

# GOMOS Daily Report 16-APR-2011

## Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM\_TRA\_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	24APR2011 07:08:10
Data source version	GOMOS/5.01
Start time of products	16APR2011 00:02:29
Stop time of products	16APR2011 23:58:11
Store outputs in DB	Yes
Nb of level 1b prods	330
Nb of prods with errors	3

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

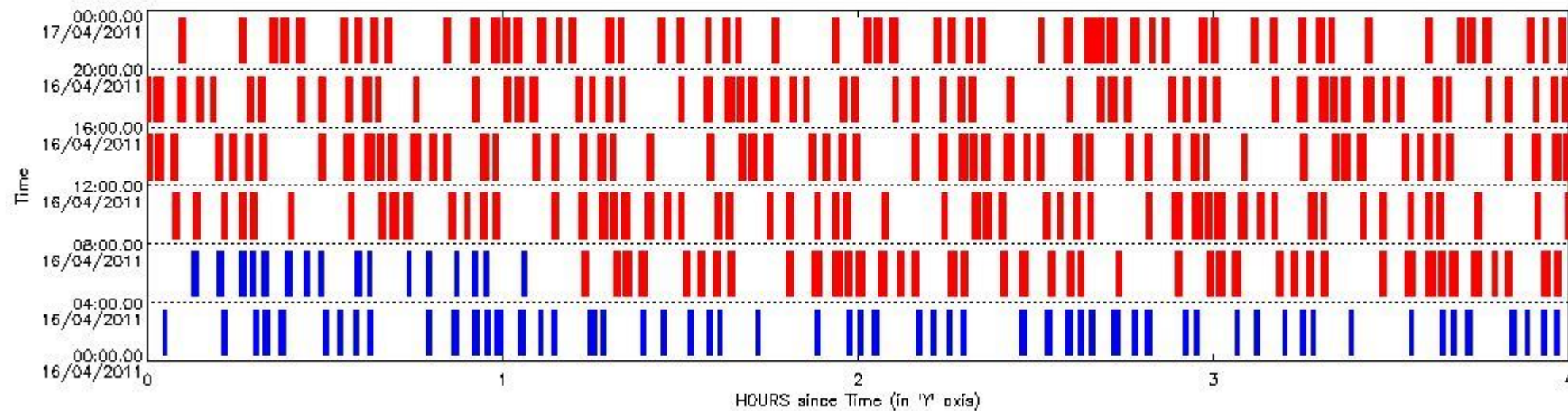
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
16-APR-2011 05:13:19	5AlpCep	89	47720
16-APR-2011 05:18:34	50AlpCyg	19	47720
16-APR-2011 05:20:20	37GamCyg	66	47720
16-APR-2011 05:22:56	53EpsCyg	92	47720
16-APR-2011 05:30:25	8EpsPeg	61	47720
16-APR-2011 05:32:53	34AlpAqr	162	47720
16-APR-2011 05:35:33	22BetAqr	154	47720
16-APR-2011 05:37:55	49DelCap	142	47720
16-APR-2011 05:47:48	DSA1040	0	47720
16-APR-2011 05:52:08	38ZetSgr	103	47721
16-APR-2011 05:55:39	20EpsSgr	38	47721
16-APR-2011 05:57:43	AlpAra	147	47721
16-APR-2011 05:59:31	35LamSco	25	47721
16-APR-2011 06:03:24	26EpsSco	75	47721
16-APR-2011 06:06:43	EtaCen	81	47721

16-APR-2011 06:09:03	5TheCen	54	47721
16-APR-2011 06:15:14	9Alp2Lib	122	47721
16-APR-2011 06:17:18	67AlpVir	15	47721
16-APR-2011 06:24:04	47EpsVir	138	47721
16-APR-2011 06:27:20	8EtaBoo	111	47721
16-APR-2011 06:32:07	12Alp2CVn	152	47721
16-APR-2011 06:35:08	27GamBoo	180	47721
16-APR-2011 06:37:06	77EpsUMa	32	47721
16-APR-2011 06:43:28	7BetUMi	60	47721
16-APR-2011 06:53:33	5AlpCep	89	47721
16-APR-2011 06:58:47	50AlpCyg	19	47721
16-APR-2011 07:00:34	37GamCyg	66	47721
16-APR-2011 07:03:10	53EpsCyg	92	47721
16-APR-2011 07:10:40	8EpsPeg	61	47721
16-APR-2011 07:13:08	34AlpAqr	162	47721
16-APR-2011 07:15:48	22BetAqr	154	47721
16-APR-2011 07:18:10	49DelCap	142	47721
16-APR-2011 07:28:03	DSA1040	0	47721
16-APR-2011 07:32:23	38ZetSgr	103	47722
16-APR-2011 07:35:55	20EpsSgr	38	47722
16-APR-2011 07:37:58	AlpAra	147	47722
16-APR-2011 07:39:46	35LamSco	25	47722
16-APR-2011 07:43:39	26EpsSco	75	47722
16-APR-2011 07:46:57	EtaCen	81	47722
16-APR-2011 07:49:18	5TheCen	54	47722
16-APR-2011 07:55:28	9Alp2Lib	122	47722
16-APR-2011 07:57:33	67AlpVir	15	47722
16-APR-2011 08:04:18	47EpsVir	138	47722
16-APR-2011 08:07:34	8EtaBoo	111	47722
16-APR-2011 08:12:21	12Alp2CVn	152	47722
16-APR-2011 08:15:21	27GamBoo	180	47722
16-APR-2011 08:17:19	77EpsUMa	32	47722
16-APR-2011 08:23:42	7BetUMi	60	47722
16-APR-2011 08:33:47	5AlpCep	89	47722
16-APR-2011 08:39:01	50AlpCyg	19	47722
16-APR-2011 08:40:48	37GamCyg	66	47722
16-APR-2011 08:43:24	53EpsCyg	92	47722
16-APR-2011 08:50:54	8EpsPeg	61	47722
16-APR-2011 08:53:22	34AlpAqr	162	47722
16-APR-2011 08:56:02	22BetAqr	154	47722
16-APR-2011 08:58:24	49DelCap	142	47722
16-APR-2011 09:08:18	DSA1040	0	47722
16-APR-2011 09:12:39	38ZetSgr	103	47723
16-APR-2011 09:16:10	20EpsSgr	38	47723
16-APR-2011 09:18:13	AlpAra	147	47723
16-APR-2011 09:20:01	35LamSco	25	47723
16-APR-2011 09:23:54	26EpsSco	75	47723
16-APR-2011 09:27:12	EtaCen	81	47723
16-APR-2011 09:29:32	5TheCen	54	47723
16-APR-2011 09:35:43	9Alp2Lib	122	47723
16-APR-2011 09:37:47	67AlpVir	15	47723
16-APR-2011 09:44:32	47EpsVir	138	47723
16-APR-2011 09:47:47	8EtaBoo	111	47723
16-APR-2011 09:52:35	12Alp2CVn	152	47723
16-APR-2011 09:55:34	27GamBoo	180	47723
16-APR-2011 09:57:33	77EpsUMa	32	47723
16-APR-2011 10:03:55	7BetUMi	60	47723
16-APR-2011 10:14:01	5AlpCep	89	47723
16-APR-2011 10:19:15	50AlpCyg	19	47723

16-APR-2011 10:21:02	37GamCyg	66	47723
16-APR-2011 10:23:38	53EpsCyg	92	47723
16-APR-2011 10:31:09	8EpsPeg	61	47723
16-APR-2011 10:33:37	34AlpAqr	162	47723
16-APR-2011 10:36:17	22BetAqr	154	47723
16-APR-2011 10:38:39	49DelCap	142	47723
16-APR-2011 10:48:33	DSA1040	0	47723
16-APR-2011 10:52:55	38ZetSgr	103	47724
16-APR-2011 10:56:26	20EpsSgr	38	47724
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16-APR-2011 11:00:16	35LamSco	25	47724
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16-APR-2011 11:59:29	50AlpCyg	19	47724
16-APR-2011 12:01:16	37GamCyg	66	47724
16-APR-2011 12:03:52	53EpsCyg	92	47724
16-APR-2011 12:11:23	8EpsPeg	61	47724
16-APR-2011 12:13:51	34AlpAqr	162	47724
16-APR-2011 12:16:32	22BetAqr	154	47724
16-APR-2011 12:18:54	49DelCap	142	47724
16-APR-2011 12:28:48	DSA1040	0	47724
16-APR-2011 12:33:10	38ZetSgr	103	47725
16-APR-2011 12:36:41	20EpsSgr	38	47725
16-APR-2011 12:38:42	AlpAra	147	47725
16-APR-2011 12:40:32	35LamSco	25	47725
16-APR-2011 12:44:24	26EpsSco	75	47725
16-APR-2011 12:47:41	EtaCen	81	47725
16-APR-2011 12:50:01	5TheCen	54	47725
16-APR-2011 12:56:11	9Alp2Lib	122	47725
16-APR-2011 12:58:15	67AlpVir	15	47725
16-APR-2011 13:05:00	47EpsVir	138	47725
16-APR-2011 13:08:14	8EtaBoo	111	47725
16-APR-2011 13:13:02	12Alp2CVn	152	47725
16-APR-2011 13:16:00	27GamBoo	180	47725
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16-APR-2011 13:59:08	49DelCap	142	47725
16-APR-2011 14:09:03	DSA1040	0	47725
16-APR-2011 14:13:26	38ZetSgr	103	47726
16-APR-2011 14:16:57	20EpsSgr	38	47726
16-APR-2011 14:18:57	AlpAra	147	47726
16-APR-2011 14:20:47	35LamSco	25	47726

16-APR-2011 14:24:39	26EpsSco	75	47726
16-APR-2011 14:27:55	EtaCen	81	47726
16-APR-2011 14:30:15	5TheCen	54	47726
16-APR-2011 14:36:25	9Alp2Lib	122	47726
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16-APR-2011 14:45:14	47EpsVir	138	47726
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16-APR-2011 20:32:36	8EpsPeg	61	47729
16-APR-2011 20:35:03	34AlpAqr	162	47729
16-APR-2011 20:37:45	22BetAqr	154	47729
16-APR-2011 20:40:07	49DelCap	142	47729
16-APR-2011 20:50:04	DSA1040	0	47729
16-APR-2011 20:54:29	38ZetSgr	103	47730
16-APR-2011 20:57:59	20EpsSgr	38	47730
16-APR-2011 20:59:57	AlpAra	147	47730
16-APR-2011 21:01:48	35LamSco	25	47730
16-APR-2011 21:05:39	26EpsSco	75	47730
16-APR-2011 21:08:53	EtaCen	81	47730
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16-APR-2011 22:00:52	50AlpCyg	19	47730
16-APR-2011 22:02:39	37GamCyg	66	47730
16-APR-2011 22:05:16	53EpsCyg	92	47730
16-APR-2011 22:12:50	8EpsPeg	61	47730
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16-APR-2011 22:18:00	22BetAqr	154	47730
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16-APR-2011 22:30:19	DSA1040	0	47730
16-APR-2011 22:34:44	38ZetSgr	103	47731
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16-APR-2011 22:45:54	26EpsSco	75	47731
16-APR-2011 22:49:07	EtaCen	81	47731
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16-APR-2011 23:45:31	53EpsCyg	92	47731
16-APR-2011 23:53:04	8EpsPeg	61	47731
16-APR-2011 23:55:32	34AlpAqr	162	47731
16-APR-2011 23:58:14	22BetAqr	154	47731

