

GOMOS Daily Report 23-SEP-2010

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	30SEP2010 04:53:02
Data source version	GOMOS/5.01
Start time of products	23SEP2010 00:10:00
Stop time of products	23SEP2010 23:51:16
Store outputs in DB	Yes
Nb of level 1b prods	82
Nb of prods with errors	0

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

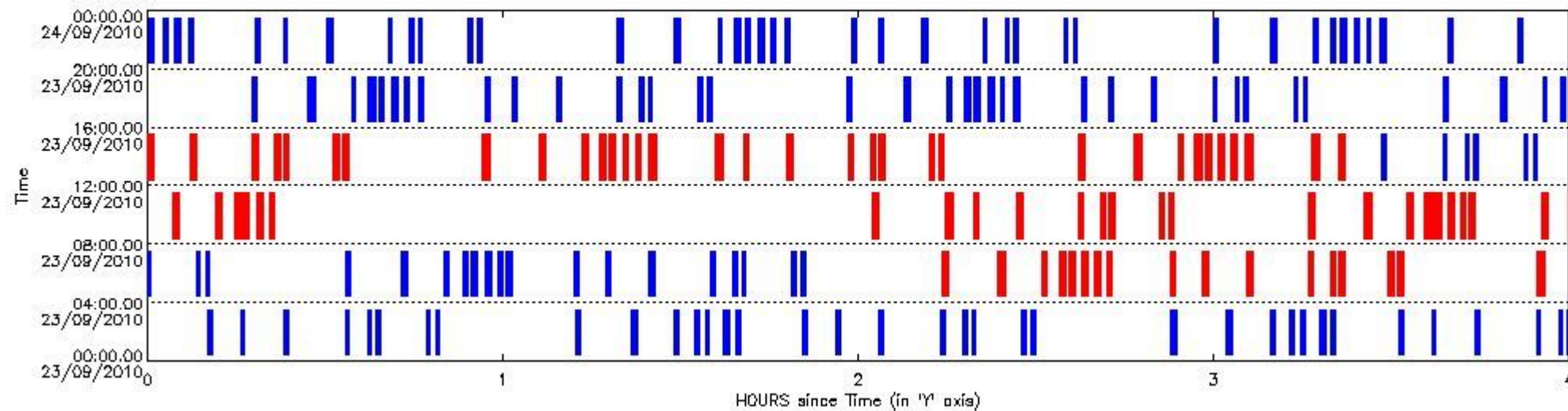
2.1 Level 0 products arrived in PCF (see template [here](#))

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
23-SEP-2010 06:14:04	66AlpGem	24	44777
23-SEP-2010 06:23:33	10AlpCMi	8	44777
23-SEP-2010 06:30:52	15RhoPup	132	44777
23-SEP-2010 06:34:02	31EtaCMa	88	44777
23-SEP-2010 06:35:25	21EpsCMa	23	44777
23-SEP-2010 06:37:43	DSA1055	0	44777
23-SEP-2010 06:39:50	TauPup	161	44778
23-SEP-2010 06:42:03	AlpCol	108	44778
23-SEP-2010 06:52:36	AlpEri	9	44778
23-SEP-2010 06:58:10	AlpPhe	84	44778
23-SEP-2010 07:05:26	16BetCet	52	44778
23-SEP-2010 07:15:52	54AlpPeg	90	44778
23-SEP-2010 07:19:37	53BetPeg	93	44778
23-SEP-2010 07:21:02	21AlpAnd	58	44778
23-SEP-2010 07:29:30	11BetCas	74	44778

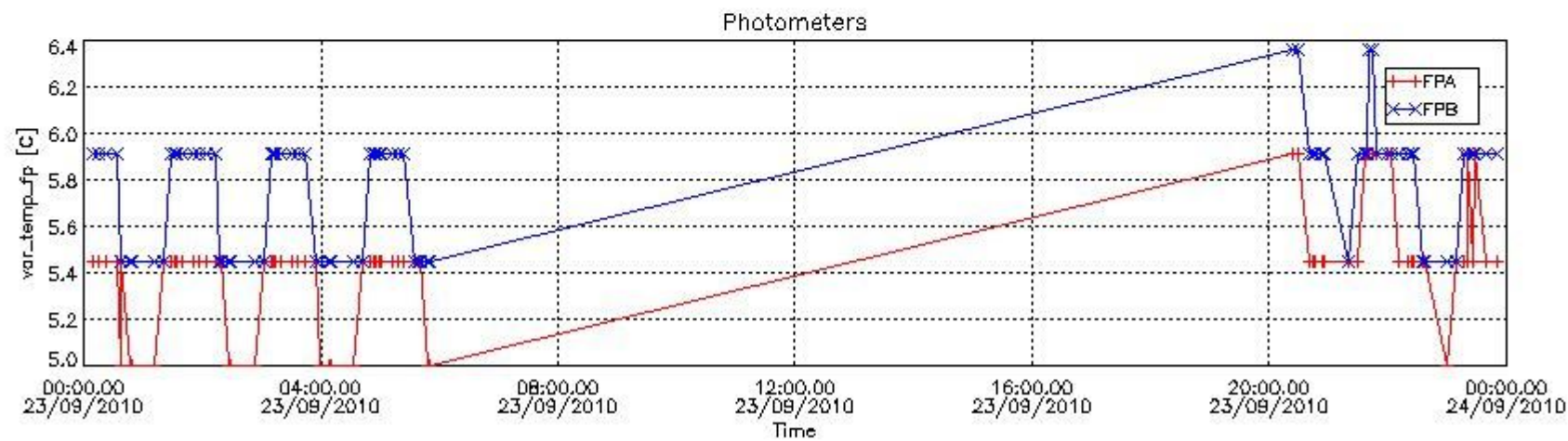
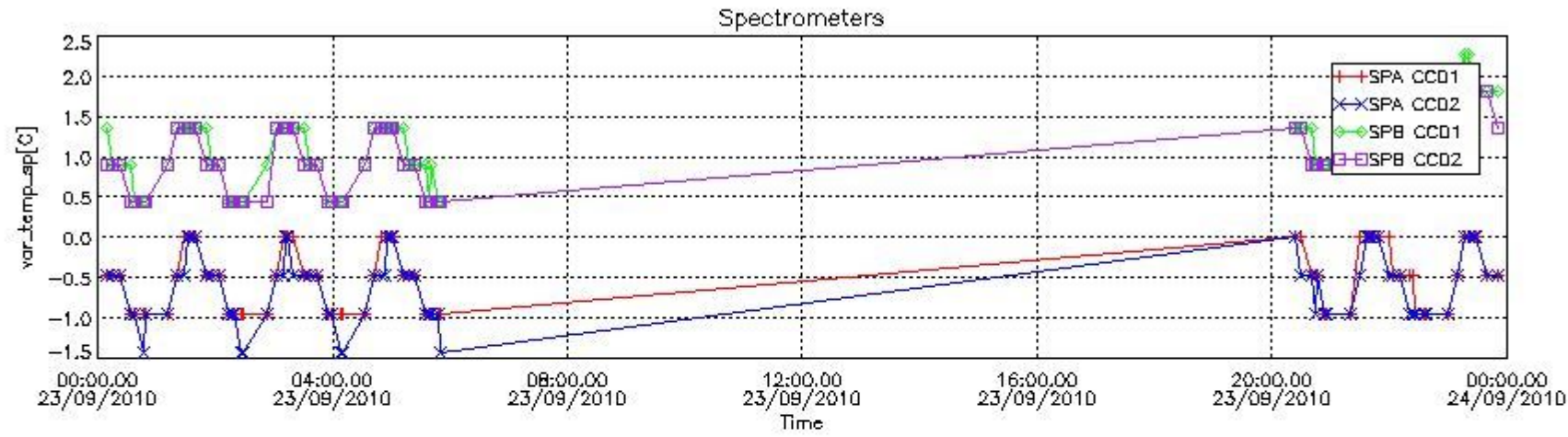
23-SEP-2010 07:31:06	27GamCas	76	44778
23-SEP-2010 07:54:40	66AlpGem	24	44778
23-SEP-2010 08:04:10	10AlpCMi	8	44778
23-SEP-2010 08:11:29	15RhoPup	132	44778
23-SEP-2010 08:14:39	31EtaCMa	88	44778
23-SEP-2010 08:16:02	21EpsCMa	23	44778
23-SEP-2010 08:18:20	DSA1055	0	44778
23-SEP-2010 08:20:27	TauPup	161	44779
23-SEP-2010 10:02:26	AlpCar	2	44780
23-SEP-2010 10:14:41	The1Eri	157	44780
23-SEP-2010 10:19:22	AlpPhe	84	44780
23-SEP-2010 10:26:38	16BetCet	52	44780
23-SEP-2010 10:37:04	54AlpPeg	90	44780
23-SEP-2010 10:40:48	53BetPeg	93	44780
23-SEP-2010 10:42:13	21AlpAnd	58	44780
23-SEP-2010 10:50:41	11BetCas	74	44780
23-SEP-2010 10:52:17	27GamCas	76	44780
23-SEP-2010 11:15:52	66AlpGem	24	44780
23-SEP-2010 11:25:23	10AlpCMi	8	44780
23-SEP-2010 11:32:42	15RhoPup	132	44780
23-SEP-2010 11:35:33	9AlpCMa	1	44780
23-SEP-2010 11:37:16	21EpsCMa	23	44780
23-SEP-2010 11:39:33	DSA1055	0	44780
23-SEP-2010 11:41:40	TauPup	161	44781
23-SEP-2010 11:43:02	AlpCar	2	44781
23-SEP-2010 11:55:18	The1Eri	157	44781
23-SEP-2010 11:59:59	AlpPhe	84	44781
23-SEP-2010 12:07:14	16BetCet	52	44781
23-SEP-2010 12:17:40	54AlpPeg	90	44781
23-SEP-2010 12:21:24	53BetPeg	93	44781
23-SEP-2010 12:22:48	21AlpAnd	58	44781
23-SEP-2010 12:31:17	11BetCas	74	44781
23-SEP-2010 12:32:52	27GamCas	76	44781
23-SEP-2010 12:56:28	66AlpGem	24	44781
23-SEP-2010 13:06:00	10AlpCMi	8	44781
23-SEP-2010 13:13:19	15RhoPup	132	44781
23-SEP-2010 13:16:10	9AlpCMa	1	44781
23-SEP-2010 13:17:52	21EpsCMa	23	44781
23-SEP-2010 13:20:09	DSA1055	0	44781
23-SEP-2010 13:22:16	TauPup	161	44782
23-SEP-2010 13:24:32	AlpCol	108	44782
23-SEP-2010 13:35:55	The1Eri	157	44782
23-SEP-2010 13:40:35	AlpPhe	84	44782
23-SEP-2010 13:47:50	16BetCet	52	44782
23-SEP-2010 13:58:15	54AlpPeg	90	44782
23-SEP-2010 14:02:00	53BetPeg	93	44782
23-SEP-2010 14:03:24	21AlpAnd	58	44782
23-SEP-2010 14:11:53	11BetCas	74	44782
23-SEP-2010 14:13:28	27GamCas	76	44782
23-SEP-2010 14:37:04	66AlpGem	24	44782
23-SEP-2010 14:46:37	10AlpCMi	8	44782
23-SEP-2010 14:53:55	15RhoPup	132	44782
23-SEP-2010 14:56:48	9AlpCMa	1	44782
23-SEP-2010 14:58:29	21EpsCMa	23	44782
23-SEP-2010 15:00:46	DSA1055	0	44782
23-SEP-2010 15:02:53	TauPup	161	44783
23-SEP-2010 15:05:10	AlpCol	108	44783
23-SEP-2010 15:16:31	The1Eri	157	44783
23-SEP-2010 15:21:11	AlpPhe	84	44783

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_1PNPDE20100923_001000_000000462093_00131_44774_5675.N1	23-SEP-2010 00:10:00	Dark	46.000	9	Alp Eri	0.45300	24000.	92	44774	No
2	GOM_TRA_1PNPDE20100923_001535_000000422093_00131_44774_5676.N1	23-SEP-2010 00:15:35	Straylight	42.000	84	Alp Phe	2.3970	4500.0	84	44774	No
3	GOM_TRA_1PNPDE20100923_002251_000000552093_00131_44774_5677.N1	23-SEP-2010 00:22:51	Twi_and_stray	55.000	52	16Bet Cet	2.0370	4500.0	110	44774	No
4	GOM_TRA_1PNPDE20100923_003318_000000382093_00131_44774_5678.N1	23-SEP-2010 00:33:18	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44774	No
5	GOM_TRA_1PNPDE20100923_003704_000000382093_00131_44774_5679.N1	23-SEP-2010 00:37:04	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	44774	No
6	GOM_TRA_1PNPDE20100923_003830_000000452093_00131_44774_5680.N1	23-SEP-2010 00:38:30	Bright	45.000	58	21Alp And	2.0730	11000.	90	44774	No
7	GOM_TRA_1PNPDE20100923_004658_000000412093_00131_44774_5681.N1	23-SEP-2010 00:46:58	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	44774	No
8	GOM_TRA_1PNPDE20100923_004834_000000402093_00131_44774_5682.N1	23-SEP-2010 00:48:34	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	44774	No
9	GOM_TRA_1PNPDE20100923_011205_000000512093_00131_44774_5683.N1	23-SEP-2010 01:12:05	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	44774	No
10	GOM_TRA_1PNPDE20100923_012133_000000702093_00131_44774_5684.N1	23-SEP-2010 01:21:33	Dark	69.500	8	10Alp CMi	0.40000	6500.0	139	44774	No
11	GOM_TRA_1PNPDE20100923_012853_000000452093_00131_44774_5691.N1	23-SEP-2010 01:28:53	Dark	44.500	132	15Rho Pup	2.8030	6900.0	89	44774	No
12	GOM_TRA_1PNPDE20100923_013214_000000522093_00131_44774_5692.N1	23-SEP-2010 01:32:14	Dark	51.500	37	25Del CMa	1.8300	5900.0	103	44774	No
13	GOM_TRA_1PNPDE20100923_013406_000000452093_00131_44774_5693.N1	23-SEP-2010 01:34:06	Dark	44.500	117	Pi Pup	2.7060	3800.0	89	44774	No
14	GOM_TRA_1PNPDE20100923_013913_000000572093_00132_44775_5694.N1	23-SEP-2010 01:39:13	Dark	56.500	2	Alp Car	-0.73600	7000.0	113	44775	No
15	GOM_TRA_1PNPDE20100923_015037_000000442093_00132_44775_5695.N1	23-SEP-2010 01:50:37	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44775	No
16	GOM_TRA_1PNPDE20100923_015611_000000442093_00132_44775_5696.N1	23-SEP-2010 01:56:11	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	44775	No
17	GOM_TRA_1PNPDE20100923_020328_000000522093_00132_44775_5697.N1	23-SEP-2010 02:03:28	Twi_and_stray	51.500	52	16Bet Cet	2.0370	4500.0	103	44775	No
18	GOM_TRA_1PNPDE20100923_021354_000000382093_00132_44775_5698.N1	23-SEP-2010 02:13:54	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	44775	No
19	GOM_TRA_1PNPDE20100923_021739_000000402093_00132_44775_5699.N1	23-SEP-2010 02:17:39	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	44775	No
20	GOM_TRA_1PNPDE20100923_021906_000000442093_00132_44775_5700.N1	23-SEP-2010 02:19:06	Bright	43.500	58	21Alp And	2.0730	11000.	87	44775	No
21	GOM_TRA_1PNPDE20100923_022734_000000382093_00132_44775_5701.N1	23-SEP-2010 02:27:34	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	44775	No
22	GOM_TRA_1PNPDE20100923_022909_000000412093_00132_44775_5702.N1	23-SEP-2010 02:29:09	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	44775	No
23	GOM_TRA_1PNPDE20100923_025241_000000682093_00132_44775_5721.N1	23-SEP-2010 02:52:41	Bright	68.000	24	66Alp Gem	1.5800	10200.	136	44775	No
24	GOM_TRA_1PNPDE20100923_030210_000000602093_00132_44775_5722.N1	23-SEP-2010 03:02:10	Dark	60.000	8	10Alp CMi	0.40000	6500.0	120	44775	No
25	GOM_TRA_1PNPDE20100923_030929_000000452093_00132_44775_5723.N1	23-SEP-2010 03:09:29	Dark	44.500	132	15Rho Pup	2.8030	6900.0	89	44775	No
26	GOM_TRA_1PNPDE20100923_031251_000000492093_00132_44775_5724.N1	23-SEP-2010 03:12:51	Dark	49.000	37	25Del CMa	1.8300	5900.0	98	44775	No
27	GOM_TRA_1PNPDE20100923_031442_000000492093_00132_44775_5725.N1	23-SEP-2010 03:14:42	Dark	49.000	117	Pi Pup	2.7060	3800.0	98	44775	No
28	GOM_TRA_1PNPDE20100923_031949_000000482093_00133_44776_5726.N1	23-SEP-2010 03:19:49	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	44776	No
29	GOM_TRA_1PNPDE20100923_033113_000000452093_00133_44776_5727.N1	23-SEP-2010 03:31:13	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44776	No
30	GOM_TRA_1PNPDE20100923_033647_000000462093_00133_44776_5728.N1	23-SEP-2010 03:36:47	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44776	No
31	GOM_TRA_1PNPDE20100923_034404_000000542093_00133_44776_5729.N1	23-SEP-2010 03:44:04	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	44776	No
32	GOM_TRA_1PNPDE20100923_035430_000000382093_00133_44776_5730.N1	23-SEP-2010 03:54:30	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44776	No
33	GOM_TRA_1PNPDE20100923_035815_000000372093_00133_44776_5731.N1	23-SEP-2010 03:58:15	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	44776	No
34	GOM_TRA_1PNPDE20100923_035941_000000462093_00133_44776_5732.N1	23-SEP-2010 03:59:41	Bright	45.500	58	21Alp And	2.0730	11000.	91	44776	No
35	GOM_TRA_1PNPDE20100923_040809_000000402093_00133_44776_5733.N1	23-SEP-2010 04:08:09	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	44776	No
36	GOM_TRA_1PNPDE20100923_040945_000000422093_00133_44776_5734.N1	23-SEP-2010 04:09:45	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	44776	No
37	GOM_TRA_1PNPDE20100923_043318_000000482093_00133_44776_5749.N1	23-SEP-2010 04:33:18	Bright	48.000	24	66Alp Gem	1.5800	10200.	96	44776	No
38	GOM_TRA_1PNPDE20100923_044246_000000612093_00133_44776_5750.N1	23-SEP-2010 04:42:46	Dark	60.500	8	10Alp CMi	0.40000	6500.0	121	44776	No
39	GOM_TRA_1PNPDE20100923_045006_000000452093_00133_44776_5751.N1	23-SEP-2010 04:50:06	Dark	45.000	132	15Rho Pup	2.8030	6900.0	90	44776	No
40	GOM_TRA_1PNPDE20100923_045316_000000482093_00133_44776_5752.N1	23-SEP-2010 04:53:16	Dark	48.000	88	31Eta CMa	2.4480	20000.	96	44776	No
41	GOM_TRA_1PNPDE20100923_045438_000000532093_00133_44776_5753.N1	23-SEP-2010 04:54:38	Dark	53.000	23	21Eps CMa	1.5020	26000.	106	44776	No
42	GOM_TRA_1PNPDE20100923_045904_000000442093_00133_44776_5754.N1	23-SEP-2010 04:59:04	Dark	44.000	161	Tau Pup	2.9310	4500.0	88	44776	No
43	GOM_TRA_1PNPDE20100923_050026_000000582093_00134_44777_5755.N1	23-SEP-2010 05:00:26	Dark	57.500	2	Alp Car	-0.73600	7000.0	115	44777	No
44	GOM_TRA_1PNPDE20100923_051150_000000522093_00134_44777_5756.N1	23-SEP-2010 05:11:50	Dark	51.500	9	Alp Eri	0.45300	24000.	103	44777	No
45	GOM_TRA_1PNPDE20100923_051723_000000472093_00134_44777_5757.N1	23-SEP-2010 05:17:23	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	44777	No
46	GOM_TRA_1PNPDE20100923_052440_000000542093_00134_44777_5758.N1	23-SEP-2010 05:24:40	Twi_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	44777	No
47	GOM_TRA_1PNPDE20100923_053506_000000382093_00134_44777_5759.N1	23-SEP-2010 05:35:06	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	44777	No
48	GOM_TRA_1PNPDE20100923_053851_000000412093_00134_44777_5760.N1	23-SEP-2010 05:38:51	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	44777	No
49	GOM_TRA_1PNPDE20100923_054017_000000432093_00134_44777_5761.N1	23-SEP-2010 05:40:17	Bright	43.000	58	21Alp And	2.0730	11000.	86	44777	No
50	GOM_TRA_1PNPDE20100923_054845_000000412093_00134_44777_5762.N1	23-SEP-2010 05:48:45	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	44777	No
51	GOM_TRA_1PNPDE20100923_055020_000000422093_00134_44777_5763.N1	23-SEP-2010 05:50:20	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	44777	No
52	GOM_TRA_1PNPDE20100923_202250_000000442093_00143_44786_5840.N1	23-SEP-2010 20:22:50	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	44786	No
53	GOM_TRA_1PNPDE20100923_203004_000000622093_00143_44786_5841.N1	23-SEP-2010 20:30:04	Twi_and_stray	62.000	52	16Bet Cet	2.0370	4500.0	124	44786	No
54	GOM_TRA_1PNPDE20100923_204029_000000382093_00143_44786_5842.N1	23-SEP-2010 20:40:29	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44786	No

