

GOMOS Daily Report 17-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	20SEP2011 07:04:05
Data source version	GOMOS/6.01
Start time of products	17SEP2011 00:21:48
Stop time of products	17SEP2011 23:52:36
Store outputs in DB	Yes
Nb of level 1b prods	162
Nb of prods with errors	0

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

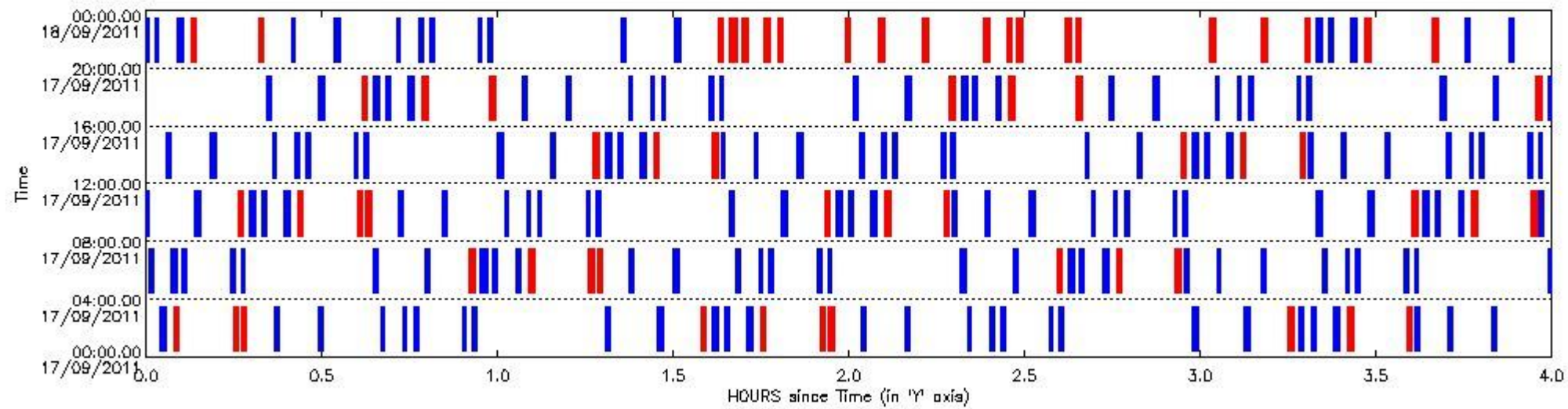
2.1 Level 0 products arrived in PCF (see template [here](#))

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
17-SEP-2011 00:04:37	AlpCar	2	49930
17-SEP-2011 00:14:47	AlpHyi	143	49930
17-SEP-2011 00:16:12	AlpEri	9	49930
17-SEP-2011 01:34:40	15RhoPup	132	49930
17-SEP-2011 01:44:52	AlpCar	2	49931
17-SEP-2011 01:55:01	AlpHyi	143	49931
17-SEP-2011 01:56:27	AlpEri	9	49931
17-SEP-2011 03:14:55	15RhoPup	132	49931
17-SEP-2011 03:25:07	AlpCar	2	49932
17-SEP-2011 03:35:16	AlpHyi	143	49932
17-SEP-2011 04:55:09	15RhoPup	132	49932
17-SEP-2011 05:05:21	AlpCar	2	49933
17-SEP-2011 05:15:30	AlpHyi	143	49933
17-SEP-2011 05:16:56	AlpEri	9	49933
17-SEP-2011 06:35:24	15RhoPup	132	49933

17-SEP-2011 06:45:36	AlpCar	2	49934
17-SEP-2011 06:55:44	AlpHyi	143	49934
17-SEP-2011 08:15:38	15RhoPup	132	49934
17-SEP-2011 08:25:50	AlpCar	2	49935
17-SEP-2011 08:35:59	AlpHyi	143	49935
17-SEP-2011 08:37:25	AlpEri	9	49935
17-SEP-2011 09:55:53	15RhoPup	132	49935
17-SEP-2011 10:06:05	AlpCar	2	49936
17-SEP-2011 10:16:13	AlpHyi	143	49936
17-SEP-2011 11:36:07	15RhoPup	132	49936
17-SEP-2011 11:46:20	AlpCar	2	49937
17-SEP-2011 11:56:28	AlpHyi	143	49937
17-SEP-2011 13:16:22	15RhoPup	132	49937
17-SEP-2011 13:26:34	AlpCar	2	49938
17-SEP-2011 13:36:42	AlpHyi	143	49938
17-SEP-2011 14:56:36	15RhoPup	132	49938
17-SEP-2011 15:06:49	AlpCar	2	49939
17-SEP-2011 15:16:57	AlpHyi	143	49939
17-SEP-2011 16:36:51	15RhoPup	132	49939
17-SEP-2011 16:47:03	AlpCar	2	49940
17-SEP-2011 16:58:37	AlpEri	9	49940
17-SEP-2011 18:17:05	15RhoPup	132	49940
17-SEP-2011 18:27:18	AlpCar	2	49941
17-SEP-2011 18:38:51	AlpEri	9	49941
17-SEP-2011 19:57:20	15RhoPup	132	49941
17-SEP-2011 20:07:33	AlpCar	2	49942
17-SEP-2011 20:19:06	AlpEri	9	49942
17-SEP-2011 21:37:34	15RhoPup	132	49942
17-SEP-2011 21:39:39	9AlpCMa	1	49942
17-SEP-2011 21:41:42	21EpsCMa	23	49942
17-SEP-2011 21:45:34	DSA1059	0	49942
17-SEP-2011 21:47:47	AlpCar	2	49943
17-SEP-2011 21:59:20	AlpEri	9	49943
17-SEP-2011 22:04:59	AlpPhe	84	49943
17-SEP-2011 22:12:25	16BetCet	52	49943
17-SEP-2011 22:23:03	54AlpPeg	90	49943
17-SEP-2011 22:26:51	53BetPeg	93	49943
17-SEP-2011 22:28:37	21AlpAnd	58	49943
17-SEP-2011 22:36:55	11BetCas	74	49943
17-SEP-2011 22:38:38	27GamCas	76	49943
17-SEP-2011 23:01:28	66AlpGem	24	49943
17-SEP-2011 23:10:26	10AlpCMi	8	49943
17-SEP-2011 23:17:49	15RhoPup	132	49943
17-SEP-2011 23:28:02	AlpCar	2	49944
17-SEP-2011 23:39:35	AlpEri	9	49944

2.4 Summary of processed GOM_TRA_1P products

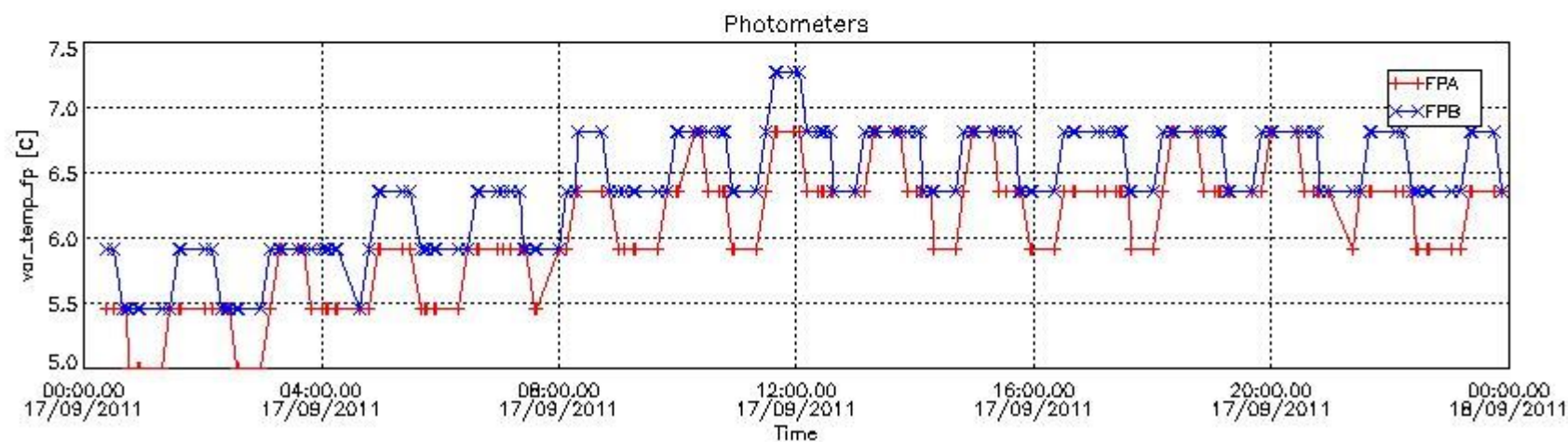
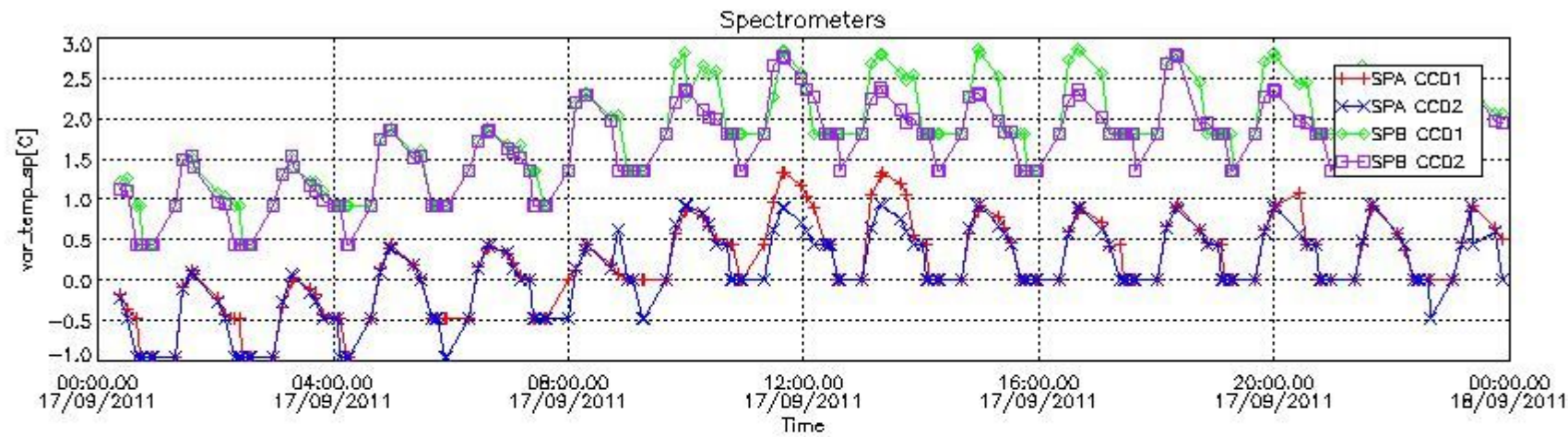
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110917_002148_000000443106_00347_49930_7952.N1	17-SEP-2011 00:21:48	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	49930	No
2	GOM_TRA_1PNPDE20110917_002918_000000553106_00347_49930_7953.N1	17-SEP-2011 00:29:18	Twilight_stray	55.000	52	16Bet Cet	2.0370	4500.0	110	49930	No
3	GOM_TRA_1PNPDE20110917_004000_000000403106_00347_49930_7954.N1	17-SEP-2011 00:40:00	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	49930	No
4	GOM_TRA_1PNPDE20110917_004348_000000393106_00347_49930_7955.N1	17-SEP-2011 00:43:48	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	49930	No
5	GOM_TRA_1PNPDE20110917_004540_000000473106_00347_49930_7956.N1	17-SEP-2011 00:45:40	Bright	46.500	58	21Alp And	2.0730	11000.	93	49930	No
6	GOM_TRA_1PNPDE20110917_005355_000000383106_00347_49930_7957.N1	17-SEP-2011 00:53:55	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	49930	No
7	GOM_TRA_1PNPDE20110917_005539_000000433106_00347_49930_7958.N1	17-SEP-2011 00:55:39	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	49930	No
8	GOM_TRA_1PNPDE20110917_011820_000000493106_00347_49930_7959.N1	17-SEP-2011 01:18:20	Bright	48.500	24	66Alp Gem	1.5800	10200.	97	49930	No
9	GOM_TRA_1PNPDE20110917_012713_000000653106_00347_49930_7960.N1	17-SEP-2011 01:27:13	Dark	64.500	8	10Alp CMi	0.40000	6500.0	129	49930	No

10	GOM_TRA_1PNPDE20110917_013633_000000613106_00347_49930_7978.N1	17-SEP-2011 01:36:33	Dark	60.500	1	9Alp CMa	-1.4400	11000.	121	49930	No
11	GOM_TRA_1PNPDE20110917_013840_000000513106_00347_49930_7979.N1	17-SEP-2011 01:38:40	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	49930	No
12	GOM_TRA_1PNPDE20110917_020202_000000503106_00348_49931_7980.N1	17-SEP-2011 02:02:02	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	49931	No
13	GOM_TRA_1PNPDE20110917_020932_000000573106_00348_49931_7981.N1	17-SEP-2011 02:09:32	Twilight_and_stray	56.500	52	16Bet Cet	2.0370	4500.0	113	49931	No
14	GOM_TRA_1PNPDE20110917_022013_000000393106_00348_49931_7982.N1	17-SEP-2011 02:20:13	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	49931	No
15	GOM_TRA_1PNPDE20110917_022402_000000393106_00348_49931_7983.N1	17-SEP-2011 02:24:02	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	49931	No
16	GOM_TRA_1PNPDE20110917_022553_000000493106_00348_49931_7984.N1	17-SEP-2011 02:25:53	Bright	48.500	58	21Alp And	2.0730	11000.	97	49931	No
17	GOM_TRA_1PNPDE20110917_023409_000000393106_00348_49931_7985.N1	17-SEP-2011 02:34:09	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	49931	No
18	GOM_TRA_1PNPDE20110917_023552_000000433106_00348_49931_7986.N1	17-SEP-2011 02:35:52	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	49931	No
19	GOM_TRA_1PNPDE20110917_025834_000000653106_00348_49931_8010.N1	17-SEP-2011 02:58:34	Bright	65.000	24	66Alp Gem	1.5800	10200.	130	49931	No
20	GOM_TRA_1PNPDE20110917_030727_000000623106_00348_49931_8011.N1	17-SEP-2011 03:07:27	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	49931	No
21	GOM_TRA_1PNPDE20110917_031649_000000543106_00348_49931_8012.N1	17-SEP-2011 03:16:49	Dark	53.500	1	9Alp CMa	-1.4400	11000.	107	49931	No
22	GOM_TRA_1PNPDE20110917_031855_000000513106_00348_49931_8013.N1	17-SEP-2011 03:18:55	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	49931	No
23	GOM_TRA_1PNPDE20110917_033637_000000463106_00349_49932_8014.N1	17-SEP-2011 03:36:37	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49932	No
24	GOM_TRA_1PNPDE20110917_034217_000000433106_00349_49932_8015.N1	17-SEP-2011 03:42:17	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	49932	No
25	GOM_TRA_1PNPDE20110917_034946_000000543106_00349_49932_8016.N1	17-SEP-2011 03:49:46	Twilight_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	49932	No
26	GOM_TRA_1PNPDE20110917_040027_000000403106_00349_49932_8017.N1	17-SEP-2011 04:00:27	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	49932	No
27	GOM_TRA_1PNPDE20110917_040416_000000513106_00349_49932_8018.N1	17-SEP-2011 04:04:16	Bright	51.000	93	53Bet Peg	2.5200	3100.0	102	49932	No
28	GOM_TRA_1PNPDE20110917_040606_000000473106_00349_49932_8019.N1	17-SEP-2011 04:06:06	Bright	47.000	58	21Alp And	2.0730	11000.	94	49932	No
29	GOM_TRA_1PNPDE20110917_041422_000000413106_00349_49932_8020.N1	17-SEP-2011 04:14:22	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	49932	No
30	GOM_TRA_1PNPDE20110917_041606_000000413106_00349_49932_8021.N1	17-SEP-2011 04:16:06	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	49932	No
31	GOM_TRA_1PNPDE20110917_043849_000000443106_00349_49932_8042.N1	17-SEP-2011 04:38:49	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	49932	No
32	GOM_TRA_1PNPDE20110917_044742_000000473106_00349_49932_8043.N1	17-SEP-2011 04:47:42	Dark	47.000	8	10Alp CMi	0.40000	6500.0	94	49932	No
33	GOM_TRA_1PNPDE20110917_045704_000000743106_00349_49932_8044.N1	17-SEP-2011 04:57:04	Dark	73.500	1	9Alp CMa	-1.4400	11000.	147	49932	No
34	GOM_TRA_1PNPDE20110917_045909_000000523106_00349_49932_8045.N1	17-SEP-2011 04:59:09	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	49932	No
35	GOM_TRA_1PNPDE20110917_052231_000000453106_00350_49933_8046.N1	17-SEP-2011 05:22:31	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	49933	No
36	GOM_TRA_1PNPDE20110917_053000_000000563106_00350_49933_8047.N1	17-SEP-2011 05:30:00	Twilight_and_stray	56.000	52	16Bet Cet	2.0370	4500.0	112	49933	No
37	GOM_TRA_1PNPDE20110917_054041_000000403106_00350_49933_8048.N1	17-SEP-2011 05:40:41	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	49933	No
38	GOM_TRA_1PNPDE20110917_054430_000000393106_00350_49933_8049.N1	17-SEP-2011 05:44:30	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	49933	No
39	GOM_TRA_1PNPDE20110917_054620_000000453106_00350_49933_8050.N1	17-SEP-2011 05:46:20	Bright	44.500	58	21Alp And	2.0730	11000.	89	49933	No
40	GOM_TRA_1PNPDE20110917_055436_000000413106_00350_49933_8051.N1	17-SEP-2011 05:54:36	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	49933	No
41	GOM_TRA_1PNPDE20110917_055619_000000433106_00350_49933_8052.N1	17-SEP-2011 05:56:19	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	49933	No
42	GOM_TRA_1PNPDK20110917_061903_000000653106_00350_49933_6190.N1	17-SEP-2011 06:19:03	Bright	65.000	24	66Alp Gem	1.5800	10200.	130	49933	No
43	GOM_TRA_1PNPDK20110917_062756_000000593106_00350_49933_6191.N1	17-SEP-2011 06:27:56	Dark	58.500	8	10Alp CMi	0.40000	6500.0	117	49933	No
44	GOM_TRA_1PNPDK20110917_063719_000000633106_00350_49933_6192.N1	17-SEP-2011 06:37:19	Dark	62.500	1	9Alp CMa	-1.4400	11000.	125	49933	No
45	GOM_TRA_1PNPDK20110917_063924_000000473106_00350_49933_6193.N1	17-SEP-2011 06:39:24	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	49933	No
46	GOM_TRA_1PNPDK20110917_065706_000000563106_00351_49934_6194.N1	17-SEP-2011 06:57:06	Dark	56.000	9	Alp Eri	0.45300	24000.	112	49934	No
47	GOM_TRA_1PNPDK20110917_070246_000000453106_00351_49934_6195.N1	17-SEP-2011 07:02:46	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	49934	No
48	GOM_TRA_1PNPDK20110917_071015_000000563106_00351_49934_6196.N1	17-SEP-2011 07:10:15	Twilight_and_stray	56.000	52	16Bet Cet	2.0370	4500.0	112	49934	No
49	GOM_TRA_1PNPDK20110917_072055_000000403106_00351_49934_6230.N1	17-SEP-2011 07:20:55	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	49934	No
50	GOM_TRA_1PNPDK20110917_072444_000000393106_00351_49934_6231.N1	17-SEP-2011 07:24:44	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	49934	No
51	GOM_TRA_1PNPDK20110917_072633_000000463106_00351_49934_6232.N1	17-SEP-2011 07:26:33	Bright	46.000	58	21Alp And	2.0730	11000.	92	49934	No
52	GOM_TRA_1PNPDK20110917_073450_000000413106_00351_49934_6233.N1	17-SEP-2011 07:34:50	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	49934	No
53	GOM_TRA_1PNPDK20110917_073633_000000433106_00351_49934_6234.N1	17-SEP-2011 07:36:33	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	49934	No
54	GOM_TRA_1PNPDK20110917_075917_000000653106_00351_49934_6235.N1	17-SEP-2011 07:59:17	Bright	65.000	24	66Alp Gem	1.5800	10200.	130	49934	No
55	GOM_TRA_1PNPDK20110917_080811_000000663106_00351_49934_6236.N1	17-SEP-2011 08:08:11	Dark	66.000	8	10Alp CMi	0.40000	6500.0	132	49934	No
56	GOM_TRA_1PNPDK20110917_081734_000000623106_00351_49934_6237.N1	17-SEP-2011 08:17:34	Dark	61.500	1	9Alp CMa	-1.4400	11000.	123	49934	No
57	GOM_TRA_1PNPDK20110917_081939_000000503106_00351_49934_6238.N1	17-SEP-2011 08:19:39	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	49934	No
58	GOM_TRA_1PNPDK20110917_084300_000000453106_00352_49935_6239.N1	17-SEP-2011 08:43:00	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	49935	No
59	GOM_TRA_1PNPDK20110917_085029_000000573106_00352_49935_6240.N1	17-SEP-2011 08:50:29	Twilight_and_stray	56.500	52	16Bet Cet	2.0370	4500.0	113	49935	No
60	GOM_TRA_1PNPDK20110917_090109_000000403106_00352_49935_6270.N1	17-SEP-2011 09:01:09	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	49935	No
61	GOM_TRA_1PNPDK20110917_090457_000000393106_00352_49935_6271.N1	17-SEP-2011 09:04:57	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	49935	No
62	GOM_TRA_1PNPDK20110917_090647_000000453106_00352_49935_6272.N1	17-SEP-2011 09:06:47	Bright	44.500	58	21Alp And	2.0730	11000.	89	49935	No
63	GOM_TRA_1PNPDK20110917_091503_000000403106_00352_49935_6273.N1	17-SEP-2011 09:15:03	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	49935	No
64	GOM_TRA_1PNPDK20110917_091646_000000433106_00352_49935_6274.N1	17-SEP-2011 09:16:46	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	49935	No
65	GOM_TRA_1PNPDK20110917_093931_000000443106_00352_49935_6275.N1	17-SEP-2011 09:39:31	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	49935	No
66	GOM_TRA_1PNPDK20110917_094825_000000553106_00352_49935_6276.N1	17-SEP-2011 09:48:25	Dark	54.500	8	10Alp CMi	0.40000	6500.0	109	49935	No
67	GOM_TRA_1PNPDK20110917_095749_000000663106_00352_49935_6277.N1	17-SEP-2011 09:57:49	Dark	65.500	1	9Alp CMa	-1.4400	11000.	131	49935	No
68	GOM_TRA_1PNPDK20110917_095954_000000523106_00352_49935_6278.N1	17-SEP-2011 09:59:54	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	49935	No

