

GOMOS Daily Report 03-JUN-2011

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

[2. Summary of products arrived in PCF \(Product Control Facility\)](#)

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

[Level 2 products](#)

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

Item	Value
Time of report generation	06JUN2011 07:05:02
Data source version	GOMOS/5.01
Start time of products	03JUN2011 01:19:01
Stop time of products	03JUN2011 23:53:55
Store outputs in DB	Yes
Nb of level 1b prods	251
Nb of prods with errors	4

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

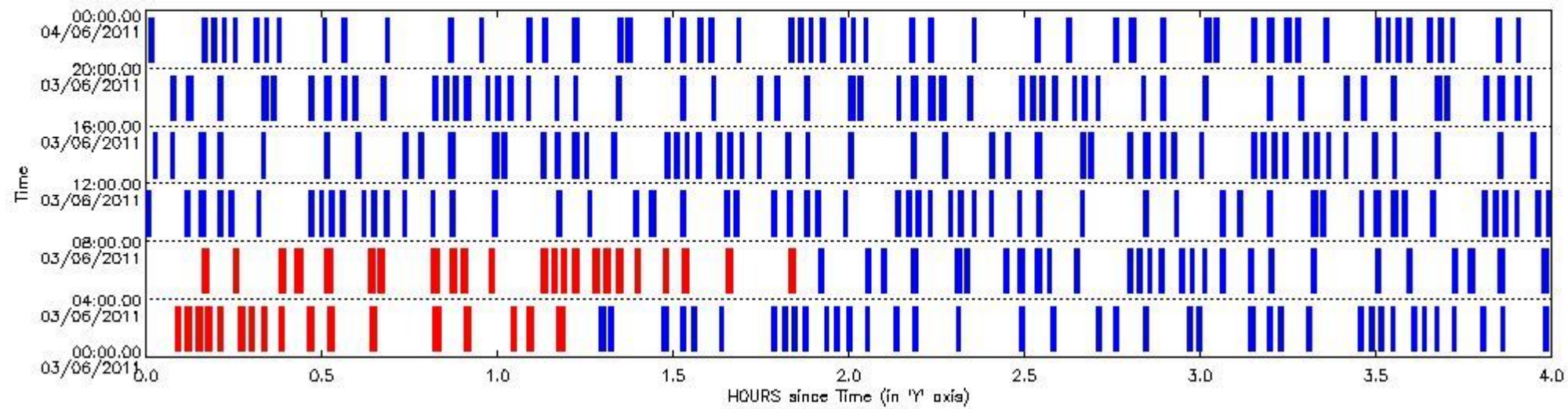
2.1 Level 0 products arrived in PCF (see template [here](#))

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
03-JUN-2011 00:04:58	AlpAra	147	48407
03-JUN-2011 00:06:40	TheSco	40	48407
03-JUN-2011 00:08:26	35LamSco	25	48407
03-JUN-2011 00:10:08	26EpsSco	75	48407
03-JUN-2011 00:12:08	23TauSco	136	48407
03-JUN-2011 00:15:39	35EtaOph	86	48407
03-JUN-2011 00:17:29	13ZetOph	98	48407
03-JUN-2011 00:19:38	1DelOph	120	48407
03-JUN-2011 00:22:38	24AlpSer	102	48407
03-JUN-2011 00:27:32	27BetHer	127	48407
03-JUN-2011 00:30:52	40ZetHer	133	48407
03-JUN-2011 00:38:12	23BetDra	130	48407
03-JUN-2011 00:49:02	5AlpCep	89	48407
03-JUN-2011 00:54:21	27GamCas	76	48407
03-JUN-2011 01:02:12	43BetAnd	53	48407

03-JUN-2011 01:04:56	21AlpAnd	58	48407
03-JUN-2011 01:10:04	88GamPeg	140	48407
03-JUN-2011 04:09:28	5AlpCep	89	48409
03-JUN-2011 04:14:49	27GamCas	76	48409
03-JUN-2011 04:22:40	43BetAnd	53	48409
03-JUN-2011 04:25:24	21AlpAnd	58	48409
03-JUN-2011 04:30:33	88GamPeg	140	48409
03-JUN-2011 04:38:03	DSA1034	0	48409
03-JUN-2011 04:39:37	16BetCet	52	48409
03-JUN-2011 04:48:43	24AlpPsA	18	48409
03-JUN-2011 04:51:45	BetGru	63	48410
03-JUN-2011 04:53:40	AlpGru	31	48410
03-JUN-2011 04:58:27	AlpPav	45	48410
03-JUN-2011 05:07:23	TheSco	40	48410
03-JUN-2011 05:09:10	35LamSco	25	48410
03-JUN-2011 05:10:51	26EpsSco	75	48410
03-JUN-2011 05:12:50	23TauSco	136	48410
03-JUN-2011 05:16:22	35EtaOph	86	48410
03-JUN-2011 05:18:11	13ZetOph	98	48410
03-JUN-2011 05:20:20	1DelOph	120	48410
03-JUN-2011 05:23:20	24AlpSer	102	48410
03-JUN-2011 05:28:13	27BetHer	127	48410
03-JUN-2011 05:31:33	40ZetHer	133	48410
03-JUN-2011 05:38:53	23BetDra	130	48410
03-JUN-2011 05:49:42	5AlpCep	89	48410

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_1PNPDE20110603_011901_000000503103_00117_48407_2183.N1	03-JUN-2011 01:19:01	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	48407	No
2	GOM_TRA_1PNPDE20110603_012805_000000543103_00117_48407_2184.N1	03-JUN-2011 01:28:05	Dark	54.000	18	24Alp PsA	1.1660	9700.0	108	48407	No
3	GOM_TRA_1PNPDE20110603_013108_000000483103_00118_48408_2185.N1	03-JUN-2011 01:31:08	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	48408	No
4	GOM_TRA_1PNPDE20110603_013303_000000473103_00118_48408_2186.N1	03-JUN-2011 01:33:03	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48408	No
5	GOM_TRA_1PNPDE20110603_013751_000000443103_00118_48408_2187.N1	03-JUN-2011 01:37:51	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48408	No
6	GOM_TRA_1PNPDE20110603_014648_000000453103_00118_48408_2188.N1	03-JUN-2011 01:46:48	Straylight	45.000	40	The Sco	1.8590	7100.0	90	48408	No
7	GOM_TRA_1PNPDE20110603_014834_000000463103_00118_48408_2189.N1	03-JUN-2011 01:48:34	Twilight_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48408	No
8	GOM_TRA_1PNPDE20110603_015016_000000473103_00118_48408_2190.N1	03-JUN-2011 01:50:16	Twilight_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	48408	No
9	GOM_TRA_1PNPDE20110603_015215_000000463103_00118_48408_2191.N1	03-JUN-2011 01:52:15	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	48408	No
10	GOM_TRA_1PNPDE20110603_015547_000000453103_00118_48408_2192.N1	03-JUN-2011 01:55:47	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	48408	No
11	GOM_TRA_1PNPDE20110603_015736_000000413103_00118_48408_2193.N1	03-JUN-2011 01:57:36	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48408	No
12	GOM_TRA_1PNPDE20110603_015946_000000393103_00118_48408_2194.N1	03-JUN-2011 01:59:46	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48408	No
13	GOM_TRA_1PNPDE20110603_020245_000000363103_00118_48408_2195.N1	03-JUN-2011 02:02:45	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	48408	No
14	GOM_TRA_1PNPDE20110603_020739_000000563103_00118_48408_2196.N1	03-JUN-2011 02:07:39	Bright	56.000	127	27Bet Her	2.7810	4700.0	112	48408	No
15	GOM_TRA_1PNPDE20110603_021059_000000443103_00118_48408_2197.N1	03-JUN-2011 02:10:59	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	48408	No
16	GOM_TRA_1PNPDE20110603_021819_000000433103_00118_48408_2198.N1	03-JUN-2011 02:18:19	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48408	No
17	GOM_TRA_1PNPDE20110603_022908_000000483103_00118_48408_2199.N1	03-JUN-2011 02:29:08	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48408	No
18	GOM_TRA_1PNPDE20110603_023428_000000513103_00118_48408_2200.N1	03-JUN-2011 02:34:28	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	48408	No
19	GOM_TRA_1PNPDE20110603_024219_000000453103_00118_48408_2201.N1	03-JUN-2011 02:42:19	Bright	45.000	53	43Bet And	2.0480	3300.0	90	48408	No
20	GOM_TRA_1PNPDE20110603_024503_000000573103_00118_48408_2202.N1	03-JUN-2011 02:45:03	Twilight_and_stray	56.500	58	21Alp And	2.0730	11000.	113	48408	No
21	GOM_TRA_1PNPDE20110603_025012_000000553103_00118_48408_2203.N1	03-JUN-2011 02:50:12	Dark	54.500	140	88Gam Peg	2.8340	26000.	109	48408	No
22	GOM_TRA_1PNPDE20110603_025915_000000503103_00118_48408_2204.N1	03-JUN-2011 02:59:15	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	48408	No
23	GOM_TRA_1PNPDE20110603_030821_000000553103_00118_48408_2205.N1	03-JUN-2011 03:08:21	Dark	54.500	18	24Alp PsA	1.1660	9700.0	109	48408	No
24	GOM_TRA_1PNPDE20110603_031123_000000563103_00119_48409_2206.N1	03-JUN-2011 03:11:23	Dark	55.500	63	Bet Gru	2.1500	2800.0	111	48409	No
25	GOM_TRA_1PNPDE20110603_031318_000000473103_00119_48409_2207.N1	03-JUN-2011 03:13:18	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48409	No
26	GOM_TRA_1PNPDE20110603_031806_000000433103_00119_48409_2208.N1	03-JUN-2011 03:18:06	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48409	No
27	GOM_TRA_1PNPDE20110603_032702_000000463103_00119_48409_2209.N1	03-JUN-2011 03:27:02	Straylight	46.000	40	The Sco	1.8590	7100.0	92	48409	No
28	GOM_TRA_1PNPDE20110603_032848_000000463103_00119_48409_2210.N1	03-JUN-2011 03:28:48	Twilight_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48409	No
29	GOM_TRA_1PNPDE20110603_033030_000000503103_00119_48409_2211.N1	03-JUN-2011 03:30:30	Twilight_and_stray	49.500	75	26Eps Sco	2.2910	4250.0	99	48409	No

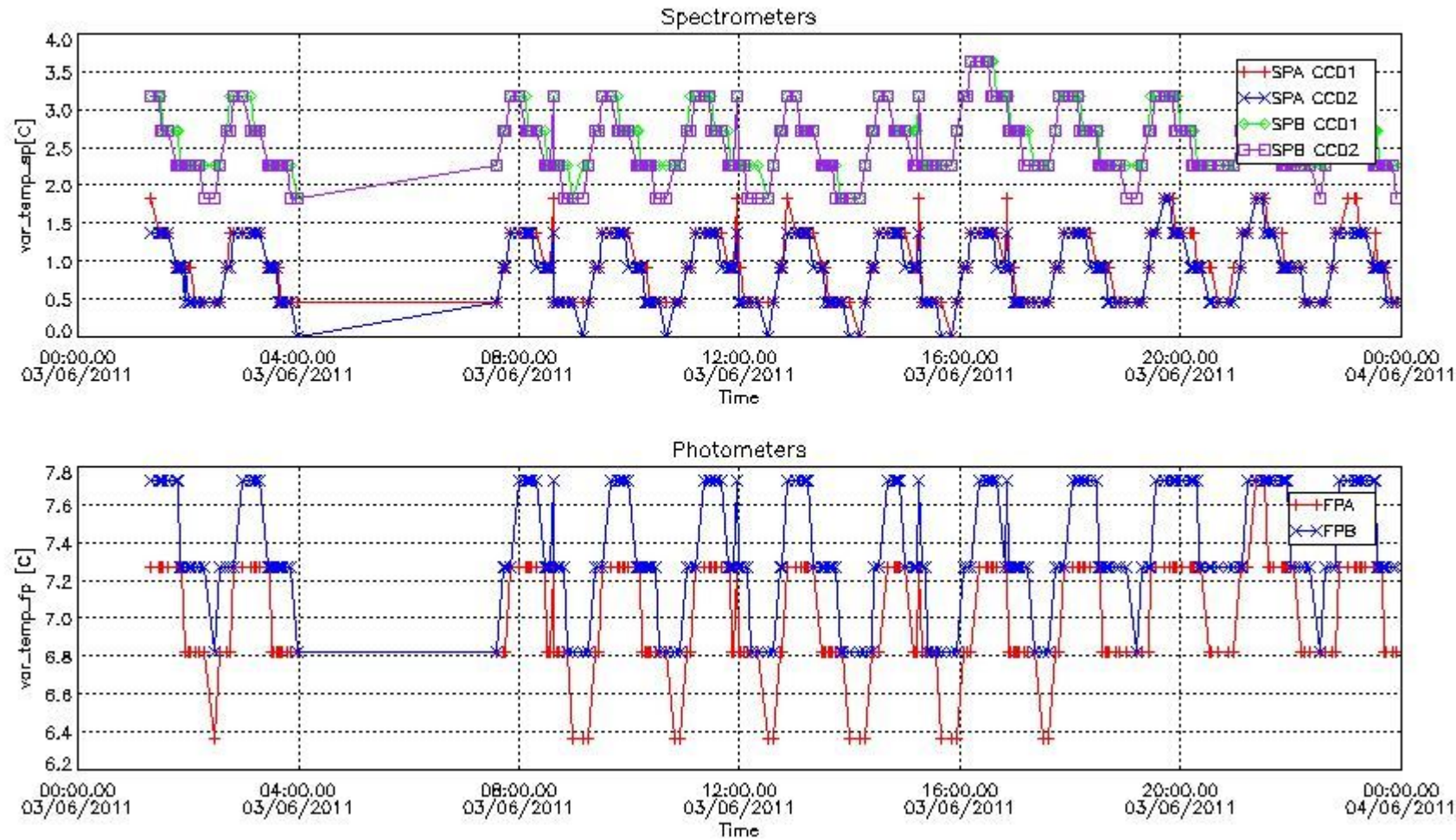
30	GOM_TRA_1PNPDE20110603_033229_000000473103_00119_48409_2212.N1	03-JUN-2011 03:32:29	Bright	46.500	136	23Tau Sco	2.8220	30000.	93	48409	No
31	GOM_TRA_1PNPDE20110603_033601_000000453103_00119_48409_2213.N1	03-JUN-2011 03:36:01	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	48409	No
32	GOM_TRA_1PNPDE20110603_033750_000000413103_00119_48409_2214.N1	03-JUN-2011 03:37:50	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48409	No
33	GOM_TRA_1PNPDE20110603_034000_000000393103_00119_48409_2215.N1	03-JUN-2011 03:40:00	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48409	No
34	GOM_TRA_1PNPDE20110603_034259_000000373103_00119_48409_2216.N1	03-JUN-2011 03:42:59	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	48409	No
35	GOM_TRA_1PNPDE20110603_034753_000000433103_00119_48409_2217.N1	03-JUN-2011 03:47:53	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	48409	No
36	GOM_TRA_1PNPDE20110603_035113_000000433103_00119_48409_2218.N1	03-JUN-2011 03:51:13	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	48409	No
37	GOM_TRA_1PNPDE20110603_035832_000000443103_00119_48409_2219.N1	03-JUN-2011 03:58:32	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	48409	No
38	GOM_TRA_1PNPDK20110603_073510_000000573103_00121_48411_8463.N1	03-JUN-2011 07:35:10	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	48411	No
39	GOM_TRA_1PNPDK20110603_074302_000000473103_00121_48411_8464.N1	03-JUN-2011 07:43:02	Bright	46.500	53	43Bet And	2.0480	3300.0	93	48411	No
40	GOM_TRA_1PNPDK20110603_074546_000000573103_00121_48411_8465.N1	03-JUN-2011 07:45:46	Twilight	56.500	58	21Alp And	2.0730	11000.	113	48411	No
41	GOM_TRA_1PNPDK20110603_075056_000000533103_00121_48411_8466.N1	03-JUN-2011 07:50:56	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	48411	No
42	GOM_TRA_1PNPDK20110603_080000_000000493103_00121_48411_8467.N1	03-JUN-2011 08:00:00	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	48411	No
43	GOM_TRA_1PNPDK20110603_080637_000000453103_00121_48411_8468.N1	03-JUN-2011 08:06:37	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	48411	No
44	GOM_TRA_1PNPDK20110603_080906_000000583103_00121_48411_8469.N1	03-JUN-2011 08:09:06	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	48411	No
45	GOM_TRA_1PNPDK20110603_081208_000000603103_00122_48412_8470.N1	03-JUN-2011 08:12:08	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	48412	No
46	GOM_TRA_1PNPDK20110603_081403_000000463103_00122_48412_8471.N1	03-JUN-2011 08:14:03	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48412	No
47	GOM_TRA_1PNPDK20110603_081850_000000423103_00122_48412_8472.N1	03-JUN-2011 08:18:50	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48412	No
48	GOM_TRA_1PNPDK20110603_082745_000000453103_00122_48412_8473.N1	03-JUN-2011 08:27:45	Straylight	44.500	40	The Sco	1.8590	7100.0	89	48412	No
49	GOM_TRA_1PNPDK20110603_082932_000000463103_00122_48412_8474.N1	03-JUN-2011 08:29:32	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	48412	No
50	GOM_TRA_1PNPDK20110603_083113_000000463103_00122_48412_8475.N1	03-JUN-2011 08:31:13	Twilight	46.000	75	26Eps Sco	2.2910	4250.0	92	48412	No
51	GOM_TRA_1PNPDK20110603_083312_000000493103_00122_48412_8476.N1	03-JUN-2011 08:33:12	Bright	49.000	136	23Tau Sco	2.8220	30000.	98	48412	No
52	GOM_TRA_1PNPDK20110603_083643_000000443103_00122_48412_8531.N1	03-JUN-2011 08:36:43	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48412	Yes
53	GOM_TRA_1PNPDK20110603_083833_000000423103_00122_48412_8532.N1	03-JUN-2011 08:38:33	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	48412	No
54	GOM_TRA_1PNPDK20110603_084042_000000383103_00122_48412_8533.N1	03-JUN-2011 08:40:42	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48412	No
55	GOM_TRA_1PNPDK20110603_084341_000000373103_00122_48412_8534.N1	03-JUN-2011 08:43:41	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	48412	No
56	GOM_TRA_1PNPDK20110603_084834_000000413103_00122_48412_8535.N1	03-JUN-2011 08:48:34	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	48412	No
57	GOM_TRA_1PNPDK20110603_085153_000000433103_00122_48412_8536.N1	03-JUN-2011 08:51:53	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	48412	No
58	GOM_TRA_1PNPDK20110603_085913_000000453103_00122_48412_8537.N1	03-JUN-2011 08:59:13	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	48412	No
59	GOM_TRA_1PNPDK20110603_091002_000000473103_00122_48412_8538.N1	03-JUN-2011 09:10:02	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48412	No
60	GOM_TRA_1PNPDK20110603_091524_000000393103_00122_48412_8539.N1	03-JUN-2011 09:15:24	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	48412	No
61	GOM_TRA_1PNPDK20110603_092316_000000483103_00122_48412_8540.N1	03-JUN-2011 09:23:16	Bright	47.500	53	43Bet And	2.0480	3300.0	95	48412	No
62	GOM_TRA_1PNPDK20110603_092600_000000583103_00122_48412_8541.N1	03-JUN-2011 09:26:00	Twilight	58.000	58	21Alp And	2.0730	11000.	116	48412	No
63	GOM_TRA_1PNPDK20110603_093110_000000543103_00122_48412_8542.N1	03-JUN-2011 09:31:10	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	48412	No
64	GOM_TRA_1PNPDK20110603_094014_000000503103_00122_48412_8543.N1	03-JUN-2011 09:40:14	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	48412	No
65	GOM_TRA_1PNPDK20110603_094652_000000493103_00122_48412_8544.N1	03-JUN-2011 09:46:52	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48412	No
66	GOM_TRA_1PNPDK20110603_094922_000000563103_00122_48412_8545.N1	03-JUN-2011 09:49:22	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	48412	No
67	GOM_TRA_1PNPDK20110603_095223_000000573103_00123_48413_8546.N1	03-JUN-2011 09:52:23	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	48413	No
68	GOM_TRA_1PNPDK20110603_095418_000000463103_00123_48413_8547.N1	03-JUN-2011 09:54:18	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48413	No
69	GOM_TRA_1PNPDK20110603_095904_000000423103_00123_48413_8548.N1	03-JUN-2011 09:59:04	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48413	No
70	GOM_TRA_1PNPDK20110603_100800_000000483103_00123_48413_8549.N1	03-JUN-2011 10:08:00	Straylight	48.000	40	The Sco	1.8590	7100.0	96	48413	No
71	GOM_TRA_1PNPDK20110603_100946_000000493103_00123_48413_8550.N1	03-JUN-2011 10:09:46	Twilight	49.000	25	35Lam Sco	1.6200	28000.	98	48413	No
72	GOM_TRA_1PNPDK20110603_101127_000000503103_00123_48413_8551.N1	03-JUN-2011 10:11:27	Twilight	49.500	75	26Eps Sco	2.2910	4250.0	99	48413	No
73	GOM_TRA_1PNPDK20110603_101326_000000473103_00123_48413_8552.N1	03-JUN-2011 10:13:26	Bright	46.500	136	23Tau Sco	2.8220	30000.	93	48413	No
74	GOM_TRA_1PNPDK20110603_101657_000000443103_00123_48413_8553.N1	03-JUN-2011 10:16:57	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	48413	No
75	GOM_TRA_1PNPDK20110603_101847_000000413103_00123_48413_8604.N1	03-JUN-2011 10:18:47	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48413	No
76	GOM_TRA_1PNPDK20110603_102056_000000383103_00123_48413_8605.N1	03-JUN-2011 10:20:56	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48413	No
77	GOM_TRA_1PNPDK20110603_102355_000000363103_00123_48413_8606.N1	03-JUN-2011 10:23:55	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	48413	No
78	GOM_TRA_1PNPDK20110603_102847_000000413103_00123_48413_8607.N1	03-JUN-2011 10:28:47	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	48413	No
79	GOM_TRA_1PNPDK20110603_103207_000000443103_00123_48413_8608.N1	03-JUN-2011 10:32:07	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	48413	No
80	GOM_TRA_1PNPDK20110603_103926_000000443103_00123_48413_8609.N1	03-JUN-2011 10:39:26	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48413	No
81	GOM_TRA_1PNPDK20110603_105015_000000473103_00123_48413_8610.N1	03-JUN-2011 10:50:15	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48413	No
82	GOM_TRA_1PNPDK20110603_105538_000000363103_00123_48413_8611.N1	03-JUN-2011 10:55:38	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	48413	No
83	GOM_TRA_1PNPDK20110603_110330_000000473103_00123_48413_8612.N1	03-JUN-2011 11:03:30	Bright	47.000	53	43Bet And	2.0480	3300.0	94	48413	No
84	GOM_TRA_1PNPDK20110603_110614_000000563103_00123_48413_8613.N1	03-JUN-2011 11:06:14	Twilight	56.000	58	21Alp And	2.0730	11000.	112	48413	No
85	GOM_TRA_1PNPDK20110603_111124_000000543103_00123_48413_8614.N1	03-JUN-2011 11:11:24	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	48413	No
86	GOM_TRA_1PNPDK20110603_112029_000000493103_00123_48413_8615.N1	03-JUN-2011 11:20:29	Dark	49.000	52	16Bet Cet	2.0370	4500.0	98	48413	No
87	GOM_TRA_1PNPDK20110603_112707_000000463103_00123_48413_8616.N1	03-JUN-2011 11:27:07	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	48413	No
88	GOM_TRA_1PNPDK20110603_112937_000000673103_00123_48413_8617.N1	03-JUN-2011 11:29:37	Dark	66.500	18	24Alp PsA	1.1660	9700.0	133	48413	No