55	GOM_TRA_1PNPDE20100923_204413_000000412093_00143_44786_5843.N1	23-SEP-2010 20:44:13	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	44786	No
56	GOM_TRA_1PNPDE20100923_204536_000000452093_00143_44786_5844.N1	23-SEP-2010 20:45:36	Bright	45.000	58	21Alp And	2.0730	11000.	90	44786	No
57	GOM_TRA_1PNPDE20100923_205405_000000402093_00143_44786_5845.N1	23-SEP-2010 20:54:05	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	44786	No
58	GOM_TRA_1PNPDE20100923_205539_000000442093_00143_44786_5846.N1	23-SEP-2010 20:55:39	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	44786	No
59	GOM_TRA_1PNPDE20100923_211918_000000502093_00143_44786_5847.N1	23-SEP-2010 21:19:18	Bright	50.000	24	66Alp Gem	1.5800	10200.	100	44786	No
60	GOM_TRA_1PNPDE20100923_212853_000000692093_00143_44786_5848.N1	23-SEP-2010 21:28:53	Dark	68.500	8	10Alp CMi	0.40000	6500.0	137	44786	No
61	GOM_TRA_1PNPDE20100923_213612_000000442093_00143_44786_5863.N1	23-SEP-2010 21:36:12	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	44786	No
62	GOM_TRA_1PNPDE20100923_213907_000000552093_00143_44786_5864.N1	23-SEP-2010 21:39:07	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	44786	No
63	GOM_TRA_1PNPDE20100923_214048_000000602093_00143_44786_5865.N1	23-SEP-2010 21:40:48	Dark	59.500	23	21Eps CMa	1.5020	26000.	119	44786	No
64	GOM_TRA_1PNPDE20100923_214509_000000422093_00144_44787_5866.N1	23-SEP-2010 21:45:09	Dark	41.500	161	Tau Pup	2.9310	4500.0	83	44787	No
65	GOM_TRA_1PNPDE20100923_214729_000000562093_00144_44787_5867.N1	23-SEP-2010 21:47:29	Dark	56.000	108	Alp Col	2.6520	15200.	112	44787	No
66	GOM_TRA_1PNPDE20100923_215849_000000522093_00144_44787_5868.N1	23-SEP-2010 21:58:49	Straylight	51.500	157	The1Eri	2.9060	9300.0	103	44787	No
67	GOM_TRA_1PNPDE20100923_220326_000000462093_00144_44787_5869.N1	23-SEP-2010 22:03:26	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44787	No
68	GOM_TRA_1PNPDE20100923_221040_000000552093_00144_44787_5870.N1	23-SEP-2010 22:10:40	Twilight_and_stray	55.000	52	16Bet Cet	2.0370	4500.0	110	44787	No
69	GOM_TRA_1PNPDE20100923_222105_000000392093_00144_44787_5871.N1	23-SEP-2010 22:21:05	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44787	No
70	GOM_TRA_1PNPDE20100923_222449_000000392093_00144_44787_5872.N1	23-SEP-2010 22:24:49	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	44787	No
71	GOM_TRA_1PNPDE20100923_222611_000000452093_00144_44787_5873.N1	23-SEP-2010 22:26:11	Bright	44.500	58	21Alp And	2.0730	11000.	89	44787	No
72	GOM_TRA_1PNPDE20100923_223440_000000422093_00144_44787_5874.N1	23-SEP-2010 22:34:40	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44787	No
73	GOM_TRA_1PNPDE20100923_223615_000000422093_00144_44787_5875.N1	23-SEP-2010 22:36:15	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44787	No
74	GOM_TRA_1PNPDE20100923_225954_000000522093_00144_44787_5876.N1	23-SEP-2010 22:59:54	Bright	51.500	24	66Alp Gem	1.5800	10200.	103	44787	No
75	GOM_TRA_1PNPDE20100923_230929_000000632093_00144_44787_5877.N1	23-SEP-2010 23:09:29	Dark	62.500	8	10Alp CMi	0.40000	6500.0	125	44787	No
76	GOM_TRA_1PNPDE20100923_231648_000000442093_00144_44787_6061.N1	23-SEP-2010 23:16:48	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	44787	No
77	GOM_TRA_1PNPDE20100923_231944_000000552093_00144_44787_6062.N1	23-SEP-2010 23:19:44	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	44787	No
78	GOM_TRA_1PNPDE20100923_232124_000000542093_00144_44787_6063.N1	23-SEP-2010 23:21:24	Dark	54.000	23	21Eps CMa	1.5020	26000.	108	44787	No
79	GOM_TRA_1PNPDE20100923_232546_000000412093_00145_44788_6064.N1	23-SEP-2010 23:25:46	Dark	40.500	161	Tau Pup	2.9310	4500.0	81	44788	No
80	GOM_TRA_1PNPDE20100923_232806_000000552093_00145_44788_6065.N1	23-SEP-2010 23:28:06	Dark	55.000	108	Alp Col	2.6520	15200.	110	44788	No
81	GOM_TRA_1PNPDE20100923_233925_000000522093_00145_44788_6066.N1	23-SEP-2010 23:39:25	Straylight	52.000	157	The1Eri	2.9060	9300.0	104	44788	No
82	GOM_TRA_1PNPDE20100923_235116_000000572093_00145_44788_6067.N1	23-SEP-2010 23:51:16	Twilight_and_stray	57.000	52	16Bet Cet	2.0370	4500.0	114	44788	No

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



4. Overview of dark signal processing per product

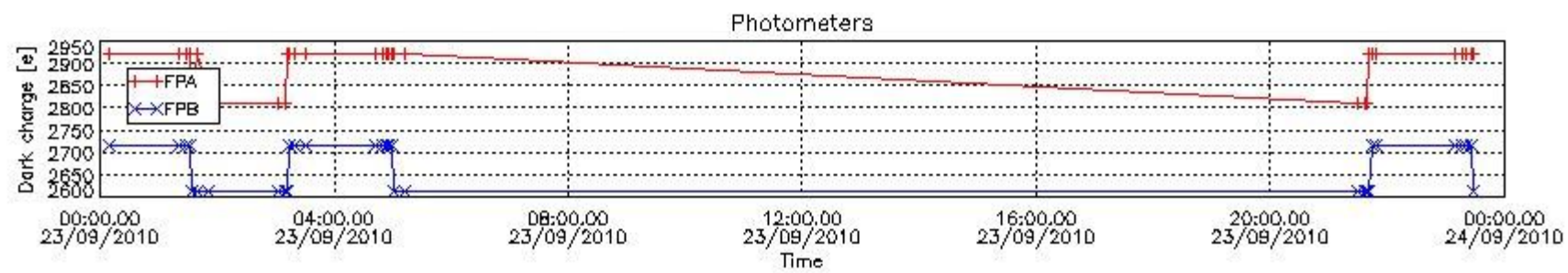
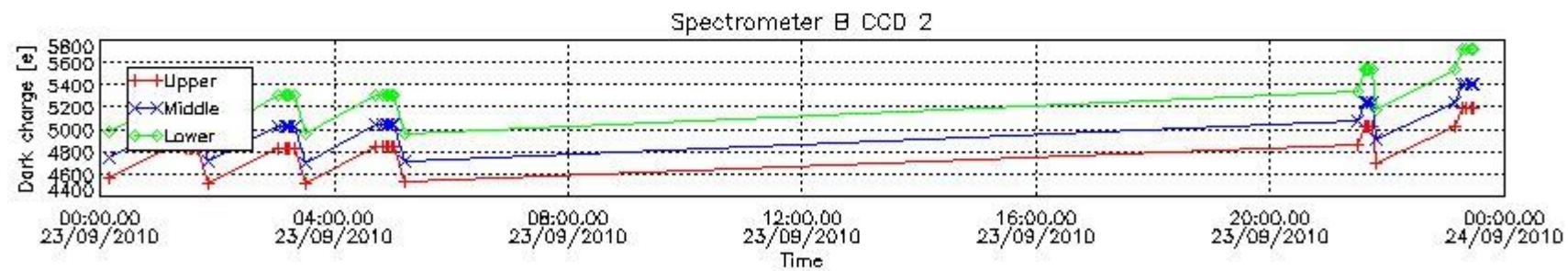
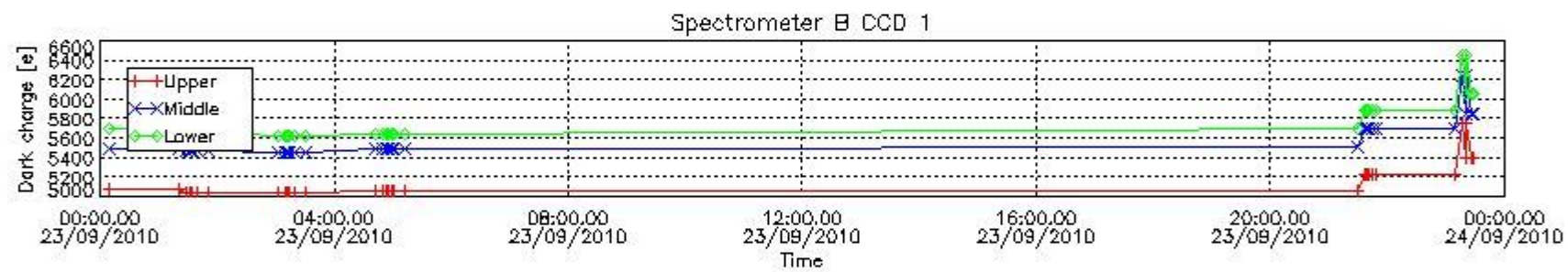
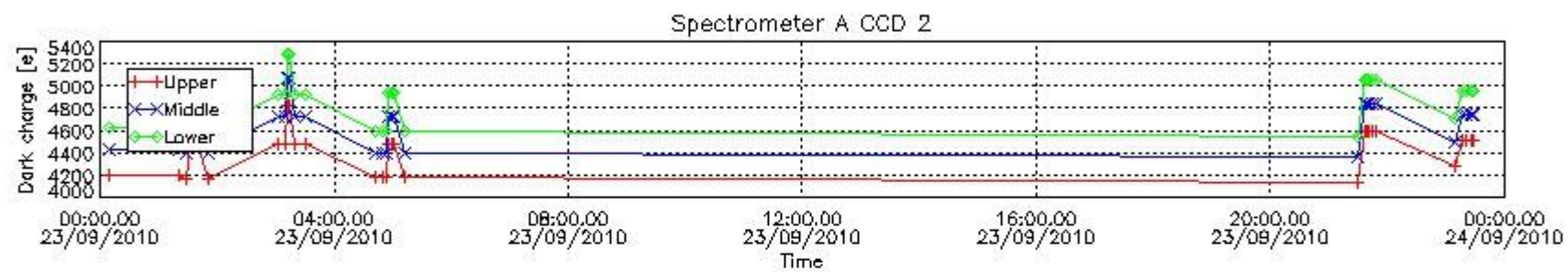
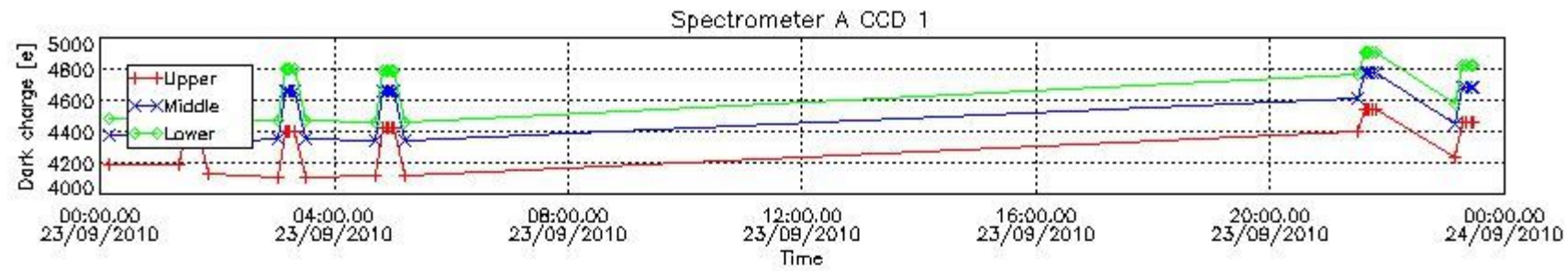
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100923_202250_000000442093_00143_44786_5840.N1	DC map used
GOM_TRA_1PNPDE20100923_203004_000000622093_00143_44786_5841.N1	DC map used
GOM_TRA_1PNPDE20100923_204029_000000382093_00143_44786_5842.N1	DC map used
GOM_TRA_1PNPDE20100923_204413_000000412093_00143_44786_5843.N1	DC map used
GOM_TRA_1PNPDE20100923_204536_000000452093_00143_44786_5844.N1	DC map used
GOM_TRA_1PNPDE20100923_205405_000000402093_00143_44786_5845.N1	DC map used
GOM_TRA_1PNPDE20100923_205539_000000442093_00143_44786_5846.N1	DC map used
GOM_TRA_1PNPDE20100923_211918_000000502093_00143_44786_5847.N1	DC map used
GOM_TRA_1PNPDE20100923_212853_000000692093_00143_44786_5848.N1	DC map used

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



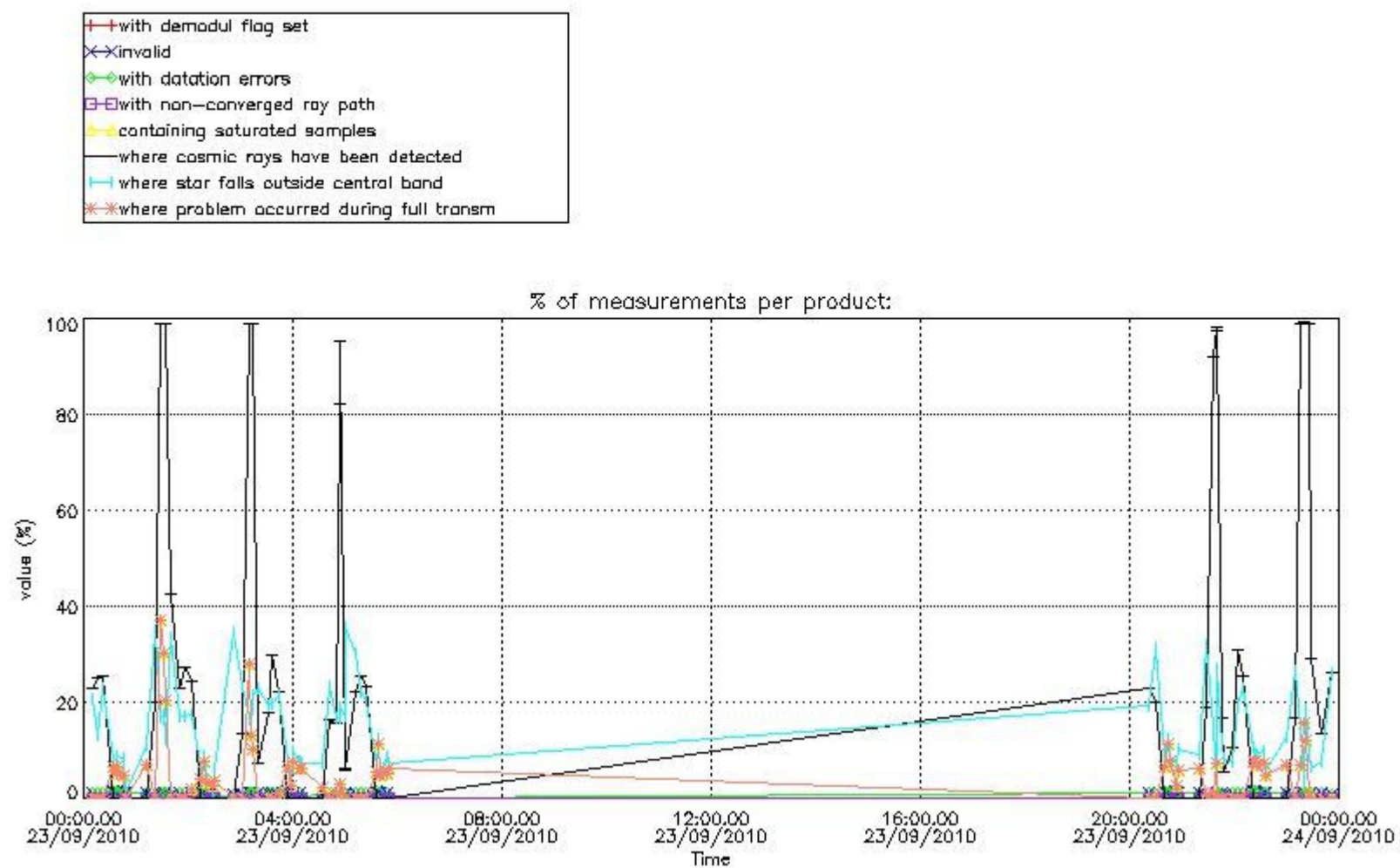
5. Demodulation flag and quality information monitoring

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.