69	GOM_TRA_1PNPDK20110917_101735_000000493106_00353_49936_6279.N1	17-SEP-2011 10:17:35	Dark	49.000	9	Alp Eri	0.45300	24000.	98	49936	No
70	GOM_TRA_1PNPDK20110917_102314_000000453106_00353_49936_6280.N1	17-SEP-2011 10:23:14	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	49936	No
71	GOM_TRA_1PNPDK20110917_103043_000000583106_00353_49936_6281.N1	17-SEP-2011 10:30:43	Twilight_and_stray	58.000	52	16Bet Cet	2.0370	4500.0	116	49936	No
72	GOM_TRA_1PNPDK20110917_104123_000000403106_00353_49936_6321.N1	17-SEP-2011 10:41:23	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	49936	No
73	GOM_TRA_1PNPDK20110917_104511_000000383106_00353_49936_6322.N1	17-SEP-2011 10:45:11	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	49936	No
74	GOM_TRA_1PNPDK20110917_104700_000000473106_00353_49936_6323.N1	17-SEP-2011 10:47:00	Bright	47.000	58	21Alp And	2.0730	11000.	94	49936	No
75	GOM_TRA_1PNPDK20110917_105517_000000403106_00353_49936_6324.N1	17-SEP-2011 10:55:17	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	49936	No
76	GOM_TRA_1PNPDK20110917_105700_000000443106_00353_49936_6325.N1	17-SEP-2011 10:57:00	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	49936	No
77	GOM_TRA_1PNPDK20110917_111945_000000653106_00353_49936_6326.N1	17-SEP-2011 11:19:45	Bright	65.000	24	66Alp Gem	1.5800	10200.	130	49936	No
78	GOM_TRA_1PNPDK20110917_112840_000000543106_00353_49936_6327.N1	17-SEP-2011 11:28:40	Dark	54.000	8	10Alp CMi	0.40000	6500.0	108	49936	No
79	GOM_TRA_1PNPDK20110917_113804_000000633106_00353_49936_6328.N1	17-SEP-2011 11:38:04	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	49936	No
80	GOM_TRA_1PNPDK20110917_114009_000000503106_00353_49936_6329.N1	17-SEP-2011 11:40:09	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	49936	No
81	GOM_TRA_1PNPDK20110917_115750_000000443106_00354_49937_6330.N1	17-SEP-2011 11:57:50	Dark	43.500	9	Alp Eri	0.45300	24000.	87	49937	No
82	GOM_TRA_1PNPDK20110917_120329_000000483106_00354_49937_6331.N1	17-SEP-2011 12:03:29	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	49937	No
83	GOM_TRA_1PNPDK20110917_121057_000000573106_00354_49937_6332.N1	17-SEP-2011 12:10:57	Twilight_and_stray	56.500	52	16Bet Cet	2.0370	4500.0	113	49937	No
84	GOM_TRA_1PNPDK20110917_122137_000000383106_00354_49937_6371.N1	17-SEP-2011 12:21:37	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	49937	No
85	GOM_TRA_1PNPDK20110917_122525_000000383106_00354_49937_6372.N1	17-SEP-2011 12:25:25	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	49937	No
86	GOM_TRA_1PNPDK20110917_122713_000000463106_00354_49937_6373.N1	17-SEP-2011 12:27:13	Bright	46.000	58	21Alp And	2.0730	11000.	92	49937	No
87	GOM_TRA_1PNPDK20110917_123530_000000403106_00354_49937_6374.N1	17-SEP-2011 12:35:30	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	49937	No
88	GOM_TRA_1PNPDK20110917_123713_000000443106_00354_49937_6375.N1	17-SEP-2011 12:37:13	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	49937	No
89	GOM_TRA_1PNPDK20110917_125959_000000533106_00354_49937_6376.N1	17-SEP-2011 12:59:59	Bright	52.500	24	66Alp Gem	1.5800	10200.	105	49937	No
90	GOM_TRA_1PNPDK20110917_130854_000000563106_00354_49937_6377.N1	17-SEP-2011 13:08:54	Dark	56.000	8	10Alp CMi	0.40000	6500.0	112	49937	No
91	GOM_TRA_1PNPDK20110917_131819_000000653106_00354_49937_6378.N1	17-SEP-2011 13:18:19	Dark	64.500	1	9Alp CMa	-1.4400	11000.	129	49937	No
92	GOM_TRA_1PNPDK20110917_132024_000000533106_00354_49937_6379.N1	17-SEP-2011 13:20:24	Dark	52.500	23	21Eps CMa	1.5020	26000.	105	49937	No
93	GOM_TRA_1PNPDK20110917_133804_000000403106_00355_49938_6380.N1	17-SEP-2011 13:38:04	Dark	40.000	9	Alp Eri	0.45300	24000.	80	49938	No
94	GOM_TRA_1PNPDK20110917_134343_000000443106_00355_49938_6381.N1	17-SEP-2011 13:43:43	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	49938	No
95	GOM_TRA_1PNPDK20110917_135111_000000563106_00355_49938_6412.N1	17-SEP-2011 13:51:11	Twilight_and_stray	55.500	52	16Bet Cet	2.0370	4500.0	111	49938	No
96	GOM_TRA_1PNPDK20110917_140150_000000393106_00355_49938_6413.N1	17-SEP-2011 14:01:50	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	49938	No
97	GOM_TRA_1PNPDK20110917_140539_000000393106_00355_49938_6414.N1	17-SEP-2011 14:05:39	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	49938	No
98	GOM_TRA_1PNPDK20110917_140727_000000473106_00355_49938_6415.N1	17-SEP-2011 14:07:27	Bright	47.000	58	21Alp And	2.0730	11000.	94	49938	No
99	GOM_TRA_1PNPDK20110917_141544_000000413106_00355_49938_6416.N1	17-SEP-2011 14:15:44	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	49938	No
100	GOM_TRA_1PNPDK20110917_141726_000000433106_00355_49938_6417.N1	17-SEP-2011 14:17:26	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	49938	No
101	GOM_TRA_1PNPDK20110917_144013_000000463106_00355_49938_6418.N1	17-SEP-2011 14:40:13	Bright	46.000	24	66Alp Gem	1.5800	10200.	92	49938	No
102	GOM_TRA_1PNPDK20110917_144909_000000593106_00355_49938_6419.N1	17-SEP-2011 14:49:09	Dark	58.500	8	10Alp CMi	0.40000	6500.0	117	49938	No
103	GOM_TRA_1PNPDK20110917_145835_000000693106_00355_49938_6420.N1	17-SEP-2011 14:58:35	Dark	68.500	1	9Alp CMa	-1.4400	11000.	137	49938	No
104	GOM_TRA_1PNPDK20110917_150039_000000543106_00355_49938_6421.N1	17-SEP-2011 15:00:39	Dark	54.000	23	21Eps CMa	1.5020	26000.	108	49938	No
105	GOM_TRA_1PNPDK20110917_151818_000000483106_00356_49939_6422.N1	17-SEP-2011 15:18:18	Dark	47.500	9	Alp Eri	0.45300	24000.	95	49939	No
106	GOM_TRA_1PNPDK20110917_152357_000000483106_00356_49939_6423.N1	17-SEP-2011 15:23:57	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	49939	No
107	GOM_TRA_1PNPDK20110917_153125_000000573106_00356_49939_6453.N1	17-SEP-2011 15:31:25	Twilight_and_stray	56.500	52	16Bet Cet	2.0370	4500.0	113	49939	No
108	GOM_TRA_1PNPDK20110917_154204_000000403106_00356_49939_6454.N1	17-SEP-2011 15:42:04	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	49939	No
109	GOM_TRA_1PNPDK20110917_154552_000000383106_00356_49939_6455.N1	17-SEP-2011 15:45:52	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	49939	No
110	GOM_TRA_1PNPDK20110917_154740_000000443106_00356_49939_6456.N1	17-SEP-2011 15:47:40	Bright	44.000	58	21Alp And	2.0730	11000.	88	49939	No
111	GOM_TRA_1PNPDK20110917_155558_000000413106_00356_49939_6457.N1	17-SEP-2011 15:55:58	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	49939	No
112	GOM_TRA_1PNPDK20110917_155740_000000433106_00356_49939_6458.N1	17-SEP-2011 15:57:40	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	49939	No
113	GOM_TRA_1PNPDK20110917_162027_000000443106_00356_49939_6459.N1	17-SEP-2011 16:20:27	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	49939	No
114	GOM_TRA_1PNPDK20110917_162924_000000593106_00356_49939_6460.N1	17-SEP-2011 16:29:24	Dark	58.500	8	10Alp CMi	0.40000	6500.0	117	49939	No
115	GOM_TRA_1PNPDK20110917_163850_000000603106_00356_49939_6461.N1	17-SEP-2011 16:38:50	Dark	60.000	1	9Alp CMa	-1.4400	11000.	120	49939	No
116	GOM_TRA_1PNPDK20110917_164054_000000483106_00356_49939_6462.N1	17-SEP-2011 16:40:54	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	49939	No
117	GOM_TRA_1PNPDK20110917_170412_000000503106_00357_49940_6463.N1	17-SEP-2011 17:04:12	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	49940	No
118	GOM_TRA_1PNPDK20110917_171139_000000563106_00357_49940_6481.N1	17-SEP-2011 17:11:39	Twilight_and_stray	55.500	52	16Bet Cet	2.0370	4500.0	111	49940	No
119	GOM_TRA_1PNPDK20110917_172218_000000393106_00357_49940_6482.N1	17-SEP-2011 17:22:18	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	49940	No
120	GOM_TRA_1PNPDK20110917_172606_000000383106_00357_49940_6483.N1	17-SEP-2011 17:26:06	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	49940	No
121	GOM_TRA_1PNPDK20110917_172753_000000473106_00357_49940_6484.N1	17-SEP-2011 17:27:53	Bright	47.000	58	21Alp And	2.0730	11000.	94	49940	No
122	GOM_TRA_1PNPDK20110917_173611_000000413106_00357_49940_6485.N1	17-SEP-2011 17:36:11	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	49940	No
123	GOM_TRA_1PNPDK20110917_173753_000000433106_00357_49940_6486.N1	17-SEP-2011 17:37:53	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	49940	No
124	GOM_TRA_1PNPDK20110917_180042_000000453106_00357_49940_6487.N1	17-SEP-2011 18:00:42	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	49940	No
125	GOM_TRA_1PNPDK20110917_180938_000000643106_00357_49940_6488.N1	17-SEP-2011 18:09:38	Dark	64.000	8	10Alp CMi	0.40000	6500.0	128	49940	No
126	GOM_TRA_1PNPDK20110917_181905_000000693106_00357_49940_6489.N1	17-SEP-2011 18:19:05	Dark	68.500	1	9Alp CMa	-1.4400	11000.	137	49940	No
127	GOM_TRA_1PNPDK20110917_182108_000000473106_00357_49940_6490.N1	17-SEP-2011 18:21:08	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	49940	No

