49934
11; 7086.3; 17-SEP-2011 08:43:00; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49935
12; 7534.9; 17-SEP-2011 08:50:29; Dark ; 56.5; 52; 16Bet Cet ; 2.04; 4500;occ; 113; 0;49935
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3; 2498.8; 17-SEP-2011 09:06:47; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49935
4; 2995.6; 17-SEP-2011 09:15:03; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49935
5; 3098.6; 17-SEP-2011 09:16:46; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49935
6; 4463.3; 17-SEP-2011 09:39:31; Bright; 44.0; 24; 66Alp Gem ; 1.58; 10200;occ; 88; 0;49935
7; 4997.6; 17-SEP-2011 09:48:25; Dark ; 54.5; 8; 10Alp CMi ; 0.40; 6500;occ; 109; 0;49935
8; 5561.5; 17-SEP-2011 09:57:49; Dark ; 65.5; 1; 9Alp CMA ; -1.44; 11000;occ; 131; 0;49935
9; 5686.4; 17-SEP-2011 09:59:54; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;49935
10; 5917.6; 17-SEP-2011 10:03:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49935
11; 6747.3; 17-SEP-2011 10:17:35; Dark ; 49.0; 9; Alp Eri ; 0.45; 24000;occ; 98; 0;49936
12; 7086.6; 17-SEP-2011 10:23:14; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;49936
13; 7535.0; 17-SEP-2011 10:30:43; Dark ; 58.0; 52; 16Bet Cet ; 2.04; 4500;occ; 116; 0;49936
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2; 2389.5; 17-SEP-2011 10:45:11; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49936
3; 2498.2; 17-SEP-2011 10:47:00; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49936

4; 2995.2; 17-SEP-2011 10:55:17; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;49936
 5; 3098.0; 17-SEP-2011 10:57:00; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49936
 6; 4463.4; 17-SEP-2011 11:19:45; Bright; 65.0; 24; 66Alp Gem ; 1.58; 10200;occ; 130; 0;49936
 7; 4998.1; 17-SEP-2011 11:28:40; Dark ; 54.0; 8; 10Alp CMi ; 0.40; 6500;occ; 108; 0;49936
 8; 5562.7; 17-SEP-2011 11:38:04; Dark ; 63.0; 1; 9Alp CMA ; -1.44; 11000;occ; 126; 0;49936
 9; 5687.2; 17-SEP-2011 11:40:09; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;49936
 10; 5918.5; 17-SEP-2011 11:44:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49936
 11; 6747.8; 17-SEP-2011 11:57:50; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;49937
 12; 7086.9; 17-SEP-2011 12:03:29; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49937
 13; 7535.2; 17-SEP-2011 12:10:57; Dark ; 56.5; 52; 16Bet Cet ; 2.04; 4500;occ; 113; 0;49937
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 2; 2389.3; 17-SEP-2011 12:25:25; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49937
 3; 2497.6; 17-SEP-2011 12:27:13; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49937
 4; 2994.7; 17-SEP-2011 12:35:30; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49937
 5; 3097.3; 17-SEP-2011 12:37:13; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49937
 6; 4463.4; 17-SEP-2011 12:59:59; Bright; 52.5; 24; 66Alp Gem ; 1.58; 10200;occ; 105; 0;49937
 7; 4998.8; 17-SEP-2011 13:08:54; Dark ; 56.0; 8; 10Alp CMi ; 0.40; 6500;occ; 112; 0;49937
 8; 5563.9; 17-SEP-2011 13:18:19; Dark ; 64.5; 1; 9Alp CMA ; -1.44; 11000;occ; 129; 0;49937
 9; 5688.2; 17-SEP-2011 13:20:24; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;49937
 10; 5919.5; 17-SEP-2011 13:24:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49937
 11; 6748.3; 17-SEP-2011 13:38:04; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;49938
 12; 7087.4; 17-SEP-2011 13:43:43; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49938
 13; 7535.4; 17-SEP-2011 13:51:11; Dark ; 6.0; 52; 16Bet Cet ; 2.04; 4500;occ; 12; 0;49938
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 3; 2389.1; 17-SEP-2011 14:05:39; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49938
 4; 2497.1; 17-SEP-2011 14:07:27; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49938
 5; 2994.4; 17-SEP-2011 14:15:44; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49938
 6; 3096.8; 17-SEP-2011 14:17:26; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49938
 7; 4463.6; 17-SEP-2011 14:40:13; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;49938
 8; 4999.3; 17-SEP-2011 14:49:09; Dark ; 58.5; 8; 10Alp CMi ; 0.40; 6500;occ; 117; 0;49938
 9; 5565.0; 17-SEP-2011 14:58:35; Dark ; 68.5; 1; 9Alp CMA ; -1.44; 11000;occ; 137; 0;49938
 10; 5689.1; 17-SEP-2011 15:00:39; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;49938
 11; 5920.5; 17-SEP-2011 15:04:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49938
 12; 6748.8; 17-SEP-2011 15:18:18; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;49939
 13; 7087.8; 17-SEP-2011 15:23:57; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;49939
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 3; 2388.8; 17-SEP-2011 15:45:52; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49939
 4; 2496.3; 17-SEP-2011 15:47:40; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;49939