#### 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_1PNPDE20110416_000229_000000363101_00289_47717_5721.N1	16-APR-2011 00:02:29	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	47717	No
2	GOM_TRA_1PNPDE20110416_001233_000000403101_00289_47717_5722.N1	16-APR-2011 00:12:33	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	47717	No
3	GOM_TRA_1PNPDE20110416_001748_000000583101_00289_47717_5723.N1	16-APR-2011 00:17:48	Bright	57.500	19	50Alp Cyg	1.2460	10500.	115	47717	No
4	GOM_TRA_1PNPDE20110416_001934_000000553101_00289_47717_5724.N1	16-APR-2011 00:19:34	Bright	55.000	66	37Gam Cyg	2.2080	5900.0	110	47717	No
5	GOM_TRA_1PNPDE20110416_002209_000000573101_00289_47717_5725.N1	16-APR-2011 00:22:09	Bright	56.500	92	53Eps Cyg	2.5000	4500.0	113	47717	No
6	GOM_TRA_1PNPDE20110416_002938_000000523101_00289_47717_5726.N1	16-APR-2011 00:29:38	Dark	52.000	61	8Eps Peg	2.1000	3900.0	104	47717	No
7	GOM_TRA_1PNPDE20110416_003206_000000463101_00289_47717_5727.N1	16-APR-2011 00:32:06	Dark	45.500	162	34Alp Aqr	2.9440	5350.0	91	47717	No
8	GOM_TRA_1PNPDE20110416_003445_000000493101_00289_47717_5728.N1	16-APR-2011 00:34:45	Dark	49.000	154	22Bet Aqr	2.8990	5700.0	98	47717	No
9	GOM_TRA_1PNPDE20110416_003707_000000433101_00289_47717_5737.N1	16-APR-2011 00:37:07	Dark	42.500	142	49Del Cap	2.8500	8900.0	85	47717	No
10	GOM_TRA_1PNPDE20110416_005117_000000653101_00290_47718_5738.N1	16-APR-2011 00:51:17	Dark	64.500	103	38Zet Sgr	2.6000	9700.0	129	47718	No
11	GOM_TRA_1PNPDE20110416_005448_000000633101_00290_47718_5739.N1	16-APR-2011 00:54:48	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	47718	No
12	GOM_TRA_1PNPDE20110416_005654_000000473101_00290_47718_5740.N1	16-APR-2011 00:56:54	Dark	46.500	147	Alp Ara	2.8770	26000.	93	47718	No
13	GOM_TRA_1PNPDE20110416_005841_000000663101_00290_47718_5741.N1	16-APR-2011 00:58:41	Straylight	66.000	25	35Lam Sco	1.6200	28000.	132	47718	No
14	GOM_TRA_1PNPDE20110416_010234_000000713101_00290_47718_5742.N1	16-APR-2011 01:02:34	Straylight	71.000	75	26Eps Sco	2.2910	4250.0	142	47718	No
15	GOM_TRA_1PNPDE20110416_010556_000000453101_00290_47718_5743.N1	16-APR-2011 01:05:56	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	47718	No
16	GOM_TRA_1PNPDE20110416_010816_000000483101_00290_47718_5744.N1	16-APR-2011 01:08:16	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	47718	No
17	GOM_TRA_1PNPDE20110416_011428_000000673101_00290_47718_5745.N1	16-APR-2011 01:14:28	Bright	67.000	122	9Alp2Lib	2.7470	9700.0	134	47718	No
18	GOM_TRA_1PNPDE20110416_011632_000000453101_00290_47718_5746.N1	16-APR-2011 01:16:32	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	47718	No
19	GOM_TRA_1PNPDE20110416_012318_000000403101_00290_47718_5747.N1	16-APR-2011 01:23:18	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	47718	No
20	GOM_TRA_1PNPDE20110416_012636_000000473101_00290_47718_5748.N1	16-APR-2011 01:26:36	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	47718	No
21	GOM_TRA_1PNPDE20110416_013122_000000393101_00290_47718_5749.N1	16-APR-2011 01:31:22	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47718	No
22	GOM_TRA_1PNPDE20110416_013424_000000493101_00290_47718_5750.N1	16-APR-2011 01:34:24	Bright	48.500	180	27Gam Boo	3.0400	8000.0	97	47718	No
23	GOM_TRA_1PNPDE20110416_013620_000000363101_00290_47718_5751.N1	16-APR-2011 01:36:20	Bright	36.000	32	77Eps UMa	1.7630	11000.	72	47718	No
24	GOM_TRA_1PNPDE20110416_014242_000000393101_00290_47718_5752.N1	16-APR-2011 01:42:42	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	47718	No
25	GOM_TRA_1PNPDE20110416_015248_000000383101_00290_47718_5753.N1	16-APR-2011 01:52:48	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47718	No
26	GOM_TRA_1PNPDE20110416_015802_000000503101_00290_47718_5754.N1	16-APR-2011 01:58:02	Bright	49.500	19	50Alp Cyg	1.2460	10500.	99	47718	No
27	GOM_TRA_1PNPDE20110416_015948_000000563101_00290_47718_5755.N1	16-APR-2011 01:59:48	Bright	55.500	66	37Gam Cyg	2.2080	5900.0	111	47718	No
28	GOM_TRA_1PNPDE20110416_020223_000000533101_00290_47718_5756.N1	16-APR-2011 02:02:23	Bright	53.000	92	53Eps Cyg	2.5000	4500.0	106	47718	No
29	GOM_TRA_1PNPDE20110416_020952_000000523101_00290_47718_5757.N1	16-APR-2011 02:09:52	Dark	51.500	61	8Eps Peg	2.1000	3900.0	103	47718	No
30	GOM_TRA_1PNPDE20110416_021220_000000473101_00290_47718_5758.N1	16-APR-2011 02:12:20	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	47718	No
31	GOM_TRA_1PNPDE20110416_021500_000000493101_00290_47718_5756.N1	16-APR-2011 02:15:00	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47718	No
32	GOM_TRA_1PNPDE20110416_021722_000000433101_00290_47718_5757.N1	16-APR-2011 02:17:22	Dark	42.500	142	49Del Cap	2.8500	8900.0	85	47718	No
33	GOM_TRA_1PNPDE20110416_023132_000000633101_00291_47719_5758.N1	16-APR-2011 02:31:32	Dark	63.000	103	38Zet Sgr	2.6000	9700.0	126	47719	No
34	GOM_TRA_1PNPDE20110416_023504_000000613101_00291_47719_5759.N1	16-APR-2011 02:35:04	Dark	61.000	38	20Eps Sgr	1.8360	11000.	122	47719	No