128	GOM_TRA_1PNPDK20110917_184426_000000473106_00358_49941_6512.N1	17-SEP-2011 18:44:26	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	49941	No
129	GOM_TRA_1PNPDK20110917_185154_000000573106_00358_49941_6513.N1	17-SEP-2011 18:51:54	Twilight_stray	56.500	52	16Bet Cet	2.0370	4500.0	113	49941	No
130	GOM_TRA_1PNPDK20110917_190232_000000393106_00358_49941_6514.N1	17-SEP-2011 19:02:32	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	49941	No
131	GOM_TRA_1PNPDK20110917_190620_000000413106_00358_49941_6515.N1	17-SEP-2011 19:06:20	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	49941	No
132	GOM_TRA_1PNPDK20110917_190807_000000473106_00358_49941_6516.N1	17-SEP-2011 19:08:07	Bright	47.000	58	21Alp And	2.0730	11000.	94	49941	No
133	GOM_TRA_1PNPDK20110917_191625_000000413106_00358_49941_6517.N1	17-SEP-2011 19:16:25	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	49941	No
134	GOM_TRA_1PNPDK20110917_191807_000000433106_00358_49941_6518.N1	17-SEP-2011 19:18:07	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	49941	No
135	GOM_TRA_1PNPDK20110917_194056_000000653106_00358_49941_6519.N1	17-SEP-2011 19:40:56	Bright	65.000	24	66Alp Gem	1.5800	10200.	130	49941	No
136	GOM_TRA_1PNPDK20110917_194953_000000563106_00358_49941_6520.N1	17-SEP-2011 19:49:53	Dark	56.000	8	10Alp CMi	0.40000	6500.0	112	49941	No
137	GOM_TRA_1PNPDK20110917_195920_000000683106_00358_49941_6521.N1	17-SEP-2011 19:59:20	Dark	68.000	1	9Alp CMa	-1.4400	11000.	136	49941	No
138	GOM_TRA_1PNPDK20110917_200123_000000463106_00358_49941_6522.N1	17-SEP-2011 20:01:23	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	49941	No
139	GOM_TRA_1PNPDE20110917_202441_000000483106_00359_49942_8262.N1	17-SEP-2011 20:24:41	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	49942	No
140	GOM_TRA_1PNPDE20110917_203208_000000593106_00359_49942_8263.N1	17-SEP-2011 20:32:08	Twilight_stray	58.500	52	16Bet Cet	2.0370	4500.0	117	49942	No
141	GOM_TRA_1PNPDE20110917_204246_000000403106_00359_49942_8264.N1	17-SEP-2011 20:42:46	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	49942	No
142	GOM_TRA_1PNPDE20110917_204634_000000393106_00359_49942_8265.N1	17-SEP-2011 20:46:34	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	49942	No
143	GOM_TRA_1PNPDE20110917_204820_000000443106_00359_49942_8266.N1	17-SEP-2011 20:48:20	Bright	43.500	58	21Alp And	2.0730	11000.	87	49942	No
144	GOM_TRA_1PNPDE20110917_205638_000000413106_00359_49942_8267.N1	17-SEP-2011 20:56:38	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	49942	No
145	GOM_TRA_1PNPDE20110917_205820_000000423106_00359_49942_8268.N1	17-SEP-2011 20:58:20	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	49942	No
146	GOM_TRA_1PNPDE20110917_212110_000000453106_00359_49942_8269.N1	17-SEP-2011 21:21:10	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	49942	No
147	GOM_TRA_1PNPDE20110917_213007_000000663106_00359_49942_8270.N1	17-SEP-2011 21:30:07	Dark	65.500	8	10Alp CMi	0.40000	6500.0	131	49942	No
148	GOM_TRA_1PNPDE20110917_213935_000000643106_00359_49942_8282.N1	17-SEP-2011 21:39:35	Dark	63.500	1	9Alp CMa	-1.4400	11000.	127	49942	No
149	GOM_TRA_1PNPDE20110917_214138_000000483106_00359_49942_8283.N1	17-SEP-2011 21:41:38	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	49942	No
150	GOM_TRA_1PNPDE20110917_220455_000000443106_00360_49943_8284.N1	17-SEP-2011 22:04:55	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	49943	No
151	GOM_TRA_1PNPDE20110917_221222_000000573106_00360_49943_8285.N1	17-SEP-2011 22:12:22	Twilight_stray	57.000	52	16Bet Cet	2.0370	4500.0	114	49943	No
152	GOM_TRA_1PNPDE20110917_222300_000000403106_00360_49943_8286.N1	17-SEP-2011 22:23:00	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	49943	No
153	GOM_TRA_1PNPDE20110917_222648_000000403106_00360_49943_8287.N1	17-SEP-2011 22:26:48	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	49943	No
154	GOM_TRA_1PNPDE20110917_222833_000000453106_00360_49943_8288.N1	17-SEP-2011 22:28:33	Bright	45.000	58	21Alp And	2.0730	11000.	90	49943	No
155	GOM_TRA_1PNPDE20110917_223652_000000403106_00360_49943_8289.N1	17-SEP-2011 22:36:52	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	49943	No
156	GOM_TRA_1PNPDE20110917_223834_000000443106_00360_49943_8290.N1	17-SEP-2011 22:38:34	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	49943	No
157	GOM_TRA_1PNPDE20110917_230124_000000463106_00360_49943_8291.N1	17-SEP-2011 23:01:24	Bright	46.000	24	66Alp Gem	1.5800	10200.	92	49943	No
158	GOM_TRA_1PNPDE20110917_231022_000000573106_00360_49943_8292.N1	17-SEP-2011 23:10:22	Dark	57.000	8	10Alp CMi	0.40000	6500.0	114	49943	No
159	GOM_TRA_1PNPDE20110917_231950_000000653106_00360_49943_8305.N1	17-SEP-2011 23:19:50	Dark	65.000	1	9Alp CMa	-1.4400	11000.	130	49943	No
160	GOM_TRA_1PNPDE20110917_232153_000000493106_00360_49943_8306.N1	17-SEP-2011 23:21:53	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	49943	No
161	GOM_TRA_1PNPDE20110917_234509_000000443106_00361_49944_8307.N1	17-SEP-2011 23:45:09	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	49944	No
162	GOM_TRA_1PNPDE20110917_235236_000000573106_00361_49944_8308.N1	17-SEP-2011 23:52:36	Twilight_stray	56.500	52	16Bet Cet	2.0370	4500.0	113	49944	No

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



4. Overview of dark signal processing per product

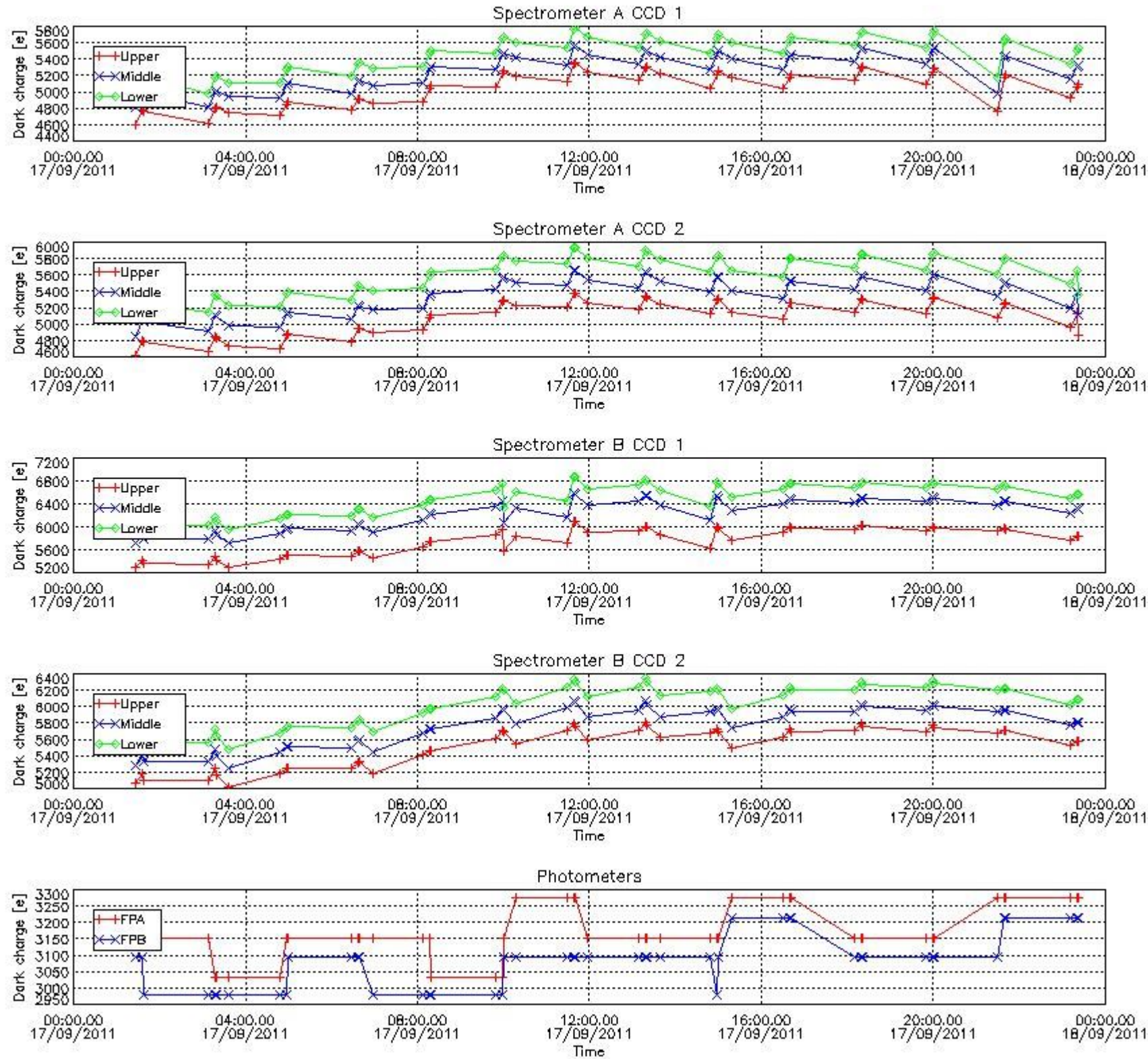
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110917_202441_000000483106_00359_49942_8262.N1	DC map used
GOM_TRA_1PNPDE20110917_203208_000000593106_00359_49942_8263.N1	DC map used
GOM_TRA_1PNPDE20110917_204246_000000403106_00359_49942_8264.N1	DC map used
GOM_TRA_1PNPDE20110917_204634_000000393106_00359_49942_8265.N1	DC map used
GOM_TRA_1PNPDE20110917_204820_000000443106_00359_49942_8266.N1	DC map used
GOM_TRA_1PNPDE20110917_205638_000000413106_00359_49942_8267.N1	DC map used
GOM_TRA_1PNPDE20110917_205820_000000423106_00359_49942_8268.N1	DC map used
GOM_TRA_1PNPDE20110917_212110_000000453106_00359_49942_8269.N1	DC map used
GOM_TRA_1PNPDE20110917_213007_000000663106_00359_49942_8270.N1	DC map used

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



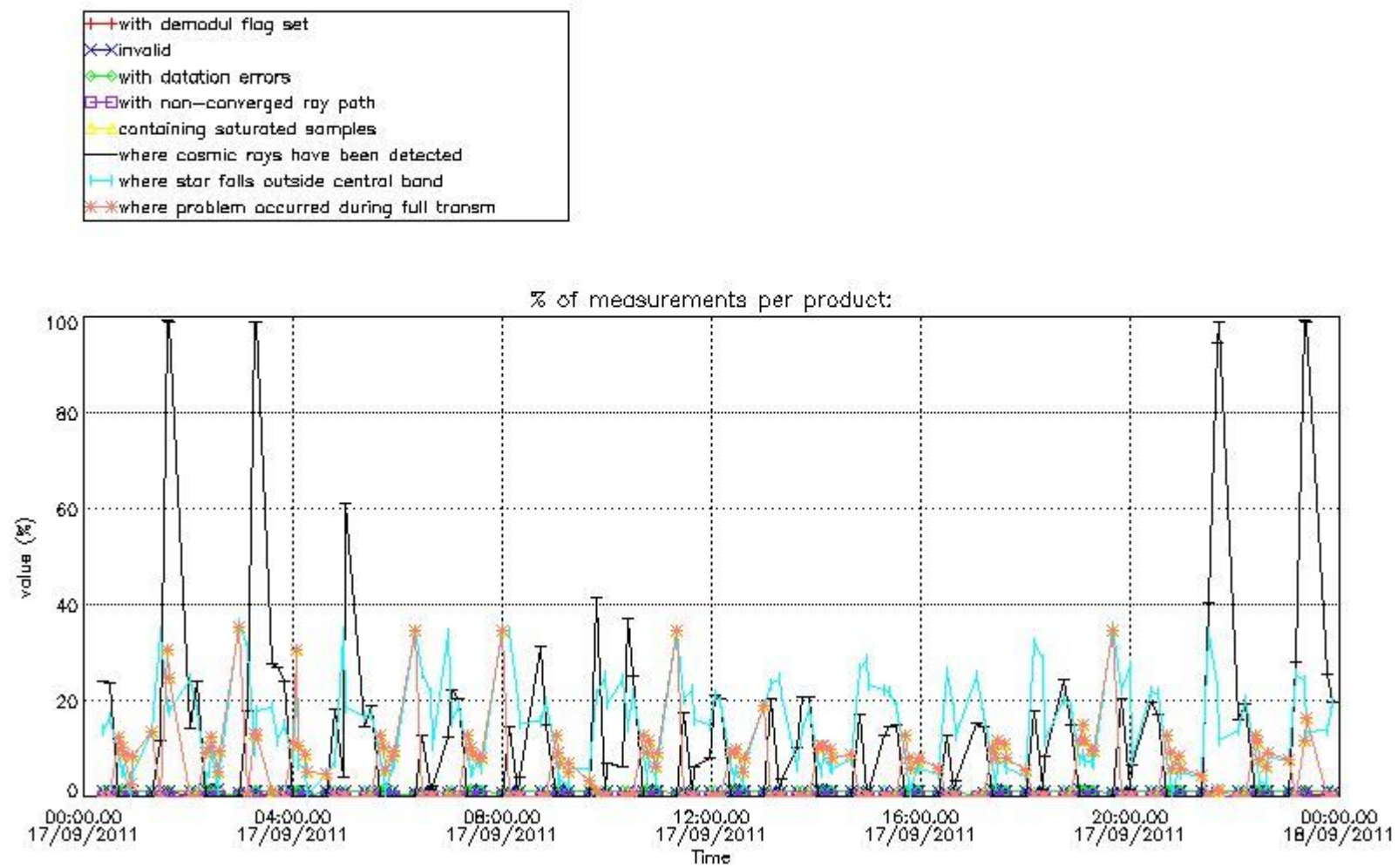
5. Demodulation flag and quality information monitoring

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.

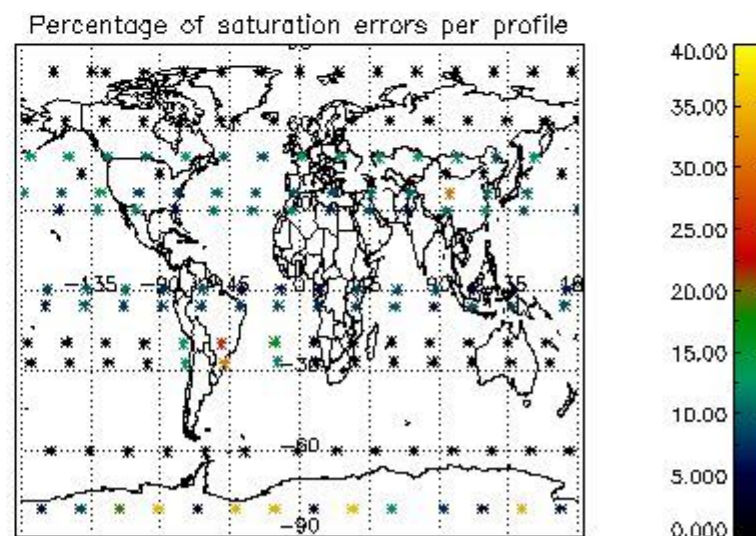
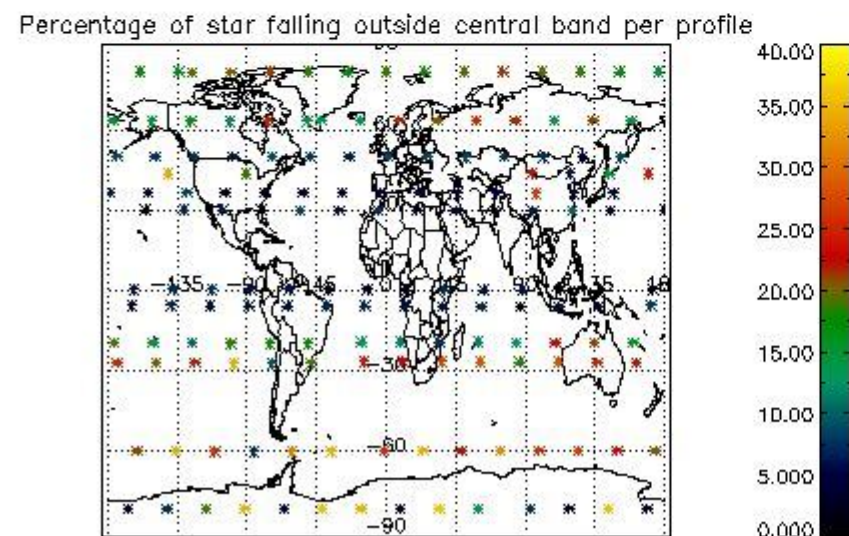
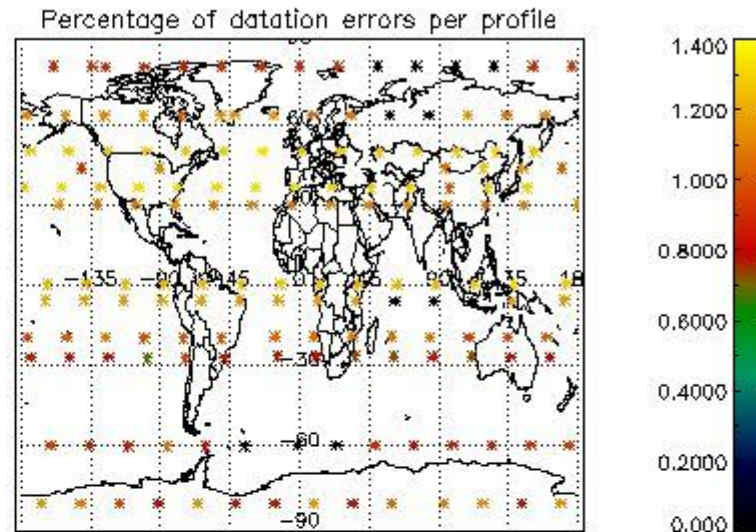
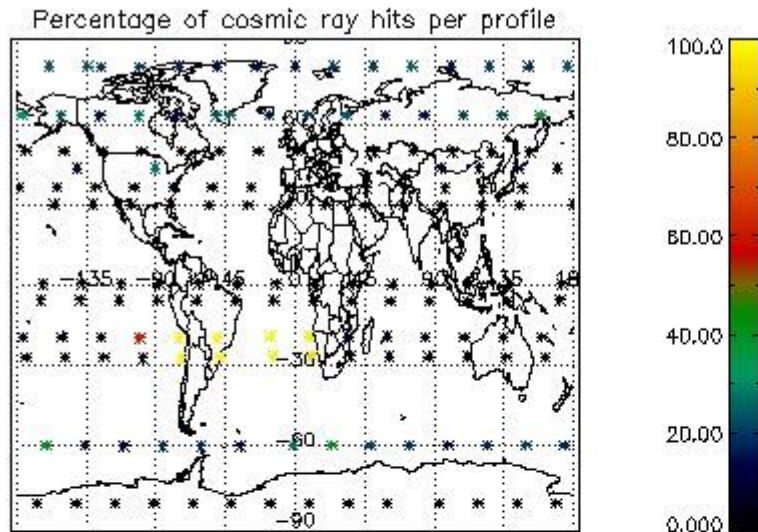
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	45.0617 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	51.8519 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