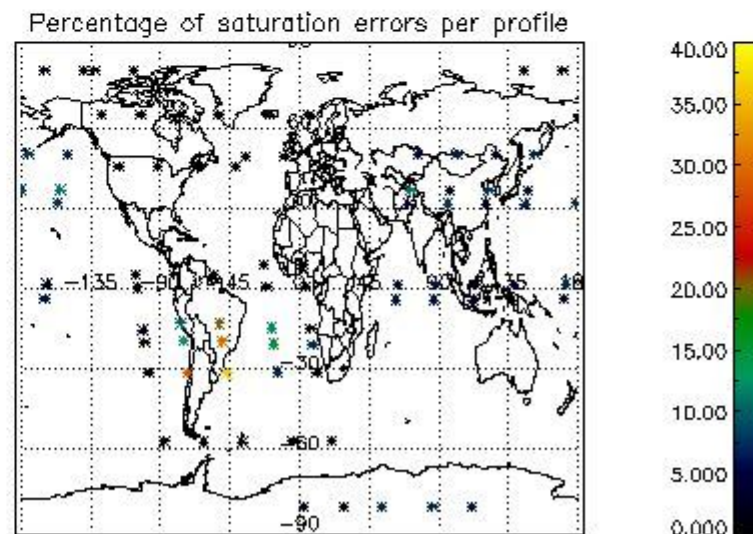
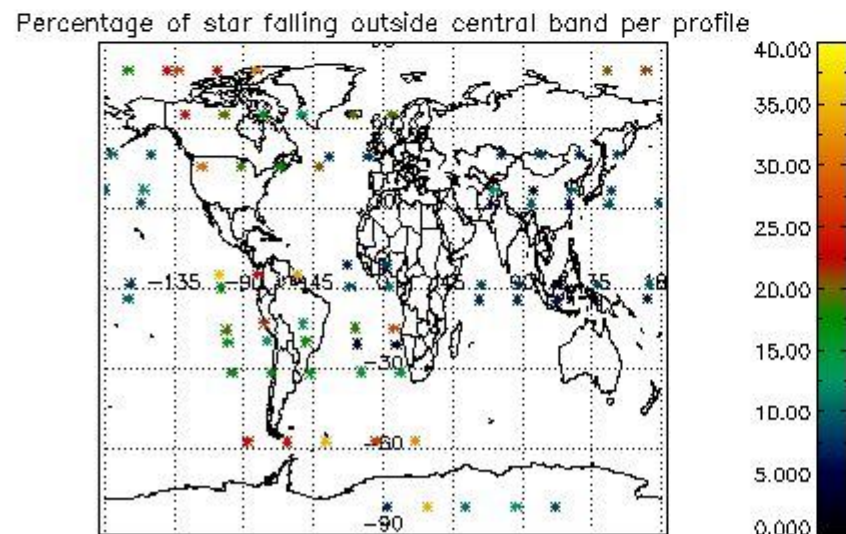
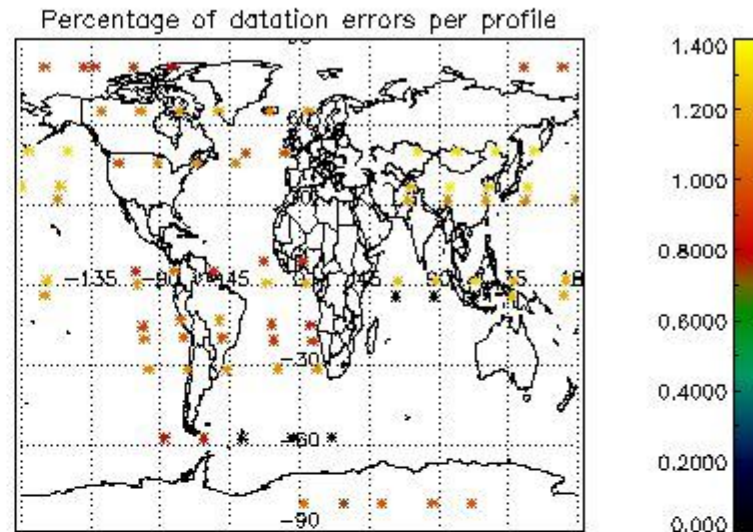
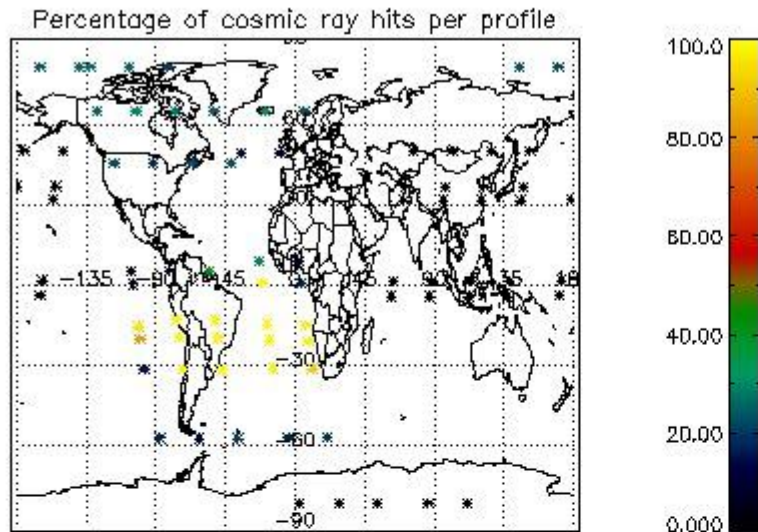
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	50.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



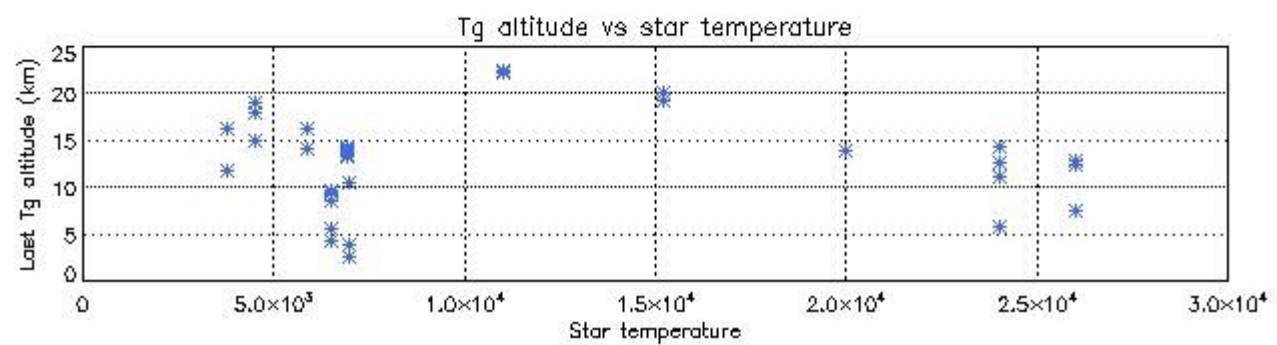
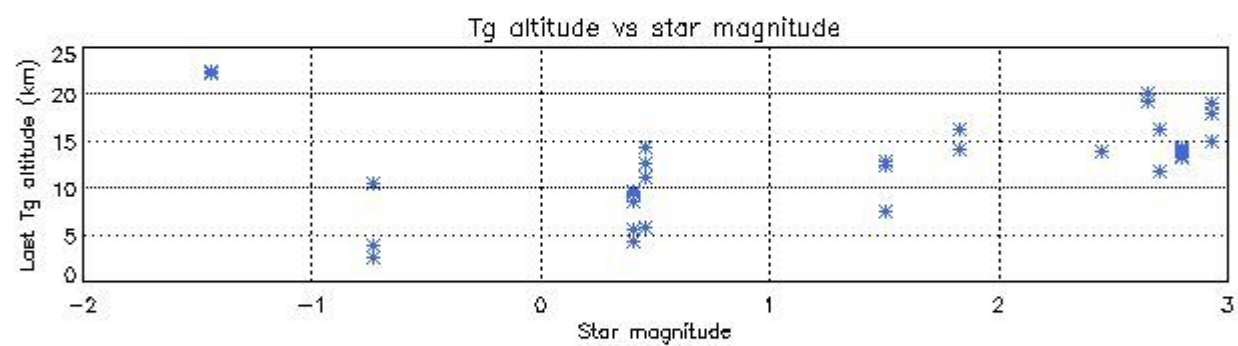
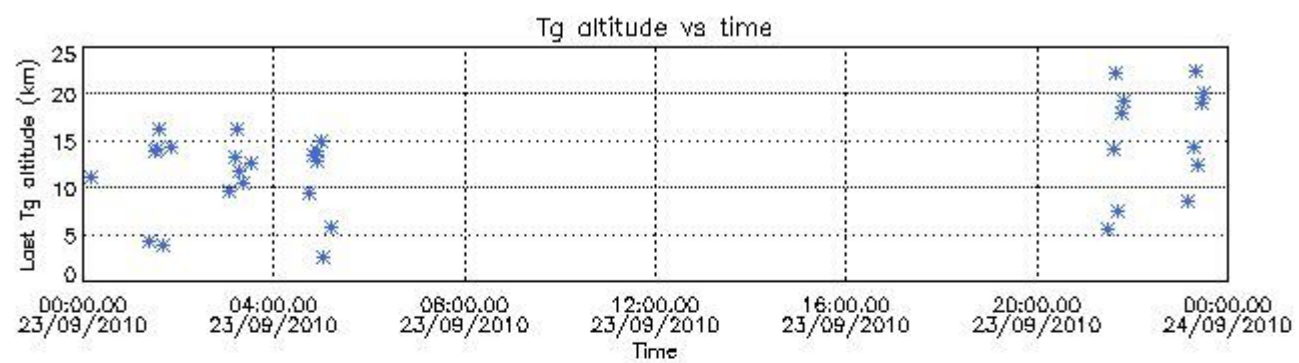
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.744	19.127	NaN
St. deviation:	5.1352	3.3850	NaN
Maximum:	22.447	24.351	NaN
Minimum:	2.5854	4.6395	NaN
Number of data:	32.000	35.000	NaN

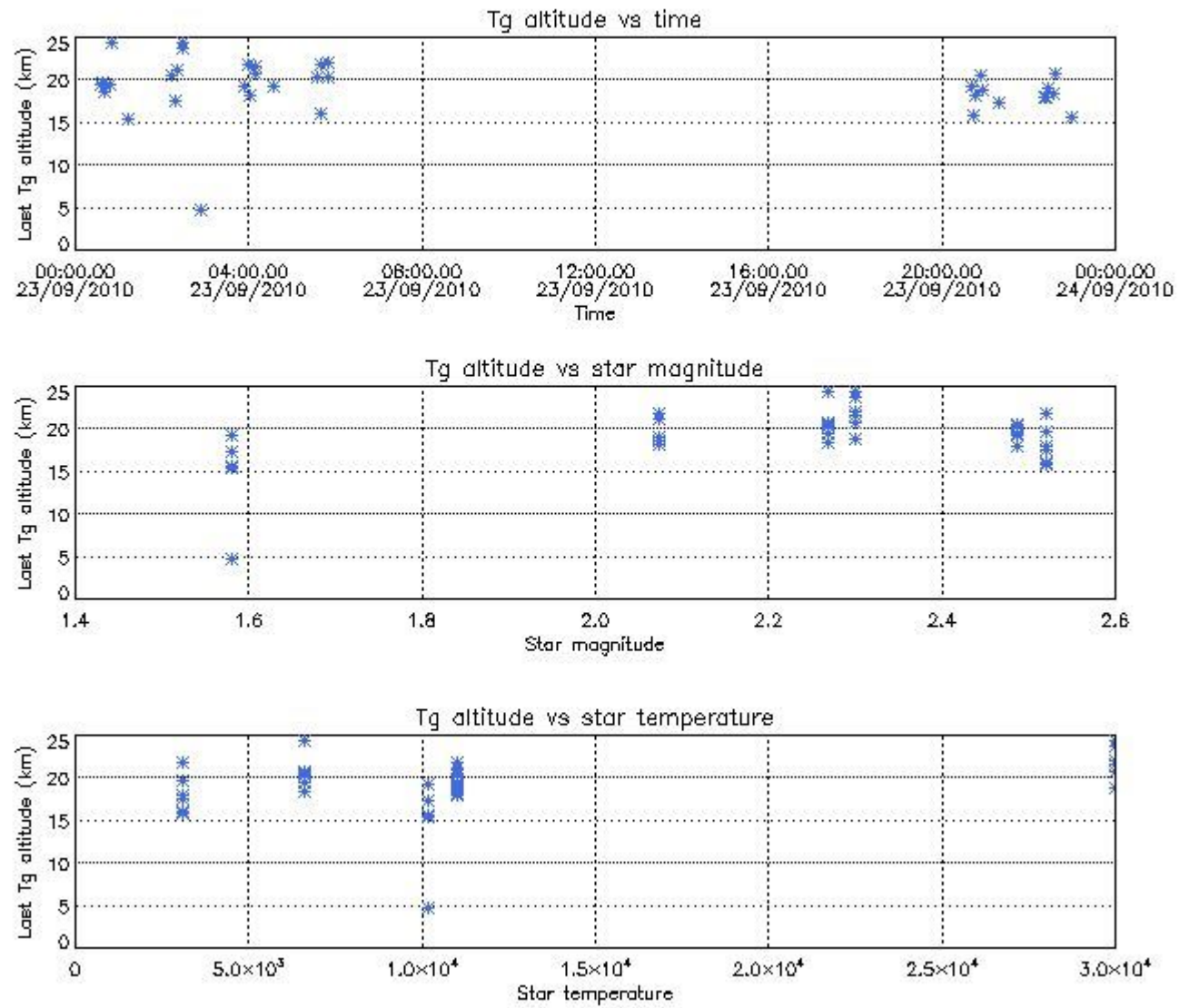
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

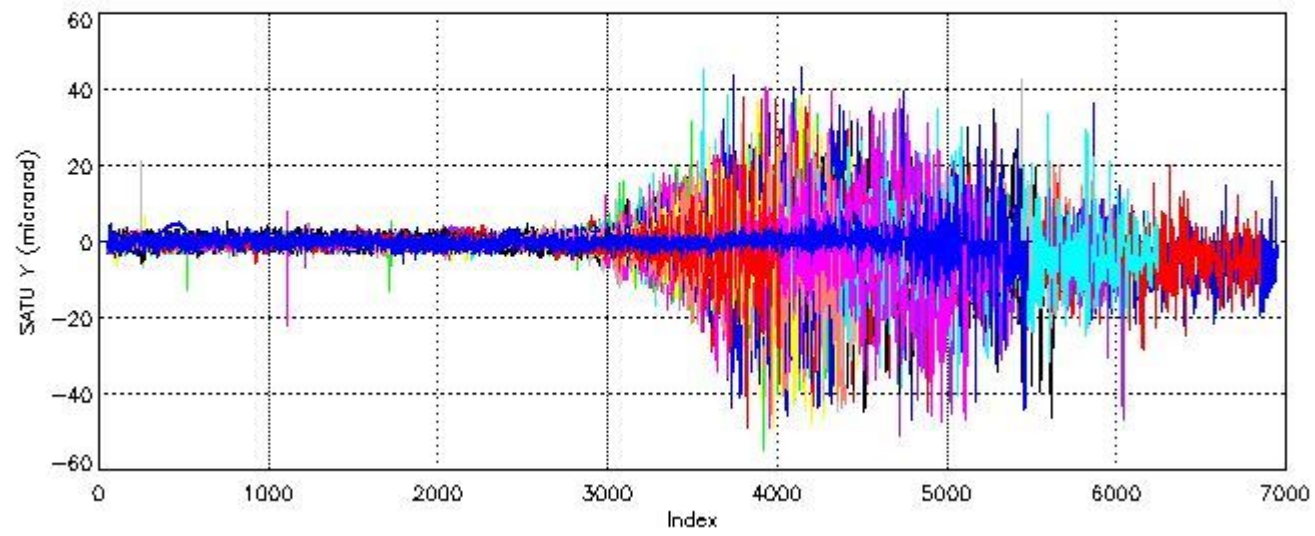
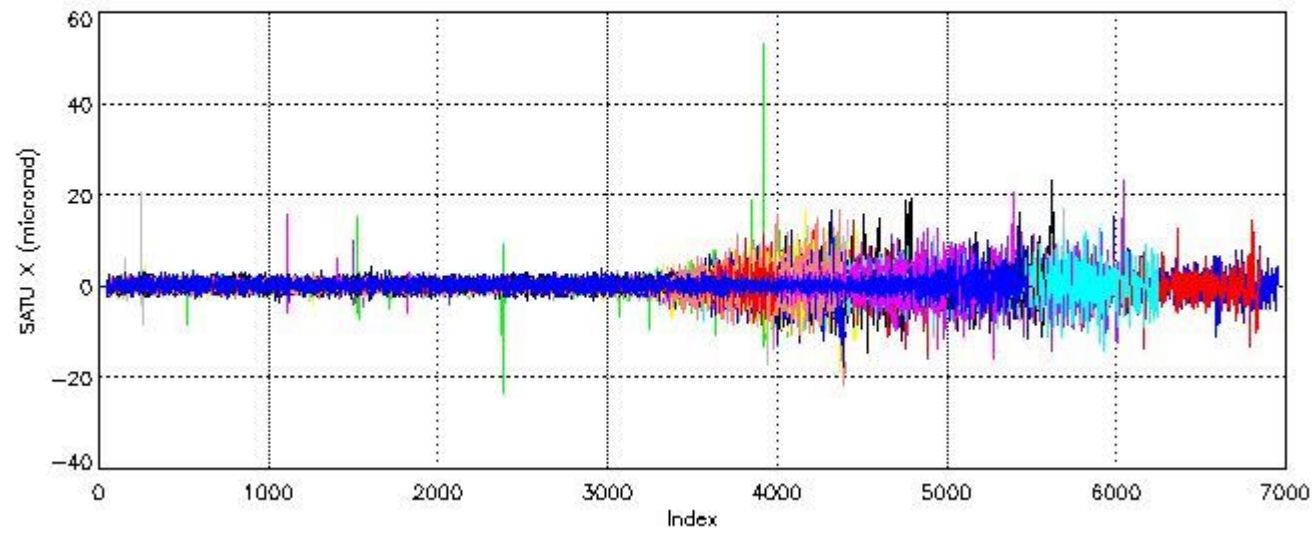


7. Star Acquisition and Tracking Unit (SATU)

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:	0.17907	-0.21896	0.18670	-0.19346
St. deviation:	0.44274	0.84228	0.69749	1.0372
Maximum:	20.400	21.000	4.3000	6.6000
Minimum:	-8.5000	-12.400	-4.4000	-8.9000

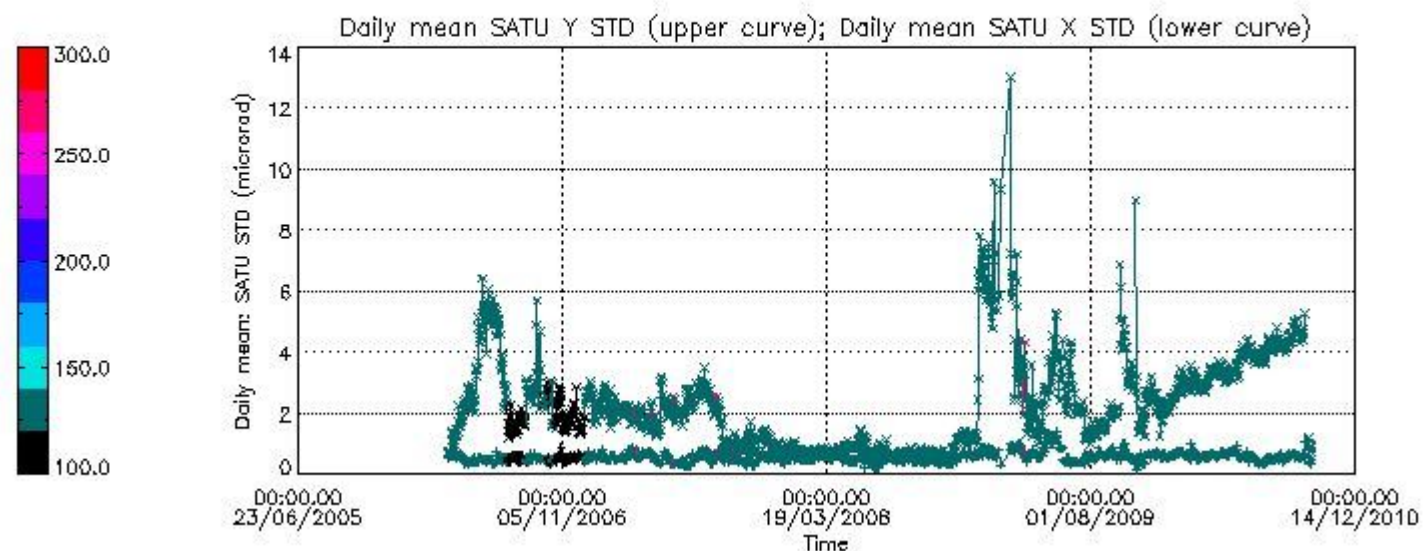
Number of data:	33500.	33500.	34200.	34200.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