35	GOM_TRA_1PNPDE20110416_023709_000000463101_00291_47719_5760.N1	16-APR-2011 02:37:09	Dark	45.500	147	Alp Ara	2.8770	26000.	91	47719	No
36	GOM_TRA_1PNPDE20110416_023856_000000603101_00291_47719_5761.N1	16-APR-2011 02:38:56	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47719	No
37	GOM_TRA_1PNPDE20110416_024249_000000733101_00291_47719_5762.N1	16-APR-2011 02:42:49	Straylight	72.500	75	26Eps Sco	2.2910	4250.0	145	47719	No
38	GOM_TRA_1PNPDE20110416_024610_000000473101_00291_47719_5763.N1	16-APR-2011 02:46:10	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47719	No
39	GOM_TRA_1PNPDE20110416_024830_000000513101_00291_47719_5764.N1	16-APR-2011 02:48:30	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47719	No
40	GOM_TRA_1PNPDE20110416_025442_000000603101_00291_47719_5765.N1	16-APR-2011 02:54:42	Bright	60.000	122	9Alp2Lib	2.7470	9700.0	120	47719	No
41	GOM_TRA_1PNPDE20110416_025646_000000453101_00291_47719_5766.N1	16-APR-2011 02:56:46	Bright	45.000	15	67Alp Vir	0.97600	28000.	90	47719	No
42	GOM_TRA_1PNPDE20110416_030332_000000393101_00291_47719_5767.N1	16-APR-2011 03:03:32	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	47719	No
43	GOM_TRA_1PNPDE20110416_030649_000000473101_00291_47719_5768.N1	16-APR-2011 03:06:49	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	47719	No
44	GOM_TRA_1PNPDE20110416_031135_000000393101_00291_47719_5769.N1	16-APR-2011 03:11:35	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47719	No
45	GOM_TRA_1PNPDE20110416_031437_000000493101_00291_47719_5770.N1	16-APR-2011 03:14:37	Bright	48.500	180	27Gam Boo	3.0400	8000.0	97	47719	No
46	GOM_TRA_1PNPDE20110416_031634_000000373101_00291_47719_5771.N1	16-APR-2011 03:16:34	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	47719	No
47	GOM_TRA_1PNPDE20110416_032256_000000413101_00291_47719_5772.N1	16-APR-2011 03:22:56	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47719	No
48	GOM_TRA_1PNPDE20110416_033301_000000413101_00291_47719_5782.N1	16-APR-2011 03:33:01	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47719	No
49	GOM_TRA_1PNPDE20110416_033815_000000503101_00291_47719_5783.N1	16-APR-2011 03:38:15	Bright	49.500	19	50Alp Cyg	1.2460	10500.	99	47719	No
50	GOM_TRA_1PNPDE20110416_034002_000000553101_00291_47719_5784.N1	16-APR-2011 03:40:02	Bright	54.500	66	37Gam Cyg	2.2080	5900.0	109	47719	No
51	GOM_TRA_1PNPDE20110416_034237_000000603101_00291_47719_5785.N1	16-APR-2011 03:42:37	Bright	59.500	92	53Eps Cyg	2.5000	4500.0	119	47719	No
52	GOM_TRA_1PNPDE20110416_035007_000000523101_00291_47719_5786.N1	16-APR-2011 03:50:07	Dark	52.000	61	8Eps Peg	2.1000	3900.0	104	47719	No
53	GOM_TRA_1PNPDE20110416_035235_000000433101_00291_47719_5787.N1	16-APR-2011 03:52:35	Dark	43.000	162	34Alp Aqr	2.9440	5350.0	86	47719	No
54	GOM_TRA_1PNPDE20110416_035514_000000493101_00291_47719_5788.N1	16-APR-2011 03:55:14	Dark	49.000	154	22Bet Aqr	2.8990	5700.0	98	47719	No
55	GOM_TRA_1PNPDE20110416_035737_000000473101_00291_47719_5789.N1	16-APR-2011 03:57:37	Dark	46.500	142	49Del Cap	2.8500	8900.0	93	47719	No
56	GOM_TRA_1PNPDE20110416_041148_000000653101_00292_47720_5790.N1	16-APR-2011 04:11:48	Dark	64.500	103	38Zet Sgr	2.6000	9700.0	129	47720	No
57	GOM_TRA_1PNPDE20110416_041520_000000633101_00292_47720_5791.N1	16-APR-2011 04:15:20	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	47720	No
58	GOM_TRA_1PNPDE20110416_041724_000000453101_00292_47720_5792.N1	16-APR-2011 04:17:24	Dark	44.500	147	Alp Ara	2.8770	26000.	89	47720	No
59	GOM_TRA_1PNPDE20110416_041911_000000663101_00292_47720_5793.N1	16-APR-2011 04:19:11	Straylight	66.000	25	35Lam Sco	1.6200	28000.	132	47720	No
60	GOM_TRA_1PNPDE20110416_042304_000000693101_00292_47720_5794.N1	16-APR-2011 04:23:04	Straylight	68.500	75	26Eps Sco	2.2910	4250.0	137	47720	No
61	GOM_TRA_1PNPDE20110416_042624_000000423101_00292_47720_5795.N1	16-APR-2011 04:26:24	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	47720	No
62	GOM_TRA_1PNPDE20110416_042845_000000473101_00292_47720_5796.N1	16-APR-2011 04:28:45	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	47720	No
63	GOM_TRA_1PNPDE20110416_043456_000000633101_00292_47720_5797.N1	16-APR-2011 04:34:56	Bright	63.000	122	9Alp2Lib	2.7470	9700.0	126	47720	No
64	GOM_TRA_1PNPDE20110416_043700_000000453101_00292_47720_5798.N1	16-APR-2011 04:37:00	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	47720	No
65	GOM_TRA_1PNPDE20110416_044346_000000403101_00292_47720_5799.N1	16-APR-2011 04:43:46	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	47720	No
66	GOM_TRA_1PNPDE20110416_044703_000000453101_00292_47720_5800.N1	16-APR-2011 04:47:03	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	47720	No
67	GOM_TRA_1PNPDE20110416_045149_000000423101_00292_47720_5801.N1	16-APR-2011 04:51:49	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	47720	No
68	GOM_TRA_1PNPDE20110416_045451_000000483101_00292_47720_5802.N1	16-APR-2011 04:54:51	Bright	47.500	180	27Gam Boo	3.0400	8000.0	95	47720	No
69	GOM_TRA_1PNPDE20110416_045648_000000373101_00292_47720_5803.N1	16-APR-2011 04:56:48	Bright	36.500	32	77Eps UMa	1.7630	11000.	73	47720	No
70	GOM_TRA_1PNPDE20110416_050310_000000403101_00292_47720_5804.N1	16-APR-2011 05:03:10	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	47720	No
71	GOM_TRA_1PNPDE20110416_051315_000000393101_00292_47720_5807.N1	16-APR-2011 05:13:15	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47720	No
72	GOM_TRA_1PNPDE20110416_051829_000000483101_00292_47720_5808.N1	16-APR-2011 05:18:29	Bright	47.500	19	50Alp Cyg	1.2460	10500.	95	47720	No
73	GOM_TRA_1PNPDE20110416_052016_000000563101_00292_47720_5809.N1	16-APR-2011 05:20:16	Bright	55.500	66	37Gam Cyg	2.2080	5900.0	111	47720	No
74	GOM_TRA_1PNPDE20110416_052251_000000573101_00292_47720_5810.N1	16-APR-2011 05:22:51	Bright	57.000	92	53Eps Cyg	2.5000	4500.0	114	47720	No
75	GOM_TRA_1PNPDE20110416_053021_000000543101_00292_47720_5811.N1	16-APR-2011 05:30:21	Dark	54.000	61	8Eps Peg	2.1000	3900.0	108	47720	No
76	GOM_TRA_1PNPDE20110416_053249_000000453101_00292_47720_5812.N1	16-APR-2011 05:32:49	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	47720	No
77	GOM_TRA_1PNPDE20110416_053529_000000513101_00292_47720_5813.N1	16-APR-2011 05:35:29	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	47720	No
78	GOM_TRA_1PNPDE20110416_053751_000000463101_00292_47720_5814.N1	16-APR-2011 05:37:51	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	47720	No
79	GOM_TRA_1PNPDE20110416_055204_000000633101_00293_47721_5815.N1	16-APR-2011 05:52:04	Dark	63.000	103	38Zet Sgr	2.6000	9700.0	126	47721	No
80	GOM_TRA_1PNPDE20110416_055535_000000623101_00293_47721_5816.N1	16-APR-2011 05:55:35	Dark	62.000	38	20Eps Sgr	1.8360	11000.	124	47721	No
81	GOM_TRA_1PNPDE20110416_055739_000000443101_00293_47721_5817.N1	16-APR-2011 05:57:39	Dark	44.000	147	Alp Ara	2.8770	26000.	88	47721	No
82	GOM_TRA_1PNPDE20110416_055927_000000613101_00293_47721_5818.N1	16-APR-2011 05:59:27	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	47721	No
83	GOM_TRA_1PNPDE20110416_060320_000000723101_00293_47721_5819.N1	16-APR-2011 06:03:20	Straylight	71.500	75	26Eps Sco	2.2910	4250.0	143	47721	No
84	GOM_TRA_1PNPDE20110416_060639_000000423101_00293_47721_5820.N1	16-APR-2011 06:06:39	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	47721	No
85	GOM_TRA_1PNPDE20110416_060859_000000463101_00293_47721_5821.N1	16-APR-2011 06:08:59	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	47721	No
86	GOM_TRA_1PNPDE20110416_061510_000000623101_00293_47721_5822.N1	16-APR-2011 06:15:10	Bright	62.000	122	9Alp2Lib	2.7470	9700.0	124	47721	No
87	GOM_TRA_1PNPDE20110416_061715_000000443101_00293_47721_5823.N1	16-APR-2011 06:17:15	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	47721	No
88	GOM_TRA_1PNPDE20110416_062400_000000403101_00293_47721_5824.N1	16-APR-2011 06:24:00	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	47721	No
89	GOM_TRA_1PNPDE20110416_062716_000000473101_00293_47721_5825.N1	16-APR-2011 06:27:16	Bright	47.000	111	8Eta Boo	2.6800	6000.0	94	47721	No
90	GOM_TRA_1PNPDE20110416_063203_000000383101_00293_47721_5826.N1	16-APR-2011 06:32:03	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	47721	No
91	GOM_TRA_1PNPDE20110416_063504_000000483101_00293_47721_5827.N1	16-APR-2011 06:35:04	Bright	48.000	180	27Gam Boo	3.0400	8000.0	96	47721	No
92	GOM_TRA_1PNPDE20110416_063702_000000373101_00293_47721_5828.N1	16-APR-2011 06:37:02	Bright	36.500	32	77Eps UMa	1.7630	11000.	73	47721	No
93	GOM_TRA_1PNPDE20110416_064324_000000403101_00293_47721_5829.N1	16-APR-2011 06:43:24	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47721	No