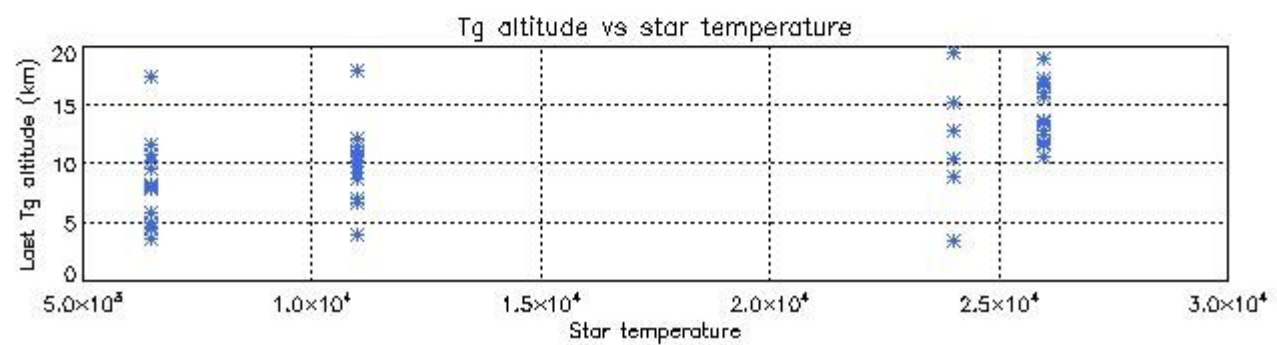
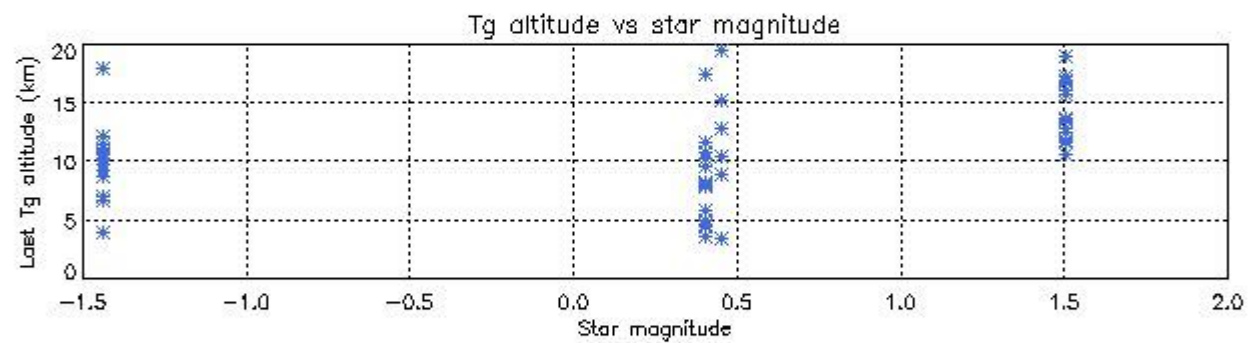
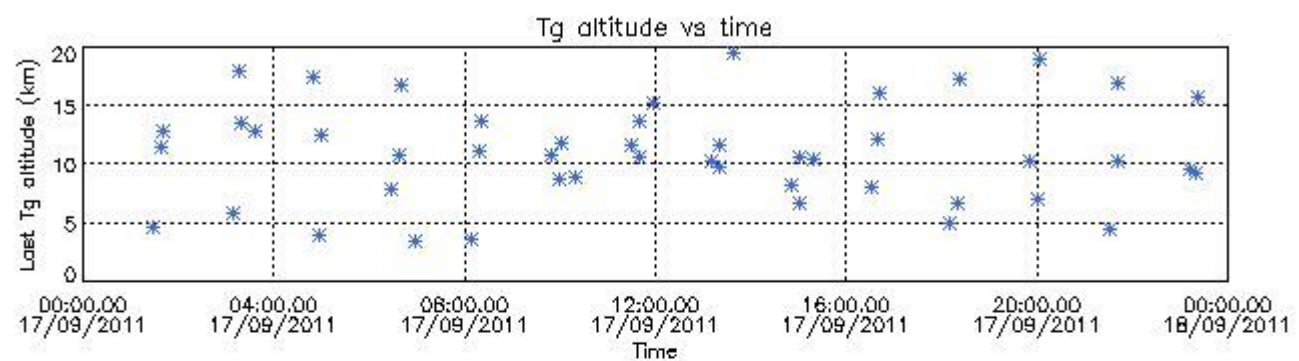
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	10.963	19.780	NaN
St. deviation:	4.2281	4.6769	NaN
Maximum:	19.423	26.462	NaN
Minimum:	3.3615	3.8801	NaN
Number of data:	48.000	84.000	NaN

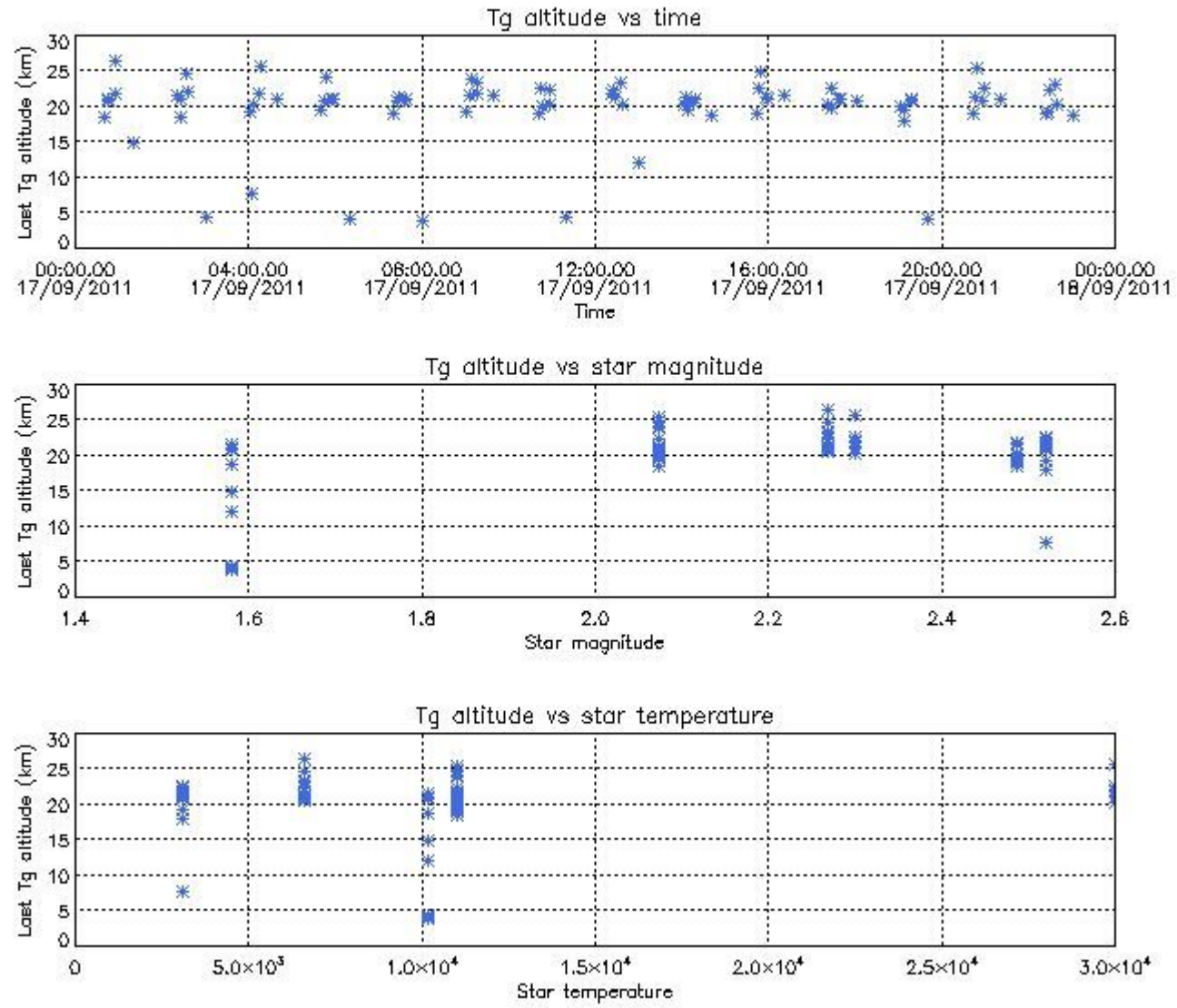
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

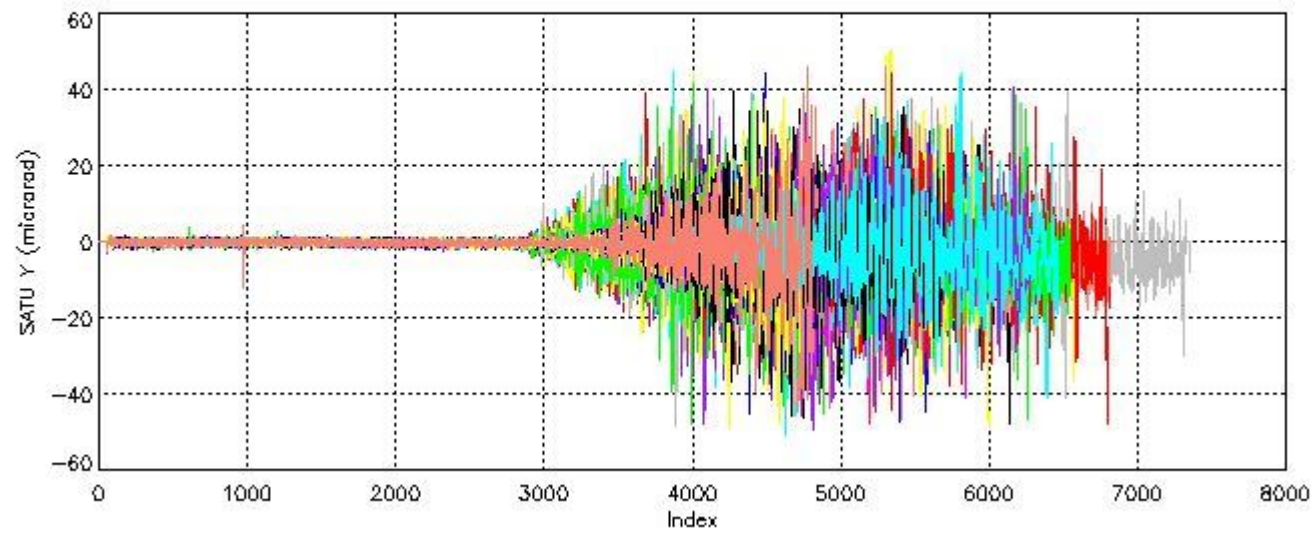
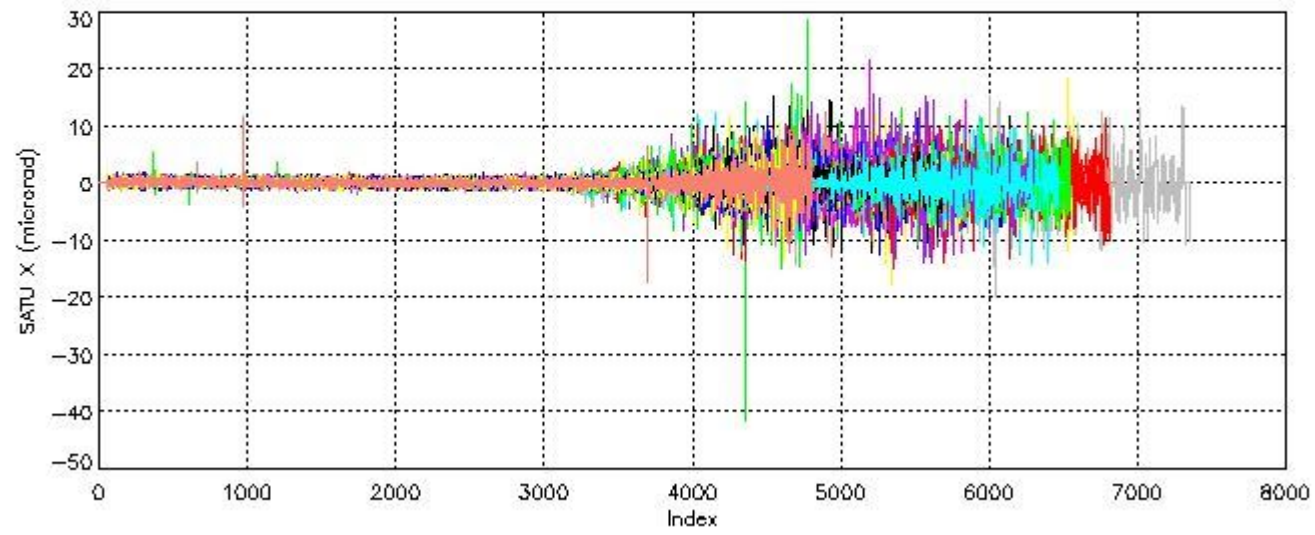


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.21371	-0.23363	0.22689	-0.24815
St. deviation:	0.25296	0.35109	0.69852	0.79275
Maximum:	11.600	4.1000	4.1000	4.4000
Minimum:	-4.0000	-12.200	-4.7000	-5.2000

Number of data:	52950.	52950.	83800.	83800.
90Percentile:	0.50000	0.20000	1.2000	0.80000

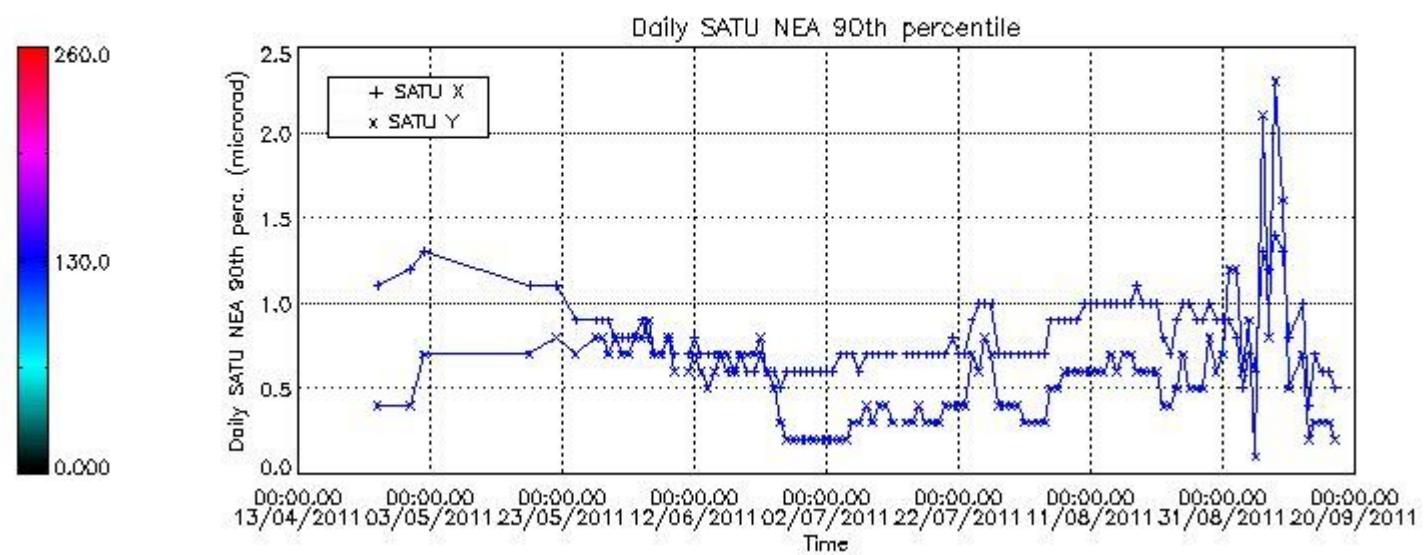
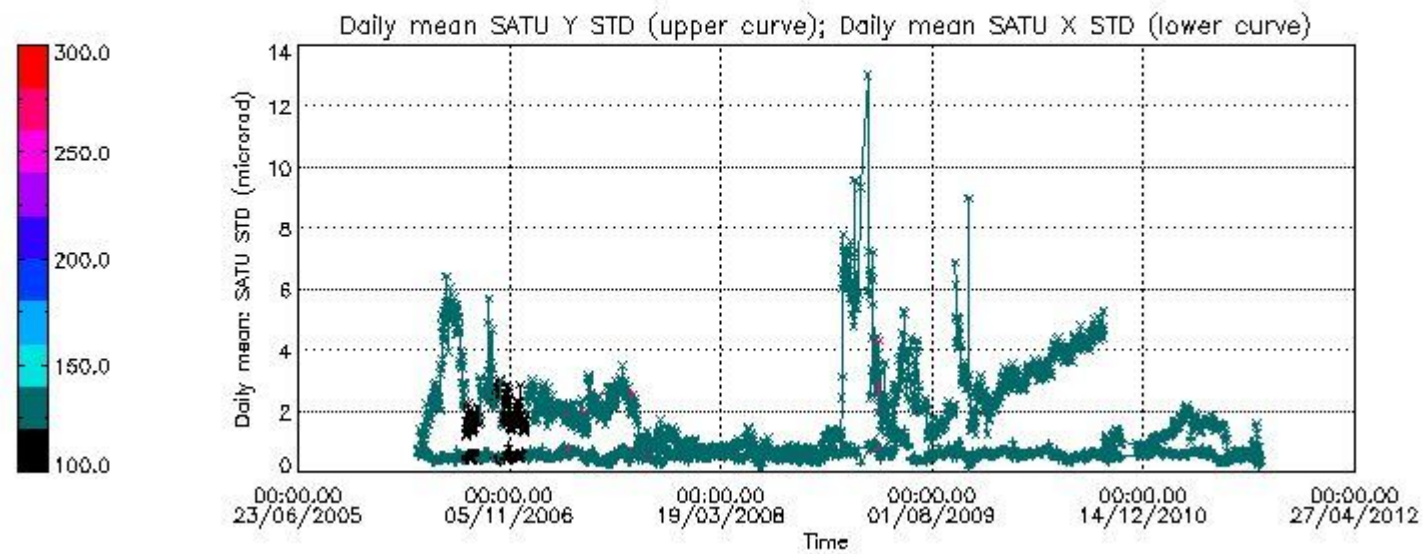
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