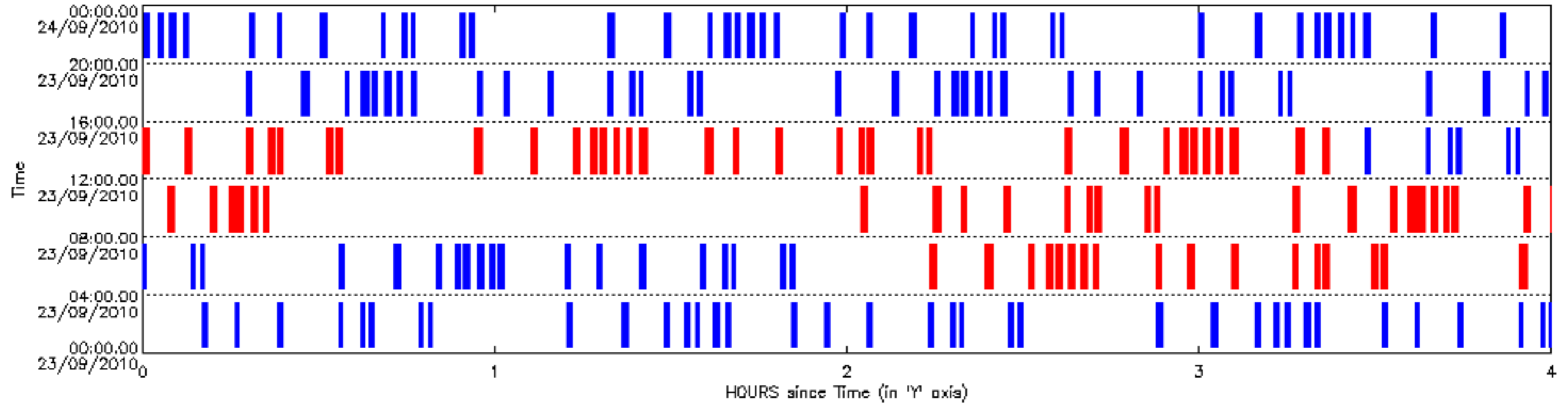
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

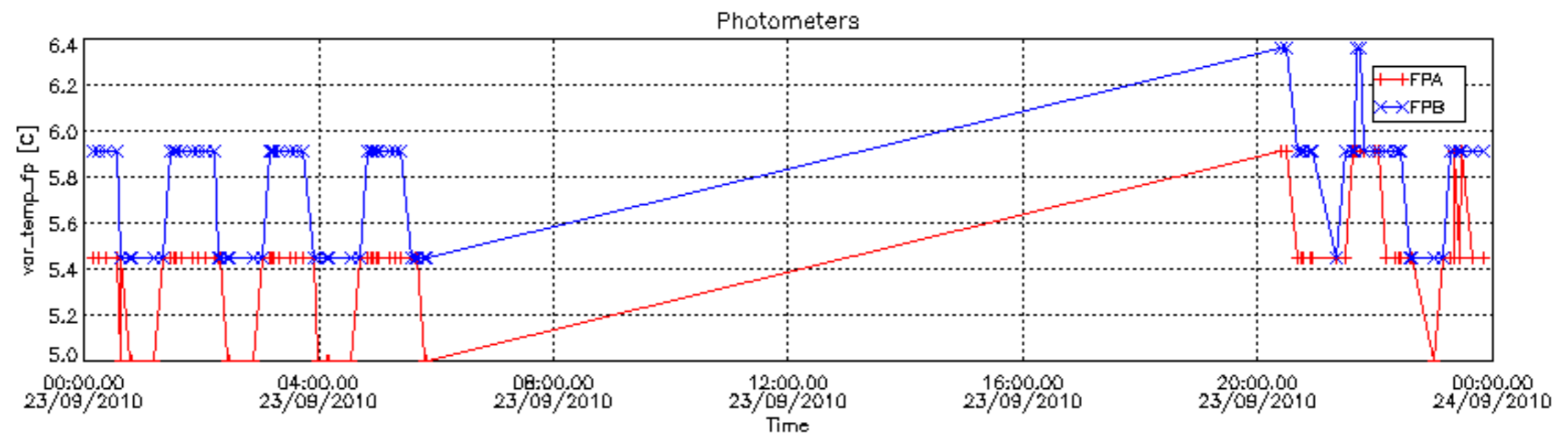
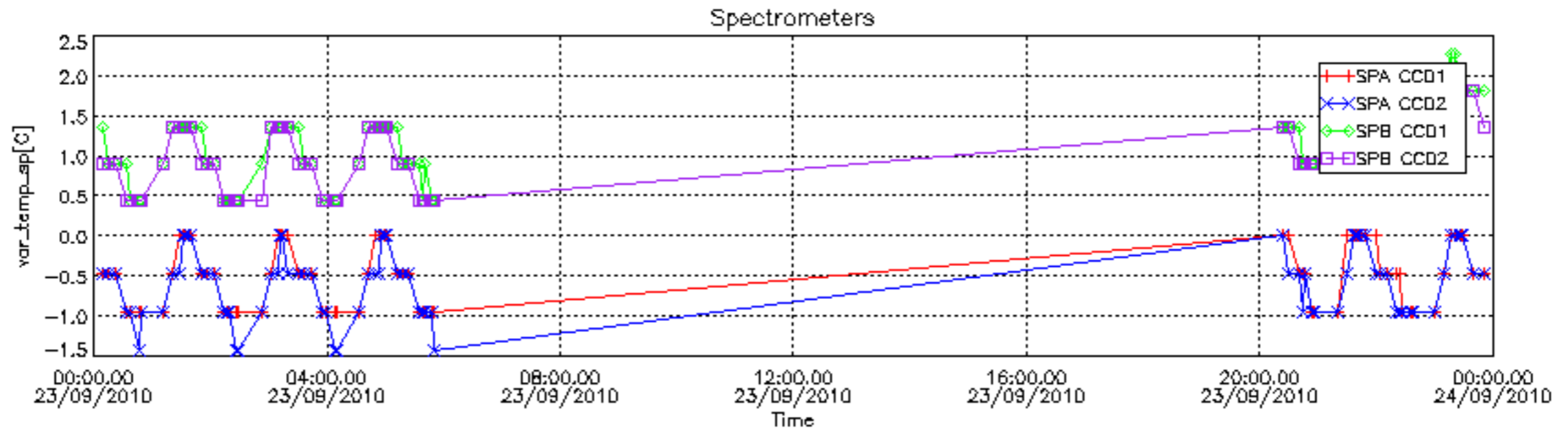


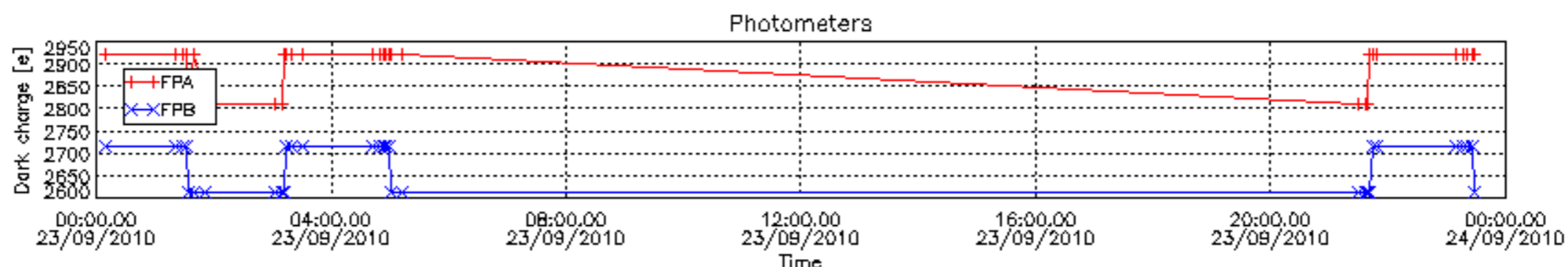
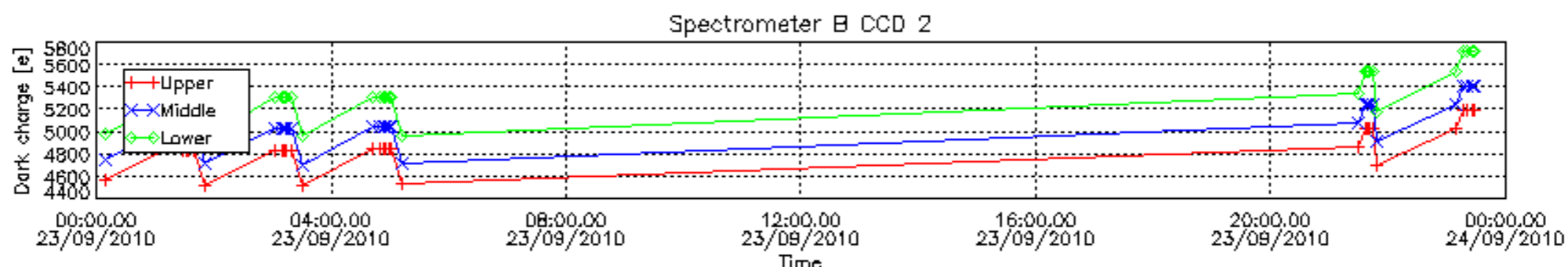
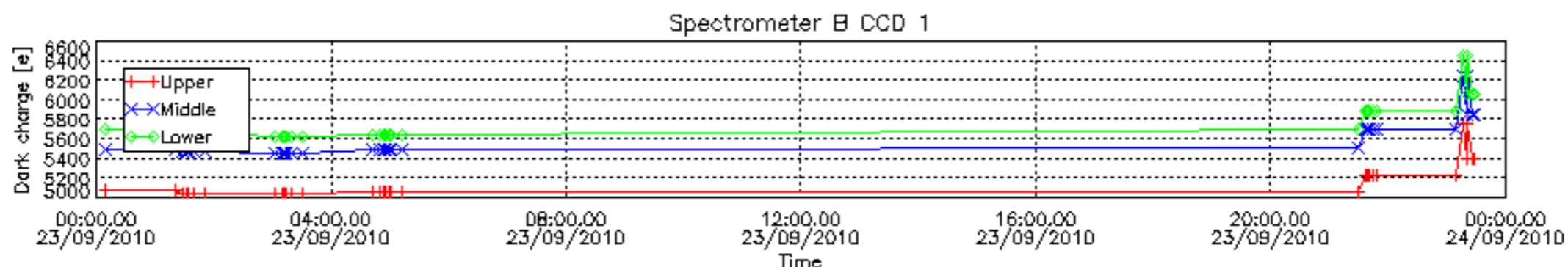
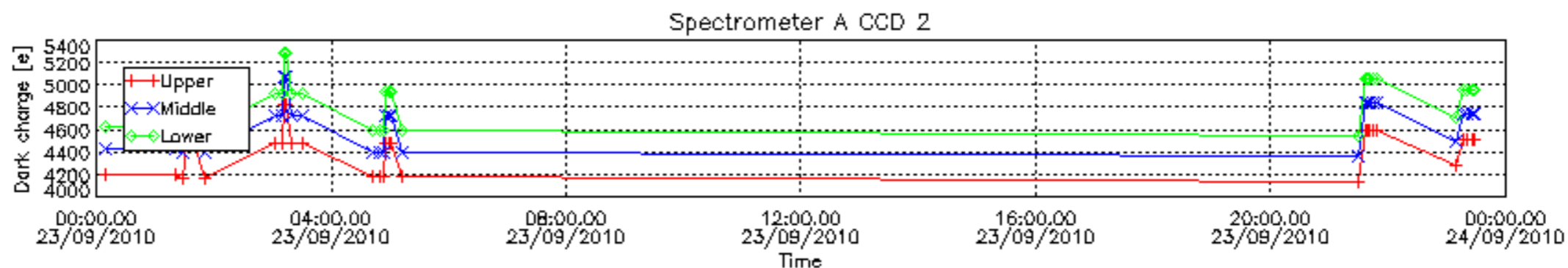
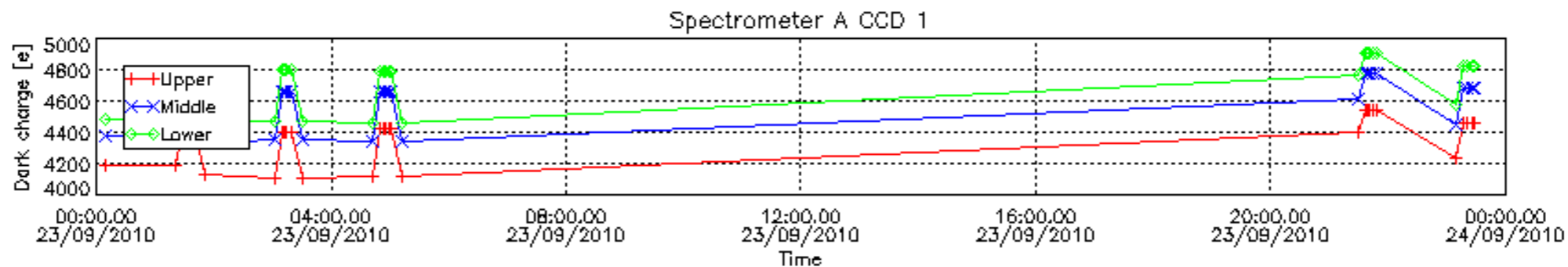
8. Auxiliary Data Files used for the production reported in section 2.4

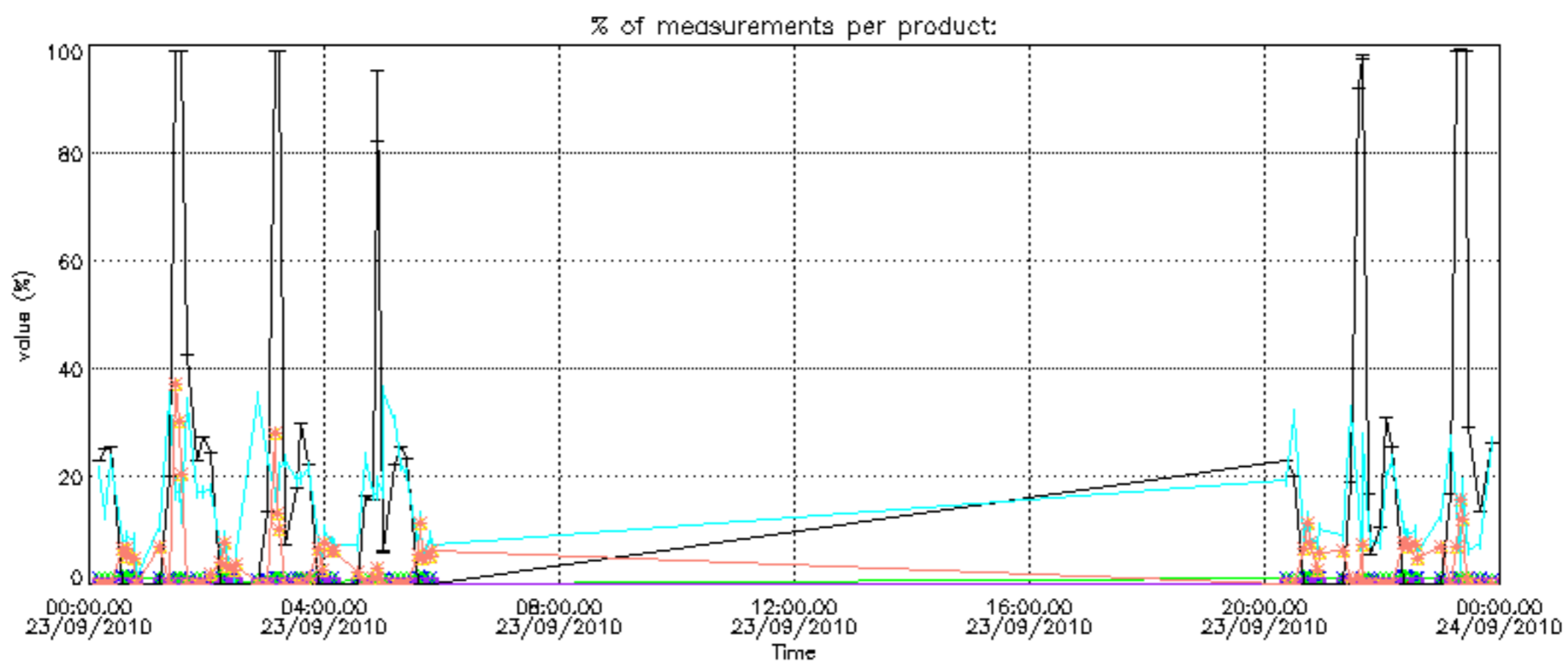
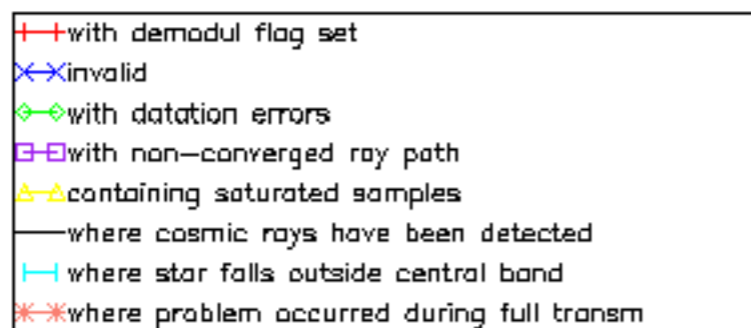
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-SEP-2010 00:10:00
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100917_112037_20100916_000000_20500101_000000	1	23-SEP-2010 00:10:00
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100923_133008_20100922_000000_20500101_000000	52	23-SEP-2010 20:22:50
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	23-SEP-2010 00:10:00
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-SEP-2010 00:10:00
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	23-SEP-2010 00:10:00
ECMWF_FILE	AUX_ECF_AXNECM20100922_054114_20100922_210000_20100923_090000	1	23-SEP-2010 00:10:00
ECMWF_FILE	AUX_ECA_AXNECM20100923_051818_20100922_210000_20100923_090000	23	23-SEP-2010 02:52:41
ECMWF_FILE	AUX_ECF_AXNECM20100923_053816_20100923_150000_20100924_030000	52	23-SEP-2010 20:22:50
ECMWF_FILE	AUX_ECA_AXNECM20100924_052114_20100923_210000_20100924_090000	61	23-SEP-2010 21:36:12
OPTIONAL_ECMWF_FILE	MISSING	1	23-SEP-2010 00:10:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100922_234202_000057382093_00130_44773_1119.N1	1	23-SEP-2010 00:10:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100923_012259_000038252093_00131_44774_1120.N1	11	23-SEP-2010 01:28:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100923_023203_000060572093_00132_44775_1121.N1	23	23-SEP-2010 02:52:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100923_041819_000057382093_00133_44776_1122.N1	37	23-SEP-2010 04:33:18
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100923_091817_20100922_185523_20101002_202135	52	23-SEP-2010 20:22:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100923_212904_000057382093_00143_44786_1124.N1	61	23-SEP-2010 21:36:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100923_231001_000057382093_00144_44787_1125.N1	76	23-SEP-2010 23:16:48