89	GOM_TRA_1PNPDK20110603_113238_000000553103_00124_48414_8618.N1	03-JUN-2011 11:32:38	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	48414	No
90	GOM_TRA_1PNPDK20110603_113433_000000483103_00124_48414_8619.N1	03-JUN-2011 11:34:33	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48414	No
91	GOM_TRA_1PNPDK20110603_113919_000000433103_00124_48414_8620.N1	03-JUN-2011 11:39:19	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48414	No
92	GOM_TRA_1PNPDK20110603_114814_000000463103_00124_48414_8621.N1	03-JUN-2011 11:48:14	Straylight	46.000	40	The Sco	1.8590	7100.0	92	48414	No
93	GOM_TRA_1PNPDK20110603_115000_000000473103_00124_48414_8622.N1	03-JUN-2011 11:50:00	Tw_i_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	48414	No
94	GOM_TRA_1PNPDK20110603_115142_000000443103_00124_48414_8623.N1	03-JUN-2011 11:51:42	Tw_i_and_stray	44.000	75	26Eps Sco	2.2910	4250.0	88	48414	No
95	GOM_TRA_1PNPDK20110603_115341_000000453103_00124_48414_8624.N1	03-JUN-2011 11:53:41	Bright	45.000	136	23Tau Sco	2.8220	30000.	90	48414	No
96	GOM_TRA_1PNPDK20110603_115711_000000443103_00124_48414_8659.N1	03-JUN-2011 11:57:11	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48414	No
97	GOM_TRA_1PNPDK20110603_115901_000000403103_00124_48414_8660.N1	03-JUN-2011 11:59:01	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48414	No
98	GOM_TRA_1PNPDK20110603_120110_000000403103_00124_48414_8661.N1	03-JUN-2011 12:01:10	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	48414	No
99	GOM_TRA_1PNPDK20110603_120409_000000363103_00124_48414_8662.N1	03-JUN-2011 12:04:09	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	48414	No
100	GOM_TRA_1PNPDK20110603_120901_000000603103_00124_48414_8663.N1	03-JUN-2011 12:09:01	Bright	60.000	127	27Bet Her	2.7810	4700.0	120	48414	No
101	GOM_TRA_1PNPDK20110603_121220_000000423103_00124_48414_8664.N1	03-JUN-2011 12:12:20	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	48414	No
102	GOM_TRA_1PNPDK20110603_121940_000000423103_00124_48414_8665.N1	03-JUN-2011 12:19:40	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48414	No
103	GOM_TRA_1PNPDK20110603_123028_000000483103_00124_48414_8666.N1	03-JUN-2011 12:30:28	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48414	No
104	GOM_TRA_1PNPDK20110603_123552_000000373103_00124_48414_8667.N1	03-JUN-2011 12:35:52	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	48414	No
105	GOM_TRA_1PNPDK20110603_124344_000000593103_00124_48414_8668.N1	03-JUN-2011 12:43:44	Bright	59.000	53	43Bet And	2.0480	3300.0	118	48414	No
106	GOM_TRA_1PNPDK20110603_124628_000000583103_00124_48414_8669.N1	03-JUN-2011 12:46:28	Tw_i_and_stray	57.500	58	21Alp And	2.0730	11000.	115	48414	No
107	GOM_TRA_1PNPDK20110603_125139_000000543103_00124_48414_8667.N1	03-JUN-2011 12:51:39	Dark	54.000	140	88Gam Peg	2.8340	26000.	108	48414	Yes
108	GOM_TRA_1PNPDK20110603_130043_000000493103_00124_48414_8668.N1	03-JUN-2011 13:00:43	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	48414	No
109	GOM_TRA_1PNPDK20110603_130721_000000463103_00124_48414_8669.N1	03-JUN-2011 13:07:21	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48414	No
110	GOM_TRA_1PNPDK20110603_130952_000000533103_00124_48414_8670.N1	03-JUN-2011 13:09:52	Dark	52.500	18	24Alp PsA	1.1660	9700.0	105	48414	No
111	GOM_TRA_1PNPDK20110603_131252_000000573103_00125_48415_8671.N1	03-JUN-2011 13:12:52	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	48415	No
112	GOM_TRA_1PNPDK20110603_131448_000000473103_00125_48415_8672.N1	03-JUN-2011 13:14:48	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48415	No
113	GOM_TRA_1PNPDK20110603_131933_000000443103_00125_48415_8673.N1	03-JUN-2011 13:19:33	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48415	No
114	GOM_TRA_1PNPDK20110603_132828_000000473103_00125_48415_8674.N1	03-JUN-2011 13:28:28	Straylight	46.500	40	The Sco	1.8590	7100.0	93	48415	No
115	GOM_TRA_1PNPDK20110603_133015_000000473103_00125_48415_8675.N1	03-JUN-2011 13:30:15	Tw_i_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	48415	No
116	GOM_TRA_1PNPDK20110603_133156_000000453103_00125_48415_8676.N1	03-JUN-2011 13:31:56	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	48415	No
117	GOM_TRA_1PNPDK20110603_133355_000000453103_00125_48415_8677.N1	03-JUN-2011 13:33:55	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	48415	No
118	GOM_TRA_1PNPDK20110603_133726_000000443103_00125_48415_8724.N1	03-JUN-2011 13:37:26	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	48415	No
119	GOM_TRA_1PNPDK20110603_133914_000000463103_00125_48415_8725.N1	03-JUN-2011 13:39:14	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	48415	No
120	GOM_TRA_1PNPDK20110603_134123_000000403103_00125_48415_8726.N1	03-JUN-2011 13:41:23	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	48415	No
121	GOM_TRA_1PNPDK20110603_134423_000000363103_00125_48415_8727.N1	03-JUN-2011 13:44:23	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	48415	No
122	GOM_TRA_1PNPDK20110603_134914_000000433103_00125_48415_8728.N1	03-JUN-2011 13:49:14	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	48415	No
123	GOM_TRA_1PNPDK20110603_135234_000000423103_00125_48415_8729.N1	03-JUN-2011 13:52:34	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	48415	No
124	GOM_TRA_1PNPDK20110603_135953_000000453103_00125_48415_8730.N1	03-JUN-2011 13:59:53	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	48415	No
125	GOM_TRA_1PNPDK20110603_141042_000000473103_00125_48415_8731.N1	03-JUN-2011 14:10:42	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48415	No
126	GOM_TRA_1PNPDK20110603_141605_000000463103_00125_48415_8732.N1	03-JUN-2011 14:16:05	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	48415	No
127	GOM_TRA_1PNPDK20110603_142358_000000473103_00125_48415_8733.N1	03-JUN-2011 14:23:58	Bright	46.500	53	43Bet And	2.0480	3300.0	93	48415	No
128	GOM_TRA_1PNPDK20110603_142643_000000533103_00125_48415_8734.N1	03-JUN-2011 14:26:43	Tw_i_and_stray	53.000	58	21Alp And	2.0730	11000.	106	48415	No
129	GOM_TRA_1PNPDK20110603_143154_000000533103_00125_48415_8735.N1	03-JUN-2011 14:31:54	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	48415	No
130	GOM_TRA_1PNPDK20110603_144058_000000493103_00125_48415_8736.N1	03-JUN-2011 14:40:58	Dark	49.000	52	16Bet Cet	2.0370	4500.0	98	48415	No
131	GOM_TRA_1PNPDK20110603_144736_000000493103_00125_48415_8737.N1	03-JUN-2011 14:47:36	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48415	No
132	GOM_TRA_1PNPDK20110603_145008_000000683103_00125_48415_8738.N1	03-JUN-2011 14:50:08	Dark	68.000	18	24Alp PsA	1.1660	9700.0	136	48415	No
133	GOM_TRA_1PNPDK20110603_145307_000000493103_00126_48416_8739.N1	03-JUN-2011 14:53:07	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	48416	No
134	GOM_TRA_1PNPDK20110603_145503_000000463103_00126_48416_8740.N1	03-JUN-2011 14:55:03	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48416	No
135	GOM_TRA_1PNPDK20110603_145948_000000463103_00126_48416_8741.N1	03-JUN-2011 14:59:48	Straylight	46.000	45	Alp Pav	1.9400	26000.	92	48416	No
136	GOM_TRA_1PNPDK20110603_150843_000000463103_00126_48416_8742.N1	03-JUN-2011 15:08:43	Straylight	45.500	40	The Sco	1.8590	7100.0	91	48416	No
137	GOM_TRA_1PNPDK20110603_151029_000000473103_00126_48416_8743.N1	03-JUN-2011 15:10:29	Tw_i_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	48416	No
138	GOM_TRA_1PNPDK20110603_151210_000000463103_00126_48416_8744.N1	03-JUN-2011 15:12:10	Tw_i_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	48416	No
139	GOM_TRA_1PNPDK20110603_151409_000000513103_00126_48416_8784.N1	03-JUN-2011 15:14:09	Bright	50.500	136	23Tau Sco	2.8220	30000.	101	48416	Yes
140	GOM_TRA_1PNPDK20110603_151740_000000443103_00126_48416_8785.N1	03-JUN-2011 15:17:40	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48416	No
141	GOM_TRA_1PNPDK20110603_151929_000000413103_00126_48416_8786.N1	03-JUN-2011 15:19:29	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48416	No
142	GOM_TRA_1PNPDK20110603_152138_000000393103_00126_48416_8787.N1	03-JUN-2011 15:21:38	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48416	No
143	GOM_TRA_1PNPDK20110603_152437_000000363103_00126_48416_8788.N1	03-JUN-2011 15:24:37	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	48416	No
144	GOM_TRA_1PNPDK20110603_152928_000000403103_00126_48416_8789.N1	03-JUN-2011 15:29:28	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48416	No
145	GOM_TRA_1PNPDK20110603_153247_000000403103_00126_48416_8790.N1	03-JUN-2011 15:32:47	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48416	No
146	GOM_TRA_1PNPDK20110603_154006_000000463103_00126_48416_8791.N1	03-JUN-2011 15:40:06	Bright	46.000	130	23Bet Dra	2.7990	5800.0	92	48416	No
147	GOM_TRA_1PNPDK20110603_155055_000000473103_00126_48416_8792.N1	03-JUN-2011 15:50:55	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48416	No

148	GOM_TRA_1PNPDK20110603_155619_000000573103_00126_48416_8793.N1	03-JUN-2011 15:56:19	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	48416	No
149	GOM_TRA_1PNPDK20110603_160412_000000493103_00126_48416_8794.N1	03-JUN-2011 16:04:12	Bright	48.500	53	43Bet And	2.0480	3300.0	97	48416	No
150	GOM_TRA_1PNPDK20110603_160657_000000583103_00126_48416_8795.N1	03-JUN-2011 16:06:57	Twilight	58.000	58	21Alp And	2.0730	11000.	116	48416	No
151	GOM_TRA_1PNPDK20110603_161208_000000563103_00126_48416_8796.N1	03-JUN-2011 16:12:08	Dark	55.500	140	88Gam Peg	2.8340	26000.	111	48416	No
152	GOM_TRA_1PNPDK20110603_162113_000000483103_00126_48416_8797.N1	03-JUN-2011 16:21:13	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	48416	No
153	GOM_TRA_1PNPDK20110603_162750_000000453103_00126_48416_8798.N1	03-JUN-2011 16:27:50	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	48416	No
154	GOM_TRA_1PNPDK20110603_163023_000000633103_00126_48416_8799.N1	03-JUN-2011 16:30:23	Dark	63.000	18	24Alp PsA	1.1660	9700.0	126	48416	No
155	GOM_TRA_1PNPDK20110603_163322_000000483103_00127_48417_8800.N1	03-JUN-2011 16:33:22	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	48417	No
156	GOM_TRA_1PNPDK20110603_163518_000000473103_00127_48417_8801.N1	03-JUN-2011 16:35:18	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48417	No
157	GOM_TRA_1PNPDK20110603_164003_000000443103_00127_48417_8802.N1	03-JUN-2011 16:40:03	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48417	No
158	GOM_TRA_1PNPDK20110603_164857_000000473103_00127_48417_8803.N1	03-JUN-2011 16:48:57	Straylight	46.500	40	The Sco	1.8590	7100.0	93	48417	No
159	GOM_TRA_1PNPDK20110603_165043_000000473103_00127_48417_8969.N1	03-JUN-2011 16:50:43	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	48417	Yes
160	GOM_TRA_1PNPDK20110603_165224_000000473103_00127_48417_8970.N1	03-JUN-2011 16:52:24	Twilight	46.500	75	26Eps Sco	2.2910	4250.0	93	48417	No
161	GOM_TRA_1PNPDK20110603_165423_000000503103_00127_48417_8971.N1	03-JUN-2011 16:54:23	Bright	49.500	136	23Tau Sco	2.8220	30000.	99	48417	No
162	GOM_TRA_1PNPDK20110603_165754_000000453103_00127_48417_8972.N1	03-JUN-2011 16:57:54	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	48417	No
163	GOM_TRA_1PNPDK20110603_165943_000000393103_00127_48417_8973.N1	03-JUN-2011 16:59:43	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	48417	No
164	GOM_TRA_1PNPDK20110603_170152_000000403103_00127_48417_8974.N1	03-JUN-2011 17:01:52	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	48417	No
165	GOM_TRA_1PNPDK20110603_170456_000000323103_00127_48417_8975.N1	03-JUN-2011 17:04:56	Bright	31.500	102	24Alp Ser	2.6000	4250.0	63	48417	No
166	GOM_TRA_1PNPDK20110603_170942_000000423103_00127_48417_8976.N1	03-JUN-2011 17:09:42	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	48417	No
167	GOM_TRA_1PNPDK20110603_171301_000000413103_00127_48417_8977.N1	03-JUN-2011 17:13:01	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48417	No
168	GOM_TRA_1PNPDK20110603_172020_000000443103_00127_48417_8978.N1	03-JUN-2011 17:20:20	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	48417	No
169	GOM_TRA_1PNPDK20110603_173109_000000483103_00127_48417_8979.N1	03-JUN-2011 17:31:09	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48417	No
170	GOM_TRA_1PNPDK20110603_173633_000000373103_00127_48417_8980.N1	03-JUN-2011 17:36:33	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	48417	No
171	GOM_TRA_1PNPDK20110603_174426_000000473103_00127_48417_8981.N1	03-JUN-2011 17:44:26	Bright	47.000	53	43Bet And	2.0480	3300.0	94	48417	No
172	GOM_TRA_1PNPDK20110603_174711_000000573103_00127_48417_8982.N1	03-JUN-2011 17:47:11	Twilight	57.000	58	21Alp And	2.0730	11000.	114	48417	No
173	GOM_TRA_1PNPDK20110603_175223_000000553103_00127_48417_8983.N1	03-JUN-2011 17:52:23	Dark	54.500	140	88Gam Peg	2.8340	26000.	109	48417	No
174	GOM_TRA_1PNPDK20110603_180128_000000483103_00127_48417_8984.N1	03-JUN-2011 18:01:28	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	48417	No
175	GOM_TRA_1PNPDK20110603_180805_000000463103_00127_48417_8985.N1	03-JUN-2011 18:08:05	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48417	No
176	GOM_TRA_1PNPDK20110603_181039_000000683103_00127_48417_8986.N1	03-JUN-2011 18:10:39	Dark	68.000	18	24Alp PsA	1.1660	9700.0	136	48417	No
177	GOM_TRA_1PNPDK20110603_181337_000000573103_00128_48418_8987.N1	03-JUN-2011 18:13:37	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	48418	No
178	GOM_TRA_1PNPDK20110603_181533_000000523103_00128_48418_8988.N1	03-JUN-2011 18:15:33	Dark	51.500	31	Alp Gru	1.7340	15200.	103	48418	No
179	GOM_TRA_1PNPDK20110603_182018_000000433103_00128_48418_8989.N1	03-JUN-2011 18:20:18	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48418	No
180	GOM_TRA_1PNPDK20110603_182912_000000483103_00128_48418_8890.N1	03-JUN-2011 18:29:12	Straylight	48.000	40	The Sco	1.8590	7100.0	96	48418	No
181	GOM_TRA_1PNPDK20110603_183058_000000483103_00128_48418_8891.N1	03-JUN-2011 18:30:58	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	48418	No
182	GOM_TRA_1PNPDK20110603_183239_000000453103_00128_48418_8892.N1	03-JUN-2011 18:32:39	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	48418	No
183	GOM_TRA_1PNPDK20110603_183437_000000473103_00128_48418_8893.N1	03-JUN-2011 18:34:37	Bright	47.000	136	23Tau Sco	2.8220	30000.	94	48418	No
184	GOM_TRA_1PNPDK20110603_183808_000000453103_00128_48418_8894.N1	03-JUN-2011 18:38:08	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	48418	No
185	GOM_TRA_1PNPDK20110603_183957_000000403103_00128_48418_8895.N1	03-JUN-2011 18:39:57	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48418	No
186	GOM_TRA_1PNPDK20110603_184206_000000393103_00128_48418_8896.N1	03-JUN-2011 18:42:06	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48418	No
187	GOM_TRA_1PNPDK20110603_184956_000000423103_00128_48418_8897.N1	03-JUN-2011 18:49:56	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	48418	No
188	GOM_TRA_1PNPDK20110603_185315_000000413103_00128_48418_8898.N1	03-JUN-2011 18:53:15	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48418	No
189	GOM_TRA_1PNPDK20110603_190033_000000463103_00128_48418_8899.N1	03-JUN-2011 19:00:33	Bright	45.500	130	23Bet Dra	2.7990	5800.0	91	48418	No
190	GOM_TRA_1PNPDK20110603_191122_000000473103_00128_48418_8900.N1	03-JUN-2011 19:11:22	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48418	No
191	GOM_TRA_1PNPDK20110603_191647_000000413103_00128_48418_8901.N1	03-JUN-2011 19:16:47	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	48418	No
192	GOM_TRA_1PNPDK20110603_192440_000000483103_00128_48418_8902.N1	03-JUN-2011 19:24:40	Bright	48.000	53	43Bet And	2.0480	3300.0	96	48418	No
193	GOM_TRA_1PNPDK20110603_192726_000000563103_00128_48418_8903.N1	03-JUN-2011 19:27:26	Twilight	56.000	58	21Alp And	2.0730	11000.	112	48418	No
194	GOM_TRA_1PNPDK20110603_193237_000000553103_00128_48418_8904.N1	03-JUN-2011 19:32:37	Dark	54.500	140	88Gam Peg	2.8340	26000.	109	48418	No
195	GOM_TRA_1PNPDK20110603_194142_000000563103_00128_48418_8905.N1	03-JUN-2011 19:41:42	Dark	55.500	52	16Bet Cet	2.0370	4500.0	111	48418	No
196	GOM_TRA_1PNPDK20110603_194820_000000473103_00128_48418_8906.N1	03-JUN-2011 19:48:20	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	48418	No
197	GOM_TRA_1PNPDK20110603_195054_000000633103_00128_48418_8907.N1	03-JUN-2011 19:50:54	Dark	63.000	18	24Alp PsA	1.1660	9700.0	126	48418	No
198	GOM_TRA_1PNPDK20110603_195352_000000483103_00129_48419_8908.N1	03-JUN-2011 19:53:52	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	48419	No
199	GOM_TRA_1PNPDK20110603_195548_000000473103_00129_48419_8909.N1	03-JUN-2011 19:55:48	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48419	No
200	GOM_TRA_1PNPDK20110603_200032_000000453103_00129_48419_8910.N1	03-JUN-2011 20:00:32	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	48419	No
201	GOM_TRA_1PNPDE20110603_200926_000000493103_00129_48419_2443.N1	03-JUN-2011 20:09:26	Straylight	48.500	40	The Sco	1.8590	7100.0	97	48419	No
202	GOM_TRA_1PNPDE20110603_201112_000000483103_00129_48419_2444.N1	03-JUN-2011 20:11:12	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	48419	No
203	GOM_TRA_1PNPDE20110603_201253_000000453103_00129_48419_2445.N1	03-JUN-2011 20:12:53	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	48419	No
204	GOM_TRA_1PNPDE20110603_201452_000000393103_00129_48419_2446.N1	03-JUN-2011 20:14:52	Bright	39.000	136	23Tau Sco	2.8220	30000.	78	48419	No
205	GOM_TRA_1PNPDE20110603_201822_000000453103_00129_48419_2447.N1	03-JUN-2011 20:18:22	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	48419	No
206	GOM_TRA_1PNPDE20110603_202011_000000413103_00129_48419_2448.N1	03-JUN-2011 20:20:11	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48419	No