 5; 2994.1; 17-SEP-2011 15:55:58; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49939
 6; 3096.4; 17-SEP-2011 15:57:40; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49939
 7; 4463.9; 17-SEP-2011 16:20:27; Bright; 44.0; 24; 66Alp Gem ; 1.58; 10200;occ; 88; 0;49939
 8; 5000.1; 17-SEP-2011 16:29:24; Dark ; 58.5; 8; 10Alp CMi ; 0.40; 6500;occ; 117; 0;49939
 9; 5566.2; 17-SEP-2011 16:38:50; Dark ; 60.0; 1; 9Alp CMA ; -1.44; 11000;occ; 120; 0;49939
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 11; 5921.6; 17-SEP-2011 16:44:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49939
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 2; 2160.4; 17-SEP-2011 17:22:18; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49940
 3; 2388.7; 17-SEP-2011 17:26:06; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49940
 4; 2495.8; 17-SEP-2011 17:27:53; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49940
 5; 2993.4; 17-SEP-2011 17:36:11; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49940
 6; 3095.9; 17-SEP-2011 17:37:53; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49940
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 9; 5567.4; 17-SEP-2011 18:19:05; Dark ; 68.5; 1; 9Alp CMA ; -1.44; 11000;occ; 137; 0;49940
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 2; 1521.9; 17-SEP-2011 18:51:54; Dark ; 56.5; 52; 16Bet Cet ; 2.04; 4500;occ; 113; 0;49941
 3; 2160.4; 17-SEP-2011 19:02:32; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49941

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5; 2495.3; 17-SEP-2011 19:08:07; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49941
6; 2993.0; 17-SEP-2011 19:16:25; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49941
7; 3095.3; 17-SEP-2011 19:18:07; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49941
8; 4464.0; 17-SEP-2011 19:40:56; Bright; 65.0; 24; 66Alp Gem ; 1.58; 10200;occ; 130; 0;49941
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11; 5691.8; 17-SEP-2011 20:01:23; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;49941
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4; 1076.0; 18-SEP-2011 01:25:23; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49945
5; 1522.2; 18-SEP-2011 01:32:49; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49945
6; 2159.8; 18-SEP-2011 01:43:27; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49945
7; 2387.6; 18-SEP-2011 01:47:15; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49945
8; 2492.7; 18-SEP-2011 01:49:00; Bright; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;49945
9; 2991.4; 18-SEP-2011 01:57:19; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49945
10; 3093.1; 18-SEP-2011 01:59:00; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49945
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4; -86.6; 18-SEP-2011 02:46:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49945
5; 1076.5; 18-SEP-2011 03:05:38; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;49946
6; 1522.5; 18-SEP-2011 03:13:04; Dark ; 56.5; 52; 16Bet Cet ; 2.04; 4500;occ; 113; 0;49946
7; 2159.7; 18-SEP-2011 03:23:41; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49946
8; 2387.5; 18-SEP-2011 03:27:29; Bright; 56.0; 93; 53Bet Peg ; 2.52; 3100;occ; 112; 0;49946
9; 2492.3; 18-SEP-2011 03:29:13; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49946
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11; 3092.7; 18-SEP-2011 03:39:14; Bright; 51.5; 76; 27Gam Cas ; 2.30; 30000;occ; 103; 0;49946
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2; -1009.3; 18-SEP-2011 05:51:20; Dark ; 58.0; 8; 10Alp CMi ; 0.40; 6500;occ; 116; 0;49947
3; -438.5; 18-SEP-2011 06:00:51; Dark ; 62.0; 1; 9Alp CMA ; -1.44; 11000;occ; 124; 0;49947
4; -316.9; 18-SEP-2011 06:02:52; Dark ; 56.0; 23; 21Eps CMA ; 1.50; 26000;occ; 112; 0;49947
5; -84.6; 18-SEP-2011 06:06:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49947
6; 1077.3; 18-SEP-2011 06:26:07; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49948
7; 1522.8; 18-SEP-2011 06:33:32; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49948
8; 2159.6; 18-SEP-2011 06:44:09; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49948
9; 2387.2; 18-SEP-2011 06:47:56; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49948
10; 2491.1; 18-SEP-2011 06:49:40; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;49948
11; 2990.1; 18-SEP-2011 06:57:59; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49948
12; 3091.6; 18-SEP-2011 06:59:41; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49948
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2; 1524.0; 18-SEP-2011 19:55:25; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;49956
3; 2158.6; 18-SEP-2011 20:06:00; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49956