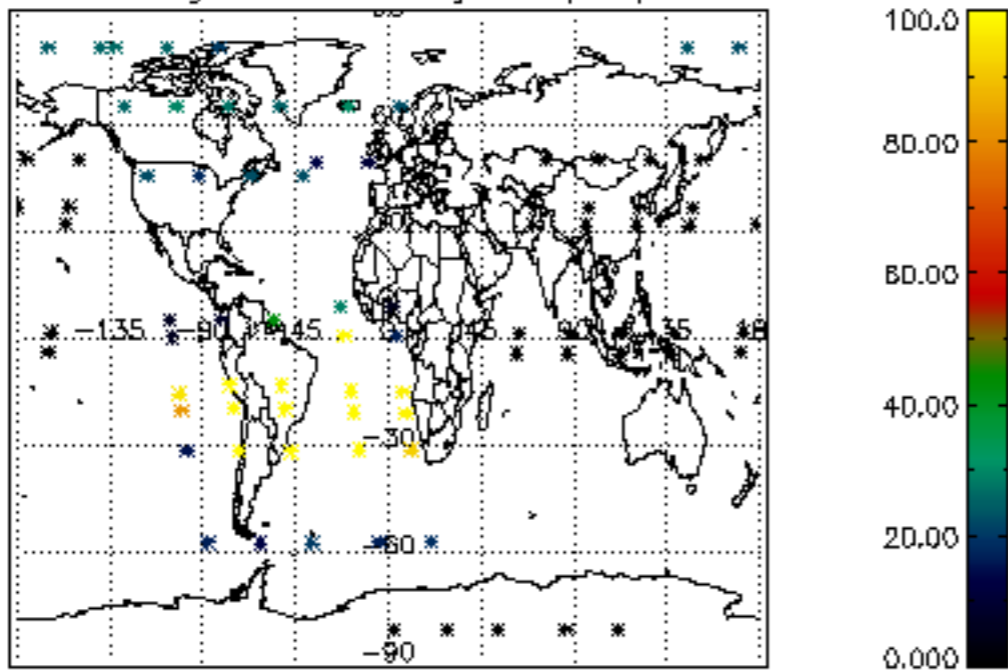




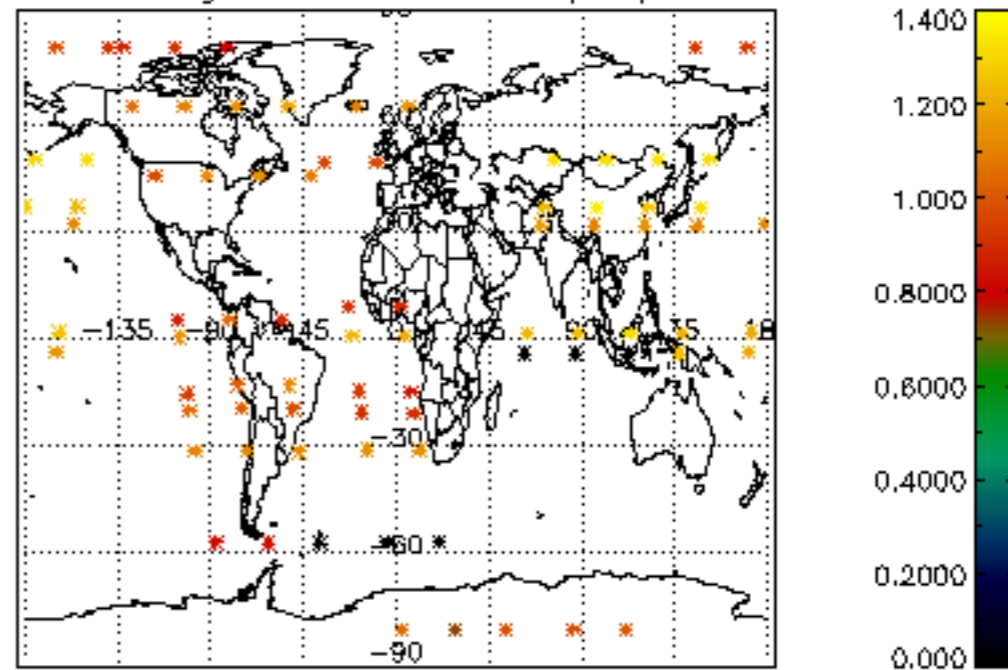




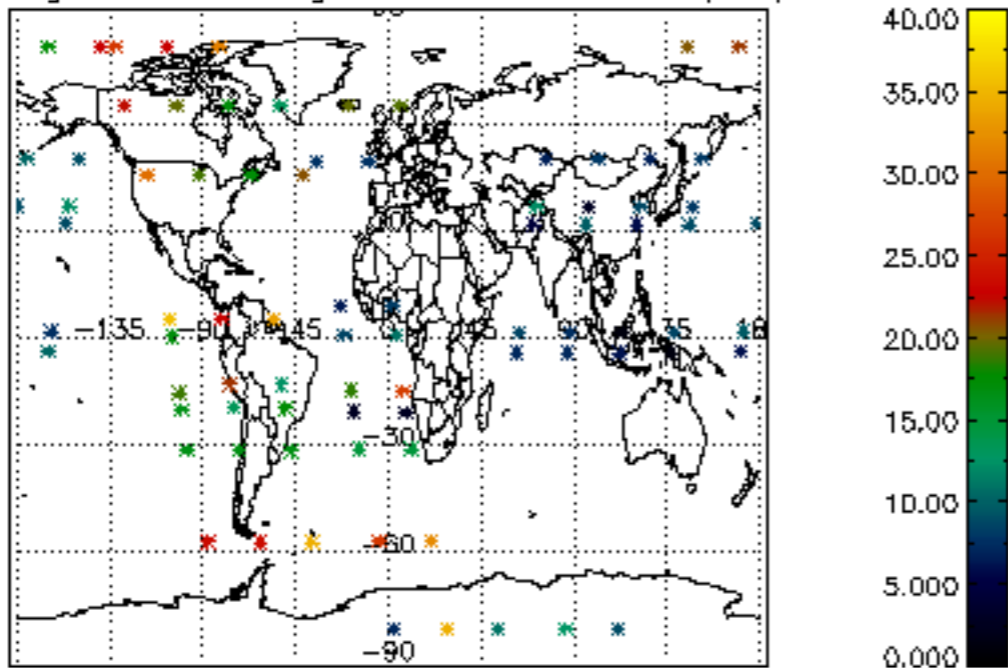
Percentage of cosmic ray hits per profile



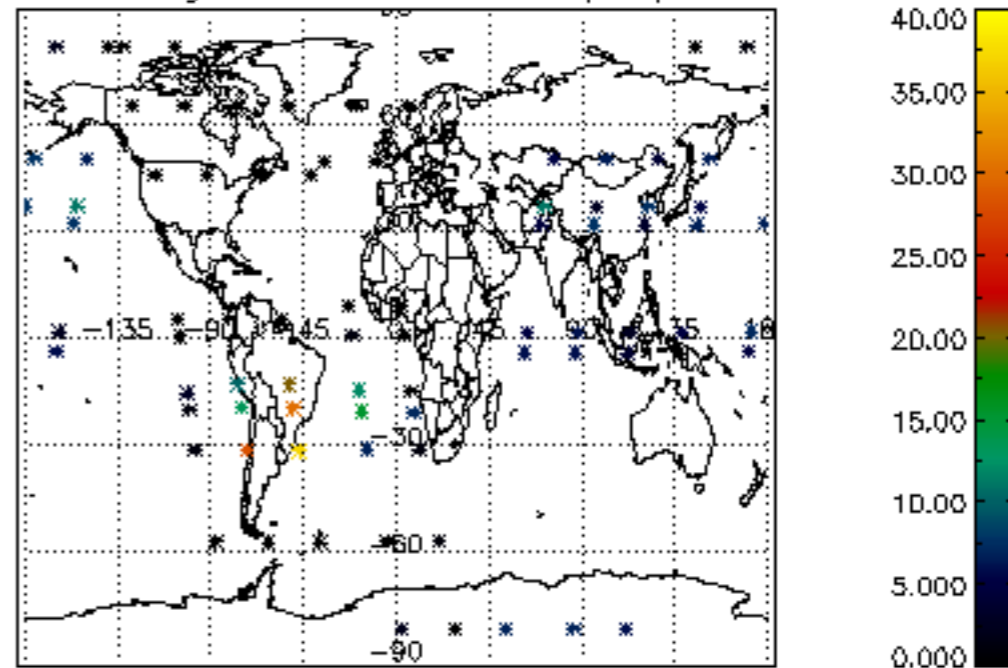
Percentage of datation errors per profile



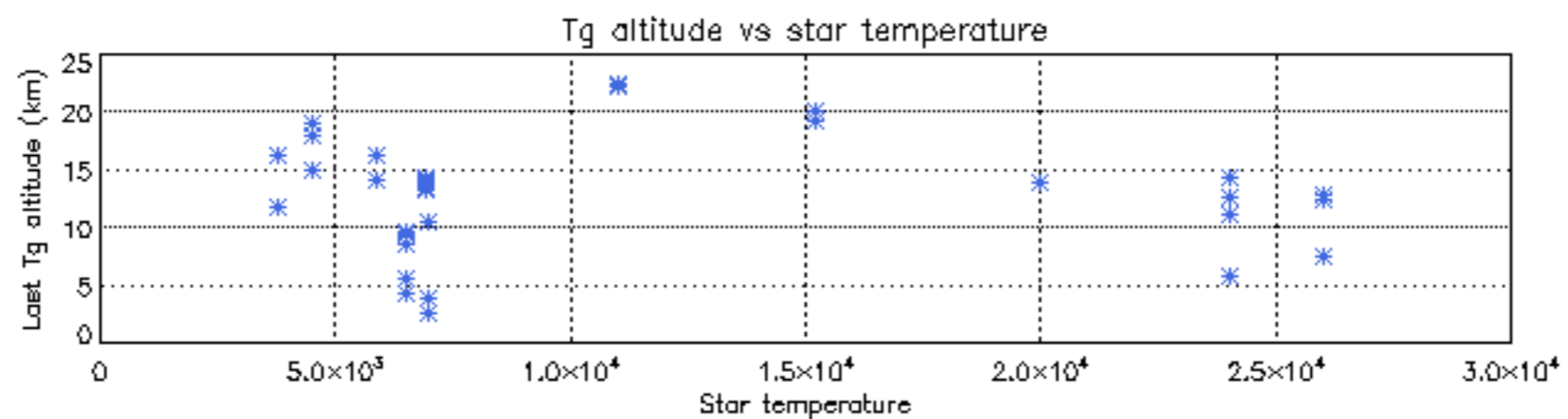
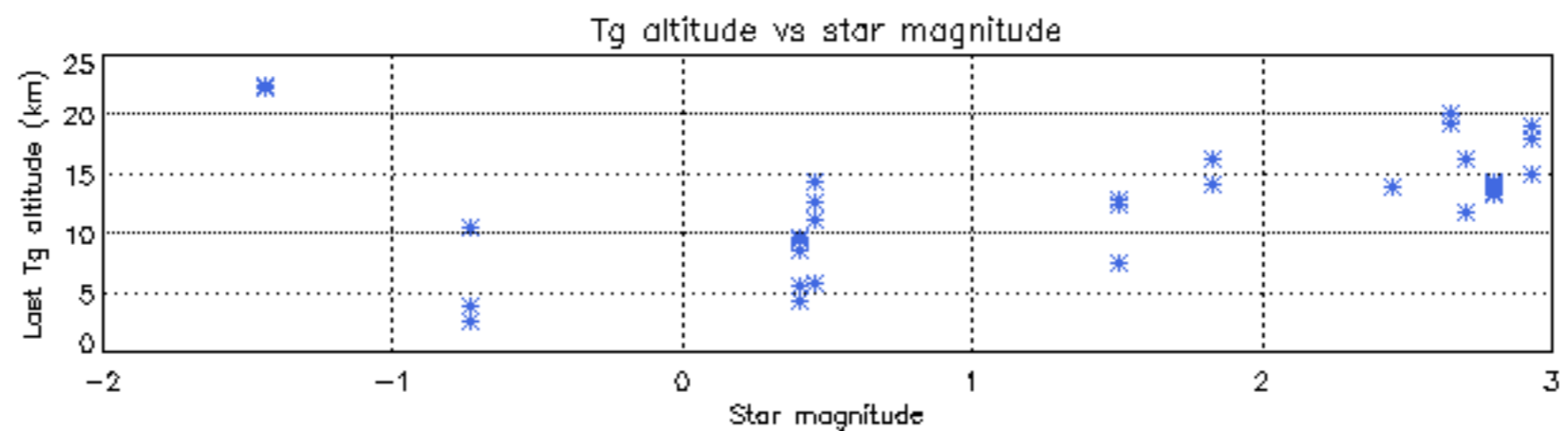
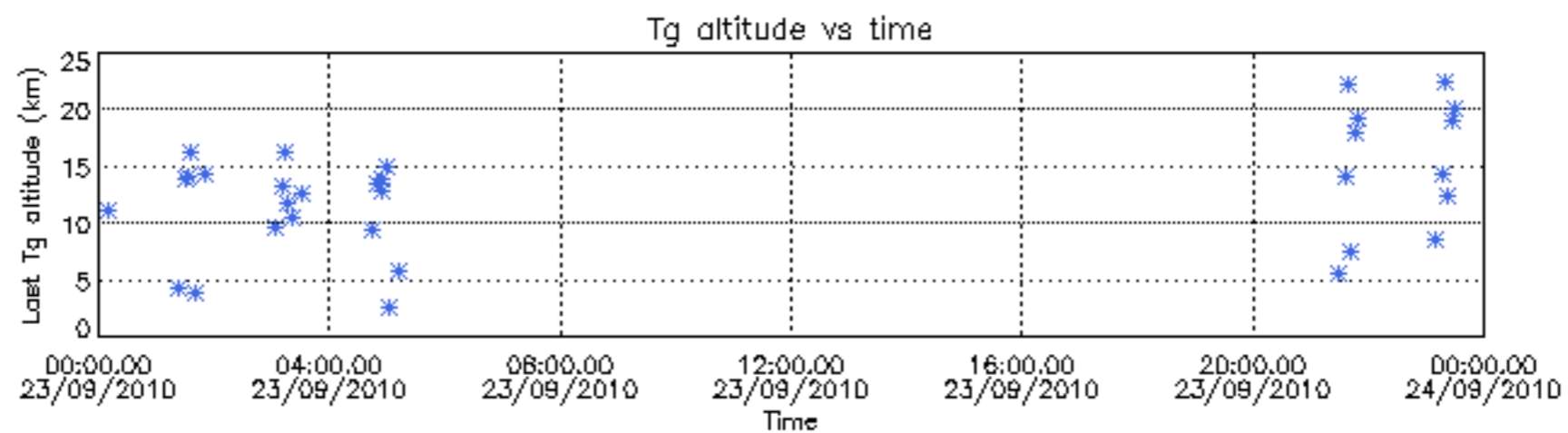
Percentage of star falling outside central band per profile



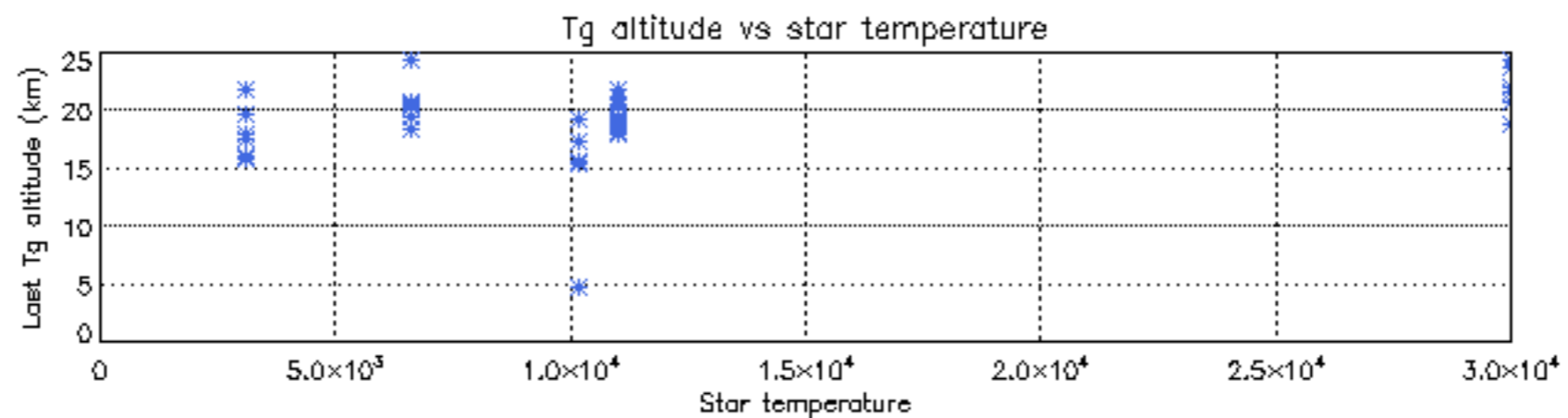
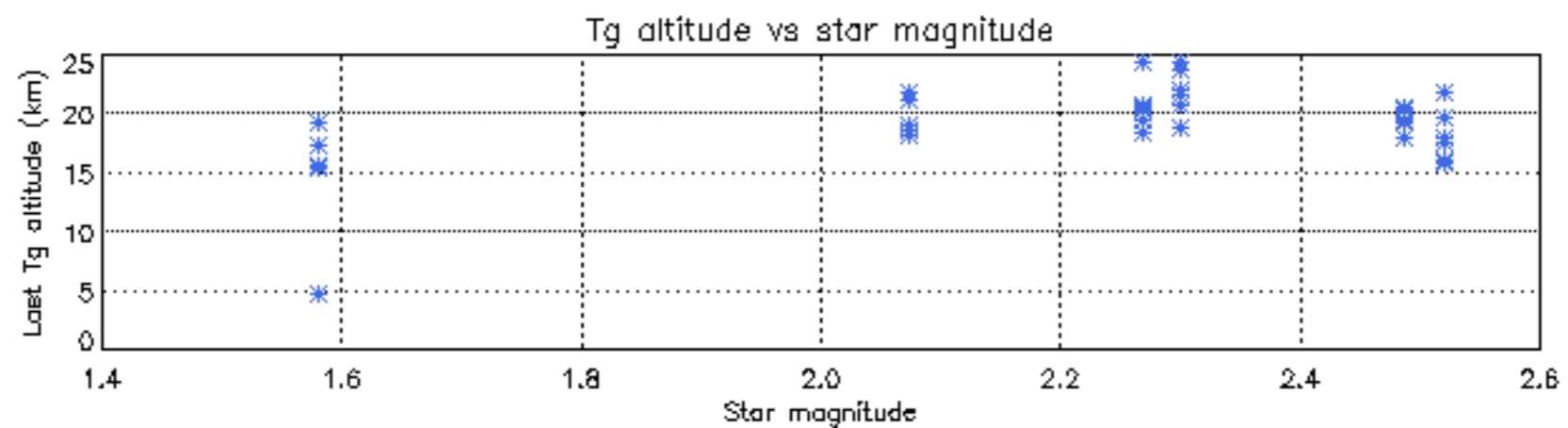
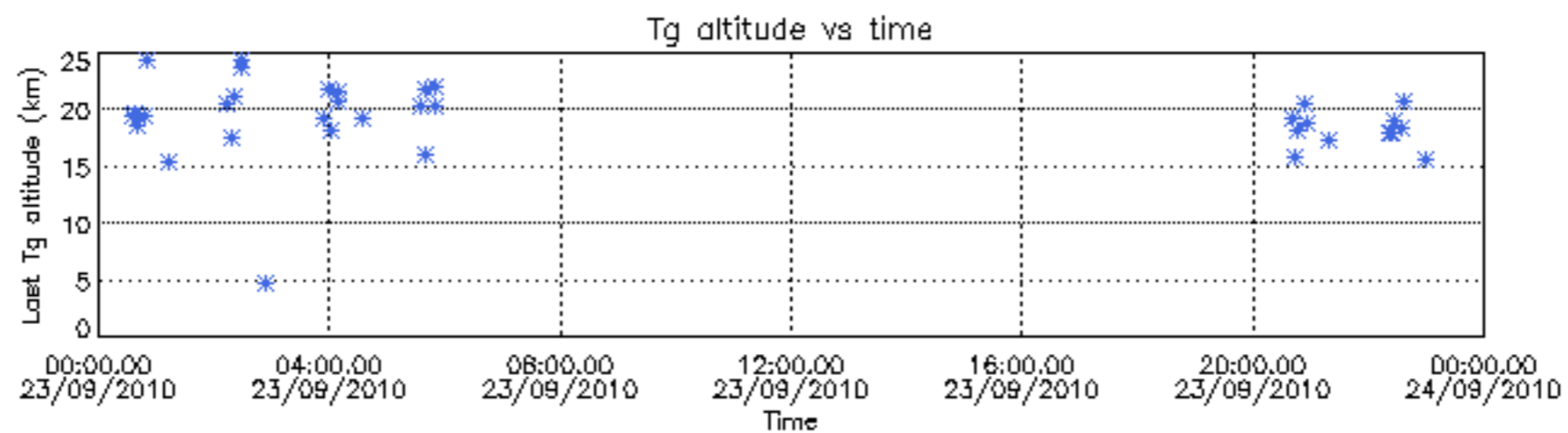
Percentage of saturation errors per profile