207	GOM_TRA_1PNPDE20110603_202220_000000393103_00129_48419_2449.N1	03-JUN-2011 20:22:20	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48419	No
208	GOM_TRA_1PNPDE20110603_203009_000000403103_00129_48419_2450.N1	03-JUN-2011 20:30:09	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	48419	No
209	GOM_TRA_1PNPDE20110603_203328_000000423103_00129_48419_2451.N1	03-JUN-2011 20:33:28	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	48419	No
210	GOM_TRA_1PNPDE20110603_204047_000000443103_00129_48419_2452.N1	03-JUN-2011 20:40:47	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48419	No
211	GOM_TRA_1PNPDE20110603_205136_000000463103_00129_48419_2453.N1	03-JUN-2011 20:51:36	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48419	No
212	GOM_TRA_1PNPDE20110603_205701_000000373103_00129_48419_2454.N1	03-JUN-2011 20:57:01	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	48419	No
213	GOM_TRA_1PNPDE20110603_210454_000000493103_00129_48419_2455.N1	03-JUN-2011 21:04:54	Bright	48.500	53	43Bet And	2.0480	3300.0	97	48419	No
214	GOM_TRA_1PNPDE20110603_210739_000000553103_00129_48419_2456.N1	03-JUN-2011 21:07:39	Twilight	55.000	58	21Alp And	2.0730	11000.	110	48419	No
215	GOM_TRA_1PNPDE20110603_211252_000000553103_00129_48419_2457.N1	03-JUN-2011 21:12:52	Dark	55.000	140	88Gam Peg	2.8340	26000.	110	48419	No
216	GOM_TRA_1PNPDE20110603_212157_000000533103_00129_48419_2491.N1	03-JUN-2011 21:21:57	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	48419	No
217	GOM_TRA_1PNPDE20110603_212834_000000423103_00129_48419_2492.N1	03-JUN-2011 21:28:34	Dark	42.000	84	Alp Phe	2.3970	4500.0	84	48419	No
218	GOM_TRA_1PNPDE20110603_213109_000000603103_00129_48419_2493.N1	03-JUN-2011 21:31:09	Dark	59.500	18	24Alp PsA	1.1660	9700.0	119	48419	No
219	GOM_TRA_1PNPDE20110603_213407_000000513103_00130_48420_2494.N1	03-JUN-2011 21:34:07	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	48420	No
220	GOM_TRA_1PNPDE20110603_213602_000000473103_00130_48420_2495.N1	03-JUN-2011 21:36:02	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48420	No
221	GOM_TRA_1PNPDE20110603_214047_000000423103_00130_48420_2496.N1	03-JUN-2011 21:40:47	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48420	No
222	GOM_TRA_1PNPDE20110603_214940_000000523103_00130_48420_2497.N1	03-JUN-2011 21:49:40	Straylight	51.500	40	The Sco	1.8590	7100.0	103	48420	No
223	GOM_TRA_1PNPDE20110603_215127_000000463103_00130_48420_2498.N1	03-JUN-2011 21:51:27	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	48420	No
224	GOM_TRA_1PNPDE20110603_215307_000000433103_00130_48420_2499.N1	03-JUN-2011 21:53:07	Twilight	42.500	75	26Eps Sco	2.2910	4250.0	85	48420	No
225	GOM_TRA_1PNPDE20110603_215506_000000423103_00130_48420_2500.N1	03-JUN-2011 21:55:06	Bright	41.500	136	23Tau Sco	2.8220	30000.	83	48420	No
226	GOM_TRA_1PNPDE20110603_215836_000000443103_00130_48420_2501.N1	03-JUN-2011 21:58:36	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	48420	No
227	GOM_TRA_1PNPDE20110603_220025_000000403103_00130_48420_2502.N1	03-JUN-2011 22:00:25	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48420	No
228	GOM_TRA_1PNPDE20110603_220233_000000393103_00130_48420_2503.N1	03-JUN-2011 22:02:33	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48420	No
229	GOM_TRA_1PNPDE20110603_221023_000000403103_00130_48420_2504.N1	03-JUN-2011 22:10:23	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48420	No
230	GOM_TRA_1PNPDE20110603_221342_000000433103_00130_48420_2505.N1	03-JUN-2011 22:13:42	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	48420	No
231	GOM_TRA_1PNPDE20110603_222100_000000443103_00130_48420_2506.N1	03-JUN-2011 22:21:00	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	48420	No
232	GOM_TRA_1PNPDE20110603_223149_000000473103_00130_48420_2507.N1	03-JUN-2011 22:31:49	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48420	No
233	GOM_TRA_1PNPDE20110603_223715_000000463103_00130_48420_2508.N1	03-JUN-2011 22:37:15	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	48420	No
234	GOM_TRA_1PNPDE20110603_224508_000000503103_00130_48420_2509.N1	03-JUN-2011 22:45:08	Bright	50.000	53	43Bet And	2.0480	3300.0	100	48420	No
235	GOM_TRA_1PNPDE20110603_224753_000000563103_00130_48420_2510.N1	03-JUN-2011 22:47:53	Twilight	55.500	58	21Alp And	2.0730	11000.	111	48420	No
236	GOM_TRA_1PNPDE20110603_225307_000000563103_00130_48420_2511.N1	03-JUN-2011 22:53:07	Dark	55.500	140	88Gam Peg	2.8340	26000.	111	48420	No
237	GOM_TRA_1PNPDE20110603_230211_000000493103_00130_48420_2536.N1	03-JUN-2011 23:02:11	Dark	49.000	52	16Bet Cet	2.0370	4500.0	98	48420	No
238	GOM_TRA_1PNPDE20110603_230849_000000483103_00130_48420_2537.N1	03-JUN-2011 23:08:49	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48420	No
239	GOM_TRA_1PNPDE20110603_231124_000000713103_00130_48420_2538.N1	03-JUN-2011 23:11:24	Dark	71.000	18	24Alp PsA	1.1660	9700.0	142	48420	No
240	GOM_TRA_1PNPDE20110603_231422_000000643103_00131_48421_2539.N1	03-JUN-2011 23:14:22	Dark	63.500	63	Bet Gru	2.1500	2800.0	127	48421	No
241	GOM_TRA_1PNPDE20110603_231617_000000473103_00131_48421_2540.N1	03-JUN-2011 23:16:17	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48421	No
242	GOM_TRA_1PNPDE20110603_232101_000000453103_00131_48421_2541.N1	03-JUN-2011 23:21:01	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	48421	No
243	GOM_TRA_1PNPDE20110603_232955_000000523103_00131_48421_2542.N1	03-JUN-2011 23:29:55	Straylight	52.000	40	The Sco	1.8590	7100.0	104	48421	No
244	GOM_TRA_1PNPDE20110603_233141_000000463103_00131_48421_2543.N1	03-JUN-2011 23:31:41	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	48421	No
245	GOM_TRA_1PNPDE20110603_233321_000000433103_00131_48421_2544.N1	03-JUN-2011 23:33:21	Twilight	43.000	75	26Eps Sco	2.2910	4250.0	86	48421	No
246	GOM_TRA_1PNPDE20110603_233520_000000413103_00131_48421_2545.N1	03-JUN-2011 23:35:20	Bright	40.500	136	23Tau Sco	2.8220	30000.	81	48421	No
247	GOM_TRA_1PNPDE20110603_233850_000000453103_00131_48421_2546.N1	03-JUN-2011 23:38:50	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	48421	No
248	GOM_TRA_1PNPDE20110603_234039_000000403103_00131_48421_2547.N1	03-JUN-2011 23:40:39	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48421	No
249	GOM_TRA_1PNPDE20110603_234247_000000393103_00131_48421_2548.N1	03-JUN-2011 23:42:47	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48421	No
250	GOM_TRA_1PNPDE20110603_235037_000000403103_00131_48421_2549.N1	03-JUN-2011 23:50:37	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	48421	No
251	GOM_TRA_1PNPDE20110603_235355_000000433103_00131_48421_2550.N1	03-JUN-2011 23:53:55	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	48421	No

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



4. Overview of dark signal processing per product

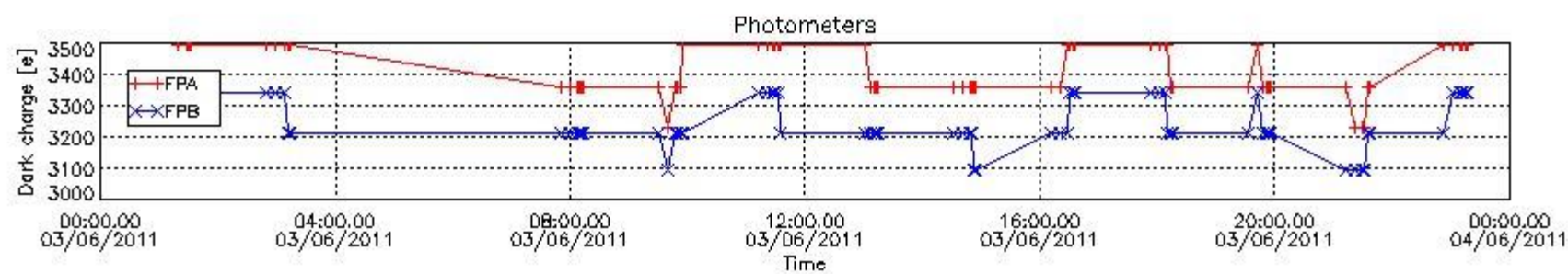
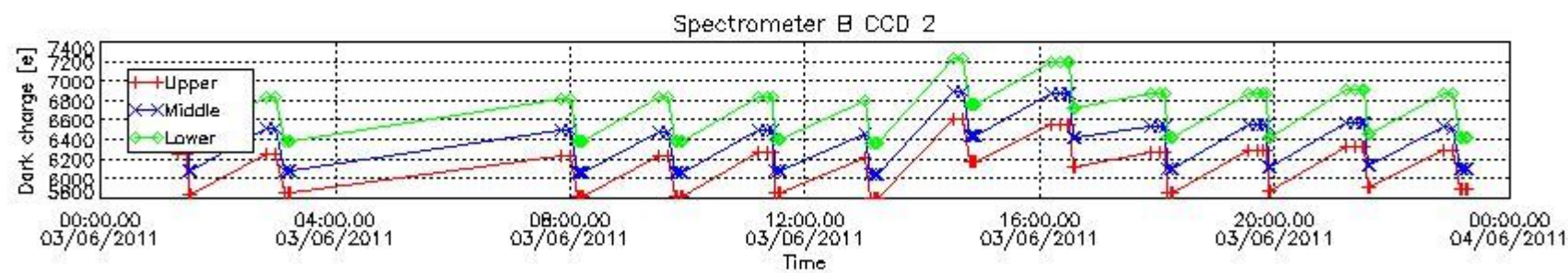
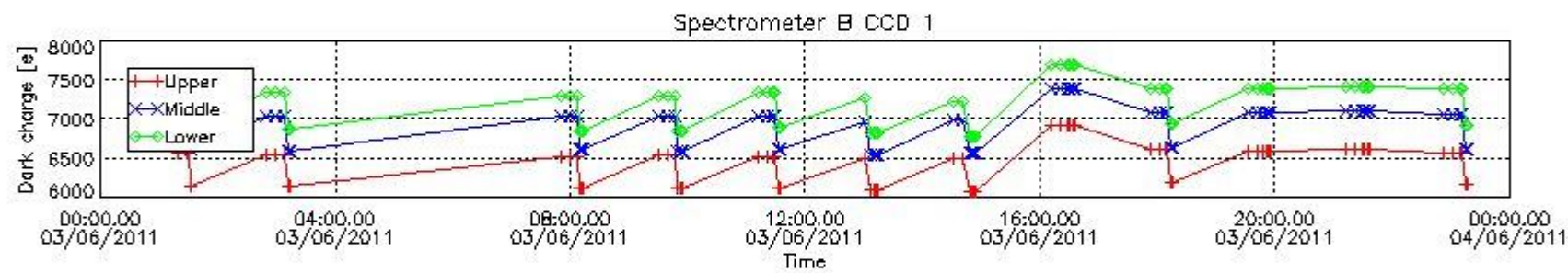
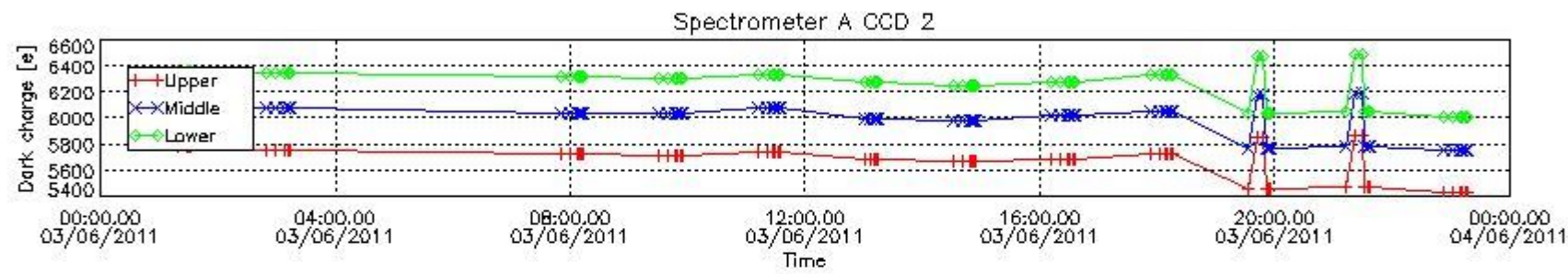
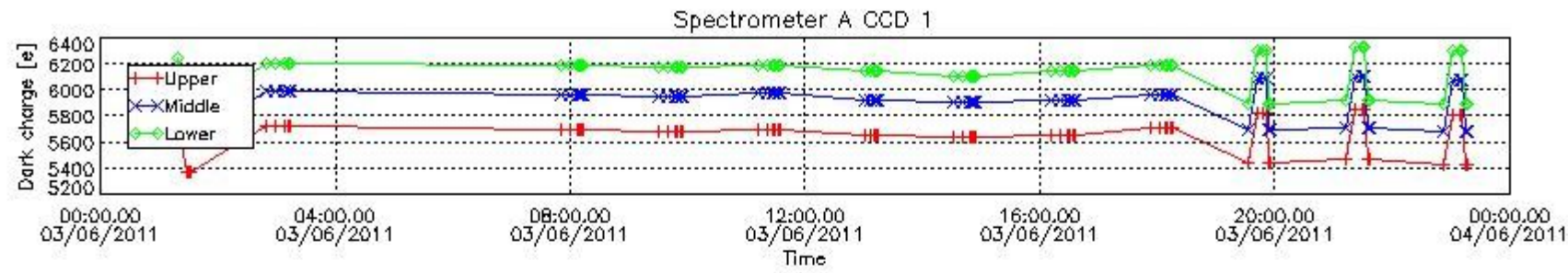
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDK20110603_115711_000000443103_00124_48414_8659.N1	DC map with no T dep.
GOM_TRA_1PNPDK20110603_115901_000000403103_00124_48414_8660.N1	DC map used
GOM_TRA_1PNPDK20110603_120110_000000403103_00124_48414_8661.N1	DC map used
GOM_TRA_1PNPDK20110603_120409_000000363103_00124_48414_8662.N1	DC map used
GOM_TRA_1PNPDK20110603_120901_000000603103_00124_48414_8663.N1	DC map used
GOM_TRA_1PNPDK20110603_121220_000000423103_00124_48414_8664.N1	DC map used
GOM_TRA_1PNPDK20110603_121940_000000423103_00124_48414_8665.N1	DC map used
GOM_TRA_1PNPDK20110603_123028_000000483103_00124_48414_8666.N1	DC map used
GOM_TRA_1PNPDK20110603_123552_000000373103_00124_48414_8667.N1	DC map used
GOM_TRA_1PNPDK20110603_124344_000000593103_00124_48414_8668.N1	DC map used
GOM_TRA_1PNPDK20110603_124628_000000583103_00124_48414_8669.N1	DC map used

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



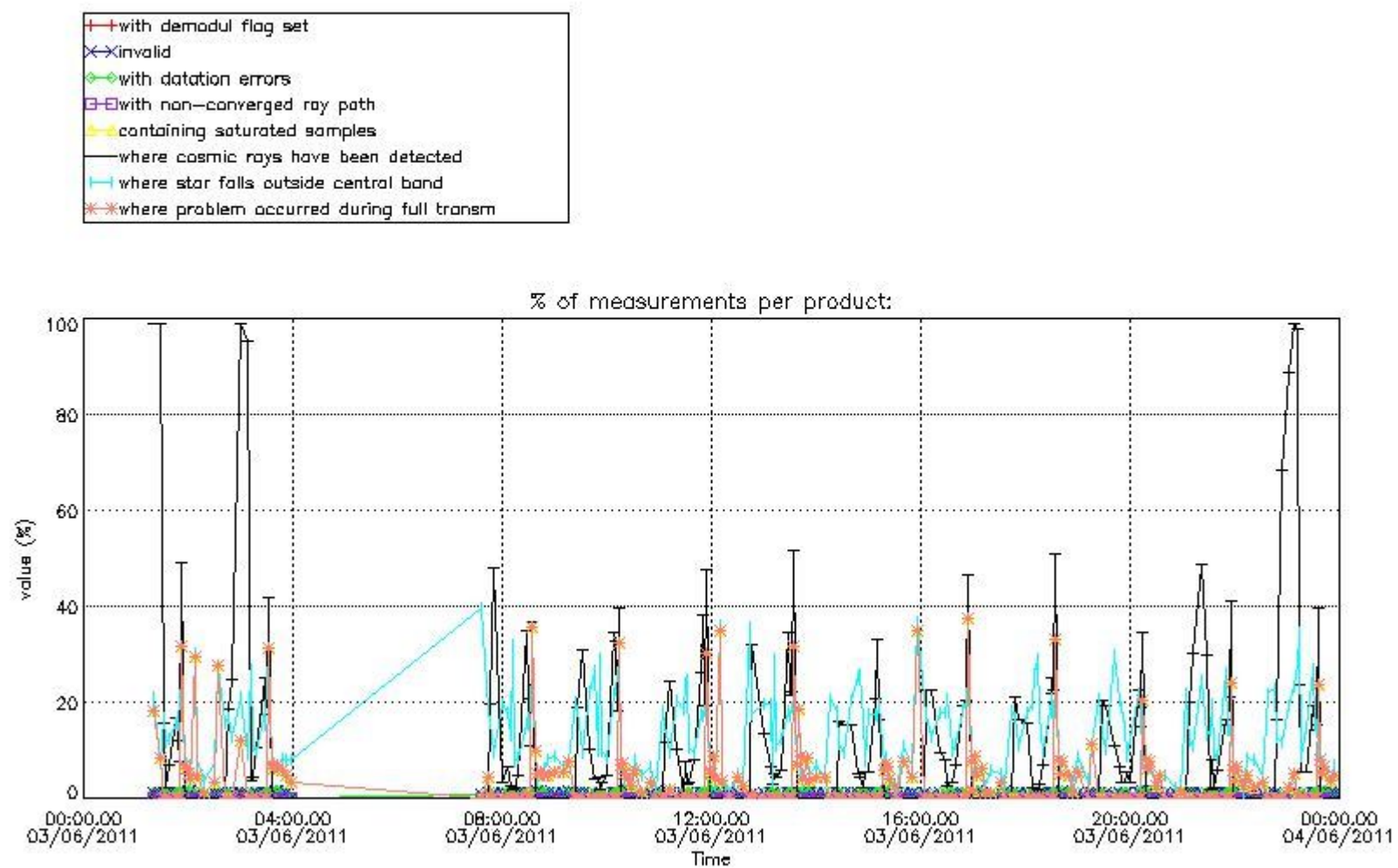
5. Demodulation flag and quality information monitoring

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.