94	GOM_TRA_1PNPDK20110416_065329_000000373101_00293_47721_4648.N1	16-APR-2011 06:53:29	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	47721	No
95	GOM_TRA_1PNPDK20110416_065843_000000513101_00293_47721_4649.N1	16-APR-2011 06:58:43	Bright	50.500	19	50Alp Cyg	1.2460	10500.	101	47721	No
96	GOM_TRA_1PNPDK20110416_070030_000000563101_00293_47721_4650.N1	16-APR-2011 07:00:30	Bright	56.000	66	37Gam Cyg	2.2080	5900.0	112	47721	No
97	GOM_TRA_1PNPDK20110416_070306_000000553101_00293_47721_4651.N1	16-APR-2011 07:03:06	Bright	55.000	92	53Eps Cyg	2.5000	4500.0	110	47721	No
98	GOM_TRA_1PNPDK20110416_071036_000000503101_00293_47721_4652.N1	16-APR-2011 07:10:36	Dark	50.000	61	8Eps Peg	2.1000	3900.0	100	47721	No
99	GOM_TRA_1PNPDK20110416_071304_000000473101_00293_47721_4653.N1	16-APR-2011 07:13:04	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	47721	No
100	GOM_TRA_1PNPDK20110416_071544_000000503101_00293_47721_4654.N1	16-APR-2011 07:15:44	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	47721	No
101	GOM_TRA_1PNPDK20110416_071806_000000443101_00293_47721_4655.N1	16-APR-2011 07:18:06	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	47721	No
102	GOM_TRA_1PNPDK20110416_073219_000000613101_00294_47722_4656.N1	16-APR-2011 07:32:19	Dark	61.000	103	38Zet Sgr	2.6000	9700.0	122	47722	No
103	GOM_TRA_1PNPDK20110416_073551_000000613101_00294_47722_4657.N1	16-APR-2011 07:35:51	Dark	60.500	38	20Eps Sgr	1.8360	11000.	121	47722	No
104	GOM_TRA_1PNPDK20110416_073754_000000473101_00294_47722_4658.N1	16-APR-2011 07:37:54	Dark	47.000	147	Alp Ara	2.8770	26000.	94	47722	No
105	GOM_TRA_1PNPDK20110416_073942_000000593101_00294_47722_4659.N1	16-APR-2011 07:39:42	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	47722	No
106	GOM_TRA_1PNPDK20110416_074334_000000713101_00294_47722_4660.N1	16-APR-2011 07:43:34	Straylight	70.500	75	26Eps Sco	2.2910	4250.0	141	47722	No
107	GOM_TRA_1PNPDK20110416_074654_000000453101_00294_47722_4661.N1	16-APR-2011 07:46:54	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47722	No
108	GOM_TRA_1PNPDK20110416_074914_000000493101_00294_47722_4662.N1	16-APR-2011 07:49:14	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	47722	No
109	GOM_TRA_1PNPDK20110416_075524_000000653101_00294_47722_4663.N1	16-APR-2011 07:55:24	Bright	64.500	122	9Alp2Lib	2.7470	9700.0	129	47722	No
110	GOM_TRA_1PNPDK20110416_075729_000000443101_00294_47722_4675.N1	16-APR-2011 07:57:29	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	47722	Yes
111	GOM_TRA_1PNPDK20110416_080414_000000393101_00294_47722_4676.N1	16-APR-2011 08:04:14	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	47722	No
112	GOM_TRA_1PNPDK20110416_080730_000000483101_00294_47722_4677.N1	16-APR-2011 08:07:30	Bright	48.000	111	8Eta Boo	2.6800	6000.0	96	47722	No
113	GOM_TRA_1PNPDK20110416_081217_000000433101_00294_47722_4678.N1	16-APR-2011 08:12:17	Bright	43.000	152	12Alp2CVn	2.8900	11000.	86	47722	No
114	GOM_TRA_1PNPDK20110416_081517_000000613101_00294_47722_4679.N1	16-APR-2011 08:15:17	Bright	60.500	180	27Gam Boo	3.0400	8000.0	121	47722	No
115	GOM_TRA_1PNPDK20110416_081715_000000393101_00294_47722_4680.N1	16-APR-2011 08:17:15	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	47722	No
116	GOM_TRA_1PNPDK20110416_082338_000000393101_00294_47722_4681.N1	16-APR-2011 08:23:38	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	47722	No
117	GOM_TRA_1PNPDK20110416_083343_000000483101_00294_47722_4682.N1	16-APR-2011 08:33:43	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	47722	No
118	GOM_TRA_1PNPDK20110416_083857_000000493101_00294_47722_4683.N1	16-APR-2011 08:38:57	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	47722	No
119	GOM_TRA_1PNPDK20110416_084044_000000573101_00294_47722_4684.N1	16-APR-2011 08:40:44	Bright	56.500	66	37Gam Cyg	2.2080	5900.0	113	47722	No
120	GOM_TRA_1PNPDK20110416_084320_000000563101_00294_47722_4685.N1	16-APR-2011 08:43:20	Bright	56.000	92	53Eps Cyg	2.5000	4500.0	112	47722	No
121	GOM_TRA_1PNPDK20110416_085050_000000523101_00294_47722_4686.N1	16-APR-2011 08:50:50	Dark	52.000	61	8Eps Peg	2.1000	3900.0	104	47722	No
122	GOM_TRA_1PNPDK20110416_085318_000000453101_00294_47722_4687.N1	16-APR-2011 08:53:18	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	47722	No
123	GOM_TRA_1PNPDK20110416_085558_000000493101_00294_47722_4688.N1	16-APR-2011 08:55:58	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47722	No
124	GOM_TRA_1PNPDK20110416_085821_000000453101_00294_47722_4689.N1	16-APR-2011 08:58:21	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	47722	No
125	GOM_TRA_1PNPDK20110416_091235_000000613101_00295_47723_4690.N1	16-APR-2011 09:12:35	Dark	61.000	103	38Zet Sgr	2.6000	9700.0	122	47723	No
126	GOM_TRA_1PNPDK20110416_091606_000000653101_00295_47723_4691.N1	16-APR-2011 09:16:06	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47723	No
127	GOM_TRA_1PNPDK20110416_091809_000000473101_00295_47723_4692.N1	16-APR-2011 09:18:09	Dark	47.000	147	Alp Ara	2.8770	26000.	94	47723	No
128	GOM_TRA_1PNPDK20110416_091957_000000633101_00295_47723_4693.N1	16-APR-2011 09:19:57	Straylight	63.000	25	35Lam Sco	1.6200	28000.	126	47723	No
129	GOM_TRA_1PNPDK20110416_092350_000000713101_00295_47723_4694.N1	16-APR-2011 09:23:50	Straylight	70.500	75	26Eps Sco	2.2910	4250.0	141	47723	No
130	GOM_TRA_1PNPDK20110416_092708_000000443101_00295_47723_4695.N1	16-APR-2011 09:27:08	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	47723	No
131	GOM_TRA_1PNPDK20110416_092928_000000523101_00295_47723_4696.N1	16-APR-2011 09:29:28	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	47723	No
132	GOM_TRA_1PNPDK20110416_093538_000000623101_00295_47723_4697.N1	16-APR-2011 09:35:38	Bright	62.000	122	9Alp2Lib	2.7470	9700.0	124	47723	No
133	GOM_TRA_1PNPDK20110416_093743_000000433101_00295_47723_4698.N1	16-APR-2011 09:37:43	Bright	42.500	15	67Alp Vir	0.97600	28000.	85	47723	No
134	GOM_TRA_1PNPDK20110416_094428_000000573101_00295_47723_4721.N1	16-APR-2011 09:44:28	Bright	57.000	138	47Eps Vir	2.8280	4700.0	114	47723	No
135	GOM_TRA_1PNPDK20110416_094743_000000683101_00295_47723_4722.N1	16-APR-2011 09:47:43	Bright	68.000	111	8Eta Boo	2.6800	6000.0	136	47723	No
136	GOM_TRA_1PNPDK20110416_095231_000000373101_00295_47723_4723.N1	16-APR-2011 09:52:31	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	47723	No
137	GOM_TRA_1PNPDK20110416_095530_000000593101_00295_47723_4724.N1	16-APR-2011 09:55:30	Bright	58.500	180	27Gam Boo	3.0400	8000.0	117	47723	No
138	GOM_TRA_1PNPDK20110416_095729_000000383101_00295_47723_4725.N1	16-APR-2011 09:57:29	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	47723	No
139	GOM_TRA_1PNPDK20110416_100351_000000403101_00295_47723_4726.N1	16-APR-2011 10:03:51	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	47723	No
140	GOM_TRA_1PNPDK20110416_101357_000000423101_00295_47723_4727.N1	16-APR-2011 10:13:57	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47723	No
141	GOM_TRA_1PNPDK20110416_101911_000000493101_00295_47723_4728.N1	16-APR-2011 10:19:11	Bright	48.500	19	50Alp Cyg	1.2460	10500.	97	47723	No
142	GOM_TRA_1PNPDK20110416_102058_000000573101_00295_47723_4729.N1	16-APR-2011 10:20:58	Bright	56.500	66	37Gam Cyg	2.2080	5900.0	113	47723	No
143	GOM_TRA_1PNPDK20110416_102334_000000603101_00295_47723_4730.N1	16-APR-2011 10:23:34	Bright	59.500	92	53Eps Cyg	2.5000	4500.0	119	47723	No
144	GOM_TRA_1PNPDK20110416_103105_000000533101_00295_47723_4731.N1	16-APR-2011 10:31:05	Dark	52.500	61	8Eps Peg	2.1000	3900.0	105	47723	No
145	GOM_TRA_1PNPDK20110416_103333_000000463101_00295_47723_4732.N1	16-APR-2011 10:33:33	Dark	45.500	162	34Alp Aqr	2.9440	5350.0	91	47723	No
146	GOM_TRA_1PNPDK20110416_103613_000000523101_00295_47723_4733.N1	16-APR-2011 10:36:13	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	47723	No
147	GOM_TRA_1PNPDK20110416_103835_000000453101_00295_47723_4734.N1	16-APR-2011 10:38:35	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	47723	No
148	GOM_TRA_1PNPDK20110416_105251_000000653101_00296_47724_4735.N1	16-APR-2011 10:52:51	Dark	64.500	103	38Zet Sgr	2.6000	9700.0	129	47724	No
149	GOM_TRA_1PNPDK20110416_105621_000000653101_00296_47724_4736.N1	16-APR-2011 10:56:21	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47724	No
150	GOM_TRA_1PNPDK20110416_105823_000000473101_00296_47724_4737.N1	16-APR-2011 10:58:23	Dark	47.000	147	Alp Ara	2.8770	26000.	94	47724	No
151	GOM_TRA_1PNPDK20110416_110012_000000613101_00296_47724_4738.N1	16-APR-2011 11:00:12	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	47724	No
152	GOM_TRA_1PNPDK20110416_110405_000000703101_00296_47724_4739.N1	16-APR-2011 11:04:05	Straylight	69.500	75	26Eps Sco	2.2910	4250.0	139	47724	No