4; 2385.6; 18-SEP-2011 20:09:47; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49956
5; 2486.6; 18-SEP-2011 20:11:28; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49956
6; 2986.9; 18-SEP-2011 20:19:48; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49956
7; 3087.3; 18-SEP-2011 20:21:28; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49956
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3; -308.6; 18-SEP-2011 21:05:06; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;49956
4; -75.7; 18-SEP-2011 21:08:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49956
5; 743.3; 18-SEP-2011 21:22:38; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;49957
6; 1080.5; 18-SEP-2011 21:28:16; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49957
7; 1524.0; 18-SEP-2011 21:35:39; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;49957
8; 2158.5; 18-SEP-2011 21:46:13; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49957
9; 2385.4; 18-SEP-2011 21:50:00; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49957
10; 2485.9; 18-SEP-2011 21:51:41; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;49957
11; 2986.6; 18-SEP-2011 22:00:02; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;49957
12; 3086.9; 18-SEP-2011 22:01:42; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49957

13; 4465.9; 18-SEP-2011 22:24:41; Bright; 48.0; 24; 66Alp Gem ; 1.58; 10200;occ; 96; 0;49957
14; 5010.6; 18-SEP-2011 22:33:46; Dark ; 66.5; 8; 10Alp CMI ; 0.40; 6500;occ; 133; 0;49957
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2; -1008.9; 18-SEP-2011 07:31:34; Dark ; 64.0; 8; 10Alp CMI ; 0.40; 6500;occ; 128; 0;49948
3; -437.3; 18-SEP-2011 07:41:06; Dark ; 64.5; 1; 9Alp CMA ; -1.44; 11000;occ; 129; 0;49948
4; -316.0; 18-SEP-2011 07:43:07; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;49948
5; -83.6; 18-SEP-2011 07:47:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49948
6; 1077.7; 18-SEP-2011 08:06:21; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;49949
7; 1523.0; 18-SEP-2011 08:13:46; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;49949
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2; 2386.9; 18-SEP-2011 08:28:10; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49949
3; 2490.5; 18-SEP-2011 08:29:54; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;49949
4; 2989.8; 18-SEP-2011 08:38:13; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;49949
5; 3091.0; 18-SEP-2011 08:39:54; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49949
6; 4465.0; 18-SEP-2011 09:02:48; Bright; 47.0; 24; 66Alp Gem ; 1.58; 10200;occ; 94; 0;49949
7; 5005.7; 18-SEP-2011 09:11:49; Dark ; 65.0; 8; 10Alp CMI ; 0.40; 6500;occ; 130; 0;49949
8; 5577.9; 18-SEP-2011 09:21:21; Dark ; 64.5; 1; 9Alp CMA ; -1.44; 11000;occ; 129; 0;49949
9; 5698.8; 18-SEP-2011 09:23:22; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;49949
10; 5931.3; 18-SEP-2011 09:27:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49949
11; 7092.0; 18-SEP-2011 09:46:35; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;49950
12; 7537.0; 18-SEP-2011 09:54:00; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;49950
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2; 2386.7; 18-SEP-2011 10:08:24; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49950
3; 2490.0; 18-SEP-2011 10:10:07; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49950
4; 2989.4; 18-SEP-2011 10:18:27; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49950
5; 3090.5; 18-SEP-2011 10:20:08; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49950
6; 4465.2; 18-SEP-2011 10:43:02; Bright; 48.0; 24; 66Alp Gem ; 1.58; 10200;occ; 96; 0;49950
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3; 2489.4; 18-SEP-2011 11:50:20; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49951
4; 2988.8; 18-SEP-2011 11:58:40; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49951
5; 3089.9; 18-SEP-2011 12:00:21; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49951
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3; 2488.7; 18-SEP-2011 13:30:34; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;49952
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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
6; 3089.0; 18-SEP-2011 15:20:48; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49953

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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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4; 2385.8; 18-SEP-2011 18:29:33; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49955
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3; -73.7; 19-SEP-2011 00:29:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49958
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5; 1524.3; 19-SEP-2011 00:56:07; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 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