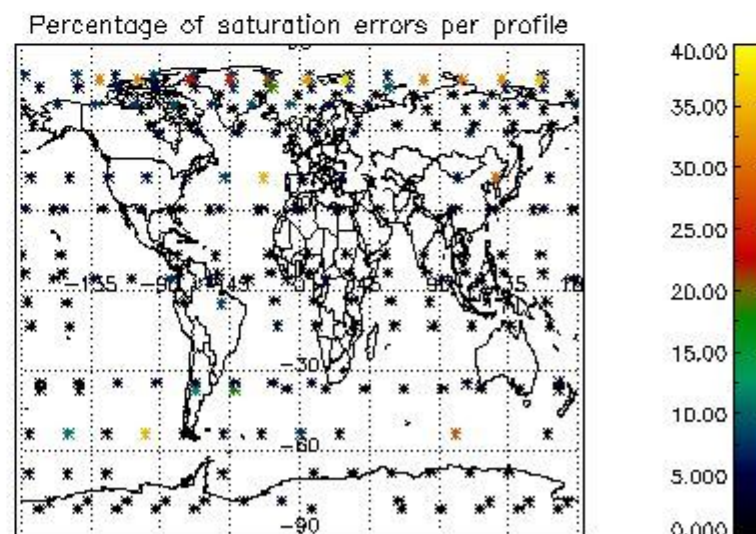
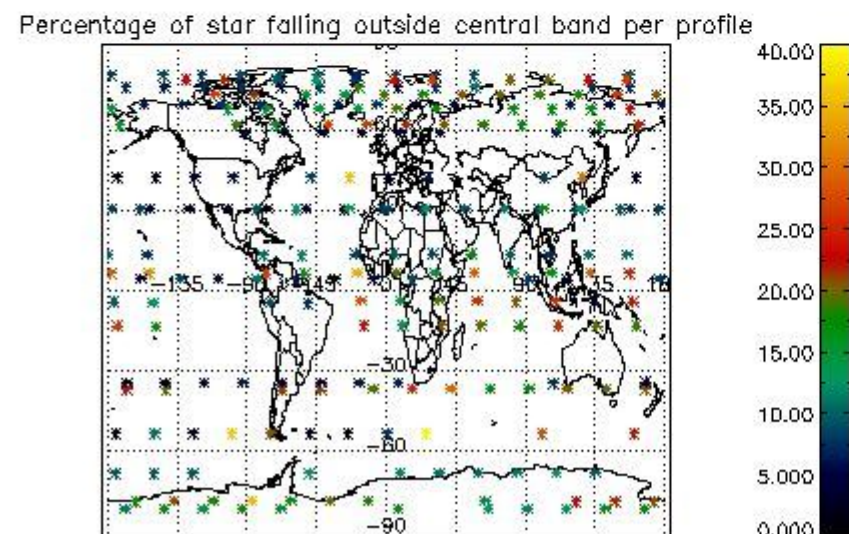
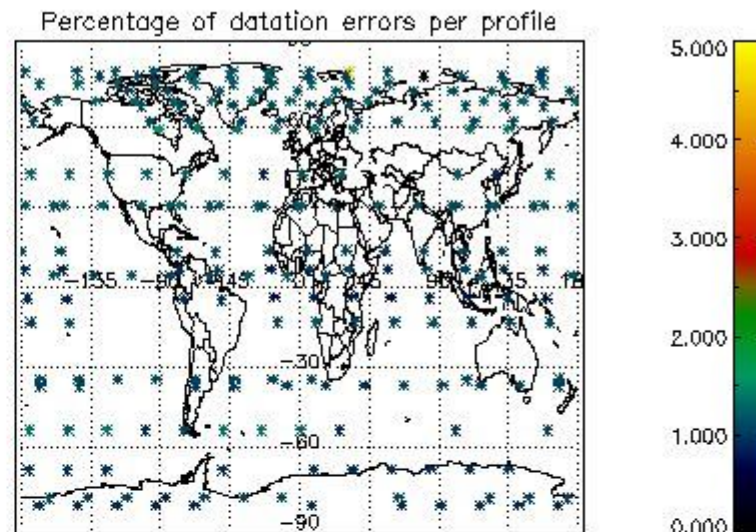
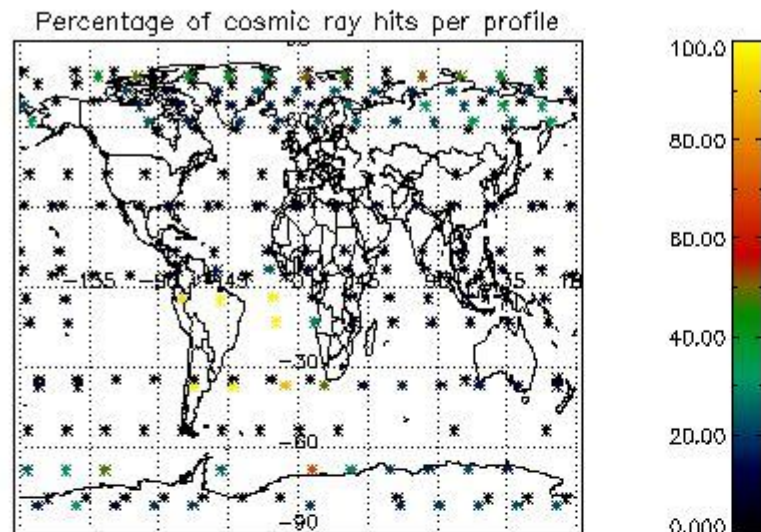
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	50.2024 %
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)



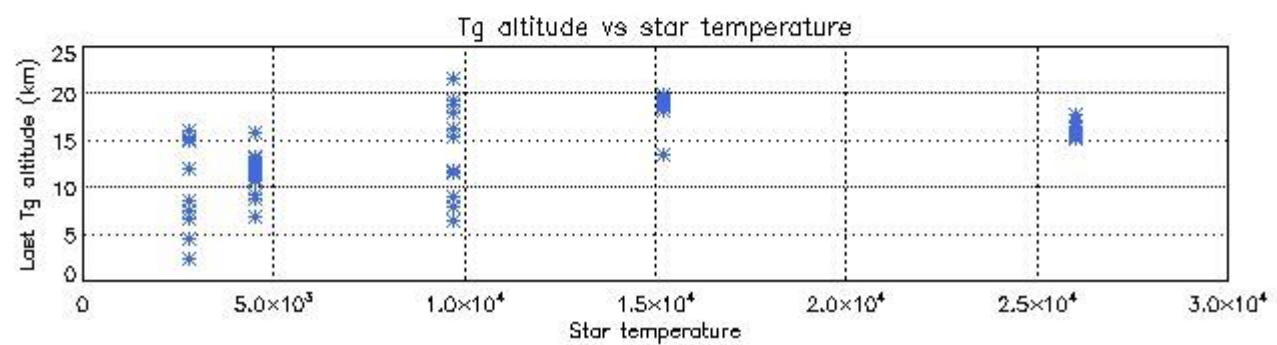
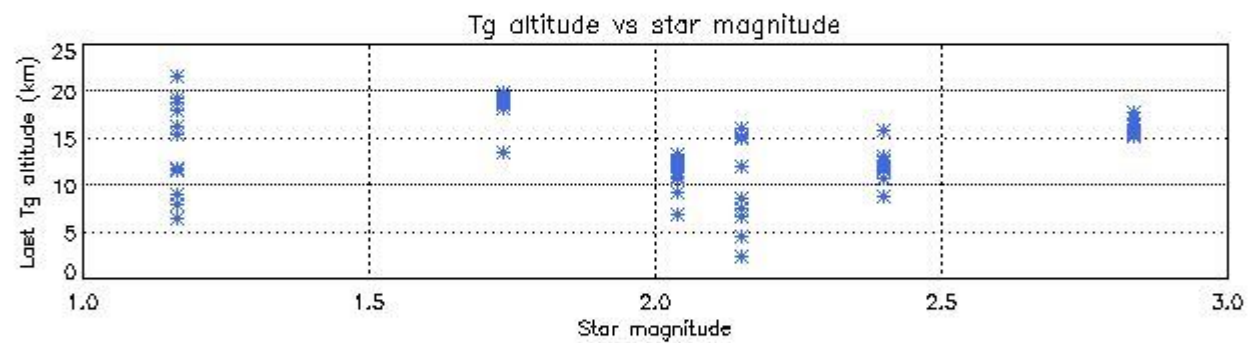
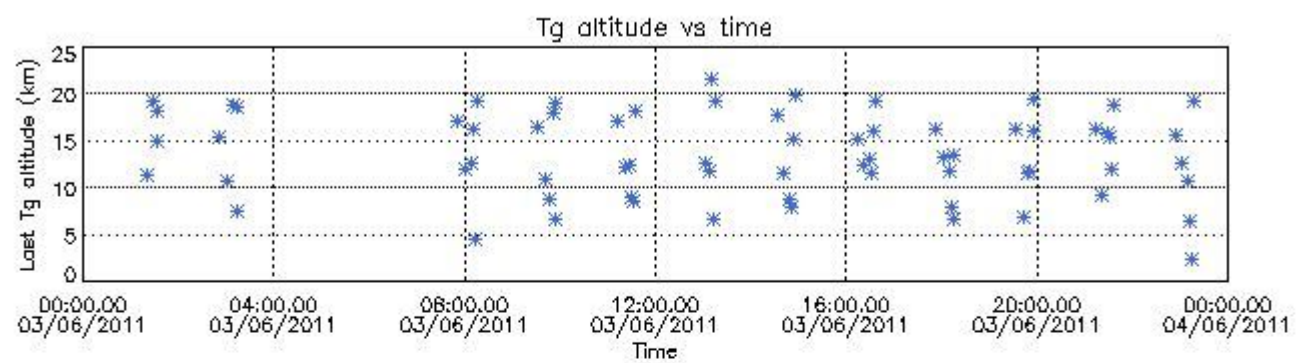
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.517	18.504	NaN
St. deviation:	4.4148	5.1566	NaN
Maximum:	21.507	27.486	NaN
Minimum:	2.3349	3.0324	NaN
Number of data:	68.000	121.00	NaN

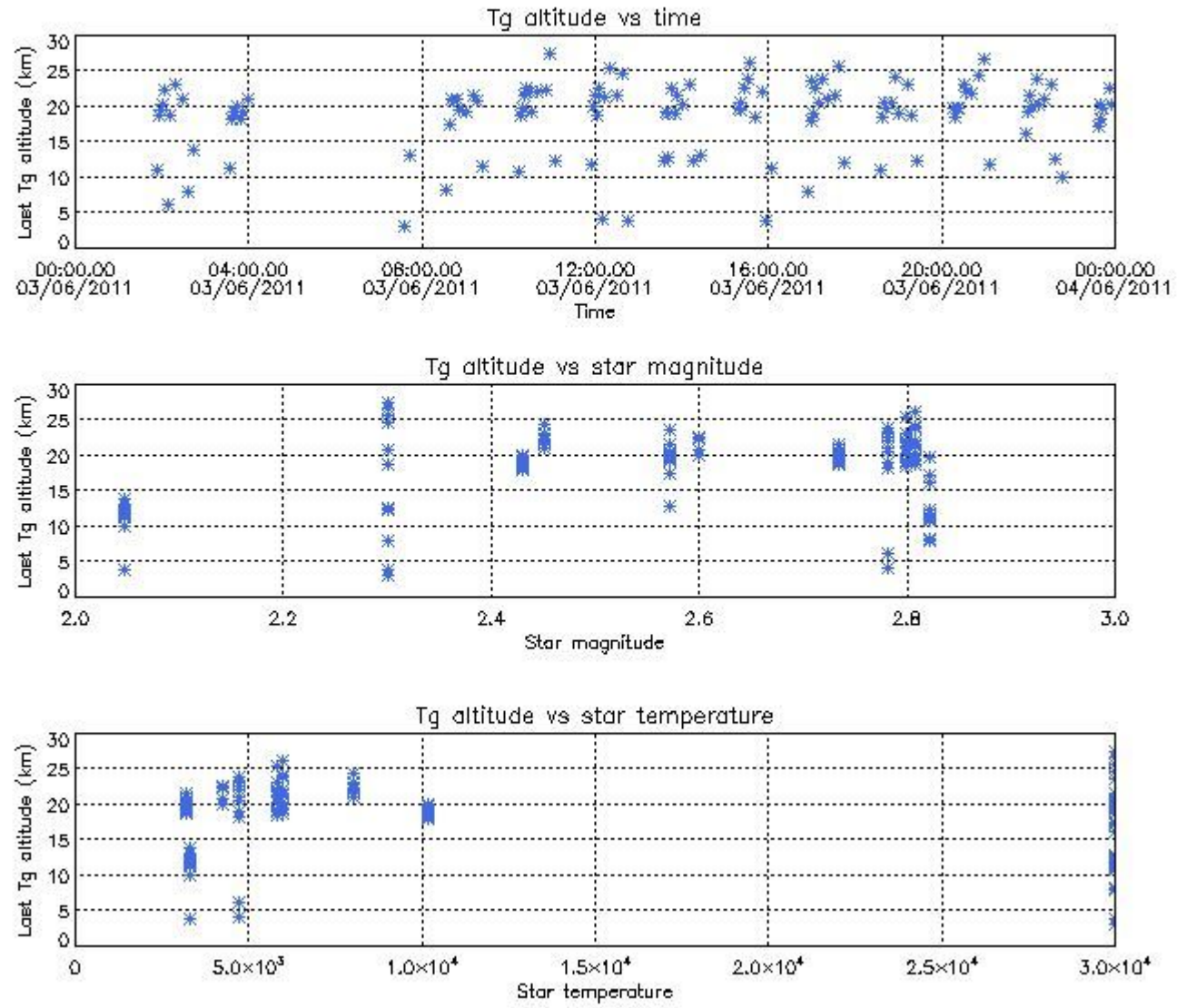
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

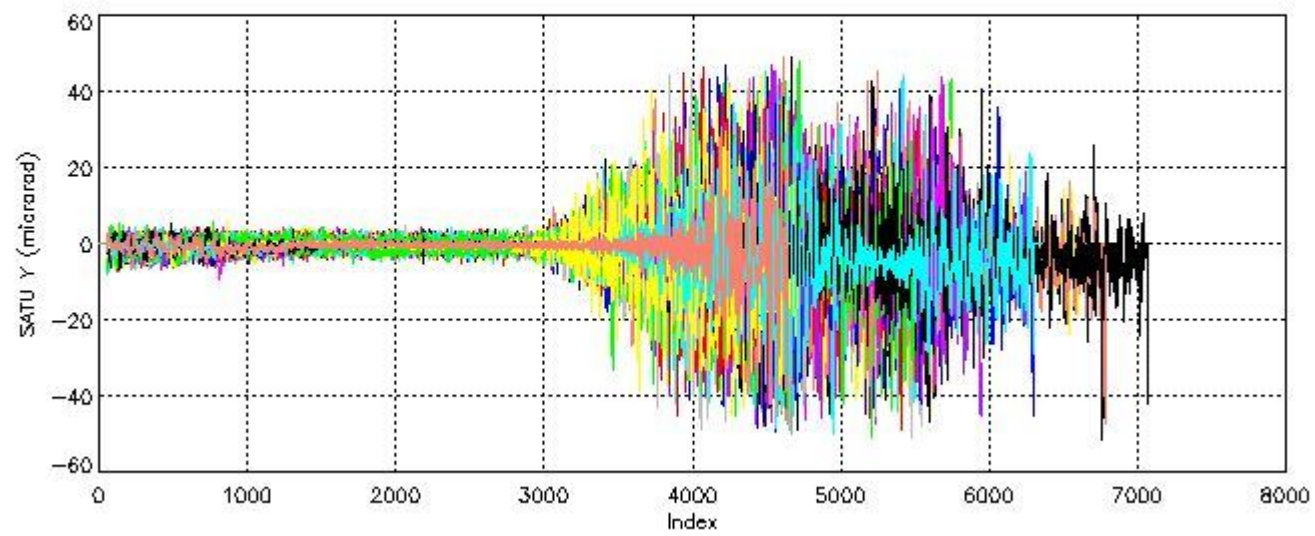
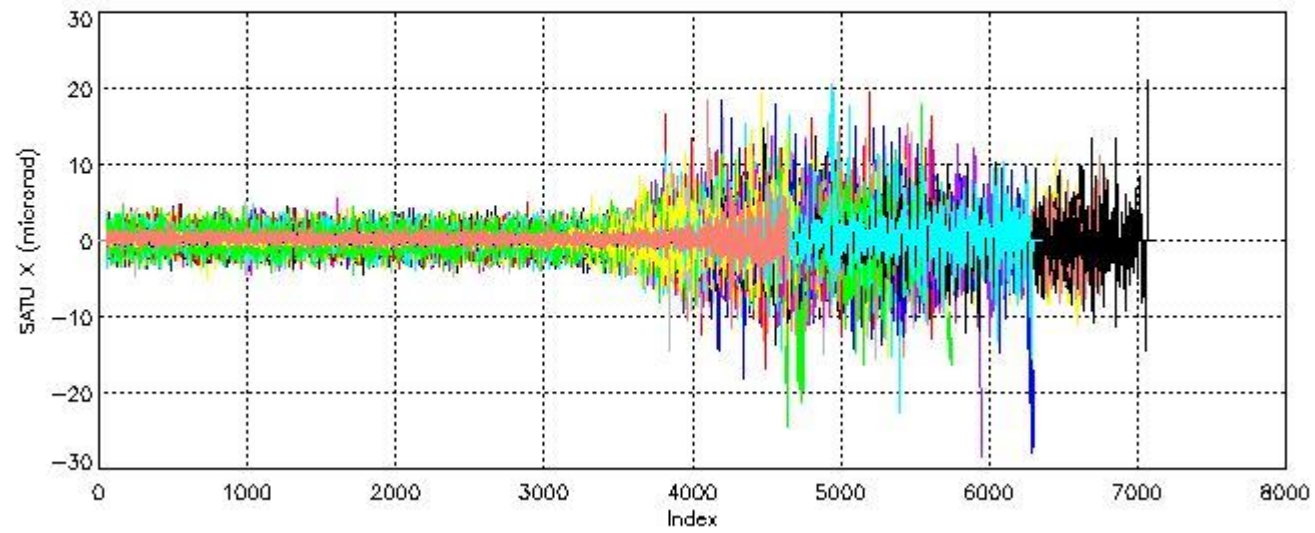


7. Star Acquisition and Tracking Unit (SATU)

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:	0.23961	-0.96351	0.25787	-1.0584
St. deviation:	0.46650	1.3848	0.80099	1.4385
Maximum:	4.9000	5.9000	13.400	15.600
Minimum:	-5.0000	-9.4000	-6.4000	-10.100

Number of data:	73600.	73600.	1.1515E+05	1.1515E+05
90Percentile:	0.80000	0.80000	1.3000	0.70000

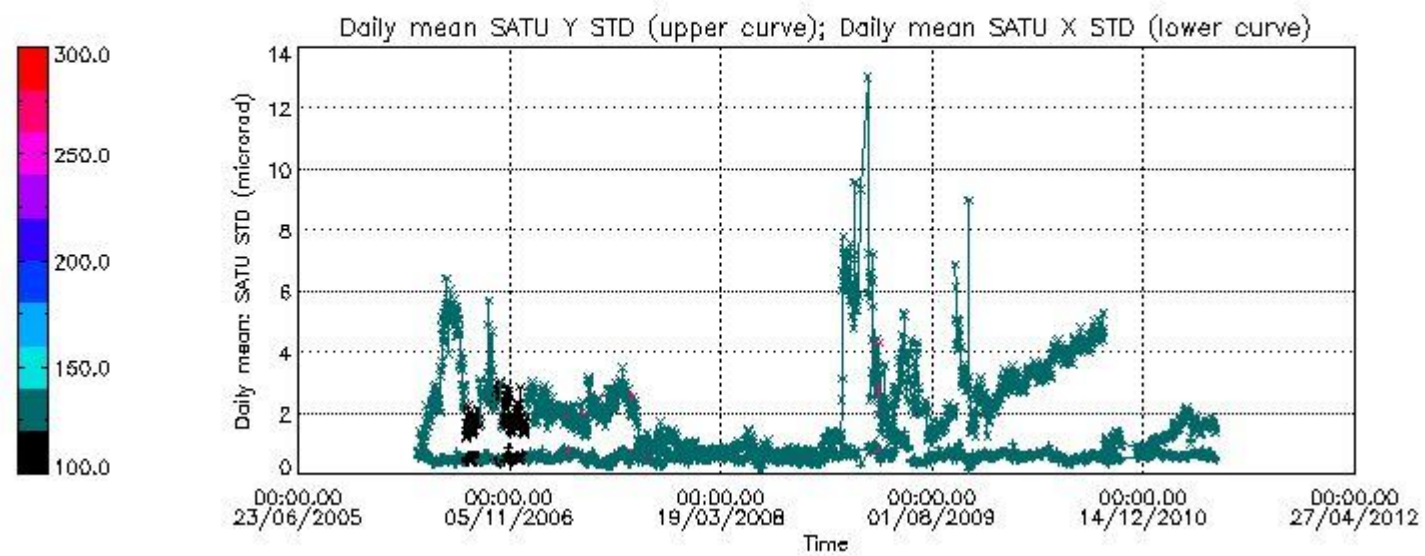
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