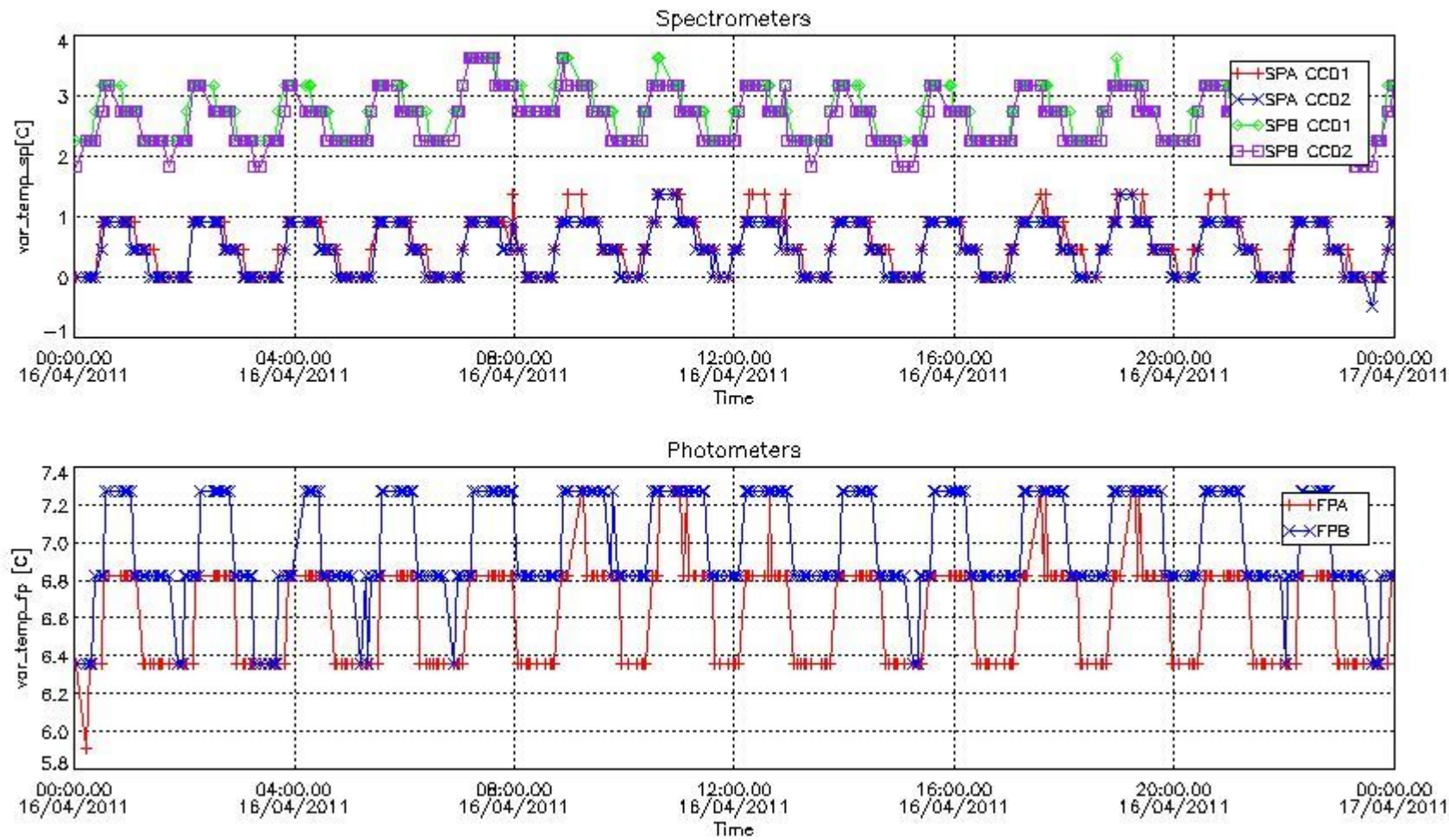
153	GOM_TRA_1PNPDK20110416_110722_000000453101_00296_47724_4740.N1	16-APR-2011 11:07:22	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47724	No
154	GOM_TRA_1PNPDK20110416_110942_000000473101_00296_47724_4741.N1	16-APR-2011 11:09:42	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	47724	No
155	GOM_TRA_1PNPDK20110416_111553_000000673101_00296_47724_4742.N1	16-APR-2011 11:15:53	Bright	66.500	122	9Alp2Lib	2.7470	9700.0	133	47724	No
156	GOM_TRA_1PNPDK20110416_111756_000000453101_00296_47724_4758.N1	16-APR-2011 11:17:56	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	47724	No
157	GOM_TRA_1PNPDK20110416_112442_000000393101_00296_47724_4759.N1	16-APR-2011 11:24:42	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	47724	No
158	GOM_TRA_1PNPDK20110416_112757_000000473101_00296_47724_4760.N1	16-APR-2011 11:27:57	Bright	47.000	111	8Eta Boo	2.6800	6000.0	94	47724	No
159	GOM_TRA_1PNPDK20110416_113244_000000393101_00296_47724_4761.N1	16-APR-2011 11:32:44	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	47724	No
160	GOM_TRA_1PNPDK20110416_113543_000000533101_00296_47724_4762.N1	16-APR-2011 11:35:43	Bright	52.500	180	27Gam Boo	3.0400	8000.0	105	47724	No
161	GOM_TRA_1PNPDK20110416_113743_000000383101_00296_47724_4763.N1	16-APR-2011 11:37:43	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	47724	No
162	GOM_TRA_1PNPDK20110416_114405_000000383101_00296_47724_4764.N1	16-APR-2011 11:44:05	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47724	No
163	GOM_TRA_1PNPDK20110416_115411_000000403101_00296_47724_4765.N1	16-APR-2011 11:54:11	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47724	No
164	GOM_TRA_1PNPDK20110416_115925_000000503101_00296_47724_4766.N1	16-APR-2011 11:59:25	Bright	49.500	19	50Alp Cyg	1.2460	10500.	99	47724	No
165	GOM_TRA_1PNPDK20110416_120111_000000563101_00296_47724_4767.N1	16-APR-2011 12:01:11	Bright	56.000	66	37Gam Cyg	2.2080	5900.0	112	47724	No
166	GOM_TRA_1PNPDK20110416_120348_000000583101_00296_47724_4768.N1	16-APR-2011 12:03:48	Bright	57.500	92	53Eps Cyg	2.5000	4500.0	115	47724	No
167	GOM_TRA_1PNPDK20110416_121119_000000493101_00296_47724_4769.N1	16-APR-2011 12:11:19	Dark	49.000	61	8Eps Peg	2.1000	3900.0	98	47724	No
168	GOM_TRA_1PNPDK20110416_121347_000000473101_00296_47724_4770.N1	16-APR-2011 12:13:47	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	47724	No
169	GOM_TRA_1PNPDK20110416_121628_000000503101_00296_47724_4771.N1	16-APR-2011 12:16:28	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	47724	No
170	GOM_TRA_1PNPDK20110416_121850_000000463101_00296_47724_4772.N1	16-APR-2011 12:18:50	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	47724	No
171	GOM_TRA_1PNPDK20110416_123306_000000653101_00297_47725_4773.N1	16-APR-2011 12:33:06	Dark	64.500	103	38Zet Sgr	2.6000	9700.0	129	47725	No
172	GOM_TRA_1PNPDK20110416_123637_000000653101_00297_47725_4774.N1	16-APR-2011 12:36:37	Dark	65.000	38	20Eps Sgr	1.8360	11000.	130	47725	No
173	GOM_TRA_1PNPDK20110416_123838_000000473101_00297_47725_4775.N1	16-APR-2011 12:38:38	Dark	46.500	147	Alp Ara	2.8770	26000.	93	47725	No
174	GOM_TRA_1PNPDK20110416_124027_000000673101_00297_47725_4776.N1	16-APR-2011 12:40:27	Straylight	67.000	25	35Lam Sco	1.6200	28000.	134	47725	No
175	GOM_TRA_1PNPDK20110416_124420_000000683101_00297_47725_4777.N1	16-APR-2011 12:44:20	Straylight	67.500	75	26Eps Sco	2.2910	4250.0	135	47725	No
176	GOM_TRA_1PNPDK20110416_124736_000000433101_00297_47725_4778.N1	16-APR-2011 12:47:36	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	47725	No
177	GOM_TRA_1PNPDK20110416_124957_000000463101_00297_47725_4779.N1	16-APR-2011 12:49:57	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	47725	No
178	GOM_TRA_1PNPDK20110416_125607_000000703101_00297_47725_4790.N1	16-APR-2011 12:56:07	Bright	69.500	122	9Alp2Lib	2.7470	9700.0	139	47725	Yes
179	GOM_TRA_1PNPDK20110416_125811_000000433101_00297_47725_4791.N1	16-APR-2011 12:58:11	Bright	42.500	15	67Alp Vir	0.97600	28000.	85	47725	No
180	GOM_TRA_1PNPDK20110416_130456_000000573101_00297_47725_4792.N1	16-APR-2011 13:04:56	Bright	57.000	138	47Eps Vir	2.8280	4700.0	114	47725	No
181	GOM_TRA_1PNPDK20110416_130810_000000463101_00297_47725_4793.N1	16-APR-2011 13:08:10	Bright	46.000	111	8Eta Boo	2.6800	6000.0	92	47725	No
182	GOM_TRA_1PNPDK20110416_131258_000000393101_00297_47725_4794.N1	16-APR-2011 13:12:58	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	47725	No
183	GOM_TRA_1PNPDK20110416_131556_000000503101_00297_47725_4795.N1	16-APR-2011 13:15:56	Bright	50.000	180	27Gam Boo	3.0400	8000.0	100	47725	No
184	GOM_TRA_1PNPDK20110416_131757_000000383101_00297_47725_4796.N1	16-APR-2011 13:17:57	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	47725	No
185	GOM_TRA_1PNPDK20110416_132419_000000413101_00297_47725_4797.N1	16-APR-2011 13:24:19	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47725	No
186	GOM_TRA_1PNPDK20110416_133425_000000393101_00297_47725_4798.N1	16-APR-2011 13:34:25	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47725	No
187	GOM_TRA_1PNPDK20110416_133938_000000493101_00297_47725_4799.N1	16-APR-2011 13:39:38	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	47725	No
188	GOM_TRA_1PNPDK20110416_134125_000000573101_00297_47725_4800.N1	16-APR-2011 13:41:25	Bright	56.500	66	37Gam Cyg	2.2080	5900.0	113	47725	No
189	GOM_TRA_1PNPDK20110416_134402_000000573101_00297_47725_4801.N1	16-APR-2011 13:44:02	Bright	56.500	92	53Eps Cyg	2.5000	4500.0	113	47725	No
190	GOM_TRA_1PNPDK20110416_135133_000000533101_00297_47725_4802.N1	16-APR-2011 13:51:33	Dark	52.500	61	8Eps Peg	2.1000	3900.0	105	47725	No
191	GOM_TRA_1PNPDK20110416_135402_000000473101_00297_47725_4803.N1	16-APR-2011 13:54:02	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	47725	No
192	GOM_TRA_1PNPDK20110416_135642_000000533101_00297_47725_4804.N1	16-APR-2011 13:56:42	Dark	53.000	154	22Bet Aqr	2.8990	5700.0	106	47725	No
193	GOM_TRA_1PNPDK20110416_135904_000000453101_00297_47725_4805.N1	16-APR-2011 13:59:04	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	47725	No
194	GOM_TRA_1PNPDK20110416_141322_000000633101_00298_47726_4806.N1	16-APR-2011 14:13:22	Dark	63.000	103	38Zet Sgr	2.6000	9700.0	126	47726	No
195	GOM_TRA_1PNPDK20110416_141653_000000643101_00298_47726_4807.N1	16-APR-2011 14:16:53	Dark	63.500	38	20Eps Sgr	1.8360	11000.	127	47726	No
196	GOM_TRA_1PNPDK20110416_141853_000000473101_00298_47726_4808.N1	16-APR-2011 14:18:53	Dark	46.500	147	Alp Ara	2.8770	26000.	93	47726	No
197	GOM_TRA_1PNPDK20110416_142043_000000693101_00298_47726_4809.N1	16-APR-2011 14:20:43	Straylight	69.000	25	35Lam Sco	1.6200	28000.	138	47726	No
198	GOM_TRA_1PNPDK20110416_142435_000000693101_00298_47726_4810.N1	16-APR-2011 14:24:35	Straylight	68.500	75	26Eps Sco	2.2910	4250.0	137	47726	No
199	GOM_TRA_1PNPDK20110416_142751_000000423101_00298_47726_4811.N1	16-APR-2011 14:27:51	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	47726	No
200	GOM_TRA_1PNPDK20110416_143011_000000503101_00298_47726_4812.N1	16-APR-2011 14:30:11	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47726	No
201	GOM_TRA_1PNPDK20110416_143621_000000673101_00298_47726_4834.N1	16-APR-2011 14:36:21	Bright	67.000	122	9Alp2Lib	2.7470	9700.0	134	47726	No
202	GOM_TRA_1PNPDK20110416_143825_000000443101_00298_47726_4835.N1	16-APR-2011 14:38:25	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	47726	No
203	GOM_TRA_1PNPDK20110416_144509_000000403101_00298_47726_4836.N1	16-APR-2011 14:45:09	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	47726	No
204	GOM_TRA_1PNPDK20110416_144824_000000463101_00298_47726_4837.N1	16-APR-2011 14:48:24	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	47726	No
205	GOM_TRA_1PNPDK20110416_145312_000000563101_00298_47726_4838.N1	16-APR-2011 14:53:12	Bright	56.000	152	12Alp2CVn	2.8900	11000.	112	47726	No
206	GOM_TRA_1PNPDK20110416_145609_000000503101_00298_47726_4839.N1	16-APR-2011 14:56:09	Bright	49.500	180	27Gam Boo	3.0400	8000.0	99	47726	No
207	GOM_TRA_1PNPDK20110416_145810_000000383101_00298_47726_4840.N1	16-APR-2011 14:58:10	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	47726	No
208	GOM_TRA_1PNPDK20110416_150432_000000413101_00298_47726_4841.N1	16-APR-2011 15:04:32	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47726	No
209	GOM_TRA_1PNPDK20110416_151438_000000393101_00298_47726_4842.N1	16-APR-2011 15:14:38	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47726	No
210	GOM_TRA_1PNPDK20110416_151952_000000493101_00298_47726_4843.N1	16-APR-2011 15:19:52	Bright	48.500	19	50Alp Cyg	1.2460	10500.	97	47726	No
211	GOM_TRA_1PNPDK20110416_152139_000000783101_00298_47726_4844.N1	16-APR-2011 15:21:39	Bright	77.500	66	37Gam Cyg	2.2080	5900.0	155	47726	No