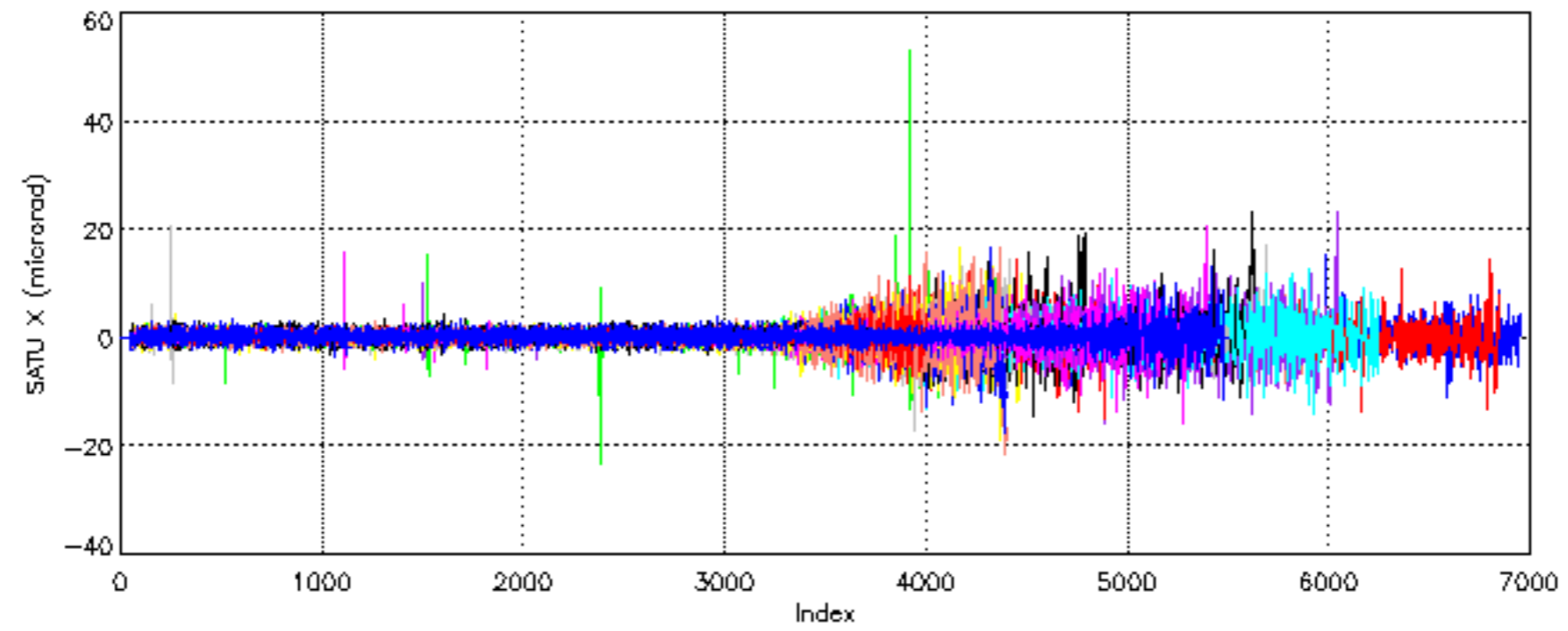


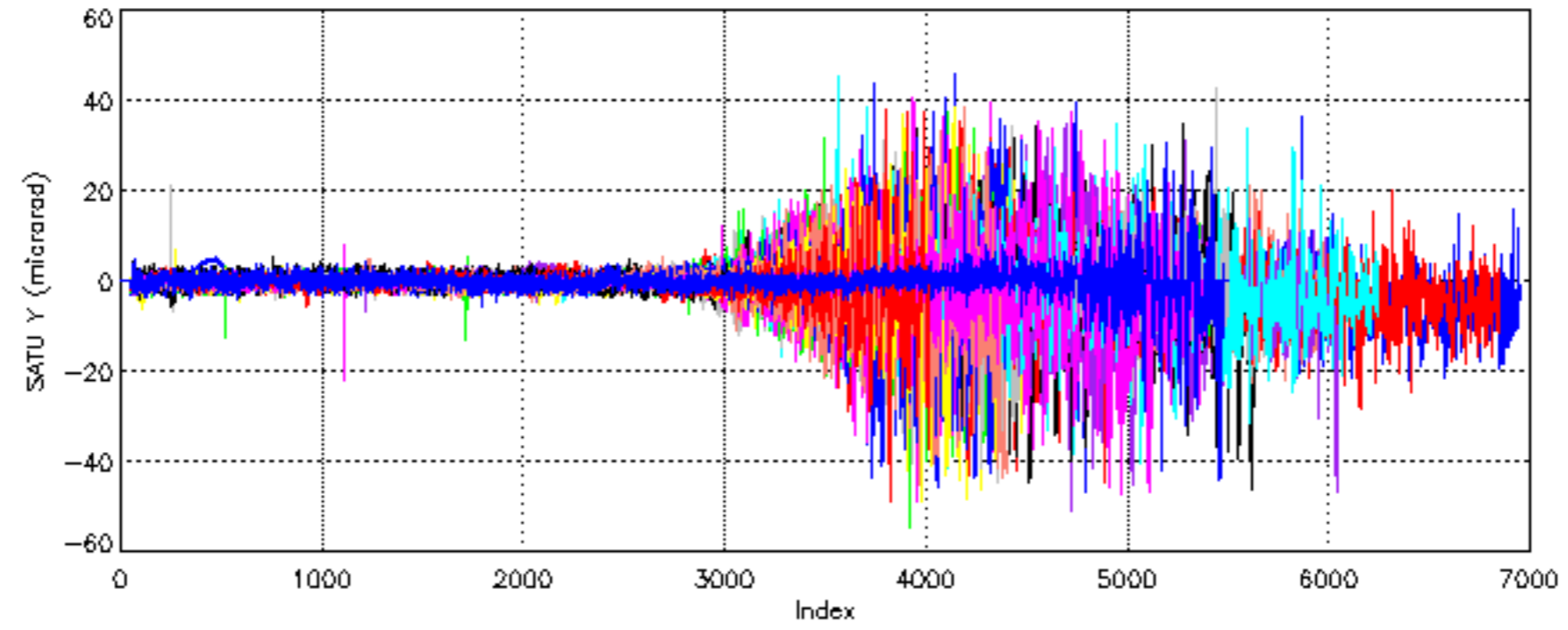
Tangent altitude at which the star is lost

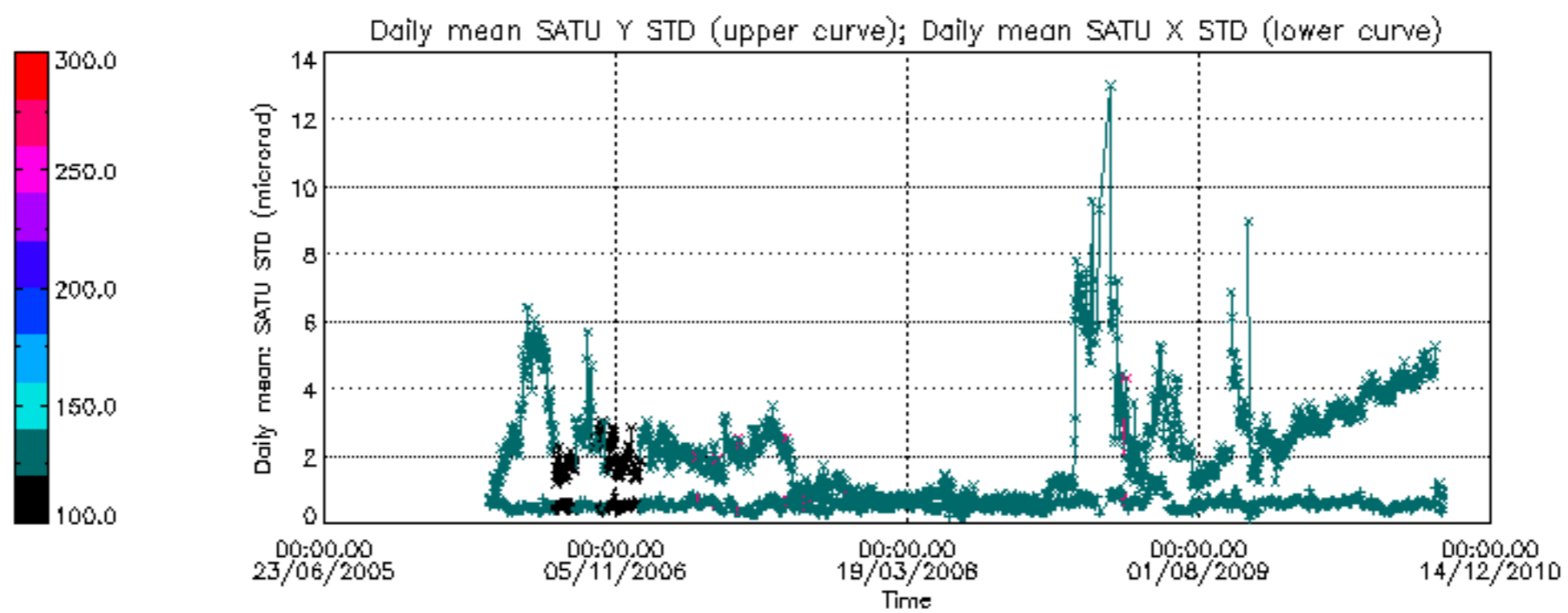


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100901_011807_000013212092_00317_44459_0811.N1

1; -664.1; 01-SEP-2010 01:18:07; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;44459
 2; -498.0; 01-SEP-2010 01:20:53; Dark ; 42.0; 23; 21Eps CMA ; 1.50; 26000;occ; 84; 0;44459
 3; -356.2; 01-SEP-2010 01:23:15; Dark ; 58.5; 139; 9Bet Lep ; 2.83; 5600;occ; 117; 0;44459
 4; -241.6; 01-SEP-2010 01:25:10; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44459
 5; 525.7; 01-SEP-2010 01:37:57; Dark ; 41.0; 143; Alp Hyi ; 2.86; 7200;occ; 82; 0;44460
 6; 602.5; 01-SEP-2010 01:39:14; Dark ; 55.0; 9; Alp Eri ; 0.45; 24000;occ; 110; 0;44460

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100901_011807_000092462092_00317_44459_0808.N1

1; -664.1; 01-SEP-2010 01:18:07; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;44459
 2; -498.0; 01-SEP-2010 01:20:53; Dark ; 42.0; 23; 21Eps CMA ; 1.50; 26000;occ; 84; 0;44459
 3; -356.2; 01-SEP-2010 01:23:15; Dark ; 58.5; 139; 9Bet Lep ; 2.83; 5600;occ; 117; 0;44459
 4; -241.6; 01-SEP-2010 01:25:10; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44459
 5; 525.7; 01-SEP-2010 01:37:57; Dark ; 41.0; 143; Alp Hyi ; 2.86; 7200;occ; 82; 0;44460
 6; 602.5; 01-SEP-2010 01:39:14; Dark ; 55.0; 9; Alp Eri ; 0.45; 24000;occ; 110; 0;44460
 7; 960.0; 01-SEP-2010 01:45:11; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;44460
 8; 1328.3; 01-SEP-2010 01:51:20; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;44460
 9; 1895.5; 01-SEP-2010 02:00:47; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;44460
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 9; 4840.0; 08-SEP-2010 15:54:31; Dark ; 52.5; 44; 24Gam Gem ; 1.93; 11000;occ; 105; 0;44568
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 13; 5723.9; 08-SEP-2010 16:09:15; Dark ; 45.0; 177; 1Zet CMA ; 3.02; 26000;occ; 90; 0;44568
 14; 5812.5; 08-SEP-2010 16:10:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44568
 15; 5916.1; 08-SEP-2010 16:12:27; Dark ; 47.5; 108; Alp Col ; 2.65; 15200;occ; 95; 0;44568
 16; 6622.1; 08-SEP-2010 16:24:13; Dark ; 36.5; 143; Alp Hyi ; 2.86; 7200;occ; 73; 0;44569
 17; 6702.4; 08-SEP-2010 16:25:33; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44569
 18; 7055.1; 08-SEP-2010 16:31:26; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;44569

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 14; 5813.3; 08-SEP-2010 17:51:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44569
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 16; 6702.8; 08-SEP-2010 18:06:10; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44570
 17; 7055.5; 08-SEP-2010 18:12:02; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;44570

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 3; 2458.6; 08-SEP-2010 18:36:02; Bright; 40.5; 164; 44Eta Peg ; 2.95; 5400;occ; 81; 0;44570
 4; 3080.1; 08-SEP-2010 18:46:23; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;44570
 5; 3199.1; 08-SEP-2010 18:48:22; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;44570
 6; 4191.3; 08-SEP-2010 19:04:54; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;44570
 7; 4467.1; 08-SEP-2010 19:09:30; Bright; 40.5; 24; 66Alp Gem ; 1.58; 10200;occ; 81; 0;44570
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 9; 4840.9; 08-SEP-2010 19:15:44; Dark ; 57.0; 44; 24Gam Gem ; 1.93; 11000;occ; 114; 0;44570
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 11; 5450.6; 08-SEP-2010 19:25:54; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;44570
 12; 5602.7; 08-SEP-2010 19:28:26; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;44570
 13; 5725.9; 08-SEP-2010 19:30:29; Dark ; 45.0; 177; 1Zet CMA ; 3.02; 26000;occ; 90; 0;44570
 14; 5814.1; 08-SEP-2010 19:31:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44570
 15; 5918.3; 08-SEP-2010 19:33:41; Dark ; 49.0; 108; Alp Col ; 2.65; 15200;occ; 98; 0;44570
 16; 6703.4; 08-SEP-2010 19:46:46; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;44571

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 4; 669.1; 09-SEP-2010 00:48:36; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;44574
 5; 1021.3; 09-SEP-2010 00:54:28; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;44574
 6; 1357.6; 09-SEP-2010 01:00:04; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;44574
 7; 2203.8; 09-SEP-2010 01:14:10; Bright; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;44574
 8; 2457.2; 09-SEP-2010 01:18:24; Bright; 41.5; 164; 44Eta Peg ; 2.95; 5400;occ; 83; 0;44574
 9; 3077.9; 09-SEP-2010 01:28:44; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;44574
 10; 3196.5; 09-SEP-2010 01:30:43; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;44574
 11; 4190.4; 09-SEP-2010 01:47:17; Bright; 49.5; 42; 34Bet Aur ; 1.90; 10200;occ; 99; 0;44574
 12; 4467.5; 09-SEP-2010 01:51:54; Bright; 41.0; 24; 66Alp Gem ; 1.58; 10200;occ; 82; 0;44574
 13; 4641.0; 09-SEP-2010 01:54:48; Dark ; 54.5; 170; 27Eps Gem ; 3.00; 9700;occ; 109; 0;44574
 14; 4843.0; 09-SEP-2010 01:58:10; Dark ; 55.0; 44; 24Gam Gem ; 1.93; 11000;occ; 110; 0;44574
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 3; -218.7; 09-SEP-2010 02:14:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44574
 4; 669.4; 09-SEP-2010 02:29:12; Dark ; 53.0; 9; Alp Eri ; 0.45; 24000;occ; 106; 0;44575