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

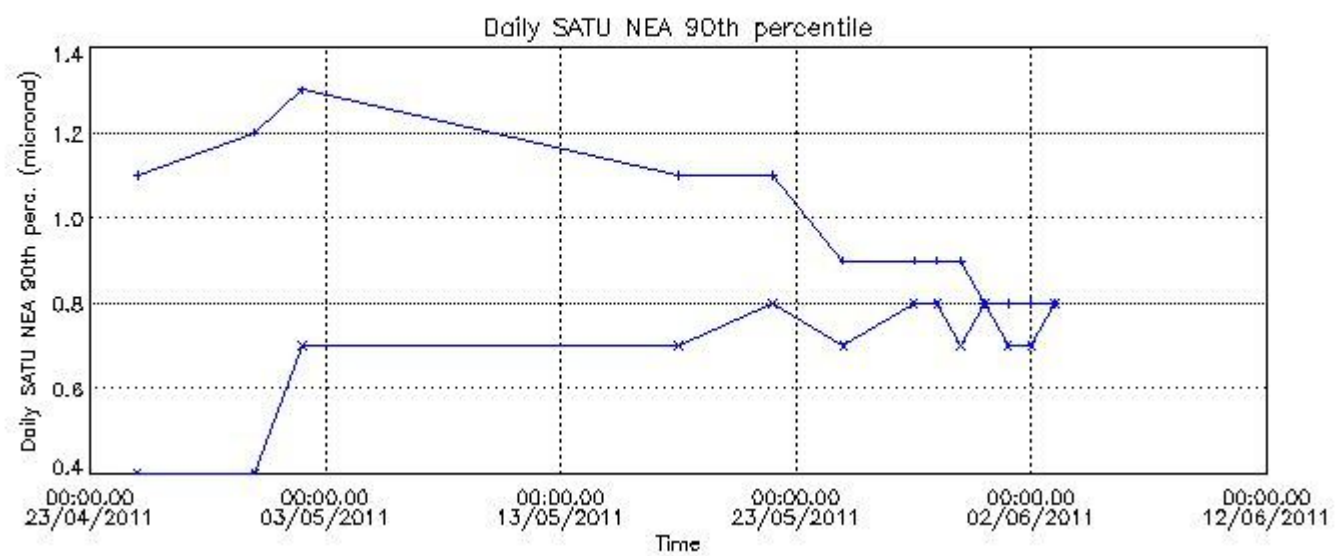
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

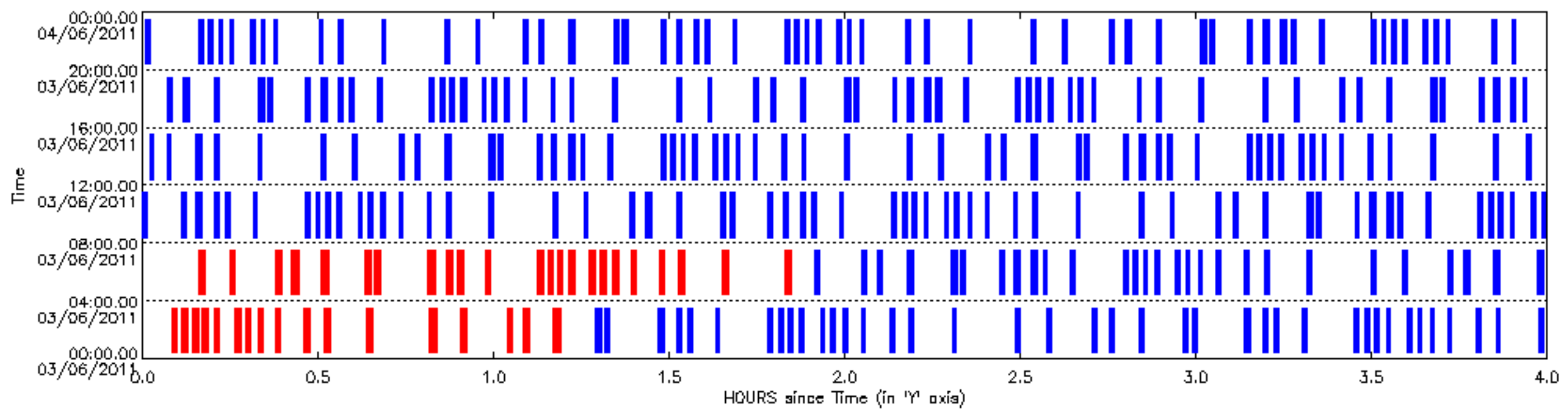
Upper curve: 90th percentile of SATU X axis

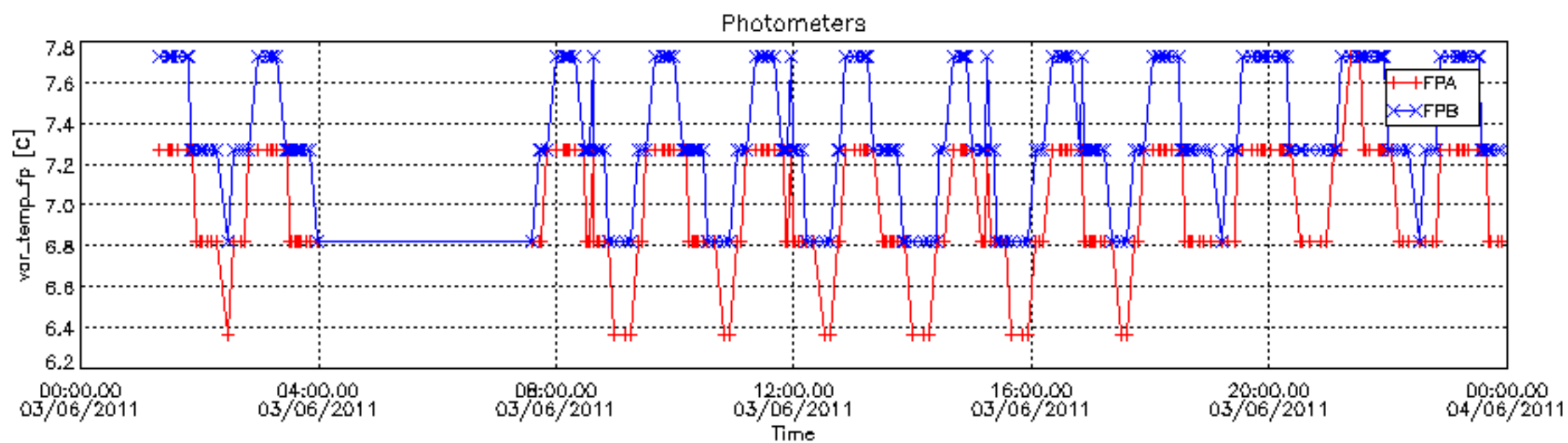
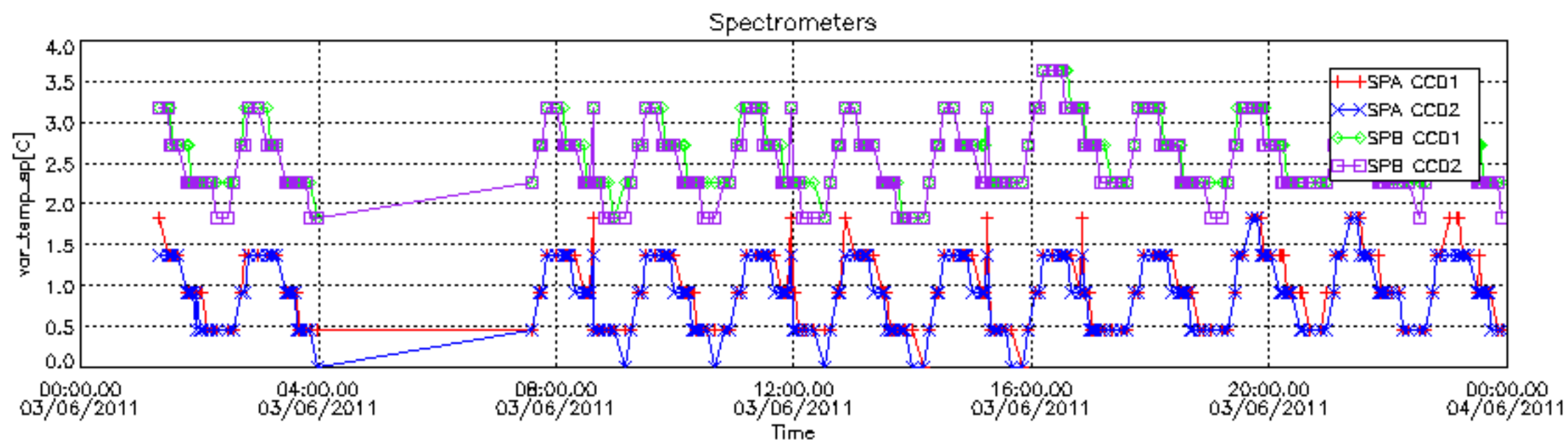


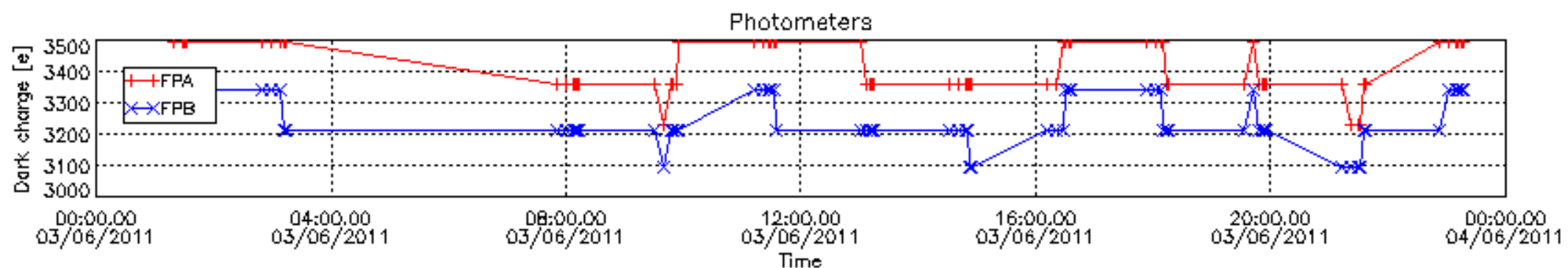
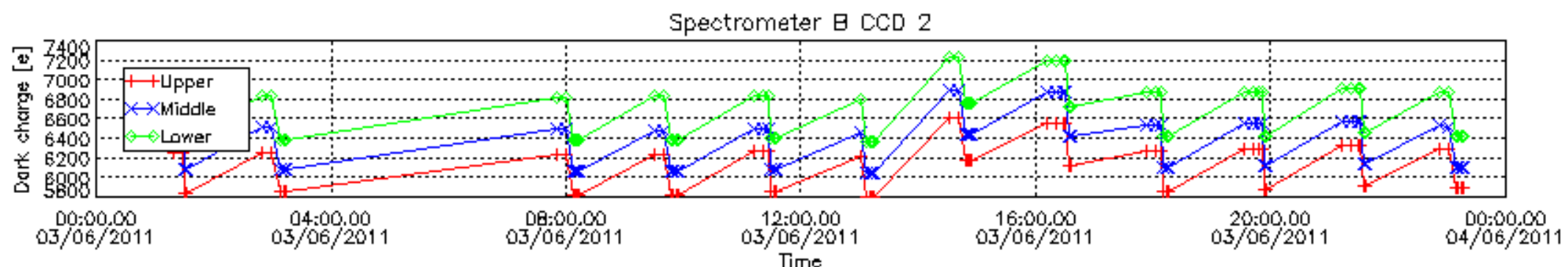
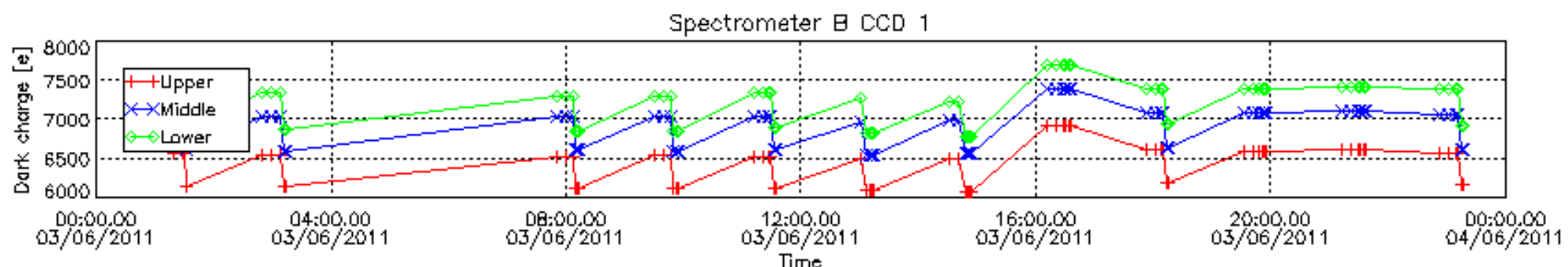
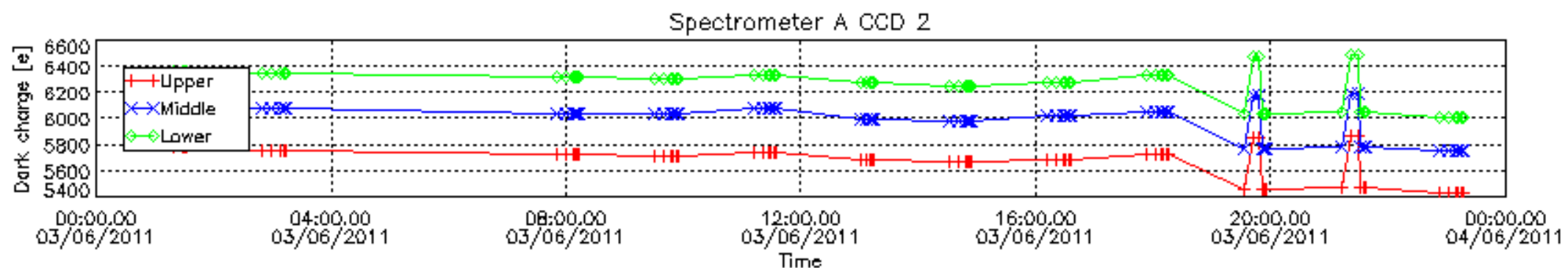
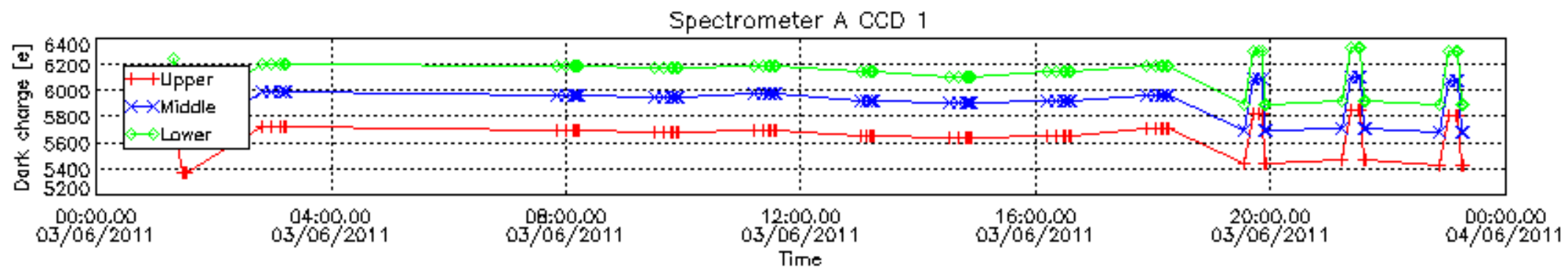
8. Auxiliary Data Files used for the production reported in section 2.4

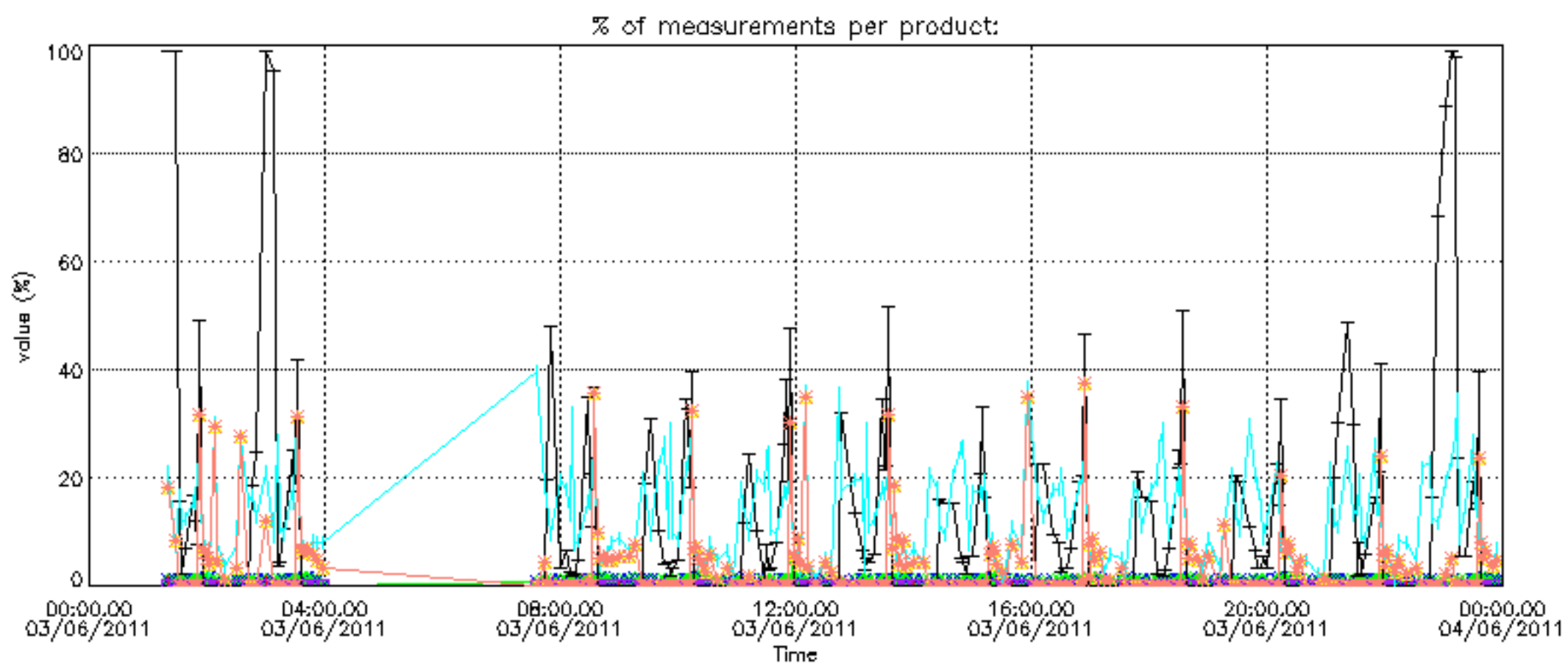
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	03-JUN-2011 01:19:01
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110601_080509_20110531_000000_20500101_000000	1	03-JUN-2011 01:19:01
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	03-JUN-2011 01:19:01
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	03-JUN-2011 01:19:01
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	03-JUN-2011 01:19:01
ECMWF_FILE	AUX_ECF_AXNECM20110602_062116_20110602_210000_20110603_090000	1	03-JUN-2011 01:19:01
ECMWF_FILE	AUX_ECA_AXNECM20110603_062114_20110602_210000_20110603_090000	38	03-JUN-2011 07:35:10
ECMWF_FILE	AUX_ECF_AXNECM20110602_182114_20110603_030000_20110603_150000	52	03-JUN-2011 08:36:43
ECMWF_FILE	AUX_ECF_AXNECM20110603_062114_20110603_090000_20110603_210000	75	03-JUN-2011 10:18:47
ECMWF_FILE	AUX_ECF_AXNECM20110603_062114_20110603_150000_20110604_030000	139	03-JUN-2011 15:14:09
ECMWF_FILE	AUX_ECA_AXNECM20110603_182114_20110603_090000_20110603_210000	159	03-JUN-2011 16:50:43
ECMWF_FILE	AUX_ECF_AXNECM20110603_062114_20110603_150000_20110604_030000	201	03-JUN-2011 20:09:26
ECMWF_FILE	AUX_ECF_AXNECM20110603_062115_20110603_210000_20110604_090000	216	03-JUN-2011 21:21:57
OPTIONAL_ECMWF_FILE	MISSING	1	03-JUN-2011 01:19:01
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ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110603_072743_000038253103_00121_48411_4730.N1	38	03-JUN-2011 07:35:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110603_083648_000057383103_00122_48412_4731.N1	52	03-JUN-2011 08:36:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110603_101745_000054193103_00123_48413_4732.N1	75	03-JUN-2011 10:18:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110603_115323_000057383103_00124_48414_4733.N1	96	03-JUN-2011 11:57:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110603_133420_000054193103_00125_48415_4734.N1	118	03-JUN-2011 13:37:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110603_150958_000057383103_00126_48416_4735.N1	139	03-JUN-2011 15:14:09
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110603_200212_000041443103_00129_48419_6133.N1	201	03-JUN-2011 20:09:26
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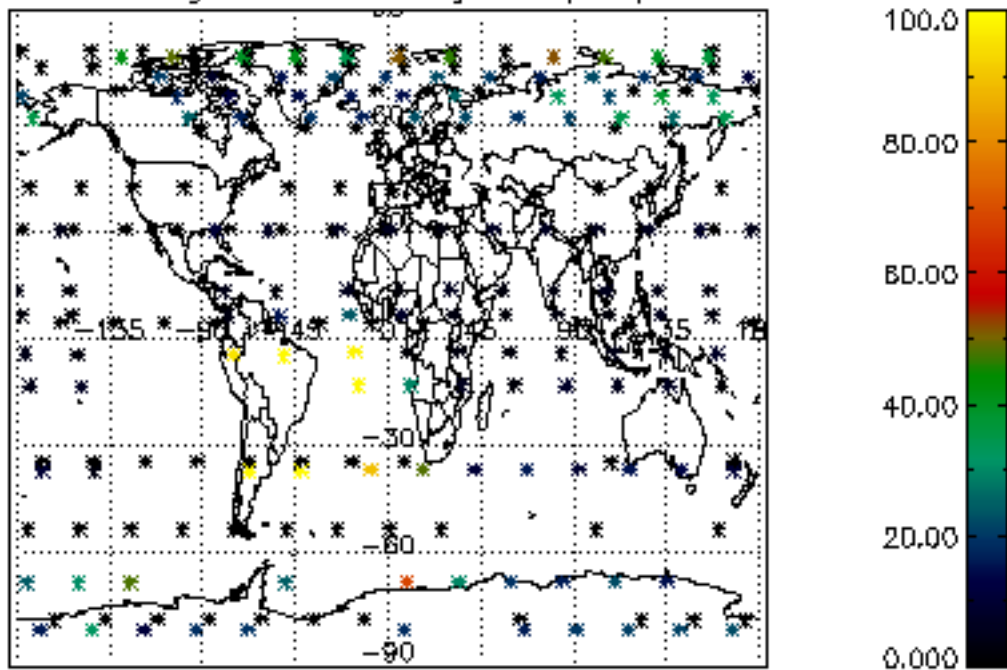