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6; 1082.0; 19-SEP-2011 04:09:13; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49961
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2; 2384.2; 19-SEP-2011 11:11:51; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49965
3; 2481.7; 19-SEP-2011 11:13:28; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49965
4; 2983.6; 19-SEP-2011 11:21:50; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49965
5; 3082.8; 19-SEP-2011 11:23:29; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;49965
6; 4467.1; 19-SEP-2011 11:46:34; Bright; 48.5; 24; 66Alp Gem ; 1.58; 10200;occ; 97; 0;49965

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8; 5597.6; 19-SEP-2011 12:05:24; Dark ; 63.5; 1; 9Alp CMA ; -1.44; 11000;occ; 127; 0;49965
9; 5713.9; 19-SEP-2011 12:07:20; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;49965
10; 5947.3; 19-SEP-2011 12:11:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49965
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
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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
10; 4468.1; 20-SEP-2011 01:08:26; Bright; 47.0; 24; 66Alp Gem ; 1.58; 10200;occ; 94; 0;49973
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2; -292.4; 20-SEP-2011 01:29:20; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;49973
3; -58.5; 20-SEP-2011 01:33:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49973
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
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
14; 5956.4; 20-SEP-2011 03:13:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49974
15; 6078.8; 20-SEP-2011 03:15:31; Dark ; 52.0; 2; Alp Car ; -0.74; 7000;occ; 104; 0;49975
16; 7101.0; 20-SEP-2011 03:32:33; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;49975
17; 7540.6; 20-SEP-2011 03:39:53; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;49975
18; 8396.5; 20-SEP-2011 03:54:09; Bright; 48.0; 93; 53Bet Peg ; 2.52; 3100;occ; 96; 0;49975
19; 8490.5; 20-SEP-2011 03:55:43; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49975
20; 8993.7; 20-SEP-2011 04:04:06; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49975
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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
12; 3077.3; 20-SEP-2011 05:45:57; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;49976
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2; -991.4; 20-SEP-2011 06:18:23; Dark ; 62.0; 8; 10Alp CMi ; 0.40; 6500;occ; 124; 0;49976
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4; -289.4; 20-SEP-2011 06:30:05; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;49976
5; -55.5; 20-SEP-2011 06:33:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49976
6; 66.2; 20-SEP-2011 06:36:00; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;49977
7; 1087.9; 20-SEP-2011 06:53:02; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;49977
8; 1527.1; 20-SEP-2011 07:00:21; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49977
9; 2156.9; 20-SEP-2011 07:10:51; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49977
10; 2382.2; 20-SEP-2011 07:14:36; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49977
11; 2475.5; 20-SEP-2011 07:16:10; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49977
12; 2979.0; 20-SEP-2011 07:24:33; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49977
13; 3076.8; 20-SEP-2011 07:26:11; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49977
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3; -8.9; 20-SEP-2011 23:17:05; Dark ; 43.5; 161; Tau Pup ; 2.93; 4500;occ; 87; 0;49986
4; 110.8; 20-SEP-2011 23:19:04; Dark ; 54.0; 108; Alp Col ; 2.65; 15200;occ; 108; 0;49987
5; 1091.3; 20-SEP-2011 23:35:25; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49987
6; 1528.5; 20-SEP-2011 23:42:42; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;49987
7; 2380.7; 20-SEP-2011 23:56:54; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49987

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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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3; -401.3; 20-SEP-2011 08:08:27; Dark ; 28.0; 1; 9Alp CMA ; -1.44; 11000;occ; 56; 1;49977
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5; -54.4; 20-SEP-2011 08:14:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 2;49977
6; 66.9; 20-SEP-2011 08:16:15; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 5;49978
7; 1088.2; 20-SEP-2011 08:33:16; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 1;49978
8; 1527.1; 20-SEP-2011 08:40:35; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;49978
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3; 2472.9; 20-SEP-2011 15:37:17; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;49982