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6; 1357.8; 09-SEP-2010 02:40:40; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;44575
7; 2203.3; 09-SEP-2010 02:54:46; Bright; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;44575
8; 2457.2; 09-SEP-2010 02:59:00; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;44575
9; 3077.3; 09-SEP-2010 03:09:20; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;44575
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3; -1394.5; 09-SEP-2010 03:35:24; Dark ; 56.5; 170; 27Eps Gem ; 3.00; 9700;occ; 113; 0;44575
4; -1192.4; 09-SEP-2010 03:38:46; Dark ; 55.0; 44; 24Gam Gem ; 1.93; 11000;occ; 110; 0;44575
5; -1080.9; 09-SEP-2010 03:40:37; Dark ; 58.0; 8; 10Alp CMi ; 0.40; 6500;occ; 116; 0;44575
6; -581.3; 09-SEP-2010 03:48:57; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;44575
7; -430.0; 09-SEP-2010 03:51:28; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;44575
8; -306.0; 09-SEP-2010 03:53:32; Dark ; 45.5; 177; 1Zet CMA ; 3.02; 26000;occ; 91; 0;44575
9; -217.9; 09-SEP-2010 03:55:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44575
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11; 670.4; 09-SEP-2010 04:09:49; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44576
12; 1022.6; 09-SEP-2010 04:15:41; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;44576
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14; 2203.6; 09-SEP-2010 04:35:22; Bright; 42.5; 90; 54Alp Peg ; 2.49; 11000;occ; 85; 0;44576
15; 2456.9; 09-SEP-2010 04:39:35; Bright; 40.0; 164; 44Eta Peg ; 2.95; 5400;occ; 80; 0;44576
16; 3076.7; 09-SEP-2010 04:49:55; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;44576
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3; -1394.3; 09-SEP-2010 05:16:00; Dark ; 51.5; 170; 27Eps Gem ; 3.00; 9700;occ; 103; 0;44576
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5; -1080.4; 09-SEP-2010 05:21:14; Dark ; 55.5; 8; 10Alp CMi ; 0.40; 6500;occ; 111; 0;44576
6; -580.5; 09-SEP-2010 05:29:34; Dark ; 60.5; 1; 9Alp CMA ; -1.44; 11000;occ; 121; 0;44576
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8; -305.1; 09-SEP-2010 05:34:09; Dark ; 44.0; 177; 1Zet CMA ; 3.02; 26000;occ; 88; 0;44576
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13; 1358.4; 09-SEP-2010 06:01:53; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;44577
14; 2203.0; 09-SEP-2010 06:15:57; Bright; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;44577
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3; -1393.9; 09-SEP-2010 06:56:36; Dark ; 55.0; 170; 27Eps Gem ; 3.00; 9700;occ; 110; 0;44577
4; -1191.4; 09-SEP-2010 06:59:59; Dark ; 54.0; 44; 24Gam Gem ; 1.93; 11000;occ; 108; 0;44577
5; -1080.2; 09-SEP-2010 07:01:50; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;44577
6; -579.6; 09-SEP-2010 07:10:11; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;44577
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8; -304.0; 09-SEP-2010 07:14:46; Dark ; 45.5; 177; 1Zet CMA ; 3.02; 26000;occ; 91; 0;44577
9; -216.3; 09-SEP-2010 07:16:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44577
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13; 5820.5; 09-SEP-2010 08:56:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44578
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3; 3015.7; 09-SEP-2010 11:31:18; Bright; 72.5; 53; 43Bet And ; 2.05; 3300;occ; 145; 0;44580
4; 3260.5; 09-SEP-2010 11:35:23; Bright; 45.5; 110; 37Del Cas ; 2.68; 8900;occ; 91; 0;44580
5; 3391.3; 09-SEP-2010 11:37:33; Bright; 77.5; 73; 57Gam1And ; 2.26; 13100;occ; 155; 0;44580
6; 3593.4; 09-SEP-2010 11:40:55; Bright; 58.0; 160; 23Gam Per ; 2.93; 4700;occ; 116; 0;44580
7; 3719.8; 09-SEP-2010 11:43:02; Bright; 68.5; 35; 33Alp Per ; 1.79; 6250;occ; 137; 0;44580
8; 3834.2; 09-SEP-2010 11:44:56; Bright; 68.0; 175; 39Del Per ; 3.01; 19400;occ; 136; 0;44580
9; 4118.1; 09-SEP-2010 11:49:40; Bright; 65.0; 6; 13Alp Aur ; 0.08; 3400;occ; 130; 0;44580
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13; 5189.9; 09-SEP-2010 12:07:32; Dark ; 100.0; 14; 58Alp Ori ; 0.87; 3000;occ; 200; 0;44580
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3; 3589.5; 09-SEP-2010 18:23:15; Bright; 59.5; 160; 23Gam Per ; 2.93; 4700;occ; 119; 0;44584
4; 4116.7; 09-SEP-2010 18:32:03; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;44584
5; 4378.0; 09-SEP-2010 18:36:24; Bright; 49.0; 107; 37The Aur ; 2.65; 11000;occ; 98; 0;44584
6; 5954.5; 09-SEP-2010 19:02:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44584
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4; 4377.8; 09-SEP-2010 20:17:00; Bright; 54.0; 107; 37The Aur ; 2.65; 11000;occ; 108; 0;44585
5; 5955.8; 09-SEP-2010 20:43:18; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44585
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3; 637.0; 10-SEP-2010 06:58:50; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;44592

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3; 4377.5; 10-SEP-2010 09:41:47; Bright; 34.5; 107; 37The Aur ; 2.65; 11000;occ; 69; 0;44593
4; 5967.2; 10-SEP-2010 10:08:16; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44593
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4; 4112.3; 10-SEP-2010 11:17:57; Bright; 17.5; 6; 13Alp Aur ; 0.08; 3400;occ; 35; 0;44594
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8; 6677.0; 10-SEP-2010 12:00:42; Dark ; 57.5; 157; The1Eri ; 2.91; 9300;occ; 115; 0;44595
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6; 3023.0; 16-SEP-2010 21:14:53; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44686
7; 3129.8; 16-SEP-2010 21:16:40; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;44686
8; 4482.9; 16-SEP-2010 21:39:13; Bright; 44.5; 24; 66Alp Gem ; 1.58; 10200;occ; 89; 0;44686
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7; 728.9; 16-SEP-2010 22:17:15; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;44687
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 3; 1069.1; 16-SEP-2010 10:38:43; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;44680
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11; 5910.1; 16-SEP-2010 13:40:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44681
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13; 6676.8; 16-SEP-2010 13:52:47; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;44682
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13; 6062.4; 16-SEP-2010 15:23:08; Dark ; 55.5; 2; Alp Car ; -0.74; 7000;occ; 111; 0;44683
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13; 6063.3; 16-SEP-2010 17:03:45; Dark ; 48.0; 2; Alp Car ; -0.74; 7000;occ; 96; 0;44684
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4; 2531.6; 16-SEP-2010 17:45:30; Bright; 37.0; 58; 21Alp And ; 2.07; 11000;occ; 74; 0;44684
5; 3023.9; 16-SEP-2010 17:53:42; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44684
6; 3131.0; 16-SEP-2010 17:55:29; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;44684
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9; 5452.6; 16-SEP-2010 18:34:11; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44684
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14; 6678.1; 16-SEP-2010 18:54:36; Dark ; 40.5; 143; Alp Hyi ; 2.86; 7200;occ; 81; 0;44685
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3; -344.0; 16-SEP-2010 23:39:58; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;44687
4; -120.1; 16-SEP-2010 23:43:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44687
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5; 2530.9; 16-SEP-2010 19:26:05; Bright; 37.0; 58; 21Alp And ; 2.07; 11000;occ; 74; 0;44685
6; 3023.6; 16-SEP-2010 19:34:18; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44685
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15; 6678.7; 16-SEP-2010 20:35:13; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;44686
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6; 644.3; 17-SEP-2010 01:37:02; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;44689

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13; 3021.5; 17-SEP-2010 02:16:39; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;44689
14; 3128.1; 17-SEP-2010 02:18:25; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44689
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16; 5009.8; 17-SEP-2010 02:49:47; Dark ; 53.0; 8; 10Alp CMi ; 0.40; 6500;occ; 106; 0;44689
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8; -117.3; 17-SEP-2010 04:45:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44690
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4; 2482.5; 22-SEP-2010 16:15:33; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;44769
5; 2989.7; 22-SEP-2010 16:24:00; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44769
6; 3086.1; 22-SEP-2010 16:25:37; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44769
7; 4494.4; 22-SEP-2010 16:49:05; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;44769
8; 5059.4; 22-SEP-2010 16:58:30; Dark ; 65.5; 8; 10Alp CMi ; 0.40; 6500;occ; 131; 0;44769
9; 5499.4; 22-SEP-2010 17:05:50; Dark ; 43.5; 132; 15Rho Pup ; 2.80; 6900;occ; 87; 0;44769
10; 5699.3; 22-SEP-2010 17:09:10; Dark ; 48.5; 37; 25Del CMa ; 1.83; 5900;occ; 97; 0;44769
11; 5811.3; 22-SEP-2010 17:11:02; Dark ; 42.5; 117; Pi Pup ; 2.71; 3800;occ; 85; 0;44769
12; 5997.6; 22-SEP-2010 17:14:08; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44769
13; 6119.3; 22-SEP-2010 17:16:10; Dark ; 45.0; 2; Alp Car ;-0.74; 7000;occ; 90; 0;44770
14; 6804.3; 22-SEP-2010 17:27:35; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;44770
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4; 2393.6; 22-SEP-2010 17:54:40; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;44770
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7; 3085.7; 22-SEP-2010 18:06:12; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44770
8; 4494.5; 22-SEP-2010 18:29:41; Bright; 56.0; 24; 66Alp Gem ; 1.58; 10200;occ; 112; 0;44770
9; 5060.1; 22-SEP-2010 18:39:07; Dark ; 55.0; 8; 10Alp CMi ; 0.40; 6500;occ; 110; 0;44770
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 9; 5060.7; 22-SEP-2010 20:19:43; Dark ; 55.0; 8; 10Alp CMI ; 0.40; 6500;occ; 110; 0;44771
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12; 5812.7; 22-SEP-2010 20:32:16; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;44771
13; 5999.6; 22-SEP-2010 20:35:22; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44771
14; 6120.3; 22-SEP-2010 20:37:23; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 0;44772
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 2; -331.8; 23-SEP-2010 01:32:14; Dark ; 51.5; 37; 25Del CMA ; 1.83; 5900;occ; 103; 0;44774
 3; -220.7; 23-SEP-2010 01:34:06; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;44774
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 5; 86.6; 23-SEP-2010 01:39:13; Dark ; 56.5; 2; Alp Car ; -0.74; 7000;occ; 113; 0;44775
 6; 770.4; 23-SEP-2010 01:50:37; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44775
 7; 1104.5; 23-SEP-2010 01:56:11; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;44775
 8; 1541.3; 23-SEP-2010 02:03:28; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;44775
 9; 2167.9; 23-SEP-2010 02:13:54; Bright; 37.5; 90; 54Alp Peg ; 2.49; 11000;occ; 75; 0;44775
10; 2392.9; 23-SEP-2010 02:17:39; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;44775
11; 2479.5; 23-SEP-2010 02:19:06; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;44775
12; 2987.5; 23-SEP-2010 02:27:34; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;44775
13; 3083.1; 23-SEP-2010 02:29:09; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;44775
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 2; -972.4; 23-SEP-2010 03:02:10; Dark ; 60.0; 8; 10Alp CMI ; 0.40; 6500;occ; 120; 0;44775
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 8; 771.0; 23-SEP-2010 03:31:13; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;44776
 9; 1105.0; 23-SEP-2010 03:36:47; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;44776
10; 1541.6; 23-SEP-2010 03:44:04; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;44776
11; 2168.1; 23-SEP-2010 03:54:30; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;44776
12; 2392.9; 23-SEP-2010 03:58:15; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;44776
13; 2479.0; 23-SEP-2010 03:59:41; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;44776
14; 2987.2; 23-SEP-2010 04:08:09; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44776
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 2; -971.8; 23-SEP-2010 04:42:46; Dark ; 60.5; 8; 10Alp CMI ; 0.40; 6500;occ; 121; 0;44776
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 4; -342.5; 23-SEP-2010 04:53:16; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;44776
 5; -260.4; 23-SEP-2010 04:54:38; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;44776
 6; -121.5; 23-SEP-2010 04:56:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44776
 7; 5.4; 23-SEP-2010 04:59:04; Dark ; 44.0; 161; Tau Pup ; 2.93; 4500;occ; 88; 0;44776
 8; 87.9; 23-SEP-2010 05:00:26; Dark ; 57.5; 2; Alp Car ; -0.74; 7000;occ; 115; 0;44777
 9; 771.5; 23-SEP-2010 05:11:50; Dark ; 51.5; 9; Alp Eri ; 0.45; 24000;occ; 103; 0;44777
10; 1105.3; 23-SEP-2010 05:17:23; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;44777
11; 1541.6; 23-SEP-2010 05:24:40; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;44777
12; 2168.0; 23-SEP-2010 05:35:06; Bright; 37.5; 90; 54Alp Peg ; 2.49; 11000;occ; 75; 0;44777
13; 2392.9; 23-SEP-2010 05:38:51; Bright; 40.5; 93; 53Bet Peg ; 2.52; 3100;occ; 81; 0;44777
14; 2478.6; 23-SEP-2010 05:40:17; Bright; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;44777
15; 2986.6; 23-SEP-2010 05:48:45; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44777
16; 3082.2; 23-SEP-2010 05:50:20; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44777

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1;	1542.4;	23-SEP-2010	15:28:16;	Dark	;	54.0;	52;	16Bet	Cet	;	2.04;	4500;	occ;	108;	0;	44783
2;	2167.7;	23-SEP-2010	15:38:41;	Bright;	;	38.5;	90;	54Alp	Peg	;	2.49;	11000;	occ;	77;	0;	44783
3;	2392.2;	23-SEP-2010	15:42:26;	Bright;	;	39.5;	93;	53Bet	Peg	;	2.52;	3100;	occ;	79;	0;	44783
4;	2475.7;	23-SEP-2010	15:43:49;	Bright;	;	43.0;	58;	21Alp	And	;	2.07;	11000;	occ;	86;	0;	44783
5;	2984.7;	23-SEP-2010	15:52:18;	Bright;	;	37.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	75;	0;	44783
6;	3079.6;	23-SEP-2010	15:53:53;	Bright;	;	41.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	83;	0;	44783
7;	4496.5;	23-SEP-2010	16:17:30;	Bright;	;	47.5;	24;	66Alp	Gem	;	1.58;	10200;	occ;	95;	0;	44783
8;	5069.5;	23-SEP-2010	16:27:03;	Dark	;	69.0;	8;	10Alp	CMI	;	0.40;	6500;	occ;	138;	0;	44783
9;	5508.2;	23-SEP-2010	16:34:22;	Dark	;	40.5;	132;	15Rho	Pup	;	2.80;	6900;	occ;	81;	0;	44783
10;	5681.4;	23-SEP-2010	16:37:15;	Dark	;	67.0;	1;	9Alp	CMA	;	-1.44;	11000;	occ;	134;	0;	44783
11;	5782.9;	23-SEP-2010	16:38:56;	Dark	;	46.5;	23;	21Eps	CMA	;	1.50;	26000;	occ;	93;	0;	44783
12;	5919.0;	23-SEP-2010	16:41:13;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	44783
13;	6046.0;	23-SEP-2010	16:43:20;	Dark	;	43.0;	161;	Tau	Pup	;	2.93;	4500;	occ;	86;	0;	44784
14;	6183.2;	23-SEP-2010	16:45:37;	Dark	;	54.0;	108;	Alp	Col	;	2.65;	15200;	occ;	108;	0;	44784
15;	6864.6;	23-SEP-2010	16:56:58;	Dark	;	51.5;	157;	The1Eri		;	2.91;	9300;	occ;	103;	0;	44784
16;	7143.8;	23-SEP-2010	17:01:37;	Dark	;	45.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	90;	0;	44784

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2;	2167.8;	23-SEP-2010	17:19:17;	Bright;	;	38.0;	90;	54Alp	Peg	;	2.49;	11000;	occ;	76;	0;	44784
3;	2391.8;	23-SEP-2010	17:23:01;	Bright;	;	40.5;	93;	53Bet	Peg	;	2.52;	3100;	occ;	81;	0;	44784
4;	2475.3;	23-SEP-2010	17:24:25;	Bright;	;	43.0;	58;	21Alp	And	;	2.07;	11000;	occ;	86;	0;	44784
5;	2984.2;	23-SEP-2010	17:32:54;	Bright;	;	40.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	81;	0;	44784
6;	3079.0;	23-SEP-2010	17:34:29;	Bright;	;	40.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	81;	0;	44784
7;	4496.5;	23-SEP-2010	17:58:06;	Bright;	;	49.5;	24;	66Alp	Gem	;	1.58;	10200;	occ;	99;	0;	44784
8;	5070.1;	23-SEP-2010	18:07:40;	Dark	;	63.5;	8;	10Alp	CMI	;	0.40;	6500;	occ;	127;	0;	44784
9;	5508.9;	23-SEP-2010	18:14:58;	Dark	;	42.0;	132;	15Rho	Pup	;	2.80;	6900;	occ;	84;	0;	44784
10;	5682.8;	23-SEP-2010	18:17:52;	Dark	;	61.0;	1;	9Alp	CMA	;	-1.44;	11000;	occ;	122;	0;	44784
11;	5783.8;	23-SEP-2010	18:19:33;	Dark	;	54.0;	23;	21Eps	CMA	;	1.50;	26000;	occ;	108;	0;	44784
12;	5919.7;	23-SEP-2010	18:21:49;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	44784
13;	6046.8;	23-SEP-2010	18:23:56;	Dark	;	43.0;	161;	Tau	Pup	;	2.93;	4500;	occ;	86;	0;	44785
14;	6184.6;	23-SEP-2010	18:26:14;	Dark	;	55.5;	108;	Alp	Col	;	2.65;	15200;	occ;	111;	0;	44785
15;	6865.4;	23-SEP-2010	18:37:35;	Dark	;	51.0;	157;	The1Eri		;	2.91;	9300;	occ;	102;	0;	44785
16;	7144.0;	23-SEP-2010	18:42:14;	Dark	;	16.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	32;	0;	44785

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2;	1542.9;	23-SEP-2010	18:49:28;	Dark	;	53.5;	52;	16Bet	Cet	;	2.04;	4500;	occ;	107;	0;	44785
3;	2167.5;	23-SEP-2010	18:59:53;	Bright;	;	37.5;	90;	54Alp	Peg	;	2.49;	11000;	occ;	75;	0;	44785
4;	2391.7;	23-SEP-2010	19:03:37;	Bright;	;	38.0;	93;	53Bet	Peg	;	2.52;	3100;	occ;	76;	0;	44785
5;	2474.9;	23-SEP-2010	19:05:00;	Bright;	;	42.0;	58;	21Alp	And	;	2.07;	11000;	occ;	84;	0;	44785
6;	2984.0;	23-SEP-2010	19:13:30;	Bright;	;	41.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	83;	0;	44785
7;	3078.3;	23-SEP-2010	19:15:04;	Bright;	;	42.0;	76;	27Gam	Cas	;	2.30;	30000;	occ;	84;	0;	44785
8;	4496.8;	23-SEP-2010	19:38:42;	Bright;	;	48.5;	24;	66Alp	Gem	;	1.58;	10200;	occ;	97;	0;	44785
9;	5070.8;	23-SEP-2010	19:48:16;	Dark	;	71.0;	8;	10Alp	CMI	;	0.40;	6500;	occ;	142;	0;	44785
10;	5509.3;	23-SEP-2010	19:55:35;	Dark	;	41.5;	132;	15Rho	Pup	;	2.80;	6900;	occ;	83;	0;	44785
11;	5683.9;	23-SEP-2010	19:58:29;	Dark	;	61.0;	1;	9Alp	CMA	;	-1.44;	11000;	occ;	122;	0;	44785
12;	5784.9;	23-SEP-2010	20:00:10;	Dark	;	49.0;	23;	21Eps	CMA	;	1.50;	26000;	occ;	98;	0;	44785
13;	5920.3;	23-SEP-2010	20:02:26;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	44785
14;	6047.4;	23-SEP-2010	20:04:33;	Dark	;	51.0;	161;	Tau	Pup	;	2.93;	4500;	occ;	102;	0;	44786
15;	6185.8;	23-SEP-2010	20:06:51;	Dark	;	55.5;	108;	Alp	Col	;	2.65;	15200;	occ;	111;	0;	44786
16;	6866.3;	23-SEP-2010	20:18:12;	Dark	;	51.0;	157;	The1Eri		;	2.91;	9300;	occ;	102;	0;	44786