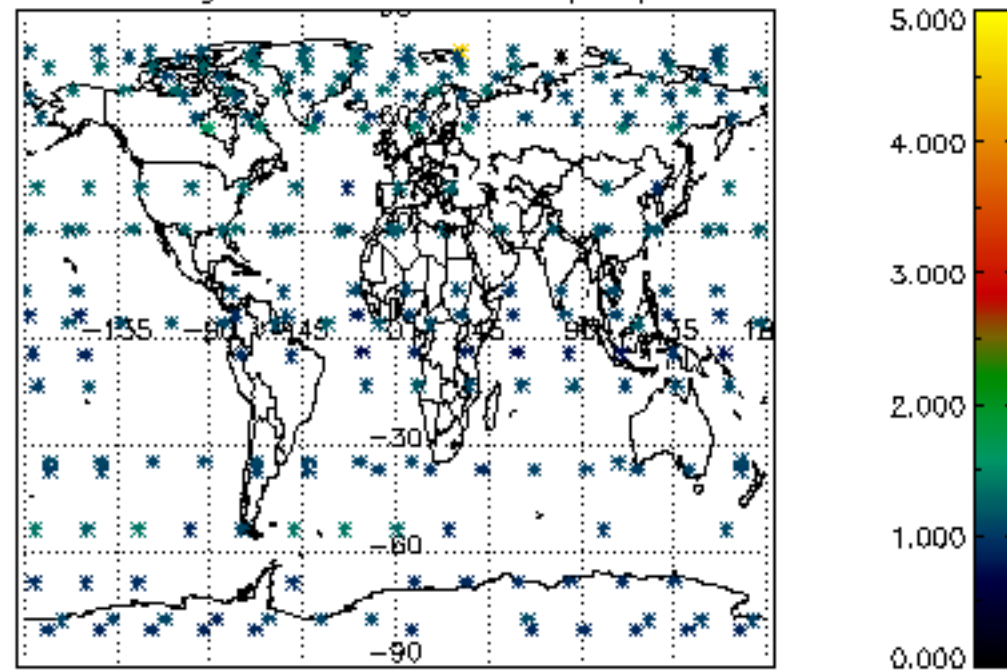




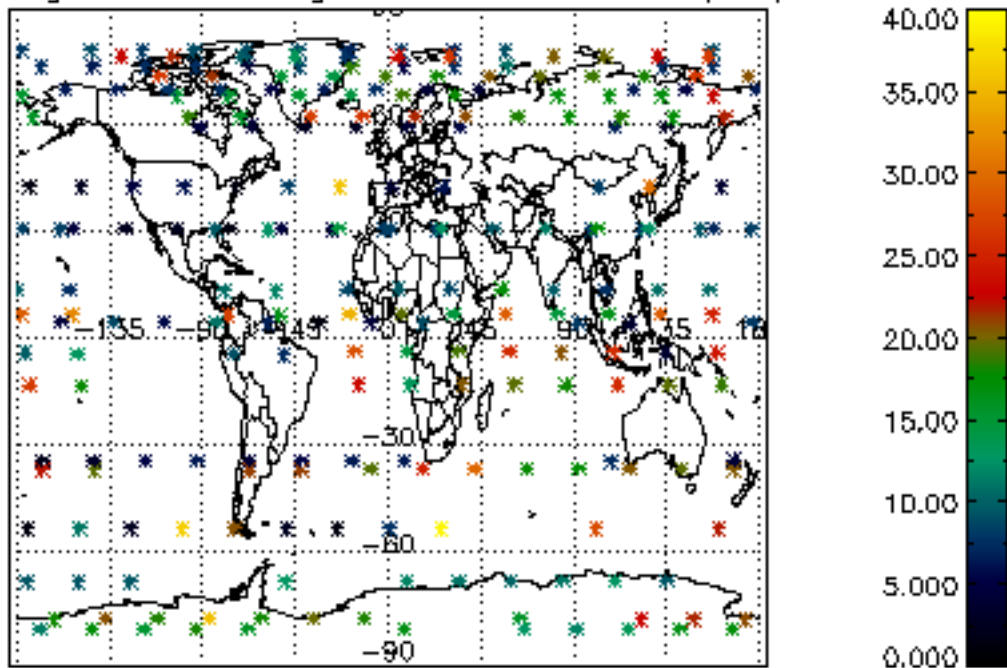
Percentage of cosmic ray hits per profile



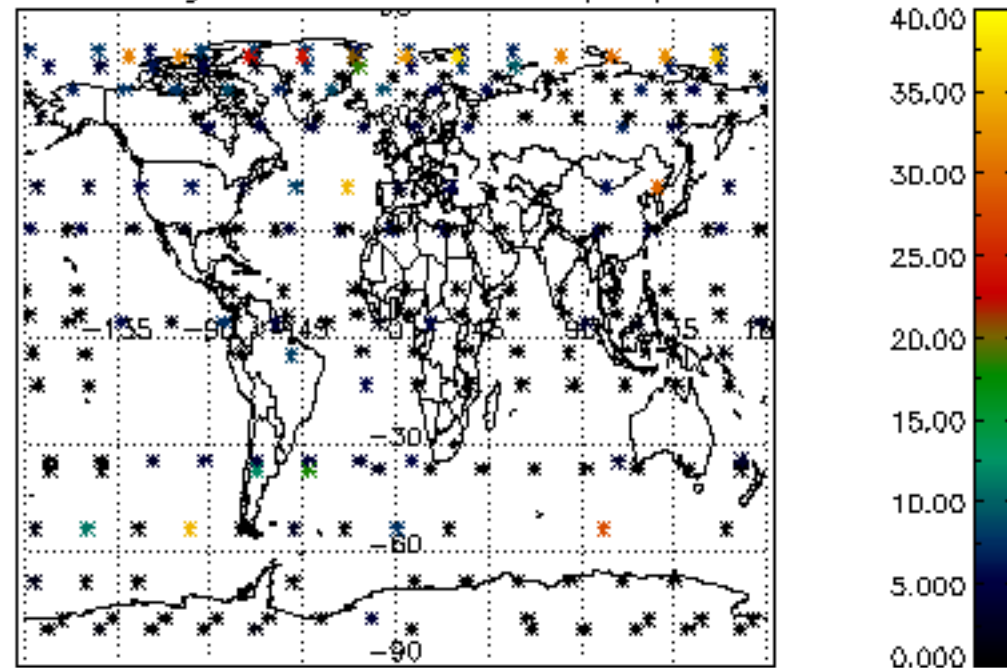
Percentage of datation errors per profile



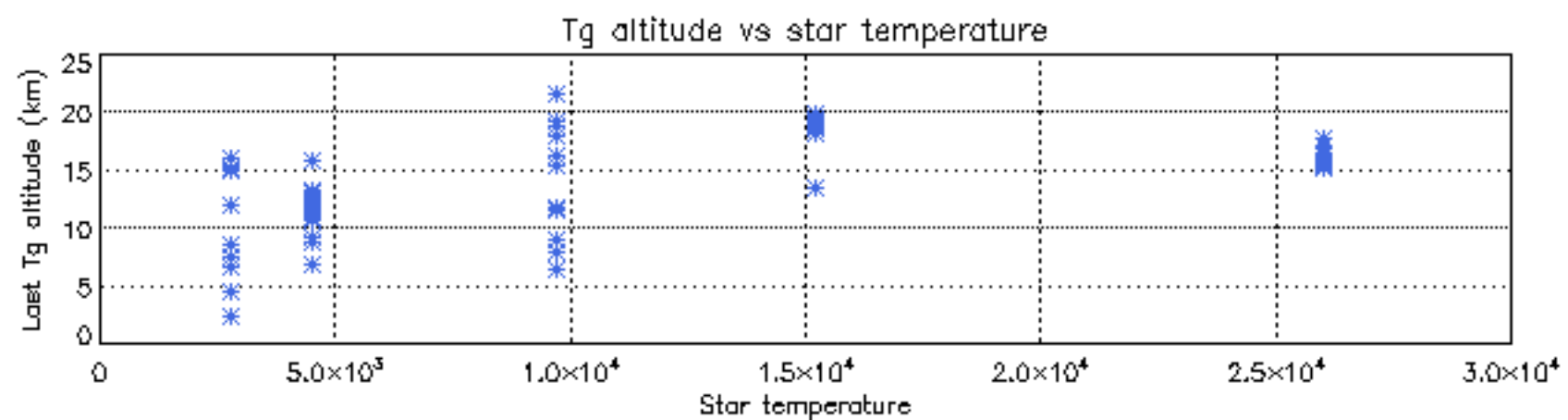
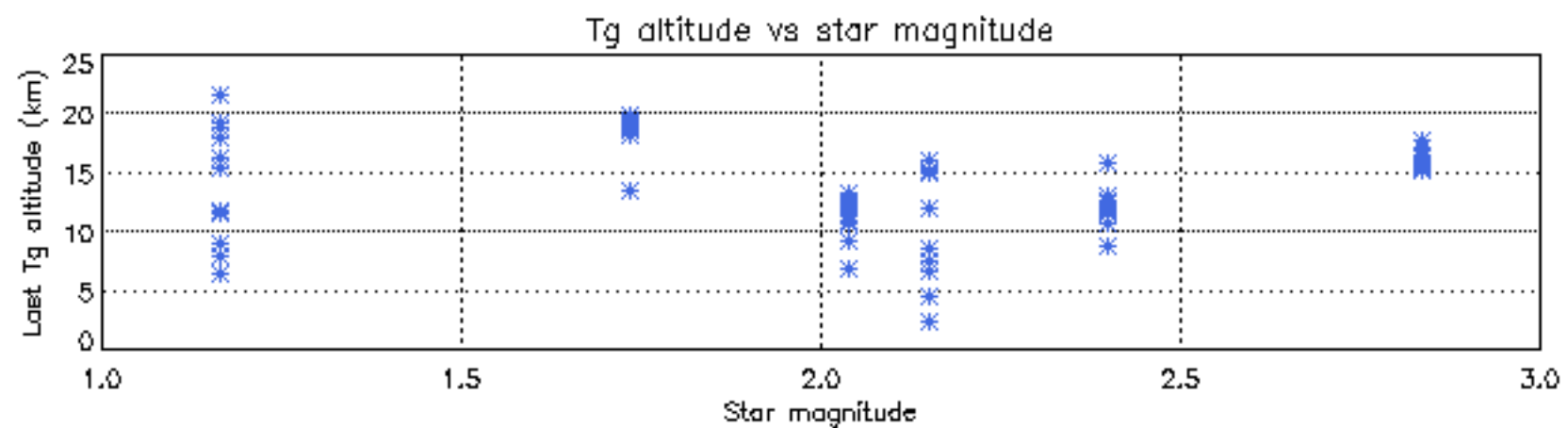
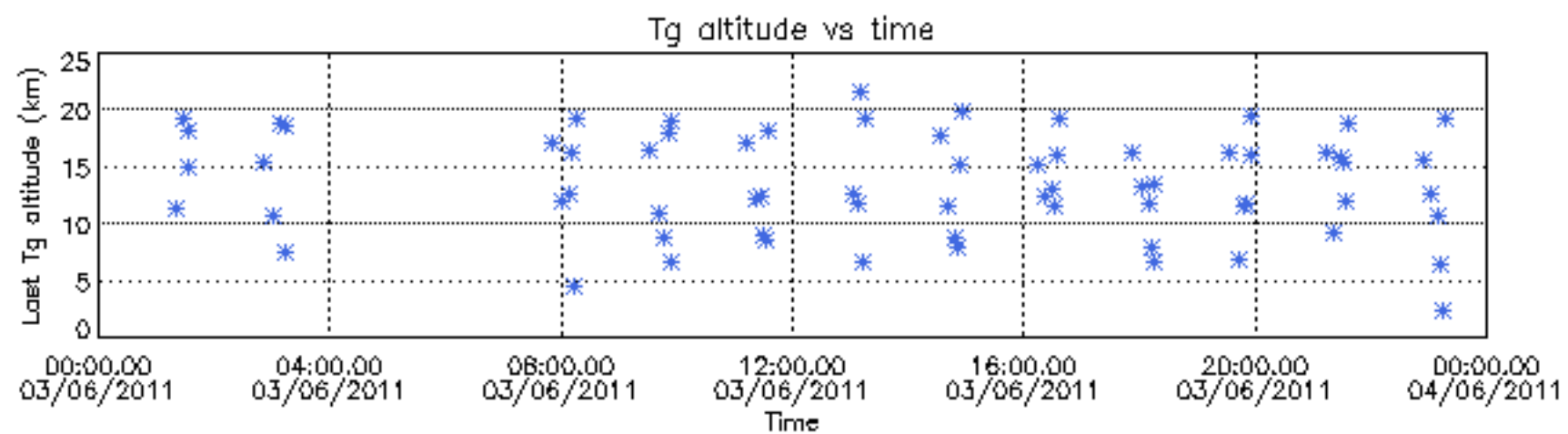
Percentage of star falling outside central band per profile



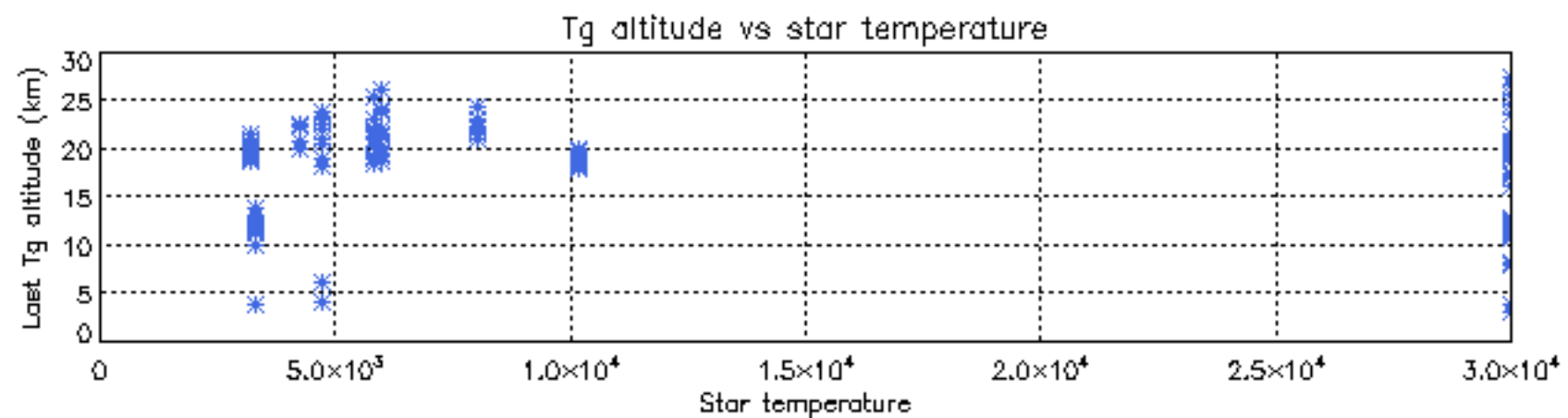
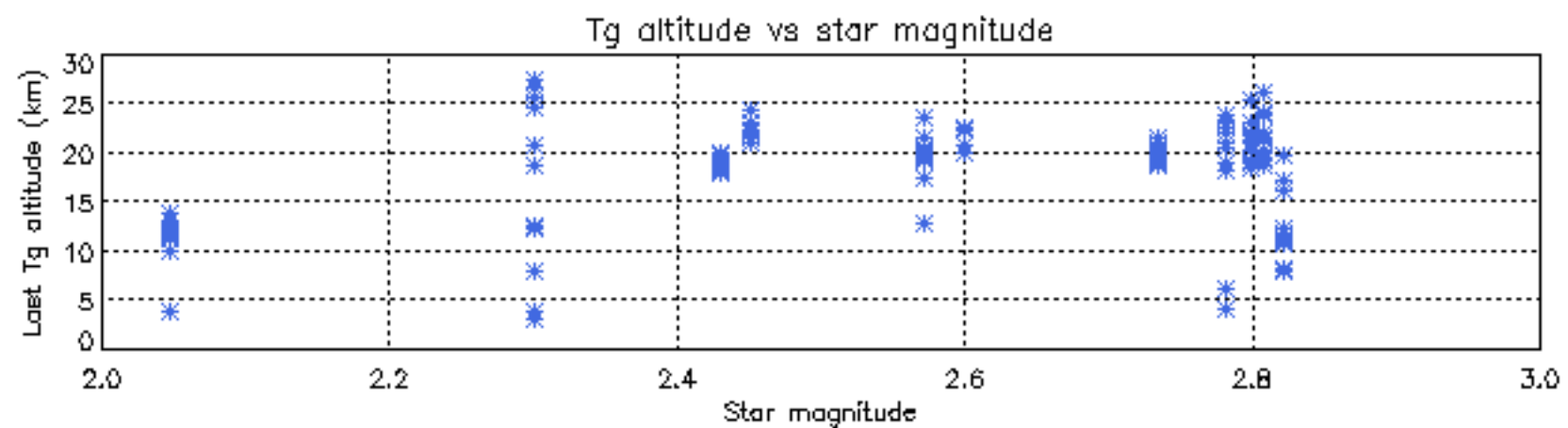
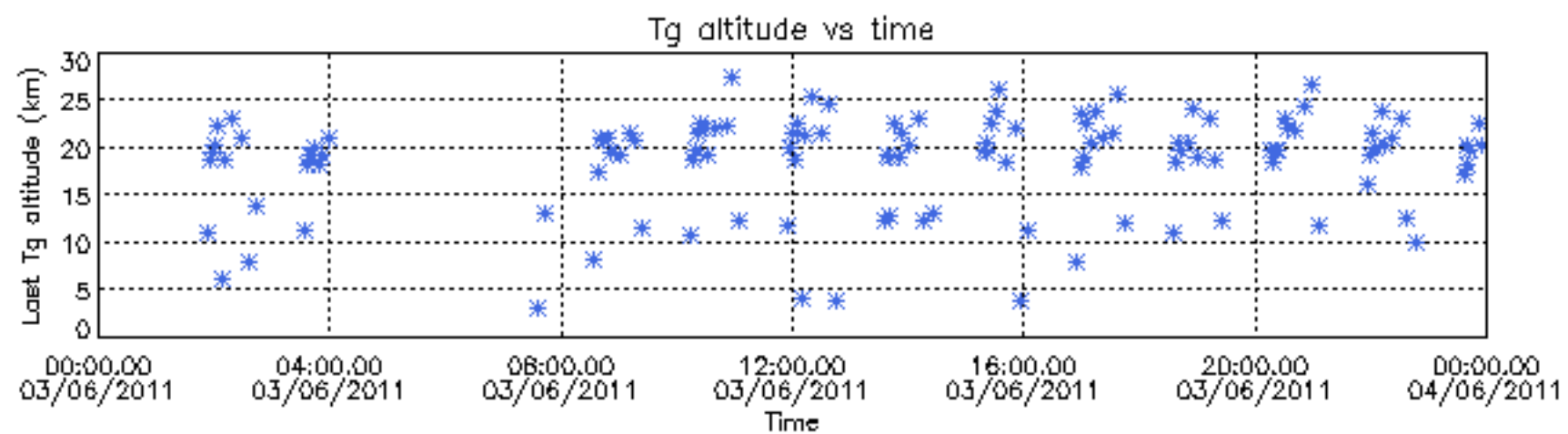
Percentage of saturation errors per profile