212	GOM_TRA_1PNPDK20110416_152416_000000583101_00298_47726_4845.N1	16-APR-2011 15:24:16	Bright	57.500	92	53Eps Cyg	2.5000	4500.0	115	47726	No
213	GOM_TRA_1PNPDK20110416_153148_000000503101_00298_47726_4846.N1	16-APR-2011 15:31:48	Dark	49.500	61	8Eps Peg	2.1000	3900.0	99	47726	No
214	GOM_TRA_1PNPDK20110416_153416_000000463101_00298_47726_4847.N1	16-APR-2011 15:34:16	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	47726	No
215	GOM_TRA_1PNPDK20110416_153657_000000513101_00298_47726_4848.N1	16-APR-2011 15:36:57	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	47726	No
216	GOM_TRA_1PNPDK20110416_153919_000000453101_00298_47726_4849.N1	16-APR-2011 15:39:19	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	47726	No
217	GOM_TRA_1PNPDK20110416_155338_000000663101_00299_47727_4850.N1	16-APR-2011 15:53:38	Dark	65.500	103	38Zet Sgr	2.6000	9700.0	131	47727	No
218	GOM_TRA_1PNPDK20110416_155708_000000633101_00299_47727_4851.N1	16-APR-2011 15:57:08	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	47727	No
219	GOM_TRA_1PNPDK20110416_155908_000000463101_00299_47727_4852.N1	16-APR-2011 15:59:08	Dark	46.000	147	Alp Ara	2.8770	26000.	92	47727	No
220	GOM_TRA_1PNPDK20110416_160058_000000613101_00299_47727_4853.N1	16-APR-2011 16:00:58	Straylight	61.000	25	35Lam Sco	1.6200	28000.	122	47727	No
221	GOM_TRA_1PNPDK20110416_160450_000000703101_00299_47727_4854.N1	16-APR-2011 16:04:50	Straylight	70.000	75	26Eps Sco	2.2910	4250.0	140	47727	No
222	GOM_TRA_1PNPDK20110416_160806_000000443101_00299_47727_4855.N1	16-APR-2011 16:08:06	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	47727	No
223	GOM_TRA_1PNPDK20110416_161025_000000463101_00299_47727_4856.N1	16-APR-2011 16:10:25	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	47727	No
224	GOM_TRA_1PNPDK20110416_161635_000000633101_00299_47727_4849.N1	16-APR-2011 16:16:35	Bright	63.000	122	9Alp2Lib	2.7470	9700.0	126	47727	No
225	GOM_TRA_1PNPDK20110416_161839_000000443101_00299_47727_4850.N1	16-APR-2011 16:18:39	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	47727	No
226	GOM_TRA_1PNPDK20110416_162523_000000403101_00299_47727_4851.N1	16-APR-2011 16:25:23	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	47727	No
227	GOM_TRA_1PNPDK20110416_162837_000000673101_00299_47727_4852.N1	16-APR-2011 16:28:37	Bright	67.000	111	8Eta Boo	2.6800	6000.0	134	47727	No
228	GOM_TRA_1PNPDK20110416_163326_000000383101_00299_47727_4853.N1	16-APR-2011 16:33:26	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	47727	No
229	GOM_TRA_1PNPDK20110416_163623_000000513101_00299_47727_4854.N1	16-APR-2011 16:36:23	Bright	50.500	180	27Gam Boo	3.0400	8000.0	101	47727	No
230	GOM_TRA_1PNPDK20110416_163824_000000383101_00299_47727_4855.N1	16-APR-2011 16:38:24	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	47727	No
231	GOM_TRA_1PNPDK20110416_164446_000000393101_00299_47727_4856.N1	16-APR-2011 16:44:46	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	47727	No
232	GOM_TRA_1PNPDK20110416_165452_000000383101_00299_47727_4857.N1	16-APR-2011 16:54:52	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47727	No
233	GOM_TRA_1PNPDK20110416_170006_000000513101_00299_47727_4858.N1	16-APR-2011 17:00:06	Bright	50.500	19	50Alp Cyg	1.2460	10500.	101	47727	No
234	GOM_TRA_1PNPDK20110416_170153_000000583101_00299_47727_4859.N1	16-APR-2011 17:01:53	Bright	57.500	66	37Gam Cyg	2.2080	5900.0	115	47727	No
235	GOM_TRA_1PNPDK20110416_170430_000000583101_00299_47727_4860.N1	16-APR-2011 17:04:30	Bright	57.500	92	53Eps Cyg	2.5000	4500.0	115	47727	No
236	GOM_TRA_1PNPDK20110416_171203_000000563101_00299_47727_4861.N1	16-APR-2011 17:12:03	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	47727	No
237	GOM_TRA_1PNPDK20110416_171431_000000463101_00299_47727_4862.N1	16-APR-2011 17:14:31	Dark	45.500	162	34Alp Aqr	2.9440	5350.0	91	47727	No
238	GOM_TRA_1PNPDK20110416_171712_000000503101_00299_47727_4863.N1	16-APR-2011 17:17:12	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	47727	No
239	GOM_TRA_1PNPDK20110416_171934_000000453101_00299_47727_4864.N1	16-APR-2011 17:19:34	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	47727	No
240	GOM_TRA_1PNPDK20110416_173353_000000633101_00300_47728_4865.N1	16-APR-2011 17:33:53	Dark	63.000	103	38Zet Sgr	2.6000	9700.0	126	47728	No
241	GOM_TRA_1PNPDK20110416_173724_000000653101_00300_47728_4866.N1	16-APR-2011 17:37:24	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47728	No
242	GOM_TRA_1PNPDK20110416_173923_000000463101_00300_47728_4867.N1	16-APR-2011 17:39:23	Dark	45.500	147	Alp Ara	2.8770	26000.	91	47728	No
243	GOM_TRA_1PNPDK20110416_174113_000000623101_00300_47728_4868.N1	16-APR-2011 17:41:13	Straylight	62.000	25	35Lam Sco	1.6200	28000.	124	47728	No
244	GOM_TRA_1PNPDK20110416_174505_000000703101_00300_47728_4869.N1	16-APR-2011 17:45:05	Straylight	69.500	75	26Eps Sco	2.2910	4250.0	139	47728	No
245	GOM_TRA_1PNPDK20110416_174820_000000443101_00300_47728_4870.N1	16-APR-2011 17:48:20	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	47728	No
246	GOM_TRA_1PNPDK20110416_175040_000000483101_00300_47728_4888.N1	16-APR-2011 17:50:40	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	47728	No
247	GOM_TRA_1PNPDK20110416_175649_000000663101_00300_47728_4889.N1	16-APR-2011 17:56:49	Bright	66.000	122	9Alp2Lib	2.7470	9700.0	132	47728	No
248	GOM_TRA_1PNPDK20110416_175853_000000453101_00300_47728_4890.N1	16-APR-2011 17:58:53	Bright	45.000	15	67Alp Vir	0.97600	28000.	90	47728	No
249	GOM_TRA_1PNPDK20110416_180538_000000393101_00300_47728_4891.N1	16-APR-2011 18:05:38	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	47728	No
250	GOM_TRA_1PNPDK20110416_180851_000000673101_00300_47728_4892.N1	16-APR-2011 18:08:51	Bright	67.000	111	8Eta Boo	2.6800	6000.0	134	47728	No
251	GOM_TRA_1PNPDK20110416_181339_000000393101_00300_47728_4893.N1	16-APR-2011 18:13:39	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47728	No
252	GOM_TRA_1PNPDK20110416_181636_000000493101_00300_47728_4894.N1	16-APR-2011 18:16:36	Bright	48.500	180	27Gam Boo	3.0400	8000.0	97	47728	No
253	GOM_TRA_1PNPDK20110416_181838_000000383101_00300_47728_4895.N1	16-APR-2011 18:18:38	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	47728	No
254	GOM_TRA_1PNPDK20110416_182500_000000393101_00300_47728_4896.N1	16-APR-2011 18:25:00	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	47728	No
255	GOM_TRA_1PNPDK20110416_183506_000000503101_00300_47728_4897.N1	16-APR-2011 18:35:06	Bright	50.000	89	5Alp Cep	2.4510	8000.0	100	47728	No
256	GOM_TRA_1PNPDK20110416_184020_000000523101_00300_47728_4898.N1	16-APR-2011 18:40:20	Bright	51.500	19	50Alp Cyg	1.2460	10500.	103	47728	No
257	GOM_TRA_1PNPDK20110416_184207_000000563101_00300_47728_4899.N1	16-APR-2011 18:42:07	Bright	55.500	66	37Gam Cyg	2.2080	5900.0	111	47728	No
258	GOM_TRA_1PNPDK20110416_184444_000000583101_00300_47728_4900.N1	16-APR-2011 18:44:44	Bright	58.000	92	53Eps Cyg	2.5000	4500.0	116	47728	No
259	GOM_TRA_1PNPDK20110416_185217_000000573101_00300_47728_4901.N1	16-APR-2011 18:52:17	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	47728	No
260	GOM_TRA_1PNPDK20110416_185445_000000483101_00300_47728_4902.N1	16-APR-2011 18:54:45	Dark	48.000	162	34Alp Aqr	2.9440	5350.0	96	47728	No
261	GOM_TRA_1PNPDK20110416_185727_000000503101_00300_47728_4903.N1	16-APR-2011 18:57:27	Dark	49.500	154	22Bet Aqr	2.8990	5700.0	99	47728	No
262	GOM_TRA_1PNPDK20110416_185948_000000433101_00300_47728_4904.N1	16-APR-2011 18:59:48	Dark	43.000	142	49Del Cap	2.8500	8900.0	86	47728	No
263	GOM_TRA_1PNPDK20110416_191409_000000613101_00301_47729_4905.N1	16-APR-2011 19:14:09	Dark	61.000	103	38Zet Sgr	2.6000	9700.0	122	47729	No
264	GOM_TRA_1PNPDK20110416_191739_000000653101_00301_47729_4906.N1	16-APR-2011 19:17:39	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47729	No
265	GOM_TRA_1PNPDK20110416_191938_000000483101_00301_47729_4907.N1	16-APR-2011 19:19:38	Dark	47.500	147	Alp Ara	2.8770	26000.	95	47729	No
266	GOM_TRA_1PNPDK20110416_192129_000000613101_00301_47729_4908.N1	16-APR-2011 19:21:29	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	47729	No
267	GOM_TRA_1PNPDK20110416_192520_000000693101_00301_47729_4927.N1	16-APR-2011 19:25:20	Straylight	69.000	75	26Eps Sco	2.2910	4250.0	138	47729	Yes
268	GOM_TRA_1PNPDK20110416_192834_000000453101_00301_47729_4928.N1	16-APR-2011 19:28:34	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	47729	No
269	GOM_TRA_1PNPDK20110416_193054_000000523101_00301_47729_4929.N1	16-APR-2011 19:30:54	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	47729	No
270	GOM_TRA_1PNPDK20110416_193703_000000663101_00301_47729_4930.N1	16-APR-2011 19:37:03	Bright	65.500	122	9Alp2Lib	2.7470	9700.0	131	47729	No