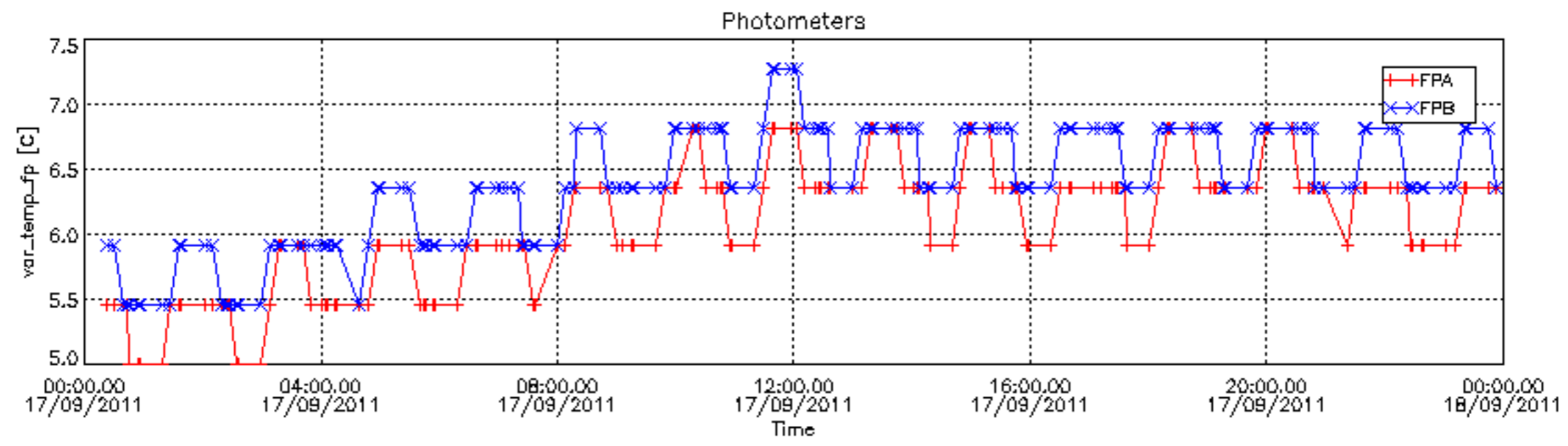
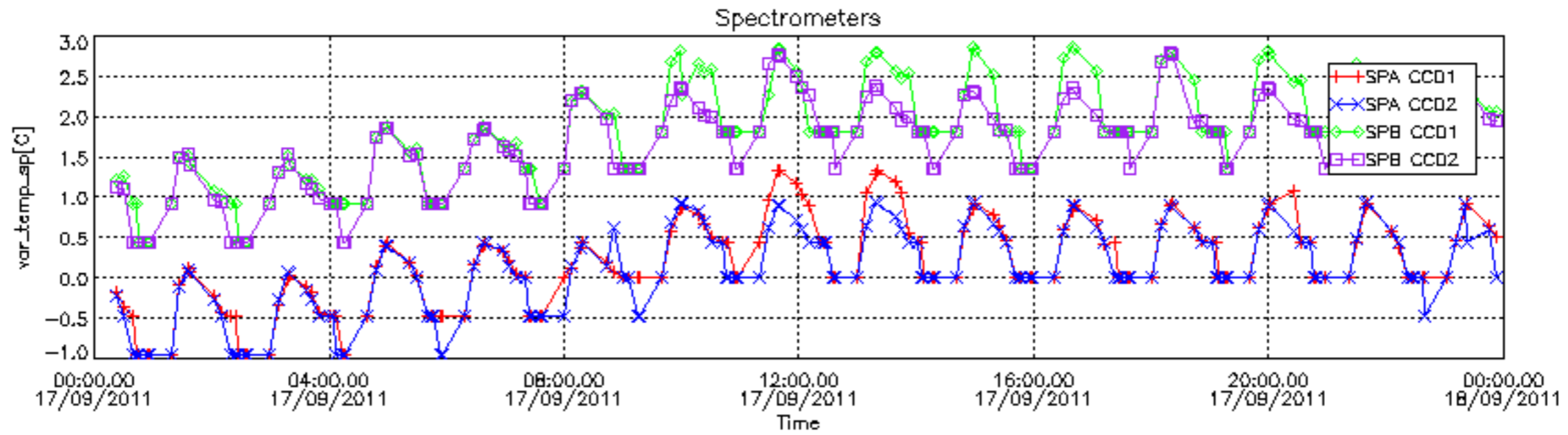
Lower curve: STD of SATU X axis

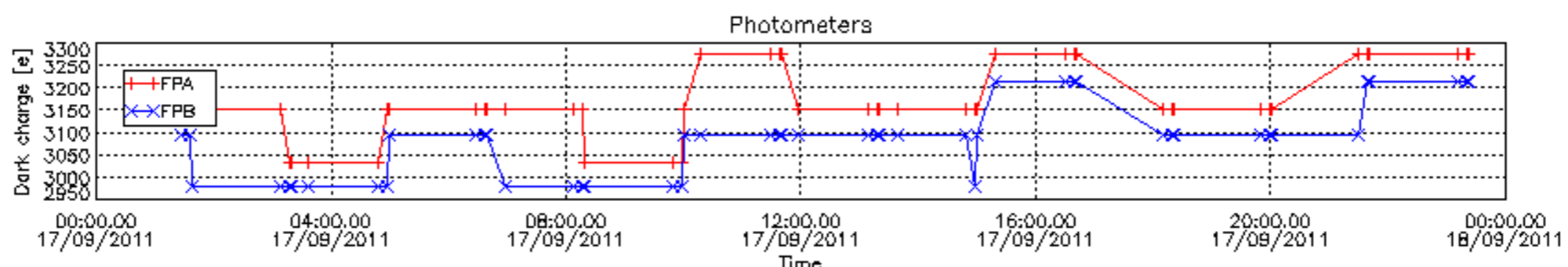
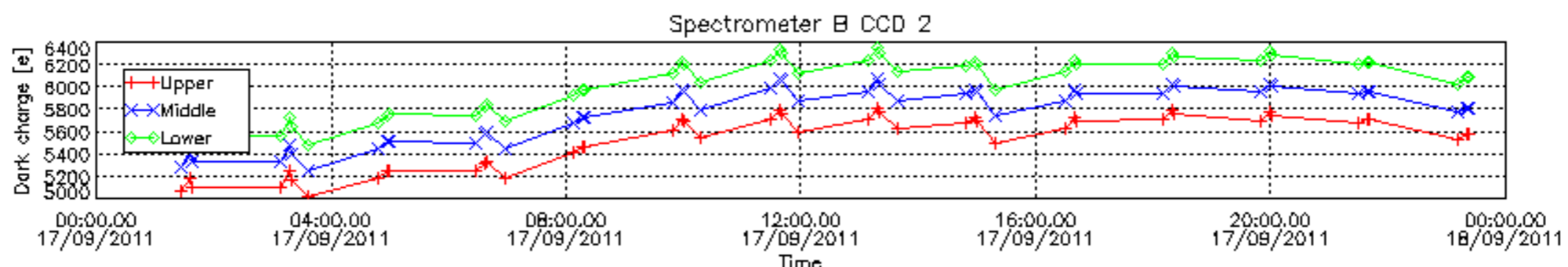
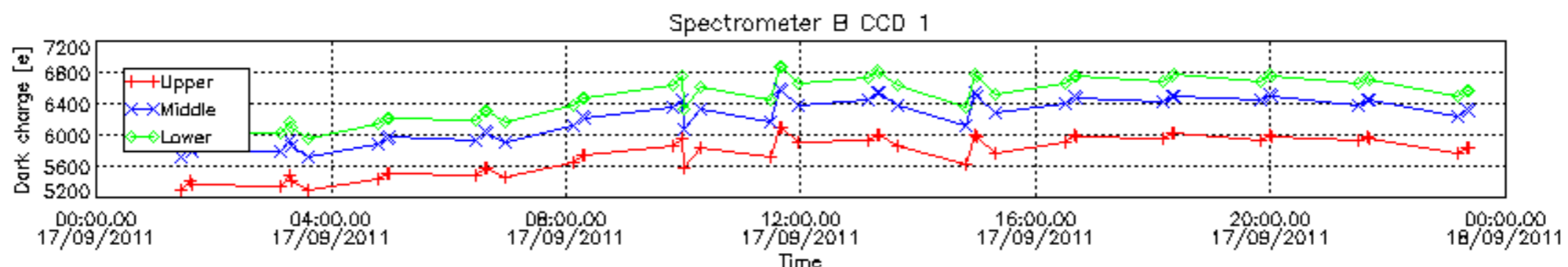
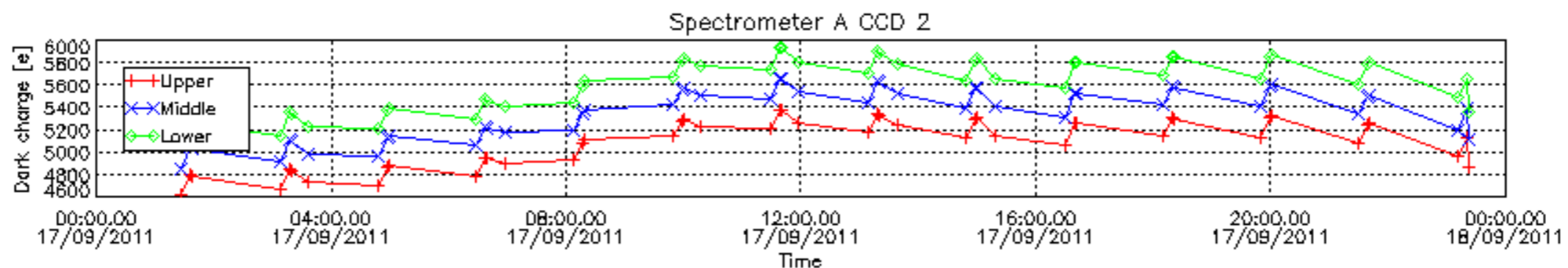
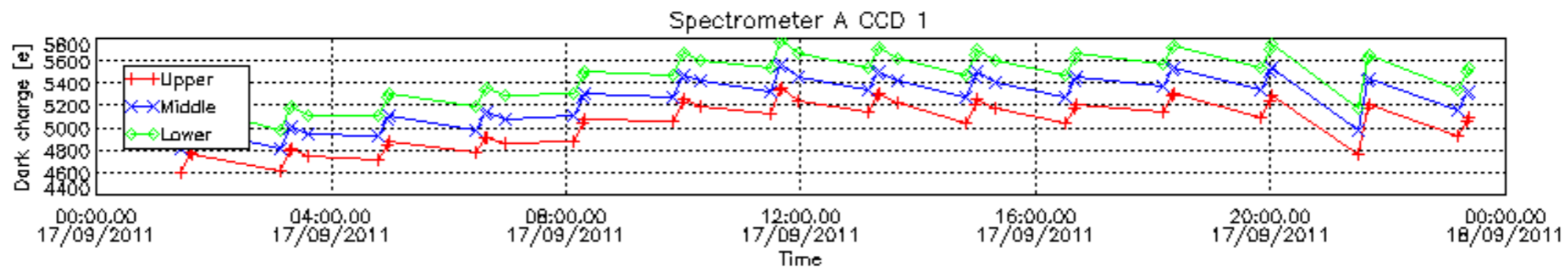


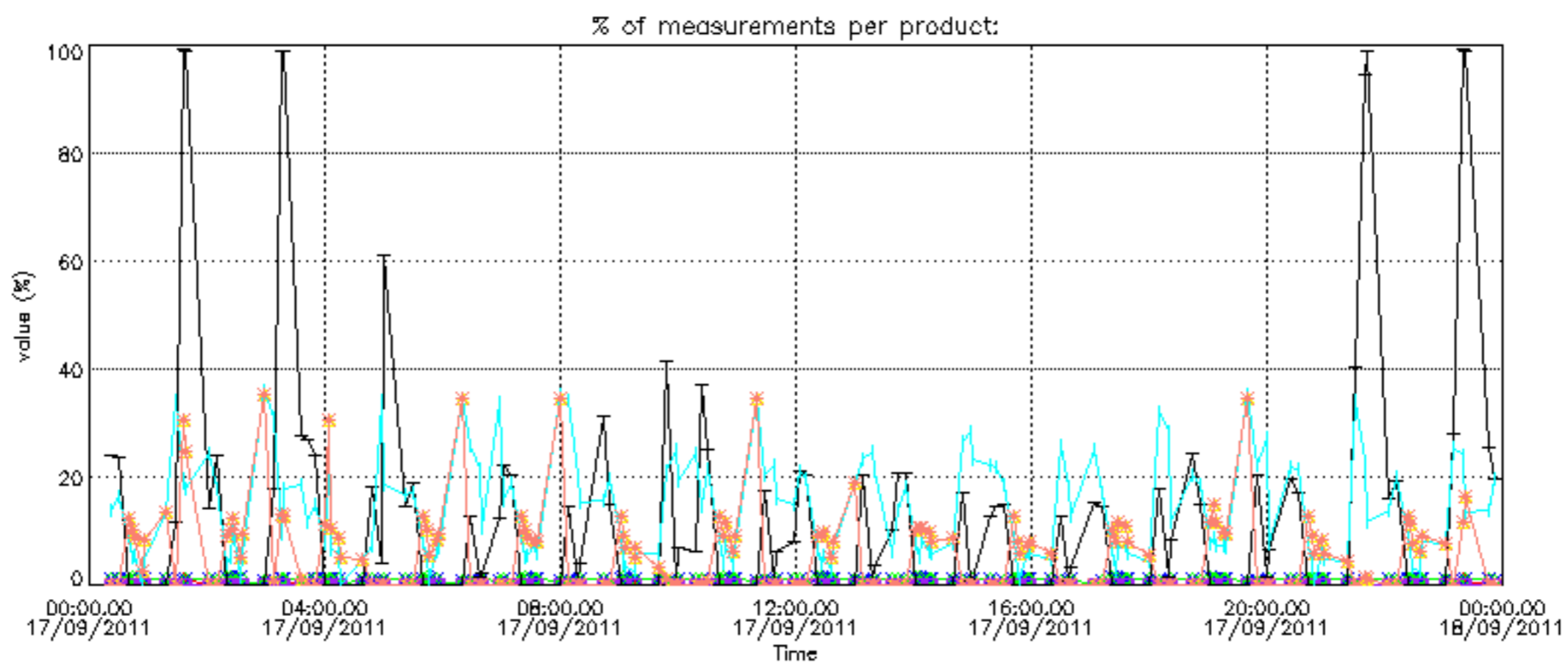
8. Auxiliary Data Files used for the production reported in section 2.4

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

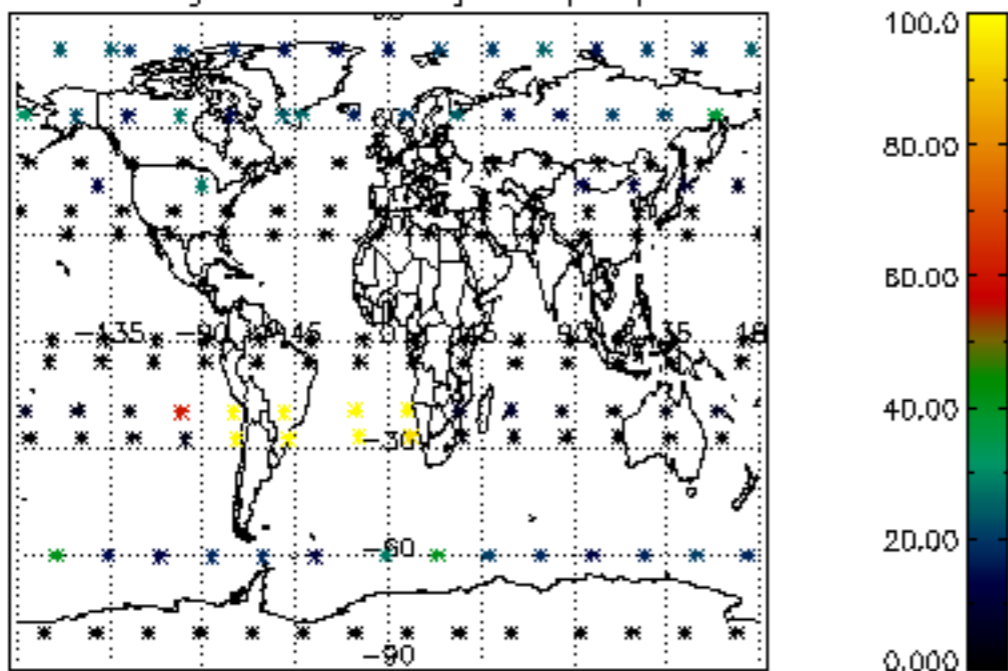
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-SEP-2011 00:21:48
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110915_075659_20110914_000000_20500101_000000	1	17-SEP-2011 00:21:48
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	17-SEP-2011 00:21:48
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-SEP-2011 00:21:48
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	17-SEP-2011 00:21:48
ECMWF_FILE	AUX_ECF_AXNECM20110916_062444_20110916_210000_20110917_090000	1	17-SEP-2011 00:21:48
ECMWF_FILE	AUX_ECF_AXNECM20110916_182442_20110917_030000_20110917_150000	31	17-SEP-2011 04:38:49
ECMWF_FILE	AUX_ECA_AXNECM20110917_062114_20110916_210000_20110917_090000	42	17-SEP-2011 06:19:03
ECMWF_FILE	AUX_ECF_AXNECM20110917_062114_20110917_090000_20110917_210000	60	17-SEP-2011 09:01:09
ECMWF_FILE	AUX_ECF_AXNECM20110917_062115_20110917_150000_20110918_030000	107	17-SEP-2011 15:31:25
ECMWF_FILE	AUX_ECA_AXNECM20110917_182113_20110917_090000_20110917_210000	118	17-SEP-2011 17:11:39
ECMWF_FILE	AUX_ECF_AXNECM20110917_062115_20110917_150000_20110918_030000	139	17-SEP-2011 20:24:41
ECMWF_FILE	AUX_ECF_AXNECM20110917_062115_20110917_210000_20110918_090000	148	17-SEP-2011 21:39:35
OPTIONAL_ECMWF_FILE	MISSING	1	17-SEP-2011 00:21:48
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110916_102441_20110915_194001_20110925_201331	1	17-SEP-2011 00:21:48
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110917_102114_20110916_190316_20110926_211700	72	17-SEP-2011 10:41:23