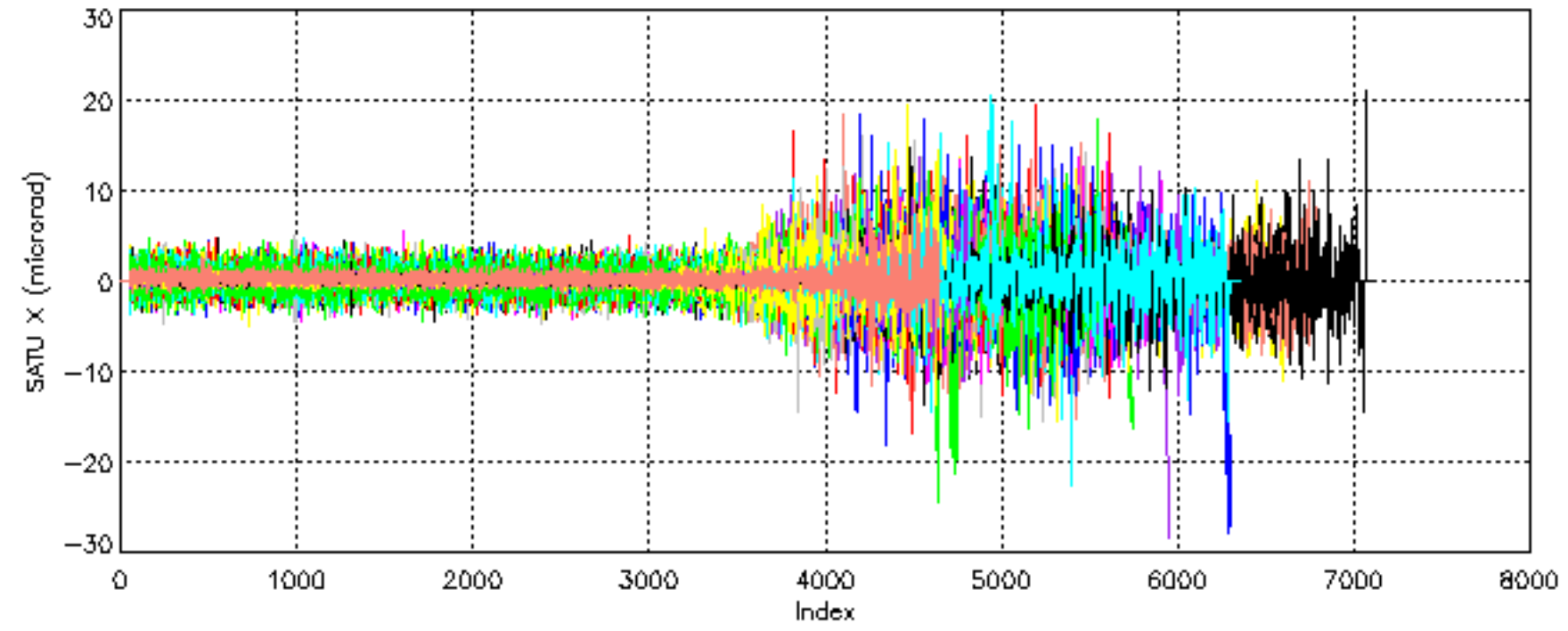


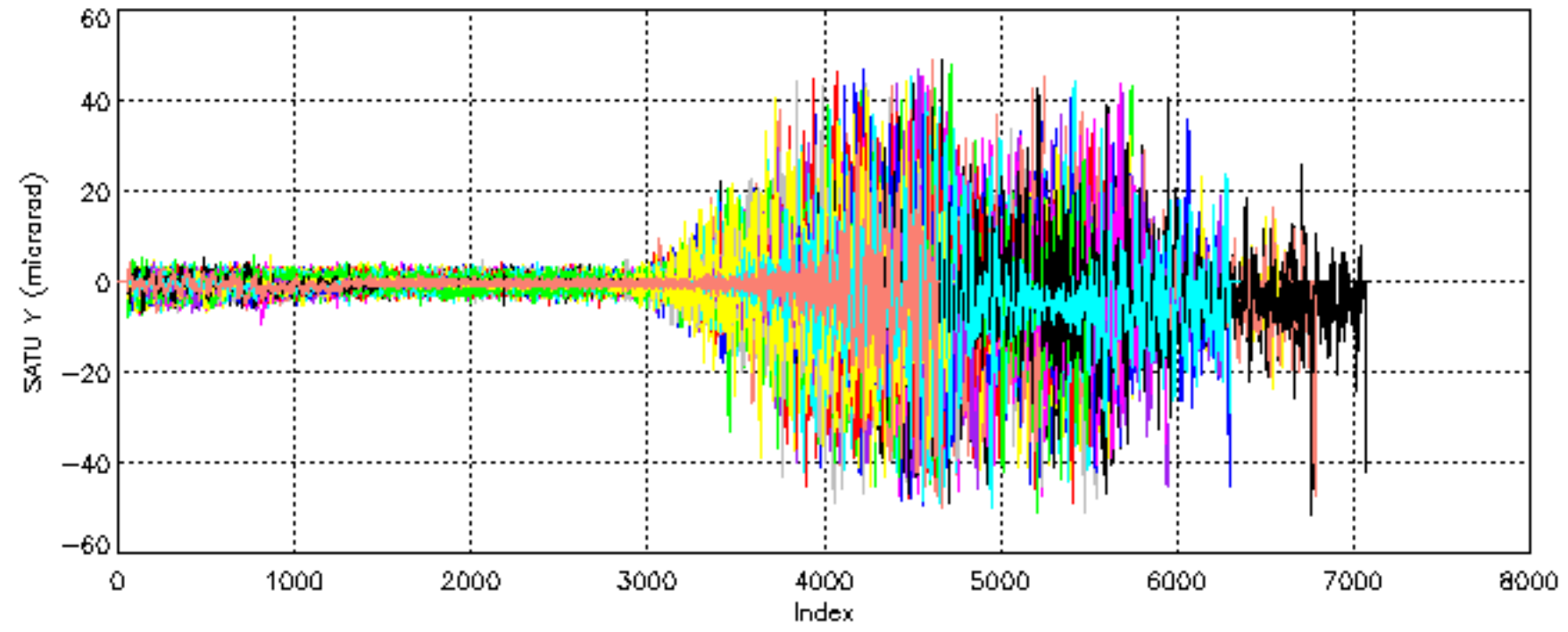
Tangent altitude at which the star is lost

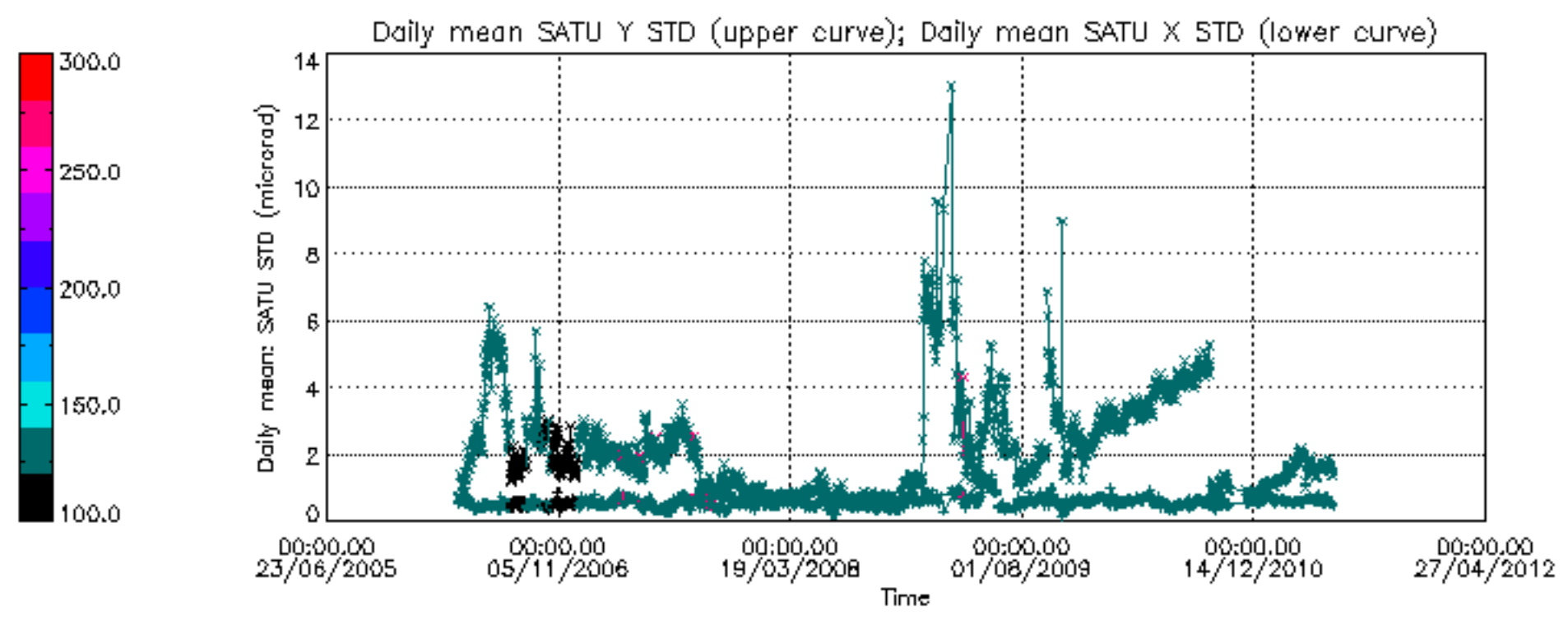


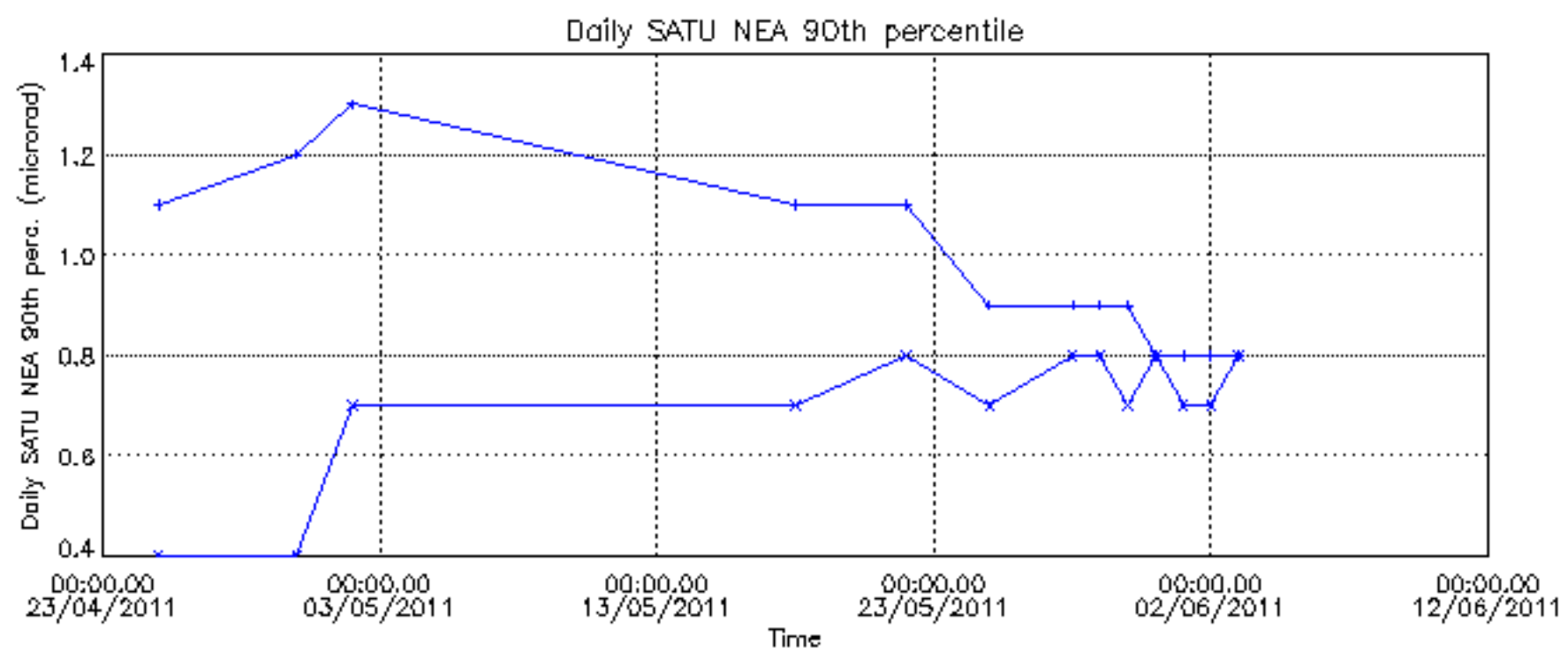
Tangent altitude at which the star is lost











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 7; 488.6; 01-JUN-2011 02:51:00; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48380
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 19; 1580.5; 01-JUN-2011 04:49:26; Bright; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;48381


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19; 7216.3; 16-JUN-2011 08:53:56; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48599
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8; 3935.4; 16-JUN-2011 09:39:29; Bright; 51.0; 68; 18Alp Cas ; 2.22; 4500;occ; 102; 0;48599
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7; 3850.5; 16-JUN-2011 11:18:18; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;48600
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9; 4248.7; 16-JUN-2011 11:24:57; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;48600
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26;	6431.1;	17-JUN-2011	03:03:25;	Dark	;	46.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	92;	0;	48610
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12; 5416.8; 24-JUN-2011 11:51:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48715
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14; 6024.7; 24-JUN-2011 12:01:22; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;48716
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16; 6533.1; 24-JUN-2011 12:09:50; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48716
17; 6709.3; 24-JUN-2011 12:12:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48716
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19; 7339.1; 24-JUN-2011 12:23:16; Dark ; 46.5; 116; 19Del Sgr ; 2.70; 4100;occ; 93; 0;48716
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2; 2116.1; 24-JUN-2011 12:36:27; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48716
3; 2681.3; 24-JUN-2011 12:45:52; Bright; 43.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 87; 0;48716
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12; 5417.5; 24-JUN-2011 13:31:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48716
13; 5702.3; 24-JUN-2011 13:36:13; Dark ; 72.5; 52; 16Bet Cet ; 2.04; 4500;occ; 145; 0;48716
14; 6025.7; 24-JUN-2011 13:41:36; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;48717
15; 6413.4; 24-JUN-2011 13:48:04; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48717
16; 6534.1; 24-JUN-2011 13:50:05; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48717
17; 6710.0; 24-JUN-2011 13:53:01; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48717
18; 7255.4; 24-JUN-2011 14:02:06; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48717
19; 7339.4; 24-JUN-2011 14:03:30; Dark ; 58.0; 116; 19Del Sgr ; 2.70; 4100;occ; 116; 0;48717
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5; 3379.8; 24-JUN-2011 14:37:45; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48717
6; 3803.4; 24-JUN-2011 14:44:48; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48717
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9; 4248.1; 24-JUN-2011 14:52:13; Bright; 44.5; 73; 57Gam1And ; 2.26; 13100;occ; 89; 0;48717
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 5; 2115.6; 24-JUN-2011 17:37:08; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;48719
 6; 2679.5; 24-JUN-2011 17:46:32; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48719
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 19; 6537.0; 24-JUN-2011 18:50:50; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48720
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 16; 5708.3; 24-JUN-2011 20:17:15; Dark ; 62.5; 52; 16Bet Cet ; 2.04; 4500;occ; 125; 0;48720
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5; 1326.8; 24-JUN-2011 22:24:42; Dark ; 56.0; 116; 19Del Sgr ; 2.70; 4100;occ; 112; 0;48722
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4; 2803.5; 26-JUN-2011 09:54:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48743
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 17; 7263.9; 26-JUN-2011 12:48:46; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48745
 18; 7346.7; 26-JUN-2011 12:50:09; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48745
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 13; 6053.4; 26-JUN-2011 14:08:50; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48746
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 11; 4933.5; 26-JUN-2011 15:30:24; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48746
 12; 5440.0; 26-JUN-2011 15:38:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48746
 13; 6054.2; 26-JUN-2011 15:49:05; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48747
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 3; 1459.6; 26-JUN-2011 16:12:44; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48747
 4; 1971.7; 26-JUN-2011 16:21:16; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48747
 5; 2112.7; 26-JUN-2011 16:23:37; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48747
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 4; 1971.6; 26-JUN-2011 18:01:30; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48748
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13; 1252.6; 27-JUN-2011 05:31:09; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48755
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2; 2110.6; 28-JUN-2011 11:49:39; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48773
3; 2648.8; 28-JUN-2011 11:58:37; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48773
4; 2797.5; 28-JUN-2011 12:01:06; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48773
5; 3341.5; 28-JUN-2011 12:10:09; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48773
6; 3776.9; 28-JUN-2011 12:17:25; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48773
7; 3875.9; 28-JUN-2011 12:19:04; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48773
8; 4043.1; 28-JUN-2011 12:21:51; Bright; 41.5; 160; 23Gam Per ; 2.93; 4700;occ; 83; 0;48773
9; 4245.9; 28-JUN-2011 12:25:14; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48773
10; 4400.0; 28-JUN-2011 12:27:48; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48773
11; 4647.3; 28-JUN-2011 12:31:55; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48773
12; 4943.5; 28-JUN-2011 12:36:52; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48773
13; 5461.5; 28-JUN-2011 12:45:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48773
14; 6080.6; 28-JUN-2011 12:55:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48774
15; 6469.2; 28-JUN-2011 13:02:17; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48774
16; 6587.0; 28-JUN-2011 13:04:15; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48774
17; 6739.7; 28-JUN-2011 13:06:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48774
18; 7272.1; 28-JUN-2011 13:15:40; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48774
19; 7354.0; 28-JUN-2011 13:17:02; Dark ; 45.5; 116; 19Del Sgr ; 2.70; 4100;occ; 91; 0;48774
20; 7479.1; 28-JUN-2011 13:19:07; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48774
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2; 2110.6; 28-JUN-2011 13:29:53; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48774
3; 2648.2; 28-JUN-2011 13:38:50; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48774
4; 2797.4; 28-JUN-2011 13:41:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48774
5; 3341.0; 28-JUN-2011 13:50:23; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48774
6; 3776.0; 28-JUN-2011 13:57:38; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48774
7; 3875.5; 28-JUN-2011 13:59:17; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48774
8; 4043.2; 28-JUN-2011 14:02:05; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;48774
9; 4245.7; 28-JUN-2011 14:05:28; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48774
10; 4400.2; 28-JUN-2011 14:08:02; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48774
11; 4647.8; 28-JUN-2011 14:12:10; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48774
12; 4943.8; 28-JUN-2011 14:17:06; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48774
13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
14; 6081.8; 28-JUN-2011 14:36:04; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48775
15; 6470.3; 28-JUN-2011 14:42:32; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48775
16; 6587.8; 28-JUN-2011 14:44:30; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48775
17; 6740.3; 28-JUN-2011 14:47:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48775
18; 7272.4; 28-JUN-2011 14:55:54; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;48775
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3; 1970.3; 28-JUN-2011 15:07:46; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48775
4; 2110.2; 28-JUN-2011 15:10:06; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;48775
5; 2647.9; 28-JUN-2011 15:19:04; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48775
6; 2797.3; 28-JUN-2011 15:21:33; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48775
7; 3340.4; 28-JUN-2011 15:30:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48775
8; 3775.8; 28-JUN-2011 15:37:52; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48775
9; 3875.4; 28-JUN-2011 15:39:31; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48775

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 11; 4245.6; 28-JUN-2011 15:45:42; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48775
 12; 4400.1; 28-JUN-2011 15:48:16; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48775
 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
 14; 4944.6; 28-JUN-2011 15:57:20; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48775
 15; 5463.3; 28-JUN-2011 16:05:59; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48775
 16; 6082.7; 28-JUN-2011 16:16:19; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;48776
 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
 18; 6589.0; 28-JUN-2011 16:24:45; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48776
 19; 6740.9; 28-JUN-2011 16:27:17; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48776