4; 2977.0; 20-SEP-2011 15:45:41; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49982
5; 3074.4; 20-SEP-2011 15:47:18; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;49982
6; 4469.5; 20-SEP-2011 16:10:33; Bright; 68.0; 24; 66Alp Gem ; 1.58; 10200;occ; 136; 0;49982
7; 5026.8; 20-SEP-2011 16:19:51; Dark ; 58.0; 8; 10Alp CMI ; 0.40; 6500;occ; 116; 0;49982
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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2; 2381.3; 20-SEP-2011 17:15:59; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;49983
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
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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
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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
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6; 115.0; 21-SEP-2011 04:19:50; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;49990
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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
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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
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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
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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
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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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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; 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
11; 7555.6; 27-SEP-2011 12:44:48; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 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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5; 6154.3; 27-SEP-2011 15:41:54; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;50083
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 2; 3028.4; 27-SEP-2011 16:30:02; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50083
 3; 5743.0; 27-SEP-2011 17:15:17; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50083
 4; 5839.9; 27-SEP-2011 17:16:54; Dark ; 65.5; 23; 21Eps CMA ; 1.50; 26000;occ; 131; 0;50083
 5; 6895.9; 27-SEP-2011 17:34:30; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;50084
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 2; 3027.9; 27-SEP-2011 18:10:16; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50084
 3; 5743.9; 27-SEP-2011 18:55:32; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;50084
 4; 6896.6; 27-SEP-2011 19:14:45; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;50085
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 2; 3027.3; 27-SEP-2011 19:50:29; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50085
 3; 5744.9; 27-SEP-2011 20:35:47; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50085
 4; 5842.1; 27-SEP-2011 20:37:24; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;50085
 5; 6897.5; 27-SEP-2011 20:55:00; Dark ; 23.5; 157; The1Eri ; 2.91; 9300;occ; 47; 0;50086
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 2; 3025.4; 28-SEP-2011 04:11:37; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50090
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 2; -165.8; 28-SEP-2011 04:58:40; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;50090
 3; 887.1; 28-SEP-2011 05:16:13; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50091
 4; 3024.9; 28-SEP-2011 05:51:51; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50091
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 2; 2939.2; 28-SEP-2011 20:52:31; Bright; 2.0; 74; 11Bet Cas ; 2.27; 6600;occ; 4; 0;50100
 3; 3021.2; 28-SEP-2011 20:53:53; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50100
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 2; -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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 2; -258.9; 28-SEP-2011 13:18:17; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50095
 3; -159.6; 28-SEP-2011 13:19:56; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;50095
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 2; -257.9; 28-SEP-2011 14:58:32; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;50096
 3; -158.6; 28-SEP-2011 15:00:11; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50096
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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
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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
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2; 2643.5; 30-SEP-2011 01:11:32; Bright; 49.0; 53; 43Bet And ; 2.05; 3300;occ; 98; 0;50117
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