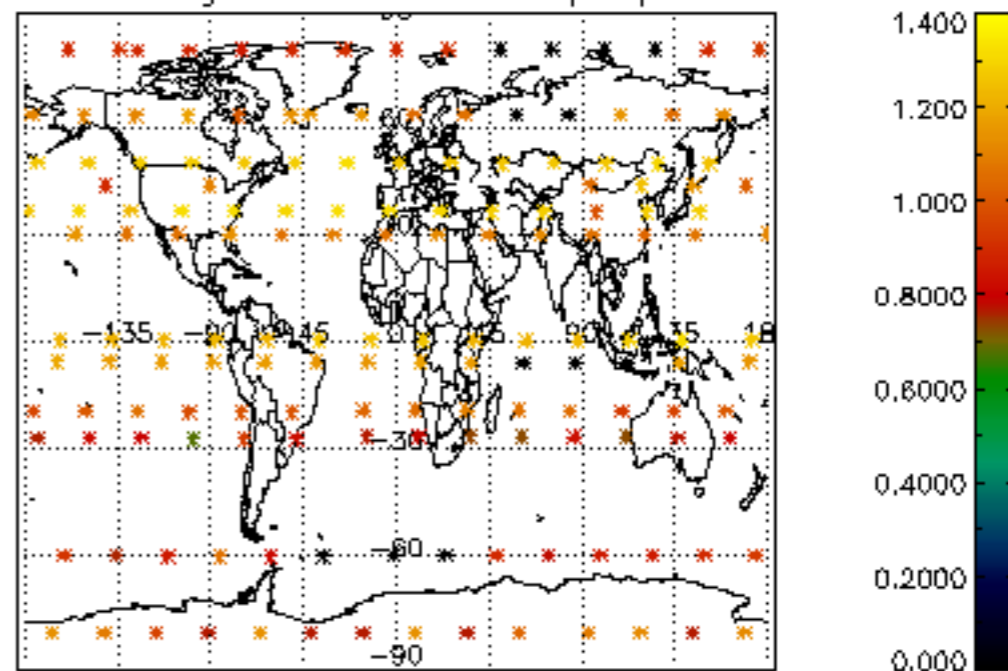




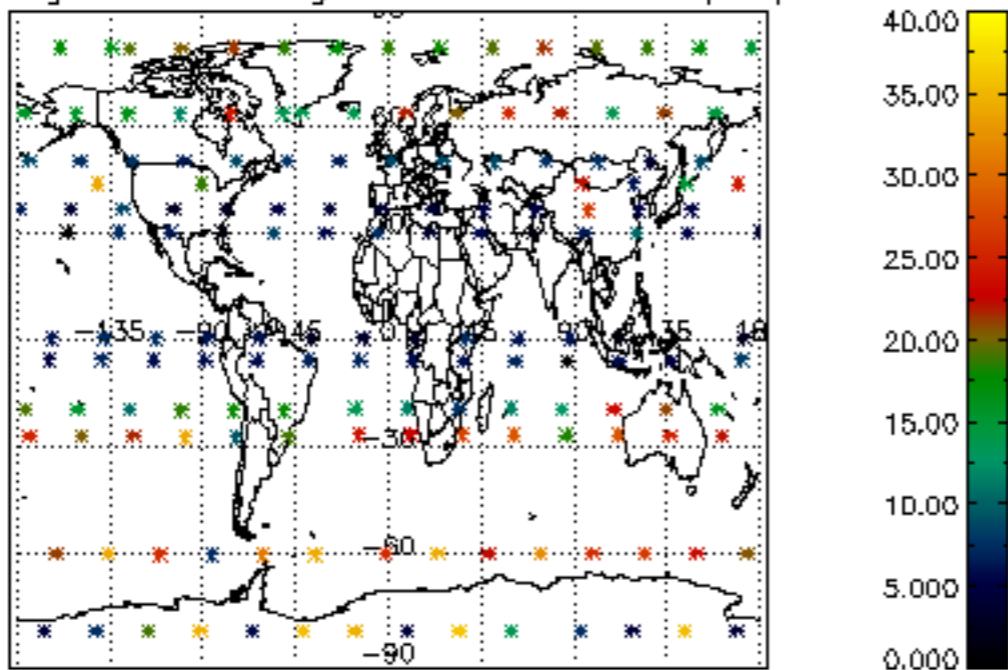
Percentage of cosmic ray hits per profile



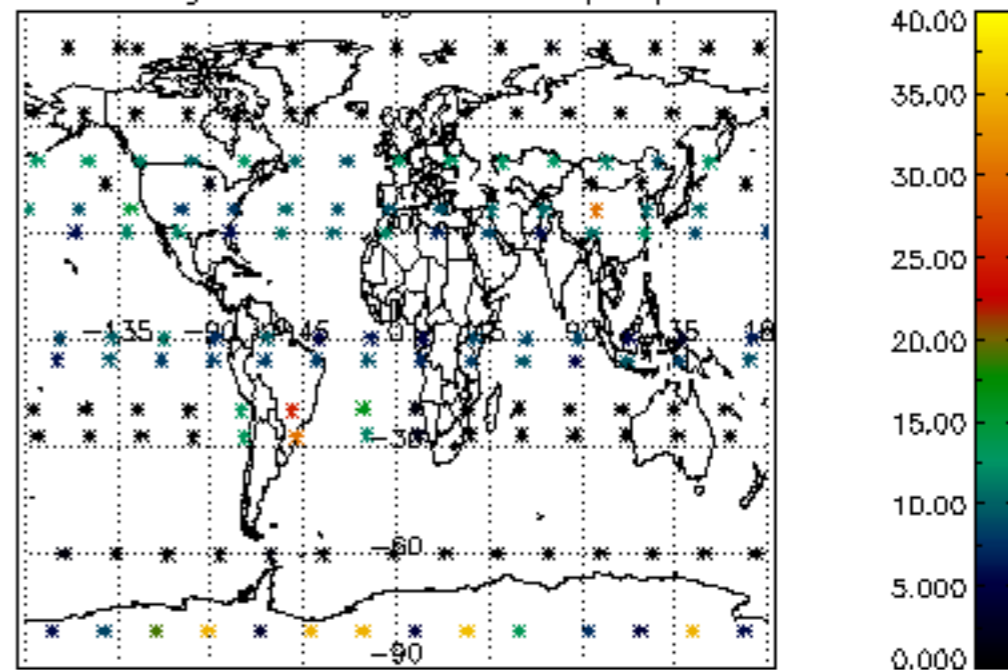
Percentage of datation errors per profile



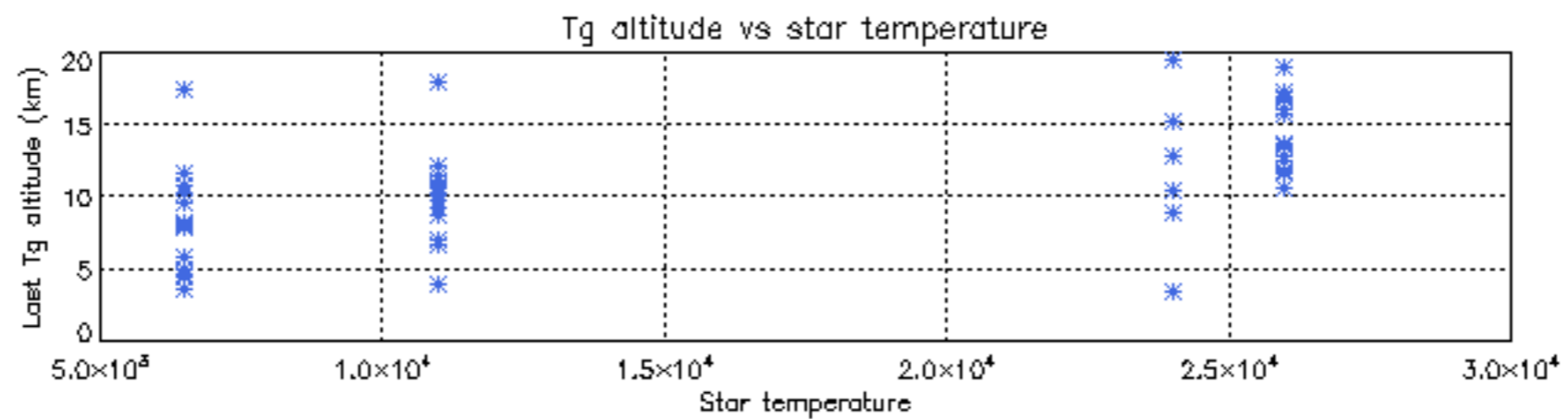
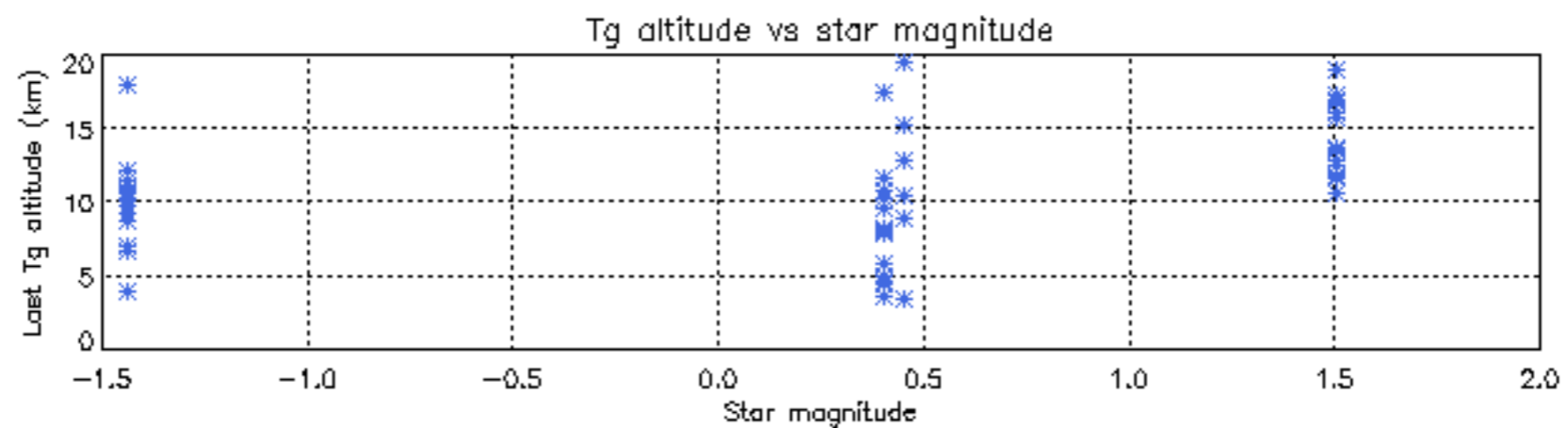
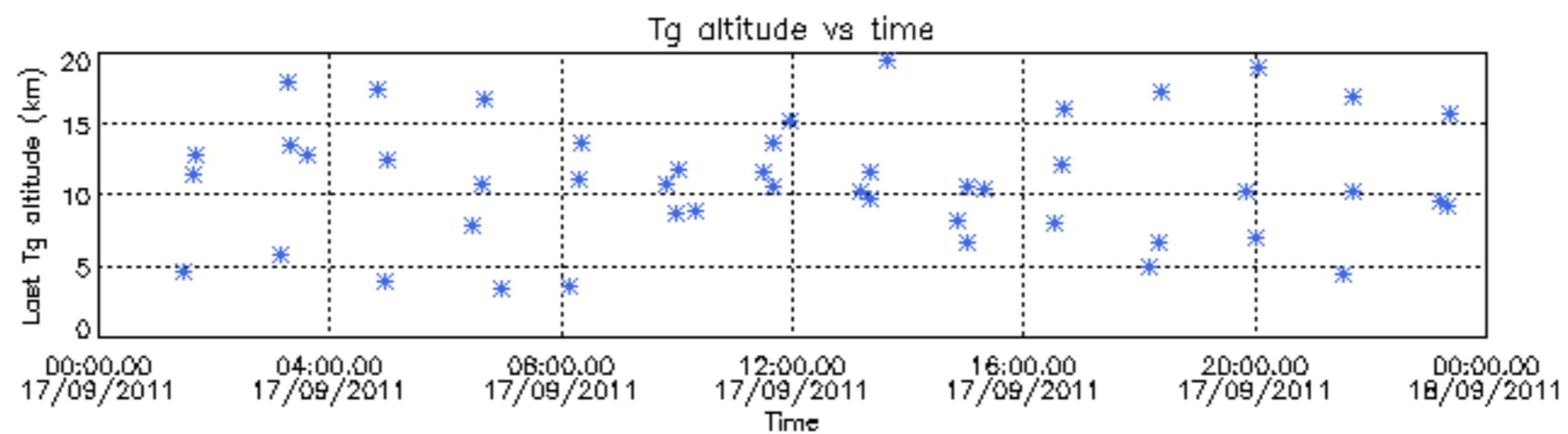
Percentage of star falling outside central band per profile



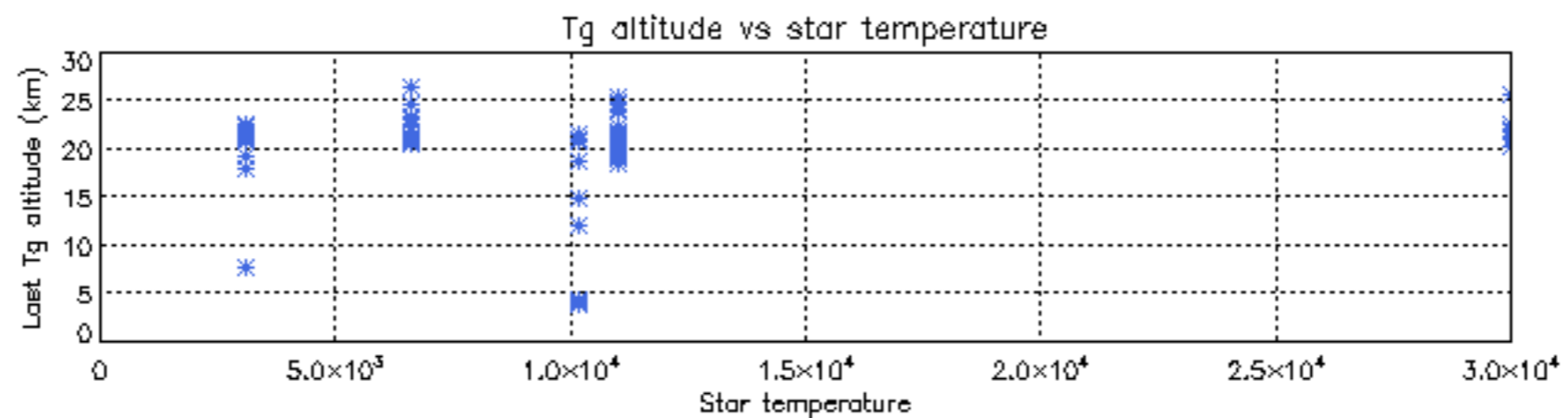
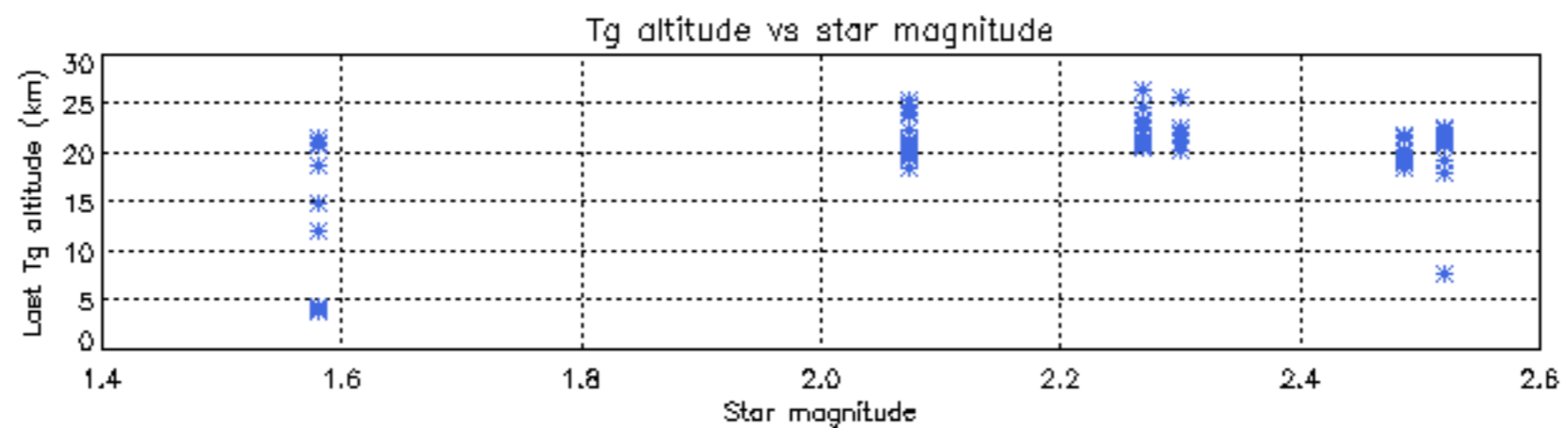
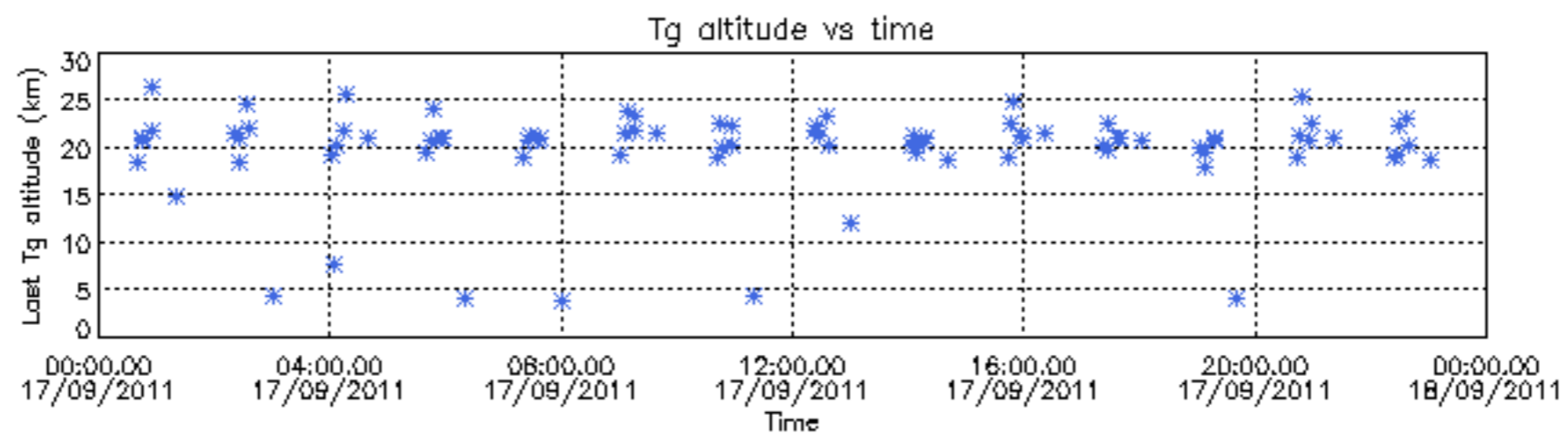
Percentage of saturation errors per profile