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 2; 1340.6; 28-JUN-2011 16:37:31; Dark ; 52.0; 116; 19Del Sgr ; 2.70; 4100;occ; 104; 0;48776
 3; 1465.4; 28-JUN-2011 16:39:35; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48776
 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
 5; 2110.1; 28-JUN-2011 16:50:20; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48776
 6; 2647.3; 28-JUN-2011 16:59:17; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48776
 7; 2797.0; 28-JUN-2011 17:01:47; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48776
 8; 3339.4; 28-JUN-2011 17:10:49; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48776
 9; 3775.3; 28-JUN-2011 17:18:05; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;48776
 10; 3874.9; 28-JUN-2011 17:19:45; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48776
 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776
 12; 4245.7; 28-JUN-2011 17:25:56; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48776
 13; 4400.0; 28-JUN-2011 17:28:30; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48776
 14; 4648.3; 28-JUN-2011 17:32:38; Dark ; 59.5; 50; 13Alp Ari ; 2.01; 4250;occ; 119; 0;48776
 15; 4944.8; 28-JUN-2011 17:37:35; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48776
 16; 5464.1; 28-JUN-2011 17:46:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48776
 17; 6083.7; 28-JUN-2011 17:56:34; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48777
 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777
 19; 6589.9; 28-JUN-2011 18:05:00; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48777
 20; 6741.2; 28-JUN-2011 18:07:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48777

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 3; 1465.6; 28-JUN-2011 18:19:50; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48777
 4; 1970.3; 28-JUN-2011 18:28:14; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48777
 5; 2110.0; 28-JUN-2011 18:30:34; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48777
 6; 2646.8; 28-JUN-2011 18:39:31; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48777
 7; 2796.6; 28-JUN-2011 18:42:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48777
 8; 3338.8; 28-JUN-2011 18:51:03; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48777
 9; 3774.8; 28-JUN-2011 18:58:19; Bright; 53.5; 74; 11Bet Cas ; 2.27; 6600;occ; 107; 0;48777
 10; 3874.3; 28-JUN-2011 18:59:58; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48777
 11; 4042.8; 28-JUN-2011 19:02:47; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;48777
 12; 4245.4; 28-JUN-2011 19:06:09; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;48777
 13; 4400.1; 28-JUN-2011 19:08:44; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48777
 14; 4648.4; 28-JUN-2011 19:12:52; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48777
 15; 4945.0; 28-JUN-2011 19:17:49; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48777
 16; 5464.9; 28-JUN-2011 19:26:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48777
 17; 6084.6; 28-JUN-2011 19:36:49; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;48778
 18; 6473.3; 28-JUN-2011 19:43:17; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48778
 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778
 20; 6741.5; 28-JUN-2011 19:47:46; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48778

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 3; 462.1; 29-JUN-2011 00:44:02; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48781
 4; 579.2; 29-JUN-2011 00:45:59; Dark ; 59.5; 31; Alp Gru ; 1.73; 15200;occ; 119; 0;48781
 5; 728.9; 29-JUN-2011 00:48:29; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48781
 6; 1259.5; 29-JUN-2011 00:57:19; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48781
 7; 1341.6; 29-JUN-2011 00:58:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48781
 8; 1466.4; 29-JUN-2011 01:00:46; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48781
 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781
 10; 2109.6; 29-JUN-2011 01:11:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48781
 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781
 12; 2644.5; 29-JUN-2011 01:20:24; Bright; 62.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 124; 0;48781
 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781
 14; 3336.0; 29-JUN-2011 01:31:56; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48781
 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48781

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17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
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19; 4400.2; 29-JUN-2011 01:49:40; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48781
20; 4649.8; 29-JUN-2011 01:53:50; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48781
21; 4946.8; 29-JUN-2011 01:58:47; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48781
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 3; 463.1; 29-JUN-2011 02:24:17; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48782
 4; 580.1; 29-JUN-2011 02:26:14; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48782
 5; 729.6; 29-JUN-2011 02:28:43; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48782
 6; 1300.2; 29-JUN-2011 02:38:14; Dark ; 48.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 96; 0;48782
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 8; 1969.9; 29-JUN-2011 02:49:24; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48782
 9; 2109.6; 29-JUN-2011 02:51:43; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48782
10; 2226.4; 29-JUN-2011 02:53:40; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48782
11; 2644.0; 29-JUN-2011 03:00:38; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48782
12; 2795.8; 29-JUN-2011 03:03:10; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;48782
13; 3335.3; 29-JUN-2011 03:12:09; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48782
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 3;-1971.4; 29-JUN-2011 03:23:56; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;48782
 4;-1769.0; 29-JUN-2011 03:27:19; Bright; 55.5; 73; 57Gam1And ; 2.26; 13100;occ; 111; 0;48782
 5;-1613.4; 29-JUN-2011 03:29:54; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48782
 6;-1363.7; 29-JUN-2011 03:34:04; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48782
 7;-1066.8; 29-JUN-2011 03:39:01; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48782
 8; -544.9; 29-JUN-2011 03:47:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48782
 9; 75.8; 29-JUN-2011 03:58:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48783
10; 464.1; 29-JUN-2011 04:04:32; Dark ; 63.0; 63; Bet Gru ; 2.15; 2800;occ; 126; 0;48783
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12; 730.4; 29-JUN-2011 04:08:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48783
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17; 2226.0; 29-JUN-2011 04:33:54; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48783
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19; 2796.0; 29-JUN-2011 04:43:24; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48783
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 2;-2142.1; 29-JUN-2011 05:01:20; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48783
 3;-1971.4; 29-JUN-2011 05:04:11; Bright; 35.0; 160; 23Gam Per ; 2.93; 4700;occ; 70; 0;48783
 4;-1769.0; 29-JUN-2011 05:07:33; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48783
 5;-1613.3; 29-JUN-2011 05:10:09; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48783
 6;-1363.4; 29-JUN-2011 05:14:18; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48783
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12; 730.8; 29-JUN-2011 05:49:13; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48784
13; 1300.7; 29-JUN-2011 05:58:43; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48784
14; 1467.5; 29-JUN-2011 06:01:29; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48784
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16; 2109.8; 29-JUN-2011 06:12:12; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48784
17; 2225.4; 29-JUN-2011 06:14:07; Bright; 46.0; 168; 17Zet Aql ; 2.99; 11000;occ; 92; 0;48784
18; 2643.0; 29-JUN-2011 06:21:05; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48784
19; 2795.8; 29-JUN-2011 06:23:38; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48784
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 4; 2109.3; 29-JUN-2011 21:14:17; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48793
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12; 4042.1; 29-JUN-2011 21:46:30; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48793
13; 4244.4; 29-JUN-2011 21:49:52; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48793
14; 4401.2; 29-JUN-2011 21:52:29; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48793
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4; 591.2; 29-JUN-2011 22:29:13; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48794
5; 735.7; 29-JUN-2011 22:31:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48794
6; 1303.8; 29-JUN-2011 22:41:06; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48794
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8; 1969.7; 29-JUN-2011 22:52:11; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48794
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13; 2908.7; 29-JUN-2011 23:07:50; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48794
14; 3327.4; 29-JUN-2011 23:14:49; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48794
15; 3867.2; 29-JUN-2011 23:23:49; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48794
16; 4042.1; 29-JUN-2011 23:26:44; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48794
17; 4244.4; 29-JUN-2011 23:30:06; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48794
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19; 4653.9; 29-JUN-2011 23:36:56; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48794
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9; 77.8; 29-JUN-2011 07:18:34; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;48785
10; 466.1; 29-JUN-2011 07:25:02; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48785
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12; 731.4; 29-JUN-2011 07:29:27; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48785
13; 1301.2; 29-JUN-2011 07:38:57; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48785
14; 1467.3; 29-JUN-2011 07:41:43; Bright; 44.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 89; 0;48785
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3; 2224.6; 29-JUN-2011 07:54:20; Bright; 46.0; 168; 17Zet Aql ; 2.99; 11000;occ; 92; 0;48785
4; 2642.8; 29-JUN-2011 08:01:19; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48785
5; 2795.4; 29-JUN-2011 08:03:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48785
6; 3333.5; 29-JUN-2011 08:12:49; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48785
7; 3770.6; 29-JUN-2011 08:20:07; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48785
8; 3871.0; 29-JUN-2011 08:21:47; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;48785
9; 4042.5; 29-JUN-2011 08:24:38; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48785
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13; 4948.5; 29-JUN-2011 08:39:44; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48785
14; 5471.6; 29-JUN-2011 08:48:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48785
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16; 6481.1; 29-JUN-2011 09:05:17; Dark ; 65.0; 63; Bet Gru ; 2.15; 2800;occ; 130; 0;48786
17; 6598.0; 29-JUN-2011 09:07:14; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48786
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19; 7315.7; 29-JUN-2011 09:19:12; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;48786
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 3; 2224.1; 29-JUN-2011 09:34:34; Bright; 50.0; 168; 17Zet Aql ; 2.99; 11000;occ; 100; 0;48786
 4; 2642.3; 29-JUN-2011 09:41:32; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48786
 5; 2795.4; 29-JUN-2011 09:44:05; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48786
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 13; 5472.4; 29-JUN-2011 10:28:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48786
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 15; 6482.1; 29-JUN-2011 10:45:32; Dark ; 69.0; 63; Bet Gru ; 2.15; 2800;occ; 138; 0;48787
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 4; 2641.7; 29-JUN-2011 11:21:46; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48787
 5; 2795.2; 29-JUN-2011 11:24:19; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48787
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 13; 5473.3; 29-JUN-2011 12:08:57; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48787
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 3; 2223.3; 29-JUN-2011 12:55:01; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48788
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 5; 2795.1; 29-JUN-2011 13:04:33; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48788
 6; 2914.0; 29-JUN-2011 13:06:32; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48788
 7; 3769.2; 29-JUN-2011 13:20:47; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48788
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 3; 2222.7; 29-JUN-2011 14:35:14; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;48789
 4; 2640.8; 29-JUN-2011 14:42:13; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48789
 5; 2795.0; 29-JUN-2011 14:44:47; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48789
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13; 4145.4; 30-JUN-2011 21:11:29; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48807
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16; 4658.3; 30-JUN-2011 21:20:02; Dark ; 59.0; 50; 13Alp Ari ; 2.01; 4250;occ; 118; 0;48807
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11; 595.7; 30-JUN-2011 06:50:27; Dark ; 58.0; 31; Alp Gru ; 1.73; 15200;occ; 116; 0;48799
12; 738.3; 30-JUN-2011 06:52:50; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48799
13; 1305.5; 30-JUN-2011 07:02:17; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48799
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3; 2217.4; 30-JUN-2011 07:17:29; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;48799
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6; 2904.5; 30-JUN-2011 07:28:56; Bright; 54.0; 144; 18Del Cyg ; 2.86; 11000;occ; 108; 0;48799
7; 3324.1; 30-JUN-2011 07:35:56; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48799
8; 3763.5; 30-JUN-2011 07:43:15; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;48799
9; 3856.2; 30-JUN-2011 07:44:48; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48799
10; 4042.0; 30-JUN-2011 07:47:54; Bright; 42.0; 160; 23Gam Per ; 2.93; 4700;occ; 84; 0;48799

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 13; 4655.6; 30-JUN-2011 07:58:07; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48799
 14; 4954.2; 30-JUN-2011 08:03:06; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 0;48799
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 3; 2216.8; 30-JUN-2011 08:57:43; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;48800
 4; 2635.4; 30-JUN-2011 09:04:41; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48800
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 6; 2903.7; 30-JUN-2011 09:09:09; Bright; 61.0; 144; 18Del Cyg ; 2.86; 11000;occ; 122; 0;48800
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 8; 3763.0; 30-JUN-2011 09:23:29; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;48800
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 12; 4244.1; 30-JUN-2011 09:31:30; Bright; 57.5; 73; 57Gam1And ; 2.26; 13100;occ; 115; 0;48800
 13; 4401.8; 30-JUN-2011 09:34:08; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48800
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 18; 6495.6; 30-JUN-2011 10:09:01; Dark ; 66.0; 63; Bet Gru ; 2.15; 2800;occ; 132; 0;48801
 19; 6611.5; 30-JUN-2011 10:10:57; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;48801
 20; 6753.2; 30-JUN-2011 10:13:19; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;48801
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 6; 2902.7; 30-JUN-2011 10:49:22; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;48801
 7; 3322.9; 30-JUN-2011 10:56:23; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;48801
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 9; 3855.7; 30-JUN-2011 11:05:15; Bright; 41.0; 110; 37Del Cas ; 2.68; 8900;occ; 82; 0;48801
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 11; 4145.1; 30-JUN-2011 11:10:05; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;48801
 12; 4244.0; 30-JUN-2011 11:11:44; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48801
 13; 4401.8; 30-JUN-2011 11:14:21; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48801
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 7; 3322.2; 30-JUN-2011 12:36:36; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48802
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 9; 3855.4; 30-JUN-2011 12:45:29; Bright; 63.0; 110; 37Del Cas ; 2.68; 8900;occ; 126; 0;48802
 10; 4041.8; 30-JUN-2011 12:48:35; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;48802

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13;	4402.0;	30-JUN-2011	12:54:36;	Dark	;	47.0;	173;	4Bet Tri	;	3.00;	8900;occ;	94;	0;48802
14;	4656.7;	30-JUN-2011	12:58:50;	Dark	;	56.0;	50;	13Alp Ari	;	2.01;	4250;occ;	112;	0;48802
15;	4955.4;	30-JUN-2011	13:03:49;	Dark	;	51.5;	94;	92Alp Cet	;	2.53;	3100;occ;	103;	0;48802
16;	5486.3;	30-JUN-2011	13:12:40;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;48802
17;	6110.1;	30-JUN-2011	13:23:04;	Dark	;	50.5;	84;	Alp Phe	;	2.40;	4500;occ;	101;	0;48803
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19;	6613.3;	30-JUN-2011	13:31:27;	Dark	;	48.5;	31;	Alp Gru	;	1.73;	15200;occ;	97;	0;48803
20;	6754.2;	30-JUN-2011	13:33:48;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;48803
21;	7320.6;	30-JUN-2011	13:43:14;	Dark	;	44.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	88;	0;48803
22;	7485.0;	30-JUN-2011	13:45:59;	Bright;	45.5;	155;	41Pi Sgr	;	2.90;	6600;occ;	91;	0;48803	
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4;	2634.0;	30-JUN-2011	14:05:22;	Bright;	45.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	91;	0;48803	
5;	2792.8;	30-JUN-2011	14:08:00;	Bright;	38.5;	130;	23Bet Dra	;	2.80;	5800;occ;	77;	0;48803	
6;	2901.2;	30-JUN-2011	14:09:49;	Bright;	49.5;	144;	18Del Cyg	;	2.86;	11000;occ;	99;	0;48803	
7;	3321.6;	30-JUN-2011	14:16:49;	Bright;	43.5;	89;	5Alp Cep	;	2.45;	8000;occ;	87;	0;48803	
8;	3761.5;	30-JUN-2011	14:24:09;	Bright;	68.0;	74;	11Bet Cas	;	2.27;	6600;occ;	136;	0;48803	
9;	3855.1;	30-JUN-2011	14:25:43;	Bright;	56.0;	110;	37Del Cas	;	2.68;	8900;occ;	112;	0;48803	
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12;	4243.9;	30-JUN-2011	14:32:11;	Bright;	47.5;	73;	57Gam1And	;	2.26;	13100;occ;	95;	0;48803	
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15;	4955.9;	30-JUN-2011	14:44:03;	Dark	;	48.5;	94;	92Alp Cet	;	2.53;	3100;occ;	97;	0;48803
16;	5487.2;	30-JUN-2011	14:52:55;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;48803
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19;	6614.2;	30-JUN-2011	15:11:42;	Dark	;	53.0;	31;	Alp Gru	;	1.73;	15200;occ;	106;	0;48804
20;	6754.7;	30-JUN-2011	15:14:02;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;48804
21;	7320.9;	30-JUN-2011	15:23:28;	Dark	;	40.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	81;	0;48804
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3;	2109.0;	30-JUN-2011	15:36:51;	Bright;	39.5;	59;	55Alp Oph	;	2.08;	8900;occ;	79;	0;48804	
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5;	2633.5;	30-JUN-2011	15:45:35;	Bright;	43.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	86;	0;48804	
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8;	3320.9;	30-JUN-2011	15:57:02;	Bright;	45.0;	89;	5Alp Cep	;	2.45;	8000;occ;	90;	0;48804	
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13;	4243.8;	30-JUN-2011	16:12:25;	Bright;	48.0;	73;	57Gam1And	;	2.26;	13100;occ;	96;	0;48804	
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15;	4657.4;	30-JUN-2011	16:19:19;	Dark	;	57.0;	50;	13Alp Ari	;	2.01;	4250;occ;	114;	0;48804
16;	4956.3;	30-JUN-2011	16:24:18;	Dark	;	49.5;	94;	92Alp Cet	;	2.53;	3100;occ;	99;	0;48804
17;	5488.2;	30-JUN-2011	16:33:10;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;48804
18;	6112.3;	30-JUN-2011	16:43:34;	Dark	;	50.0;	84;	Alp Phe	;	2.40;	4500;occ;	100;	0;48805
19;	6499.6;	30-JUN-2011	16:50:01;	Dark	;	49.5;	63;	Bet Gru	;	2.15;	2800;occ;	99;	0;48805
20;	6615.3;	30-JUN-2011	16:51:57;	Dark	;	50.0;	31;	Alp Gru	;	1.73;	15200;occ;	100;	0;48805
21;	6755.2;	30-JUN-2011	16:54:17;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;48805
22;	7321.3;	30-JUN-2011	17:03:43;	Dark	;	46.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	93;	0;48805
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1;	1471.3;	30-JUN-2011	17:06:27;	Bright;	45.5;	155;	41Pi Sgr	;	2.90;	6600;occ;	91;	0;48805	
2;	1969.7;	30-JUN-2011	17:14:45;	Bright;	38.5;	126;	60Bet Oph	;	2.77;	4250;occ;	77;	0;48805	
3;	2109.0;	30-JUN-2011	17:17:05;	Bright;	36.5;	59;	55Alp Oph	;	2.08;	8900;occ;	73;	0;48805	
4;	2214.1;	30-JUN-2011	17:18:50;	Bright;	47.0;	168;	17Zet Aql	;	2.99;	11000;occ;	94;	0;48805	
5;	2633.0;	30-JUN-2011	17:25:49;	Bright;	47.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	95;	0;48805	
6;	2792.5;	30-JUN-2011	17:28:28;	Bright;	38.0;	130;	23Bet Dra	;	2.80;	5800;occ;	76;	0;48805	
7;	2899.6;	30-JUN-2011	17:30:15;	Bright;	47.5;	144;	18Del Cyg	;	2.86;	11000;occ;	95;	0;48805	
8;	3320.3;	30-JUN-2011	17:37:16;	Bright;	44.5;	89;	5Alp Cep	;	2.45;	8000;occ;	89;	0;48805	
9;	3760.4;	30-JUN-2011	17:44:36;	Bright;	68.0;	74;	11Bet Cas	;	2.27;	6600;occ;	136;	0;48805	
10;	3854.5;	30-JUN-2011	17:46:10;	Bright;	45.0;	110;	37Del Cas	;	2.68;	8900;occ;	90;	0;48805	

11; 4041.8; 30-JUN-2011 17:49:17; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48805
 12; 4145.4; 30-JUN-2011 17:51:01; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48805
 13; 4243.7; 30-JUN-2011 17:52:39; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48805
 14; 4402.2; 30-JUN-2011 17:55:18; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48805
 15; 4657.7; 30-JUN-2011 17:59:33; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48805
 16; 4956.7; 30-JUN-2011 18:04:32; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48805
 17; 5489.1; 30-JUN-2011 18:13:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48805
 18; 6113.3; 30-JUN-2011 18:23:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48806
 19; 6500.5; 30-JUN-2011 18:30:16; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;48806
 20; 6616.1; 30-JUN-2011 18:32:12; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48806
 21; 6755.7; 30-JUN-2011 18:34:31; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48806

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1; 1307.5; 30-JUN-2011 18:43:57; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48806
 2; 1471.7; 30-JUN-2011 18:46:41; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48806
 3; 1969.8; 30-JUN-2011 18:54:59; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48806
 4; 2109.0; 30-JUN-2011 18:57:19; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48806
 5; 2213.5; 30-JUN-2011 18:59:03; Bright; 71.0; 168; 17Zet Aql ; 2.99; 11000;occ; 142; 0;48806
 6; 2632.5; 30-JUN-2011 19:06:02; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48806
 7; 2792.3; 30-JUN-2011 19:08:42; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48806
 8; 2898.5; 30-JUN-2011 19:10:28; Bright; 49.5; 144; 18Del Cyg ; 2.86; 11000;occ; 99; 0;48806
 9; 3319.6; 30-JUN-2011 19:17:29; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48806
 10; 3760.0; 30-JUN-2011 19:24:50; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48806
 11; 3854.2; 30-JUN-2011 19:26:24; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48806
 12; 4041.6; 30-JUN-2011 19:29:31; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48806
 13; 4145.5; 30-JUN-2011 19:31:15; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48806
 14; 4243.7; 30-JUN-2011 19:32:53; Bright; 50.5; 73; 57Gam1And ; 2.26; 13100;occ; 101; 0;48806
 15; 4402.2; 30-JUN-2011 19:35:32; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48806
 16; 4658.1; 30-JUN-2011 19:39:48; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;48806
 17; 4957.2; 30-JUN-2011 19:44:47; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48806
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 19; 6114.3; 30-JUN-2011 20:04:04; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48807
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 21; 6616.9; 30-JUN-2011 20:12:26; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48807
 22; 6756.1; 30-JUN-2011 20:14:46; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48807