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2;	2166.8;	24-SEP-2010	20:08:51;	Bright;	;	37.5;	90;	54Alp	Peg	;	2.49;	11000;	occ;	75;	0;	44800
3;	2390.0;	24-SEP-2010	20:12:34;	Bright;	;	39.0;	93;	53Bet	Peg	;	2.52;	3100;	occ;	78;	0;	44800
4;	2978.5;	24-SEP-2010	20:22:23;	Bright;	;	41.0;	74;	11Bet	Cas	;	2.27;	6600;	occ;	82;	0;	44800
5;	3071.1;	24-SEP-2010	20:23:55;	Bright;	;	42.0;	76;	27Gam	Cas	;	2.30;	30000;	occ;	84;	0;	44800
6;	4498.7;	24-SEP-2010	20:47:43;	Bright;	;	51.0;	24;	66Alp	Gem	;	1.58;	10200;	occ;	102;	0;	44800

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1;	-953.9;	24-SEP-2010	20:57:26;	Dark	;	73.0;	8;	10Alp	CMI	;	0.40;	6500;	occ;	146;	0;	44800
2;	-516.9;	24-SEP-2010	21:04:43;	Dark	;	45.0;	132;	15Rho	Pup	;	2.80;	6900;	occ;	90;	0;	44800
3;	-321.7;	24-SEP-2010	21:07:59;	Dark	;	43.0;	88;	31Eta	CMA	;	2.45;	20000;	occ;	86;	0;	44800
4;	-235.2;	24-SEP-2010	21:09:25;	Dark	;	50.0;	23;	21Eps	CMA	;	1.50;	26000;	occ;	100;	0;	44800
5;	-105.9;	24-SEP-2010	21:11:34;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	44800
6;	171.0;	24-SEP-2010	21:16:11;	Dark	;	56.5;	108;	Alp	Col	;	2.65;	15200;	occ;	113;	0;	44801
7;	842.9;	24-SEP-2010	21:27:23;	Dark	;	53.0;	157;	The1Eri		;	2.91;	9300;	occ;	106;	0;	44801
8;	1544.9;	24-SEP-2010	21:39:05;	Dark	;	55.0;	52;	16Bet	Cet	;	2.04;	4500;	occ;	110;	0;	44801
9;	2166.6;	24-SEP-2010	21:49:27;	Bright;	;	37.5;	90;	54Alp	Peg	;	2.49;	11000;	occ;	75;	0;	44801

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11; 2978.1; 24-SEP-2010 22:02:58; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44801
12; 3070.6; 24-SEP-2010 22:04:31; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;44801
13; 4498.8; 24-SEP-2010 22:28:19; Bright; 52.5; 24; 66Alp Gem ; 1.58; 10200;occ; 105; 0;44801
14; 5082.6; 24-SEP-2010 22:38:03; Dark ; 61.5; 8; 10Alp CMi ; 0.40; 6500;occ; 123; 0;44801
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 2; -234.4; 24-SEP-2010 22:50:02; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;44801
 3; -105.2; 24-SEP-2010 22:52:11; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44801
 4; 172.6; 24-SEP-2010 22:56:49; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;44802
 5; 843.7; 24-SEP-2010 23:08:00; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;44802
 6; 1544.9; 24-SEP-2010 23:19:41; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;44802
 7; 2210.3; 24-SEP-2010 23:30:46; Bright; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;44802
 8; 2389.7; 24-SEP-2010 23:33:46; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;44802
 9; 2977.7; 24-SEP-2010 23:43:34; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44802
10; 3070.2; 24-SEP-2010 23:45:06; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44802
11; 4498.9; 25-SEP-2010 00:08:55; Bright; 71.0; 24; 66Alp Gem ; 1.58; 10200;occ; 142; 0;44802
12; 5083.3; 25-SEP-2010 00:18:39; Dark ; 58.5; 8; 10Alp CMi ; 0.40; 6500;occ; 117; 0;44802
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 2; -960.0; 24-SEP-2010 07:32:33; Dark ; 67.0; 8; 10Alp CMi ; 0.40; 6500;occ; 134; 0;44792
 3; -522.2; 24-SEP-2010 07:39:51; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44792
 4; -341.9; 24-SEP-2010 07:42:51; Dark ; 36.0; 1; 9Alp CMA ; -1.44; 11000;occ; 72; 0;44792
 5; -243.9; 24-SEP-2010 07:44:29; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;44792
 6; -111.1; 24-SEP-2010 07:46:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44792
 7; 16.1; 24-SEP-2010 07:48:49; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;44793
 8; 159.9; 24-SEP-2010 07:51:13; Dark ; 54.5; 108; Alp Col ; 2.65; 15200;occ; 109; 0;44793
 9; 836.4; 24-SEP-2010 08:02:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;44793
10; 1543.9; 24-SEP-2010 08:14:17; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;44793
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 2; 2391.0; 24-SEP-2010 08:28:24; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;44793
 3; 2471.0; 24-SEP-2010 08:29:44; Bright; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;44793
 4; 2981.1; 24-SEP-2010 08:38:14; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;44793
 5; 3074.6; 24-SEP-2010 08:39:47; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;44793
 6; 4497.9; 24-SEP-2010 09:03:31; Bright; 49.5; 24; 66Alp Gem ; 1.58; 10200;occ; 99; 0;44793
 7; 5076.7; 24-SEP-2010 09:13:10; Dark ; 58.5; 8; 10Alp CMi ; 0.40; 6500;occ; 117; 0;44793
 8; 5514.5; 24-SEP-2010 09:20:27; Dark ; 43.5; 132; 15Rho Pup ; 2.80; 6900;occ; 87; 0;44793
 9; 5695.5; 24-SEP-2010 09:23:28; Dark ; 36.0; 1; 9Alp CMA ; -1.44; 11000;occ; 72; 0;44793
10; 5793.1; 24-SEP-2010 09:25:06; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;44793
11; 5925.5; 24-SEP-2010 09:27:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44793
12; 6052.7; 24-SEP-2010 09:29:26; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;44794
13; 6197.1; 24-SEP-2010 09:31:50; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;44794
14; 6873.2; 24-SEP-2010 09:43:06; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44794
15; 7579.9; 24-SEP-2010 09:54:53; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;44794
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 2; 2390.8; 24-SEP-2010 10:09:00; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;44794
 3; 2470.6; 24-SEP-2010 10:10:19; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;44794
 4; 2980.6; 24-SEP-2010 10:18:49; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44794
 5; 3074.0; 24-SEP-2010 10:20:23; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44794
 6; 4498.1; 24-SEP-2010 10:44:07; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;44794
 7; 5077.4; 24-SEP-2010 10:53:46; Dark ; 61.0; 8; 10Alp CMi ; 0.40; 6500;occ; 122; 0;44794
 8; 5515.2; 24-SEP-2010 11:01:04; Dark ; 41.5; 132; 15Rho Pup ; 2.80; 6900;occ; 83; 0;44794
 9; 5696.9; 24-SEP-2010 11:04:06; Dark ; 30.0; 1; 9Alp CMA ; -1.44; 11000;occ; 60; 0;44794
10; 5794.3; 24-SEP-2010 11:05:43; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;44794
11; 5926.1; 24-SEP-2010 11:07:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44794
12; 6053.3; 24-SEP-2010 11:10:02; Dark ; 43.0; 161; Tau Pup ; 2.93; 4500;occ; 86; 0;44795
13; 6198.6; 24-SEP-2010 11:12:27; Dark ; 55.0; 108; Alp Col ; 2.65; 15200;occ; 110; 0;44795
14; 6873.9; 24-SEP-2010 11:23:43; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44795
15; 7579.9; 24-SEP-2010 11:35:29; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;44795
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 2; 2390.8; 24-SEP-2010 11:49:35; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;44795
 3; 2470.0; 24-SEP-2010 11:50:55; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;44795
 4; 2980.2; 24-SEP-2010 11:59:25; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;44795
 5; 3073.6; 24-SEP-2010 12:00:58; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;44795
 6; 4498.1; 24-SEP-2010 12:24:43; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;44795

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8; 5515.9; 24-SEP-2010 12:41:41; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44795
9; 5698.3; 24-SEP-2010 12:44:43; Dark ; 30.0; 1; 9Alp CMA ; -1.44; 11000;occ; 60; 0;44795
10; 5795.3; 24-SEP-2010 12:46:20; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;44795
11; 5926.7; 24-SEP-2010 12:48:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44795
12; 6053.9; 24-SEP-2010 12:50:39; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;44796
13; 6199.9; 24-SEP-2010 12:53:05; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;44796
14; 6874.8; 24-SEP-2010 13:04:19; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44796
15; 7580.2; 24-SEP-2010 13:16:05; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;44796
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3; 2980.0; 24-SEP-2010 13:40:00; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;44796
4; 3073.1; 24-SEP-2010 13:41:34; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;44796
5; 4498.3; 24-SEP-2010 14:05:19; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;44796
6; 5078.9; 24-SEP-2010 14:14:59; Dark ; 68.5; 8; 10Alp CMI ; 0.40; 6500;occ; 137; 0;44796
7; 5516.5; 24-SEP-2010 14:22:17; Dark ; 43.5; 132; 15Rho Pup ; 2.80; 6900;occ; 87; 0;44796
8; 5710.7; 24-SEP-2010 14:25:31; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;44796
9; 5796.5; 24-SEP-2010 14:26:57; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;44796
10; 5927.4; 24-SEP-2010 14:29:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44796
11; 6054.7; 24-SEP-2010 14:31:15; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;44797
12; 6201.5; 24-SEP-2010 14:33:42; Dark ; 55.5; 108; Alp Col ; 2.65; 15200;occ; 111; 0;44797
13; 6875.8; 24-SEP-2010 14:44:56; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44797
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3; 2979.8; 24-SEP-2010 15:20:36; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;44797
4; 3072.8; 24-SEP-2010 15:22:09; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;44797
5; 4498.5; 24-SEP-2010 15:45:55; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;44797
6; 5079.8; 24-SEP-2010 15:55:36; Dark ; 71.5; 8; 10Alp CMI ; 0.40; 6500;occ; 143; 0;44797
7; 5517.2; 24-SEP-2010 16:02:54; Dark ; 46.0; 132; 15Rho Pup ; 2.80; 6900;occ; 92; 0;44797
8; 5711.6; 24-SEP-2010 16:06:08; Dark ; 44.5; 88; 31Eta CMA ; 2.45; 20000;occ; 89; 0;44797
9; 5797.6; 24-SEP-2010 16:07:34; Dark ; 60.0; 23; 21Eps CMA ; 1.50; 26000;occ; 120; 0;44797
10; 5928.2; 24-SEP-2010 16:09:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44797
11; 6055.4; 24-SEP-2010 16:11:52; Dark ; 44.0; 161; Tau Pup ; 2.93; 4500;occ; 88; 0;44798
12; 6203.1; 24-SEP-2010 16:14:19; Dark ; 54.5; 108; Alp Col ; 2.65; 15200;occ; 109; 0;44798
13; 6876.6; 24-SEP-2010 16:25:33; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44798
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3; 2390.4; 24-SEP-2010 16:51:23; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;44798
4; 2979.2; 24-SEP-2010 17:01:12; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;44798
5; 3072.2; 24-SEP-2010 17:02:45; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44798
6; 4498.5; 24-SEP-2010 17:26:31; Bright; 47.0; 24; 66Alp Gem ; 1.58; 10200;occ; 94; 0;44798
7; 5080.4; 24-SEP-2010 17:36:13; Dark ; 64.5; 8; 10Alp CMI ; 0.40; 6500;occ; 129; 0;44798
8; 5517.9; 24-SEP-2010 17:43:30; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;44798
9; 5712.6; 24-SEP-2010 17:46:45; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;44798
10; 5798.8; 24-SEP-2010 17:48:11; Dark ; 56.0; 23; 21Eps CMA ; 1.50; 26000;occ; 112; 0;44798
11; 5928.8; 24-SEP-2010 17:50:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44798
12; 6056.1; 24-SEP-2010 17:52:28; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;44799
13; 6204.5; 24-SEP-2010 17:54:57; Dark ; 55.5; 108; Alp Col ; 2.65; 15200;occ; 111; 0;44799
14; 6877.4; 24-SEP-2010 18:06:10; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44799
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3; 2390.1; 24-SEP-2010 18:31:59; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;44799
4; 2978.8; 24-SEP-2010 18:41:47; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;44799
5; 3071.7; 24-SEP-2010 18:43:20; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44799
6; 4498.7; 24-SEP-2010 19:07:07; Bright; 70.0; 24; 66Alp Gem ; 1.58; 10200;occ; 140; 0;44799
7; 5081.2; 24-SEP-2010 19:16:50; Dark ; 66.5; 8; 10Alp CMI ; 0.40; 6500;occ; 133; 0;44799
8; 5518.4; 24-SEP-2010 19:24:07; Dark ; 44.5; 132; 15Rho Pup ; 2.80; 6900;occ; 89; 0;44799
9; 5713.4; 24-SEP-2010 19:27:22; Dark ; 44.5; 88; 31Eta CMA ; 2.45; 20000;occ; 89; 0;44799
10; 5799.6; 24-SEP-2010 19:28:48; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;44799
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12; 6056.7; 24-SEP-2010 19:33:05; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;44800
13; 6206.0; 24-SEP-2010 19:35:34; Dark ; 55.0; 108; Alp Col ; 2.65; 15200;occ; 110; 0;44800
14; 6878.3; 24-SEP-2010 19:46:47; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44800
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13; 6227.2; 25-SEP-2010 20:44:54; Dark ; 57.0; 108; Alp Col ; 2.65; 15200;occ; 114; 0;44815
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 6; 193.0; 25-SEP-2010 22:25:32; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;44816
 7; 855.5; 25-SEP-2010 22:36:35; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44816
 8; 1547.0; 25-SEP-2010 22:48:06; Dark ; 52.0; 52; 16Bet Cet ; 2.04; 4500;occ; 104; 0;44816
 9; 2205.5; 25-SEP-2010 22:59:05; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;44816

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8; 198.6; 26-SEP-2010 05:08:01; Dark ; 55.5; 108; Alp Col ; 2.65; 15200;occ; 111; 0;44820
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8; 2189.7; 29-SEP-2010 22:32:56; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;44873
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7; 904.6; 30-SEP-2010 06:34:30; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44878
8; 1555.6; 30-SEP-2010 06:45:21; Dark ; 52.0; 52; 16Bet Cet ; 2.04; 4500;occ; 104; 0;44878
9; 2188.5; 30-SEP-2010 06:55:54; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;44878
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3; 2436.6; 30-SEP-2010 20:24:50; Bright; 39.0; 58; 21Alp And ; 2.07; 11000;occ; 78; 0;44886
4; 2664.5; 30-SEP-2010 20:28:38; Bright; 47.5; 53; 43Bet And ; 2.05; 3300;occ; 95; 0;44886
5; 2952.7; 30-SEP-2010 20:33:26; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44886
6; 3033.8; 30-SEP-2010 20:34:47; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;44886
7; 4511.6; 30-SEP-2010 20:59:25; Bright; 46.0; 24; 66Alp Gem ; 1.58; 10200;occ; 92; 0;44886
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7; 911.4; 30-SEP-2010 21:40:01; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44887
8; 1556.4; 30-SEP-2010 21:50:46; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;44887
9; 2186.4; 30-SEP-2010 22:01:16; Bright; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;44887
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15; 4599.8; 30-SEP-2010 22:41:29; Bright; 59.0; 17; 78Bet Gem ; 1.16; 4500;occ; 118; 0;44887
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5; 299.1; 30-SEP-2010 23:10:24; Dark ; 58.0; 108; Alp Col ; 2.65; 15200;occ; 116; 0;44888
6; 912.0; 30-SEP-2010 23:20:37; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44888
7; 1556.5; 30-SEP-2010 23:31:22; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;44888
8; 2185.9; 30-SEP-2010 23:41:51; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;44888
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11; 2952.1; 30-SEP-2010 23:54:37; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;44888
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14; 4600.1; 01-OCT-2010 00:22:05; Bright; 77.0; 17; 78Bet Gem ; 1.16; 4500;occ; 154; 0;44888
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4; -131.7; 30-SEP-2010 07:57:50; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;44878
5; -51.5; 30-SEP-2010 07:59:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44878
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2; 287.2; 30-SEP-2010 09:45:25; Dark ; 59.0; 108; Alp Col ; 2.65; 15200;occ; 118; 0;44880
3; 906.2; 30-SEP-2010 09:55:44; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44880
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5; 3036.1; 30-SEP-2010 12:11:50; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44881
6; 4510.9; 30-SEP-2010 12:36:24; Bright; 57.5; 24; 66Alp Gem ; 1.58; 10200;occ; 115; 0;44881
7; 4598.3; 30-SEP-2010 12:37:52; Bright; 59.0; 17; 78Bet Gem ; 1.16; 4500;occ; 118; 0;44881
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3; 2437.9; 30-SEP-2010 13:42:27; Bright; 39.0; 58; 21Alp And ; 2.07; 11000;occ; 78; 0;44882
4; 2667.4; 30-SEP-2010 13:46:17; Bright; 50.0; 53; 43Bet And ; 2.05; 3300;occ; 100; 0;44882
5; 2953.9; 30-SEP-2010 13:51:03; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44882
6; 3035.6; 30-SEP-2010 13:52:25; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;44882
7; 4511.0; 30-SEP-2010 14:17:00; Bright; 55.5; 24; 66Alp Gem ; 1.58; 10200;occ; 111; 0;44882
8; 4598.6; 30-SEP-2010 14:18:28; Bright; 69.5; 17; 78Bet Gem ; 1.16; 4500;occ; 139; 0;44882
9; 5153.8; 30-SEP-2010 14:27:43; Dark ; 62.0; 8; 10Alp CMi ; 0.40; 6500;occ; 124; 0;44882
10; 5578.9; 30-SEP-2010 14:34:48; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44882
11; 5823.8; 30-SEP-2010 14:38:53; Dark ; 67.0; 37; 25Del CMA ; 1.83; 5900;occ; 134; 0;44882
12; 5987.4; 30-SEP-2010 14:41:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44882
13; 6199.8; 30-SEP-2010 14:45:09; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;44883
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4; 2666.8; 30-SEP-2010 15:26:52; Bright; 49.5; 53; 43Bet And ; 2.05; 3300;occ; 99; 0;44883
5; 2953.6; 30-SEP-2010 15:31:39; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44883
6; 3035.4; 30-SEP-2010 15:33:01; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;44883
7; 4511.2; 30-SEP-2010 15:57:37; Bright; 58.0; 24; 66Alp Gem ; 1.58; 10200;occ; 116; 0;44883
8; 4598.8; 30-SEP-2010 15:59:04; Bright; 65.5; 17; 78Bet Gem ; 1.16; 4500;occ; 131; 0;44883
9; 5154.9; 30-SEP-2010 16:08:20; Dark ; 62.0; 8; 10Alp CMi ; 0.40; 6500;occ; 124; 0;44883
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12; 5988.2; 30-SEP-2010 16:22:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44883
13; 6200.8; 30-SEP-2010 16:25:46; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;44884
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5; 2953.3; 30-SEP-2010 17:12:15; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;44884
6; 3034.9; 30-SEP-2010 17:13:36; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;44884
7; 4511.5; 30-SEP-2010 17:38:13; Bright; 53.0; 24; 66Alp Gem ; 1.58; 10200;occ; 106; 0;44884
8; 4599.2; 30-SEP-2010 17:39:41; Bright; 57.5; 17; 78Bet Gem ; 1.16; 4500;occ; 115; 0;44884
9; 5156.1; 30-SEP-2010 17:48:57; Dark ; 54.0; 8; 10Alp CMi ; 0.40; 6500;occ; 108; 0;44884
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4; 2665.2; 30-SEP-2010 18:48:03; Bright; 47.5; 53; 43Bet And ; 2.05; 3300;occ; 95; 0;44885
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