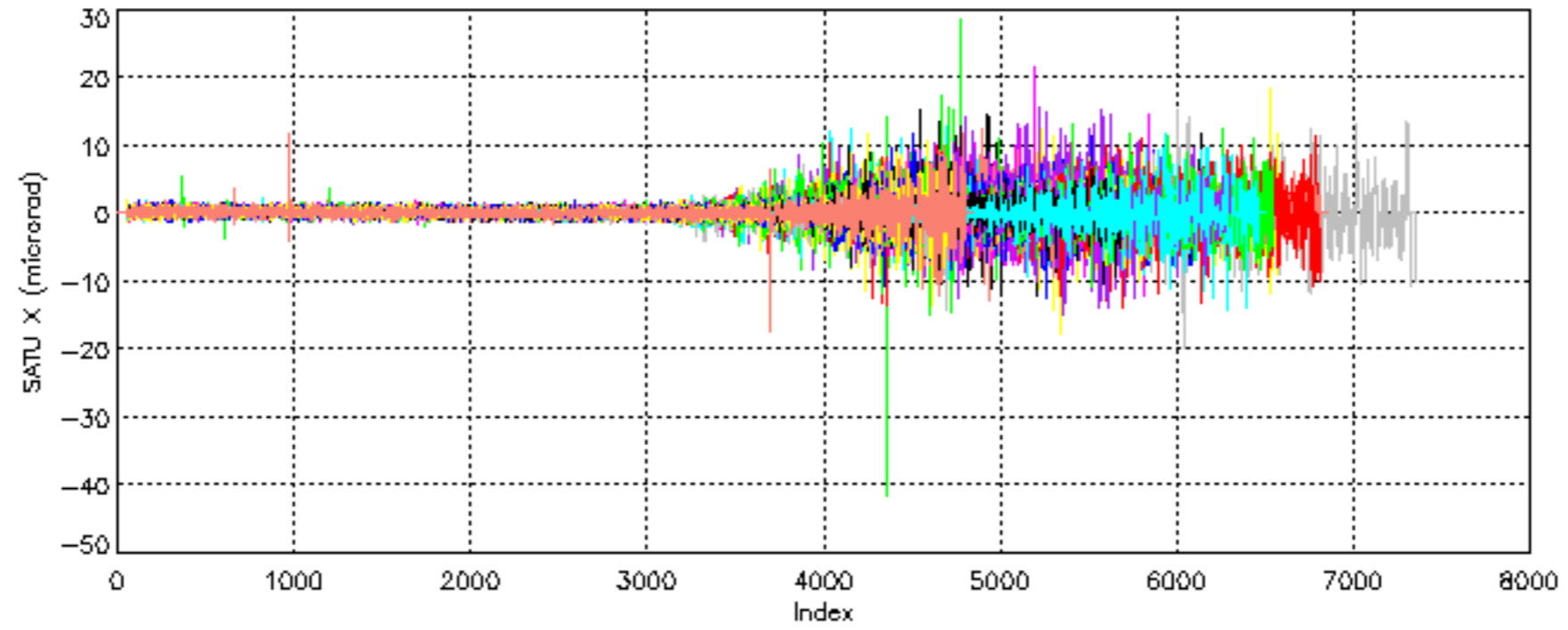


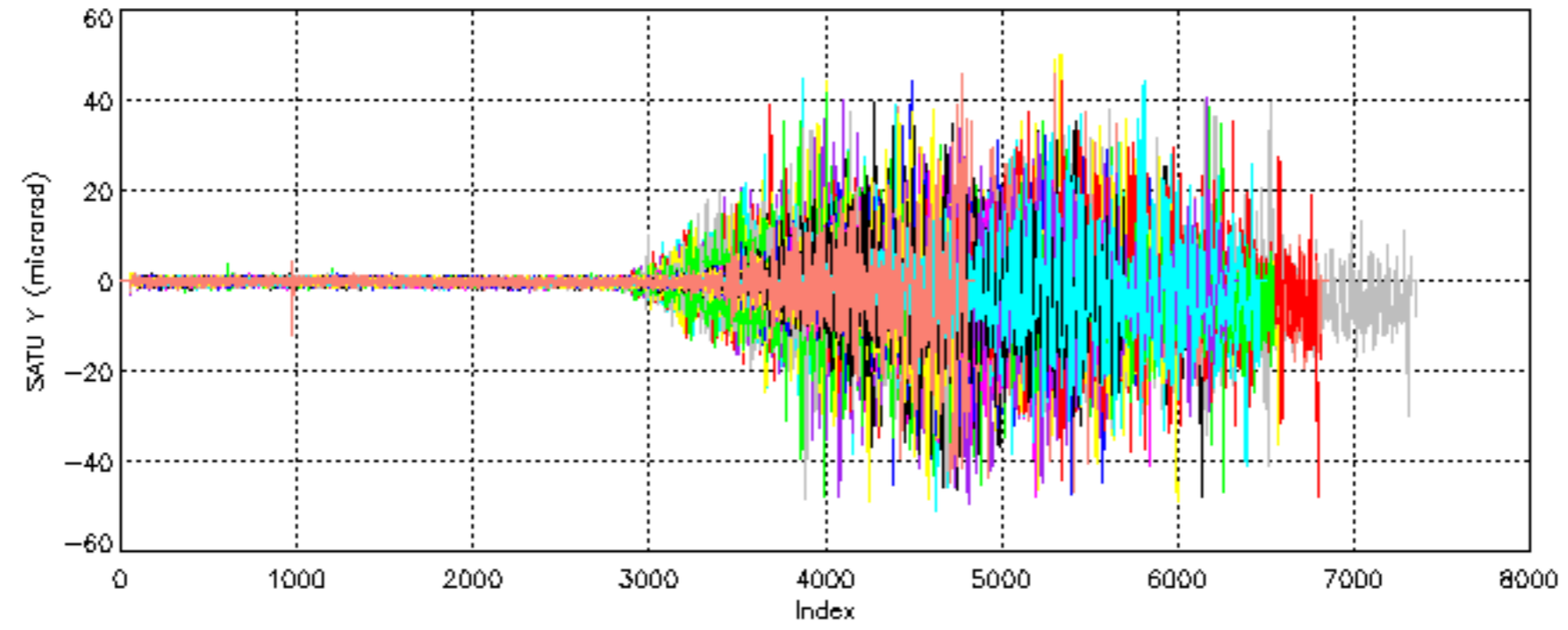
Tangent altitude at which the star is lost

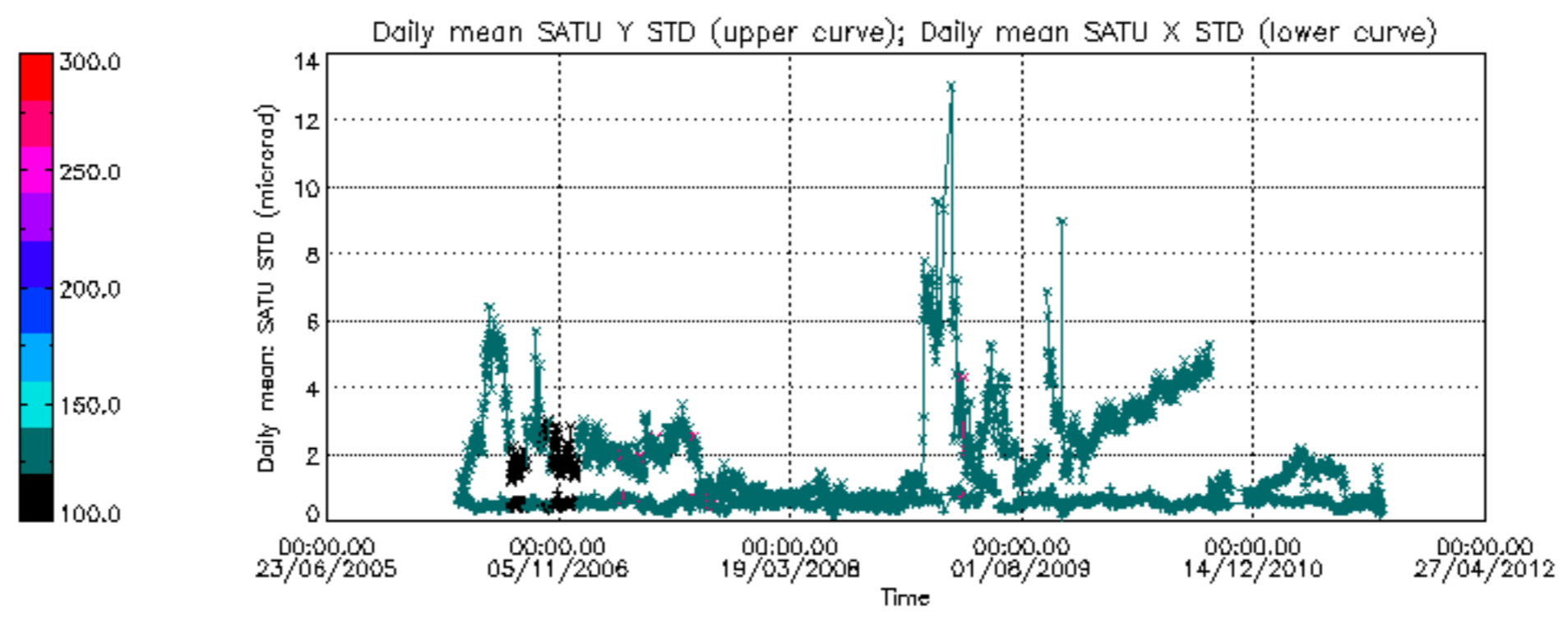


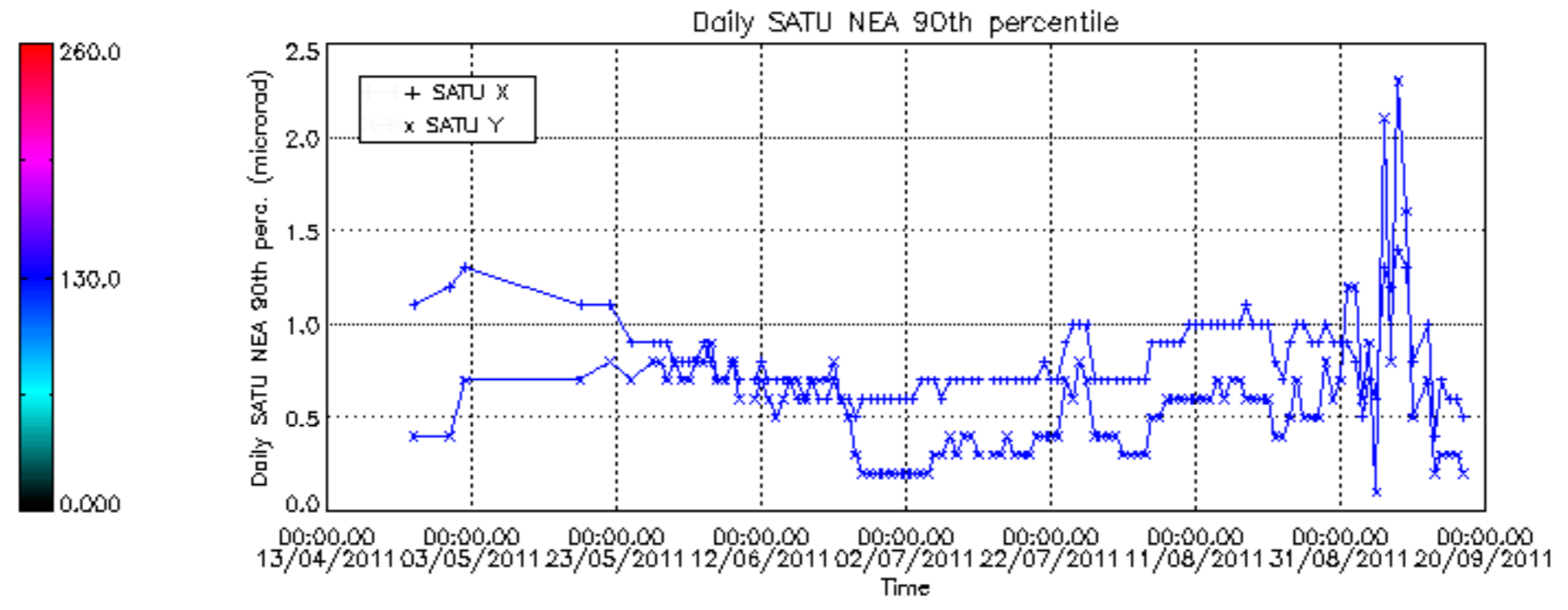
Tangent altitude at which the star is lost











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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

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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

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1; 966.1; 01-SEP-2011 15:08:38; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49709

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

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1; 1883.5; 01-SEP-2011 17:04:09; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49710
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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1; 998.3; 01-SEP-2011 18:29:38; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 62;49711
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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1; -645.9; 02-SEP-2011 04:03:37; Dark ; 52.0; 1; 9Alp CMA ; -1.44; 11000;occ; 104; 0;49716
2; 970.5; 02-SEP-2011 04:30:34; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;49717
3; 1327.9; 02-SEP-2011 04:36:31; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;49717
4; 1883.2; 02-SEP-2011 04:45:46; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;49717
5; 2061.9; 02-SEP-2011 04:48:45; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;49717
6; 2472.7; 02-SEP-2011 04:55:36; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;49717

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2; 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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3; -644.7; 02-SEP-2011 07:24:07; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;49718
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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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3; 972.8; 02-SEP-2011 11:11:32; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 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
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3; -560.7; 02-SEP-2011 15:46:40; Dark ; 52.0; 47; 2Bet CMA ; 1.98; 28000;occ; 104; 0;49723
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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
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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
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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
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3; 1330.9; 03-SEP-2011 00:39:22; Dark ; 25.0; 18; 24Alp PsA ; 1.17; 9700;occ; 50; 0;49729
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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; 1883.5; 03-SEP-2011 20:51:22; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49741
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3; 984.2; 03-SEP-2011 22:16:37; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49742
4; 1334.4; 03-SEP-2011 22:22:27; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;49742
5; 1883.4; 03-SEP-2011 22:31:36; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49742
6; 3091.7; 03-SEP-2011 22:51:44; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49742
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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
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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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3; 3094.1; 03-SEP-2011 16:10:51; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49738
4; 5383.0; 03-SEP-2011 16:48:59; Dark ; 52.0; 1; 9Alp CMA ; -1.44; 11000;occ; 104; 0;49738
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3; 5383.7; 03-SEP-2011 18:29:14; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;49739
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3; 1883.4; 03-SEP-2011 19:11:08; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49740
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9; 5546.1; 04-SEP-2011 02:53:06; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;49744
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3; -86.1; 09-SEP-2011 23:19:01; Dark ; 51.5; 108; Alp Col ; 2.65; 15200;occ; 103; 0;49828
4; 1027.5; 09-SEP-2011 23:37:35; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49829
5; 2181.6; 09-SEP-2011 23:56:49; Bright; 41.0; 90; 54Alp Peg ; 2.49; 11000;occ; 82; 0;49829
6; 3044.4; 10-SEP-2011 00:11:11; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49829
7; 3159.1; 10-SEP-2011 00:13:06; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;49829
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2; 1023.4; 09-SEP-2011 08:35:25; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;49820
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2; 2437.0; 09-SEP-2011 08:58:58; Bright; 39.5; 164; 44Eta Peg ; 2.95; 5400;occ; 79; 0;49820
3; 3049.0; 09-SEP-2011 09:09:10; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49820
4; 3164.7; 09-SEP-2011 09:11:06; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;49820
5; 4448.4; 09-SEP-2011 09:32:30; Bright; 59.0; 24; 66Alp Gem ; 1.58; 10200;occ; 118; 0;49820
6; 5446.7; 09-SEP-2011 09:49:08; Dark ; 61.0; 1; 9Alp CMA ; -1.44; 11000;occ; 122; 0;49820
7; 5595.0; 09-SEP-2011 09:51:36; Dark ; 45.0; 23; 21Eps CMA ; 1.50; 26000;occ; 90; 0;49820
8; 5723.0; 09-SEP-2011 09:53:44; Dark ; 46.0; 177; 1Zet CMA ; 3.02; 26000;occ; 92; 0;49820
9; 5814.3; 09-SEP-2011 09:55:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49820
10; 5919.1; 09-SEP-2011 09:57:01; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;49820
11; 6605.8; 09-SEP-2011 10:08:27; Dark ; 40.5; 143; Alp Hyi ; 2.86; 7200;occ; 81; 0;49821
12; 6688.5; 09-SEP-2011 10:09:50; Dark ; 46.0; 9; Alp Eri ; 0.45; 24000;occ; 92; 0;49821
13; 7037.7; 09-SEP-2011 10:15:39; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49821
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2; 2436.7; 09-SEP-2011 10:39:12; Bright; 38.0; 164; 44Eta Peg ; 2.95; 5400;occ; 76; 0;49821
3; 3048.5; 09-SEP-2011 10:49:24; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49821
4; 4448.3; 09-SEP-2011 11:12:44; Bright; 40.0; 24; 66Alp Gem ; 1.58; 10200;occ; 80; 0;49821
5; 5447.5; 09-SEP-2011 11:29:23; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;49821
6; 5595.7; 09-SEP-2011 11:31:51; Dark ; 43.0; 23; 21Eps CMA ; 1.50; 26000;occ; 86; 0;49821
7; 5723.9; 09-SEP-2011 11:33:59; Dark ; 45.5; 177; 1Zet CMA ; 3.02; 26000;occ; 91; 0;49821
8; 5815.1; 09-SEP-2011 11:35:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49821