271	GOM_TRA_1PNPDK20110416_193907_000000443101_00301_47729_4931.N1	16-APR-2011 19:39:07	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	47729	No
272	GOM_TRA_1PNPDK20110416_194551_000000393101_00301_47729_4932.N1	16-APR-2011 19:45:51	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	47729	No
273	GOM_TRA_1PNPDK20110416_194904_000000463101_00301_47729_4933.N1	16-APR-2011 19:49:04	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	47729	No
274	GOM_TRA_1PNPDK20110416_195353_000000393101_00301_47729_4934.N1	16-APR-2011 19:53:53	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	47729	No
275	GOM_TRA_1PNPDK20110416_195649_000000703101_00301_47729_4935.N1	16-APR-2011 19:56:49	Bright	70.000	180	27Gam Boo	3.0400	8000.0	140	47729	No
276	GOM_TRA_1PNPDK20110416_195852_000000523101_00301_47729_4936.N1	16-APR-2011 19:58:52	Bright	51.500	32	77Eps UMa	1.7630	11000.	103	47729	No
277	GOM_TRA_1PNPDK20110416_200514_000000413101_00301_47729_4937.N1	16-APR-2011 20:05:14	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47729	No
278	GOM_TRA_1PNPDK20110416_201520_000000403101_00301_47729_4938.N1	16-APR-2011 20:15:20	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	47729	No
279	GOM_TRA_1PNPDK20110416_202034_000000513101_00301_47729_4939.N1	16-APR-2011 20:20:34	Bright	51.000	19	50Alp Cyg	1.2460	10500.	102	47729	No
280	GOM_TRA_1PNPDK20110416_202221_000000553101_00301_47729_4940.N1	16-APR-2011 20:22:21	Bright	55.000	66	37Gam Cyg	2.2080	5900.0	110	47729	No
281	GOM_TRA_1PNPDK20110416_202458_000000583101_00301_47729_4941.N1	16-APR-2011 20:24:58	Bright	57.500	92	53Eps Cyg	2.5000	4500.0	115	47729	No
282	GOM_TRA_1PNPDK20110416_203232_000000543101_00301_47729_4942.N1	16-APR-2011 20:32:32	Dark	53.500	61	8Eps Peg	2.1000	3900.0	107	47729	No
283	GOM_TRA_1PNPDK20110416_203500_000000473101_00301_47729_4943.N1	16-APR-2011 20:35:00	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	47729	No
284	GOM_TRA_1PNPDK20110416_203741_000000463101_00301_47729_4944.N1	16-APR-2011 20:37:41	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47729	No
285	GOM_TRA_1PNPDK20110416_204003_000000473101_00301_47729_4945.N1	16-APR-2011 20:40:03	Dark	46.500	142	49Del Cap	2.8500	8900.0	93	47729	No
286	GOM_TRA_1PNPDK20110416_205425_000000643101_00302_47730_4946.N1	16-APR-2011 20:54:25	Dark	63.500	103	38Zet Sgr	2.6000	9700.0	127	47730	No
287	GOM_TRA_1PNPDK20110416_205755_000000763101_00302_47730_4947.N1	16-APR-2011 20:57:55	Dark	76.000	38	20Eps Sgr	1.8360	11000.	152	47730	No
288	GOM_TRA_1PNPDK20110416_205953_000000463101_00302_47730_4948.N1	16-APR-2011 20:59:53	Dark	46.000	147	Alp Ara	2.8770	26000.	92	47730	No
289	GOM_TRA_1PNPDK20110416_210144_000000623101_00302_47730_4949.N1	16-APR-2011 21:01:44	Straylight	62.000	25	35Lam Sco	1.6200	28000.	124	47730	No
290	GOM_TRA_1PNPDK20110416_210535_000000693101_00302_47730_4950.N1	16-APR-2011 21:05:35	Straylight	68.500	75	26Eps Sco	2.2910	4250.0	137	47730	No
291	GOM_TRA_1PNPDE20110416_210849_000000443101_00302_47730_5944.N1	16-APR-2011 21:08:49	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	47730	No
292	GOM_TRA_1PNPDE20110416_211108_000000473101_00302_47730_5945.N1	16-APR-2011 21:11:08	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	47730	No
293	GOM_TRA_1PNPDE20110416_211717_000000633101_00302_47730_5946.N1	16-APR-2011 21:17:17	Bright	62.500	122	9Alp2Lib	2.7470	9700.0	125	47730	No
294	GOM_TRA_1PNPDE20110416_211921_000000413101_00302_47730_5947.N1	16-APR-2011 21:19:21	Bright	41.000	15	67Alp Vir	0.97600	28000.	82	47730	No
295	GOM_TRA_1PNPDE20110416_212605_000000393101_00302_47730_5948.N1	16-APR-2011 21:26:05	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	47730	No
296	GOM_TRA_1PNPDE20110416_212918_000000463101_00302_47730_5949.N1	16-APR-2011 21:29:18	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	47730	No
297	GOM_TRA_1PNPDE20110416_213407_000000383101_00302_47730_5950.N1	16-APR-2011 21:34:07	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	47730	No
298	GOM_TRA_1PNPDE20110416_213702_000000483101_00302_47730_5951.N1	16-APR-2011 21:37:02	Bright	48.000	180	27Gam Boo	3.0400	8000.0	96	47730	No
299	GOM_TRA_1PNPDE20110416_213906_000000403101_00302_47730_5952.N1	16-APR-2011 21:39:06	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47730	No
300	GOM_TRA_1PNPDE20110416_214528_000000413101_00302_47730_5953.N1	16-APR-2011 21:45:28	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47730	No
301	GOM_TRA_1PNPDE20110416_215534_000000403101_00302_47730_5954.N1	16-APR-2011 21:55:34	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	47730	No
302	GOM_TRA_1PNPDE20110416_220048_000000503101_00302_47730_5955.N1	16-APR-2011 22:00:48	Bright	50.000	19	50Alp Cyg	1.2460	10500.	100	47730	No
303	GOM_TRA_1PNPDE20110416_220235_000000543101_00302_47730_5956.N1	16-APR-2011 22:02:35	Bright	54.000	66	37Gam Cyg	2.2080	5900.0	108	47730	No
304	GOM_TRA_1PNPDE20110416_220513_000000583101_00302_47730_5957.N1	16-APR-2011 22:05:13	Bright	57.500	92	53Eps Cyg	2.5000	4500.0	115	47730	No
305	GOM_TRA_1PNPDE20110416_221246_000000543101_00302_47730_5958.N1	16-APR-2011 22:12:46	Dark	54.000	61	8Eps Peg	2.1000	3900.0	108	47730	No
306	GOM_TRA_1PNPDE20110416_221514_000000453101_00302_47730_5959.N1	16-APR-2011 22:15:14	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	47730	No
307	GOM_TRA_1PNPDE20110416_221756_000000473101_00302_47730_5960.N1	16-APR-2011 22:17:56	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	47730	No
308	GOM_TRA_1PNPDE20110416_222017_000000433101_00302_47730_5968.N1	16-APR-2011 22:20:17	Dark	43.000	142	49Del Cap	2.8500	8900.0	86	47730	No
309	GOM_TRA_1PNPDE20110416_223440_000000633101_00303_47731_5969.N1	16-APR-2011 22:34:40	Dark	63.000	103	38Zet Sgr	2.6000	9700.0	126	47731	No
310	GOM_TRA_1PNPDE20110416_223810_000000633101_00303_47731_5970.N1	16-APR-2011 22:38:10	Dark	62.500	38	20Eps Sgr	1.8360	11000.	125	47731	No
311	GOM_TRA_1PNPDE20110416_224007_000000473101_00303_47731_5971.N1	16-APR-2011 22:40:07	Dark	47.000	147	Alp Ara	2.8770	26000.	94	47731	No
312	GOM_TRA_1PNPDE20110416_224159_000000613101_00303_47731_5972.N1	16-APR-2011 22:41:59	Straylight	61.000	25	35Lam Sco	1.6200	28000.	122	47731	No
313	GOM_TRA_1PNPDE20110416_224550_000000713101_00303_47731_5973.N1	16-APR-2011 22:45:50	Straylight	71.000	75	26Eps Sco	2.2910	4250.0	142	47731	No
314	GOM_TRA_1PNPDE20110416_224903_000000443101_00303_47731_5974.N1	16-APR-2011 22:49:03	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	47731	No
315	GOM_TRA_1PNPDE20110416_225123_000000463101_00303_47731_5975.N1	16-APR-2011 22:51:23	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	47731	No
316	GOM_TRA_1PNPDE20110416_225731_000000633101_00303_47731_5976.N1	16-APR-2011 22:57:31	Bright	63.000	122	9Alp2Lib	2.7470	9700.0	126	47731	No
317	GOM_TRA_1PNPDE20110416_225935_000000443101_00303_47731_5977.N1	16-APR-2011 22:59:35	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	47731	No
318	GOM_TRA_1PNPDE20110416_230619_000000393101_00303_47731_5978.N1	16-APR-2011 23:06:19	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	47731	No
319	GOM_TRA_1PNPDE20110416_230931_000000453101_00303_47731_5979.N1	16-APR-2011 23:09:31	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	47731	No
320	GOM_TRA_1PNPDE20110416_231421_000000563101_00303_47731_5980.N1	16-APR-2011 23:14:21	Bright	56.000	152	12Alp2CVn	2.8900	11000.	112	47731	No
321	GOM_TRA_1PNPDE20110416_231715_000000733101_00303_47731_5981.N1	16-APR-2011 23:17:15	Bright	73.000	180	27Gam Boo	3.0400	8000.0	146	47731	No
322	GOM_TRA_1PNPDE20110416_231919_000000383101_00303_47731_5982.N1	16-APR-2011 23:19:19	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	47731	No
323	GOM_TRA_1PNPDE20110416_232541_000000363101_00303_47731_5983.N1	16-APR-2011 23:25:41	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	47731	No
324	GOM_TRA_1PNPDE20110416_233548_000000483101_00303_47731_5984.N1	16-APR-2011 23:35:48	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	47731	No
325	GOM_TRA_1PNPDE20110416_234102_000000503101_00303_47731_5985.N1	16-APR-2011 23:41:02	Bright	49.500	19	50Alp Cyg	1.2460	10500.	99	47731	No
326	GOM_TRA_1PNPDE20110416_234249_000000563101_00303_47731_5986.N1	16-APR-2011 23:42:49	Bright	55.500	66	37Gam Cyg	2.2080	5900.0	111	47731	No
327	GOM_TRA_1PNPDE20110416_234526_000000573101_00303_47731_5987.N1	16-APR-2011 23:45:26	Bright	57.000	92	53Eps Cyg	2.5000	4500.0	114	47731	No
328	GOM_TRA_1PNPDE20110416_235301_000000543101_00303_47731_5988.N1	16-APR-2011 23:53:01	Dark	53.500	61	8Eps Peg	2.1000	3900.0	107	47731	No
329	GOM_TRA_1PNPDE20110416_235528_000000443101_00303_47731_5989.N1	16-APR-2011 23:55:28	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	47731	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.