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4; 2435.3; 09-SEP-2011 19:00:21; Bright; 40.0; 164; 44Eta Peg ; 2.95; 5400;occ; 80; 0;49826
5; 3045.9; 09-SEP-2011 19:10:31; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;49826
6; 3161.1; 09-SEP-2011 19:12:26; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;49826
7; 4449.0; 09-SEP-2011 19:33:54; Bright; 43.5; 24; 66Alp Gem ; 1.58; 10200;occ; 87; 0;49826
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9; 4942.9; 09-SEP-2011 19:42:08; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;49826
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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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3; 1027.9; 10-SEP-2011 01:17:49; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49830
4; 2181.2; 10-SEP-2011 01:37:02; Bright; 42.0; 90; 54Alp Peg ; 2.49; 11000;occ; 84; 0;49830
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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3; 3024.1; 12-SEP-2011 20:40:24; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;49870
4; 3134.6; 12-SEP-2011 20:42:15; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49870
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3; -382.1; 12-SEP-2011 21:23:52; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;49870
4; -242.7; 12-SEP-2011 21:26:11; Dark ; 46.0; 177; 1Zet CMA ; 3.02; 26000;occ; 92; 0;49870
5; -156.8; 12-SEP-2011 21:27:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49870
6; 700.7; 12-SEP-2011 21:41:55; Dark ; 52.0; 9; Alp Eri ; 0.45; 24000;occ; 104; 0;49871
7; 1046.0; 12-SEP-2011 21:47:40; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49871
8; 2171.5; 12-SEP-2011 22:06:26; Bright; 41.0; 90; 54Alp Peg ; 2.49; 11000;occ; 82; 0;49871
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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12; 4454.7; 12-SEP-2011 22:44:29; Bright; 61.0; 24; 66Alp Gem ; 1.58; 10200;occ; 122; 0;49871
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3; -241.7; 12-SEP-2011 23:06:26; Dark ; 47.5; 177; 1Zet CMA ; 3.02; 26000;occ; 95; 0;49871
4; -155.9; 12-SEP-2011 23:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49871
5; 1046.4; 12-SEP-2011 23:27:54; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49872
6; 2171.4; 12-SEP-2011 23:46:39; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49872
7; 2405.1; 12-SEP-2011 23:50:33; Bright; 42.5; 93; 53Bet Peg ; 2.52; 3100;occ; 85; 0;49872
8; 3023.1; 13-SEP-2011 00:00:51; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;49872
9; 3133.4; 13-SEP-2011 00:02:41; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;49872
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3; 2397.8; 14-SEP-2011 20:56:43; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49899
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5; 3118.1; 14-SEP-2011 21:08:43; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49899
6; 4458.6; 14-SEP-2011 21:31:04; Bright; 56.5; 24; 66Alp Gem ; 1.58; 10200;occ; 113; 0;49899
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3; 3014.2; 14-SEP-2011 09:25:21; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49892
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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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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
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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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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
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2; 2166.8; 14-SEP-2011 19:12:38; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49898
3; 2398.1; 14-SEP-2011 19:16:29; Bright; 42.0; 93; 53Bet Peg ; 2.52; 3100;occ; 84; 0;49898
4; 3011.5; 14-SEP-2011 19:26:43; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49898
5; 3118.7; 14-SEP-2011 19:28:30; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49898
6; 4458.4; 14-SEP-2011 19:50:49; Bright; 43.5; 24; 66Alp Gem ; 1.58; 10200;occ; 87; 0;49898
7; 4977.2; 14-SEP-2011 19:59:28; Dark ; 53.5; 8; 10Alp CMI ; 0.40; 6500;occ; 107; 0;49898
8; 5520.7; 14-SEP-2011 20:08:32; Dark ; 64.0; 1; 9Alp CMA ; -1.44; 11000;occ; 128; 0;49898

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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
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21; 8532.9; 15-SEP-2011 03:39:40; Bright; 26.0; 58; 21Alp And ; 2.07; 11000;occ; 52; 0;49903
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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
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9; 2165.6; 15-SEP-2011 05:14:00; Bright; 40.5; 90; 54Alp Peg ; 2.49; 11000;occ; 81; 0;49904
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6; 718.2; 15-SEP-2011 06:30:07; Dark ; 52.0; 9; Alp Eri ; 0.45; 24000;occ; 104; 0;49905
7; 1060.3; 15-SEP-2011 06:35:49; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49905
8; 1516.3; 15-SEP-2011 06:43:25; Dark ; 31.0; 52; 16Bet Cet ; 2.04; 4500;occ; 62; 0;49905
9; 2165.3; 15-SEP-2011 06:54:14; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49905
10; 2396.5; 15-SEP-2011 06:58:05; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49905
11; 2517.6; 15-SEP-2011 07:00:06; Bright; 33.0; 58; 21Alp And ; 2.07; 11000;occ; 66; 0;49905
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4; 2394.4; 15-SEP-2011 20:19:55; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49913
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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
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9; 2511.0; 15-SEP-2011 23:42:19; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49915
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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
5; 3006.5; 15-SEP-2011 13:49:11; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49909
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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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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
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3; 2160.3; 17-SEP-2011 20:42:46; Bright; 39.5; 90; 54Alp Peg ; 2.49; 11000;occ; 79; 0;49942
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6; 2992.5; 17-SEP-2011 20:56:38; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49942
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5; 3099.1; 17-SEP-2011 07:36:33; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49934
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12; 7086.6; 17-SEP-2011 10:23:14; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;49936
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5; 2994.4; 17-SEP-2011 14:15:44; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49938
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4; 2385.6; 18-SEP-2011 20:09:47; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49956
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3; -74.7; 18-SEP-2011 22:49:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49957
4; 1080.8; 18-SEP-2011 23:08:30; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49958
5; 1524.1; 18-SEP-2011 23:15:53; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49958
6; 2158.3; 18-SEP-2011 23:26:27; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49958
7; 2385.2; 18-SEP-2011 23:30:14; Bright; 40.5; 93; 53Bet Peg ; 2.52; 3100;occ; 81; 0;49958
8; 2485.3; 18-SEP-2011 23:31:54; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49958
9; 2986.0; 18-SEP-2011 23:40:15; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49958
10; 3086.4; 18-SEP-2011 23:41:55; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;49958
11; 4466.0; 19-SEP-2011 00:04:55; Bright; 58.5; 24; 66Alp Gem ; 1.58; 10200;occ; 117; 0;49958
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3; -73.7; 19-SEP-2011 00:29:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49958
4; 1081.2; 19-SEP-2011 00:48:44; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49959
5; 1524.3; 19-SEP-2011 00:56:07; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;49959
6; 2158.1; 19-SEP-2011 01:06:41; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49959
7; 2385.0; 19-SEP-2011 01:10:28; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49959
8; 2484.8; 19-SEP-2011 01:12:08; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;49959
9; 2985.8; 19-SEP-2011 01:20:29; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49959
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11; 4466.3; 19-SEP-2011 01:45:09; Bright; 49.0; 24; 66Alp Gem ; 1.58; 10200;occ; 98; 0;49959
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3; -72.7; 19-SEP-2011 02:09:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49959
4; 1081.6; 19-SEP-2011 02:28:58; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;49960
5; 1524.4; 19-SEP-2011 02:36:21; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;49960
6; 2158.2; 19-SEP-2011 02:46:55; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49960
7; 2384.9; 19-SEP-2011 02:50:42; Bright; 56.0; 93; 53Bet Peg ; 2.52; 3100;occ; 112; 0;49960
8; 2484.4; 19-SEP-2011 02:52:21; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49960
9; 2985.4; 19-SEP-2011 03:00:42; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49960

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4; -422.7; 19-SEP-2011 03:44:08; Dark ; 70.0; 1; 9Alp CMA ; -1.44; 11000;occ; 140; 0;49960
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7; 1524.7; 19-SEP-2011 04:16:35; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;49961
8; 2158.2; 19-SEP-2011 04:27:09; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49961
9; 2384.9; 19-SEP-2011 04:30:56; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;49961
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5; -70.7; 19-SEP-2011 05:30:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49961
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6; 1082.8; 19-SEP-2011 07:29:41; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49963
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5; 3083.5; 19-SEP-2011 09:43:16; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49964
6; 4467.0; 19-SEP-2011 10:06:20; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;49964
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8; 5596.3; 19-SEP-2011 10:25:09; Dark ; 67.0; 1; 9Alp CMA ; -1.44; 11000;occ; 134; 0;49964
9; 5713.0; 19-SEP-2011 10:27:06; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;49964
10; 5946.3; 19-SEP-2011 10:30:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49964
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12; 7539.3; 19-SEP-2011 10:57:32; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;49965
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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
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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
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9; 5601.3; 19-SEP-2011 17:06:10; Dark ; 55.0; 1; 9Alp CMA ; -1.44; 11000;occ; 110; 0;49968
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7; 2980.8; 19-SEP-2011 23:03:25; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49972
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10; 2475.9; 20-SEP-2011 05:35:56; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49976
11; 2979.4; 20-SEP-2011 05:44:19; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49976
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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
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4; 110.8; 20-SEP-2011 23:19:04; Dark ; 54.0; 108; Alp Col ; 2.65; 15200;occ; 108; 0;49987
5; 1091.3; 20-SEP-2011 23:35:25; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49987
6; 1528.5; 20-SEP-2011 23:42:42; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;49987
7; 2380.7; 20-SEP-2011 23:56:54; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49987

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9; 2975.1; 21-SEP-2011 00:06:49; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49987
10; 3071.9; 21-SEP-2011 00:08:26; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;49987
11; 4469.9; 21-SEP-2011 00:31:44; Bright; 47.0; 24; 66Alp Gem ; 1.58; 10200;occ; 94; 0;49987
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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
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4; 2977.0; 20-SEP-2011 15:45:41; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49982
5; 3074.4; 20-SEP-2011 15:47:18; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;49982
6; 4469.5; 20-SEP-2011 16:10:33; Bright; 68.0; 24; 66Alp Gem ; 1.58; 10200;occ; 136; 0;49982
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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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4; 2976.6; 20-SEP-2011 17:25:54; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49983
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3; 112.3; 21-SEP-2011 00:59:20; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;49988
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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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6; 2970.4; 21-SEP-2011 21:49:46; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;50000
7; 3065.4; 21-SEP-2011 21:51:21; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50000
8; 4471.6; 21-SEP-2011 22:14:47; Bright; 48.5; 24; 66Alp Gem ; 1.58; 10200;occ; 97; 0;50000
9; 5038.8; 21-SEP-2011 22:24:14; Dark ; 60.5; 8; 10Alp CMI ; 0.40; 6500;occ; 121; 0;50000
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2; 1096.4; 22-SEP-2011 00:38:59; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;50002
3; 1530.6; 22-SEP-2011 00:46:14; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;50002
4; 2154.8; 22-SEP-2011 00:56:38; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;50002
5; 2378.7; 22-SEP-2011 01:00:22; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;50002
6; 2462.9; 22-SEP-2011 01:01:46; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;50002
7; 2969.7; 22-SEP-2011 01:10:13; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50002
8; 3064.5; 22-SEP-2011 01:11:47; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50002
9; 4471.9; 22-SEP-2011 01:35:15; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;50002
10; 5040.2; 22-SEP-2011 01:44:43; Dark ; 65.5; 8; 10Alp CMI ; 0.40; 6500;occ; 131; 0;50002
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2; -222.5; 22-SEP-2011 01:57:14; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;50002
3; 1.5; 22-SEP-2011 02:00:58; Dark ; 49.0; 161; Tau Pup ; 2.93; 4500;occ; 98; 0;50002
4; 132.9; 22-SEP-2011 02:03:10; Dark ; 43.0; 108; Alp Col ; 2.65; 15200;occ; 86; 0;50003
5; 1096.8; 22-SEP-2011 02:19:14; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;50003
6; 1530.8; 22-SEP-2011 02:26:28; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;50003
7; 2378.6; 22-SEP-2011 02:40:35; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;50003
8; 2462.5; 22-SEP-2011 02:41:59; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;50003
9; 2969.4; 22-SEP-2011 02:50:26; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;50003
10; 3063.9; 22-SEP-2011 02:52:01; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50003
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2; -973.1; 22-SEP-2011 03:24:58; Dark ; 70.5; 8; 10Alp CMI ; 0.40; 6500;occ; 141; 0;50003
3; -331.9; 22-SEP-2011 03:35:39; Dark ; 55.5; 37; 25Del CMA ; 1.83; 5900;occ; 111; 0;50003
4; -221.6; 22-SEP-2011 03:37:29; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;50003
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2; 2456.8; 23-SEP-2011 00:24:55; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;50016
3; 3057.7; 23-SEP-2011 00:34:56; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;50016
4; 4473.8; 23-SEP-2011 00:58:32; Bright; 50.0; 24; 66Alp Gem ; 1.58; 10200;occ; 100; 0;50016
5; 5050.3; 23-SEP-2011 01:08:09; Dark ; 65.5; 8; 10Alp CMI ; 0.40; 6500;occ; 131; 0;50016
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1; 911.7; 26-SEP-2011 19:51:58; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 80;50071
2; 3033.2; 26-SEP-2011 20:27:20; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;50071
3; 4565.0; 26-SEP-2011 20:52:52; Bright; 26.5; 17; 78Bet Gem ; 1.16; 4500;occ; 53; 0;50071
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2;-1450.0; 26-SEP-2011 12:31:41; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;50066
3; -491.6; 26-SEP-2011 12:47:39; Dark ; 49.0; 132; 15Rho Pup ; 2.80; 6900;occ; 98; 0;50066
4; -287.6; 26-SEP-2011 12:51:03; Dark ; 50.0; 88; 31Eta CMA ; 2.45; 20000;occ; 100; 0;50066
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2; 3035.1; 26-SEP-2011 13:46:26; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50067
3; 4564.2; 26-SEP-2011 14:11:55; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;50067
4; 5727.2; 26-SEP-2011 14:31:18; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50067
5; 5821.1; 26-SEP-2011 14:32:52; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;50067
6; 6883.3; 26-SEP-2011 14:50:34; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50068
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2; 3034.7; 26-SEP-2011 15:26:39; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;50068
3; 4564.4; 26-SEP-2011 15:52:09; Bright; 35.0; 17; 78Bet Gem ; 1.16; 4500;occ; 70; 0;50068
4; 5728.3; 26-SEP-2011 16:11:33; Dark ; 49.5; 88; 31Eta CMA ; 2.45; 20000;occ; 99; 0;50068
5; 5822.4; 26-SEP-2011 16:13:07; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;50068
6; 6884.2; 26-SEP-2011 16:30:49; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;50069
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2; 3034.1; 26-SEP-2011 17:06:53; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50069
3; 4564.8; 26-SEP-2011 17:32:23; Bright; 35.0; 17; 78Bet Gem ; 1.16; 4500;occ; 70; 0;50069
4; 5729.2; 26-SEP-2011 17:51:48; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50069
5; 5823.5; 26-SEP-2011 17:53:22; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;50069
6; 6885.0; 26-SEP-2011 18:11:04; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50070
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2;-1449.2; 26-SEP-2011 19:12:37; Bright; 27.0; 17; 78Bet Gem ; 1.16; 4500;occ; 54; 0;50070
3; -283.9; 26-SEP-2011 19:32:03; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50070
4; -189.4; 26-SEP-2011 19:33:37; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50070
5; 871.7; 26-SEP-2011 19:51:18; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50071
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2; 2944.7; 27-SEP-2011 11:27:57; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50080
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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2; 2944.4; 27-SEP-2011 13:08:11; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;50081
3; 3029.2; 27-SEP-2011 13:09:35; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50081
4; 5533.4; 27-SEP-2011 13:51:20; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;50081
5; 5740.9; 27-SEP-2011 13:54:47; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50081
6; 5837.4; 27-SEP-2011 13:56:24; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;50081
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2; 2944.3; 27-SEP-2011 14:48:24; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;50082
3; 3028.8; 27-SEP-2011 14:49:49; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50082
4; 5534.2; 27-SEP-2011 15:31:34; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;50082

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 3; 5743.0; 27-SEP-2011 17:15:17; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50083
 4; 5839.9; 27-SEP-2011 17:16:54; Dark ; 65.5; 23; 21Eps CMA ; 1.50; 26000;occ; 131; 0;50083
 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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 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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 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; -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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 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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 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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 3; -162.1; 28-SEP-2011 09:59:26; Dark ; 61.0; 23; 21Eps CMA ; 1.50; 26000;occ; 122; 0;50093
 4; 889.5; 28-SEP-2011 10:16:57; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50094
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 1; 2940.9; 28-SEP-2011 10:51:09; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50094
 2; 3023.7; 28-SEP-2011 10:52:31; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50094
 3; 5754.0; 28-SEP-2011 11:38:02; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50094
 4; 5853.1; 28-SEP-2011 11:39:41; Dark ; 57.0; 23; 21Eps CMA ; 1.50; 26000;occ; 114; 0;50094
 5; 6904.2; 28-SEP-2011 11:57:12; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50095
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 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
 4; 891.1; 28-SEP-2011 13:37:27; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50096
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 2; -257.9; 28-SEP-2011 14:58:32; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;50096
 3; -158.6; 28-SEP-2011 15:00:11; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50096
 4; 891.7; 28-SEP-2011 15:17:41; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;50097
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 1; 1544.0; 28-SEP-2011 15:28:34; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;50097
 2; 2176.3; 28-SEP-2011 15:39:06; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;50097
 3; 2426.2; 28-SEP-2011 15:43:16; Bright; 41.5; 58; 21Alp And ; 2.07; 11000;occ; 83; 0;50097


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