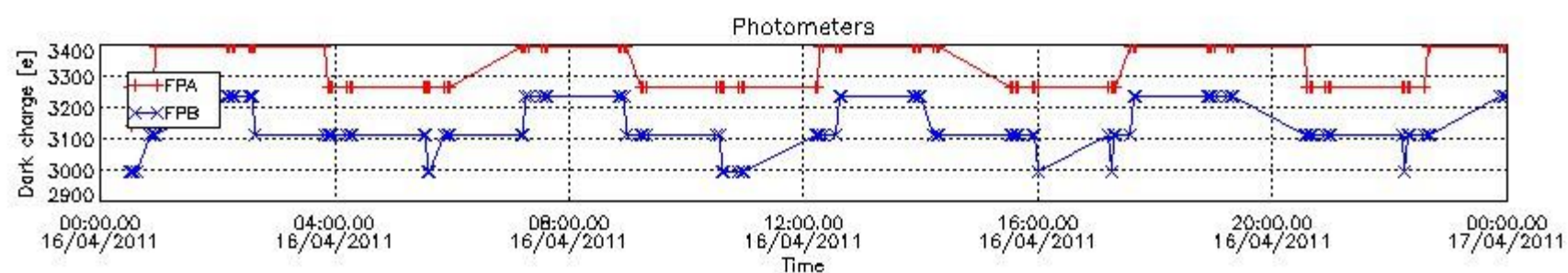
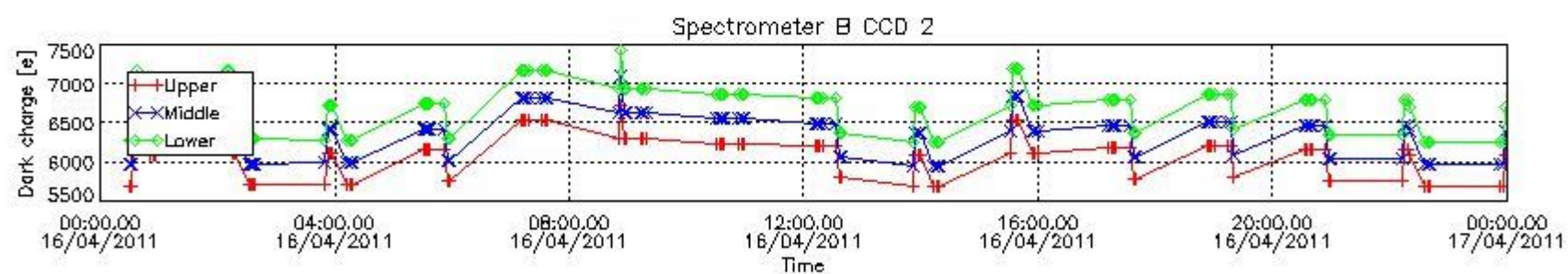
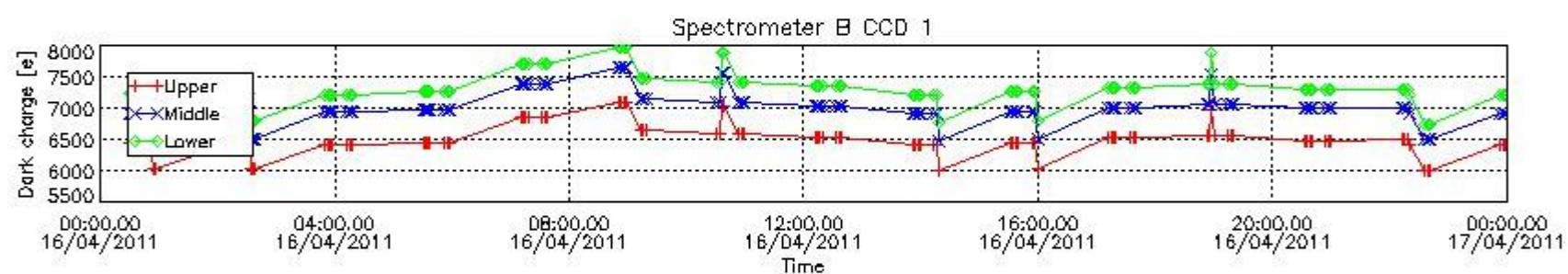
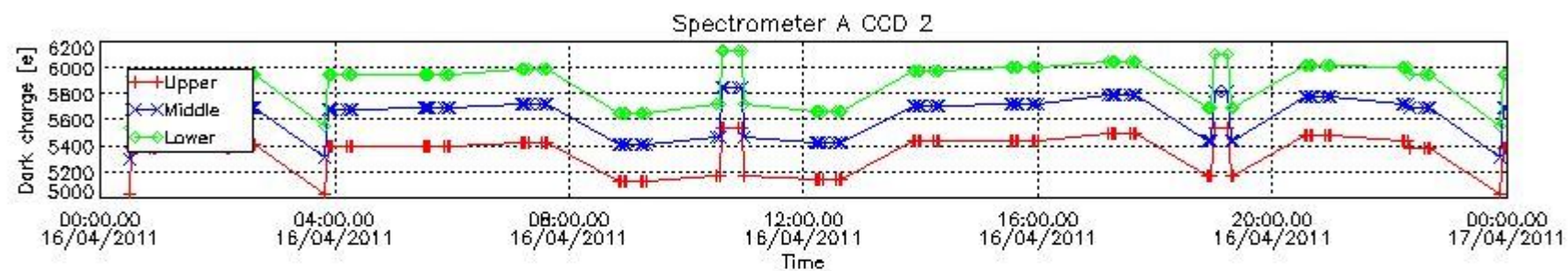
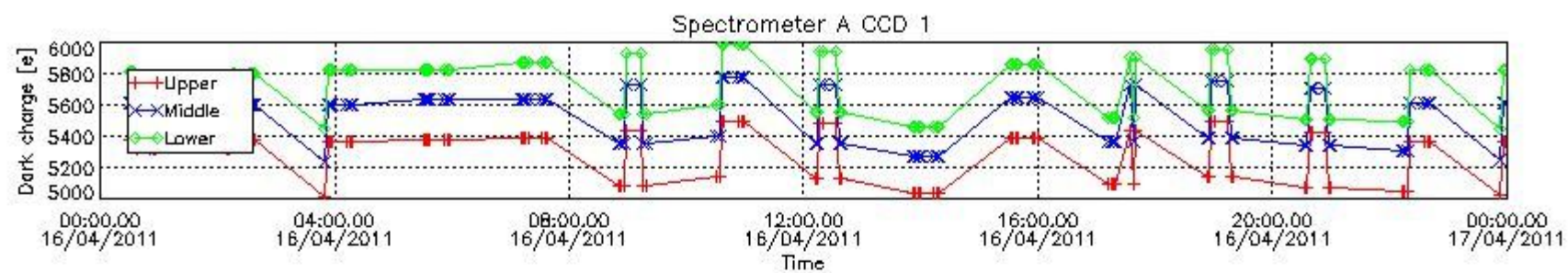
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110416_210849_000000443101_00302_47730_5944.N1	DC map used
GOM_TRA_1PNPDE20110416_211108_000000473101_00302_47730_5945.N1	DC map used
GOM_TRA_1PNPDE20110416_211717_000000633101_00302_47730_5946.N1	DC map used
GOM_TRA_1PNPDE20110416_211921_000000413101_00302_47730_5947.N1	DC map used
GOM_TRA_1PNPDE20110416_212605_000000393101_00302_47730_5948.N1	DC map used
GOM_TRA_1PNPDE20110416_212918_000000463101_00302_47730_5949.N1	DC map used
GOM_TRA_1PNPDE20110416_213407_000000383101_00302_47730_5950.N1	DC map used
GOM_TRA_1PNPDE20110416_213702_000000483101_00302_47730_5951.N1	DC map used
GOM_TRA_1PNPDE20110416_213906_000000403101_00302_47730_5952.N1	DC map used



GOM_TRA_1PNPDE20110416_214528_000000413101_00302_47730_5953.N1	DC map used
GOM_TRA_1PNPDE20110416_215534_000000403101_00302_47730_5954.N1	DC map used
GOM_TRA_1PNPDE20110416_220048_000000503101_00302_47730_5955.N1	DC map used
GOM_TRA_1PNPDE20110416_220235_000000543101_00302_47730_5956.N1	DC map used
GOM_TRA_1PNPDE20110416_220513_000000583101_00302_47730_5957.N1	DC map used
GOM_TRA_1PNPDE20110416_221246_000000543101_00302_47730_5958.N1	DC map used
GOM_TRA_1PNPDE20110416_221514_000000453101_00302_47730_5959.N1	DC map used
GOM_TRA_1PNPDE20110416_221756_000000473101_00302_47730_5960.N1	DC map used

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



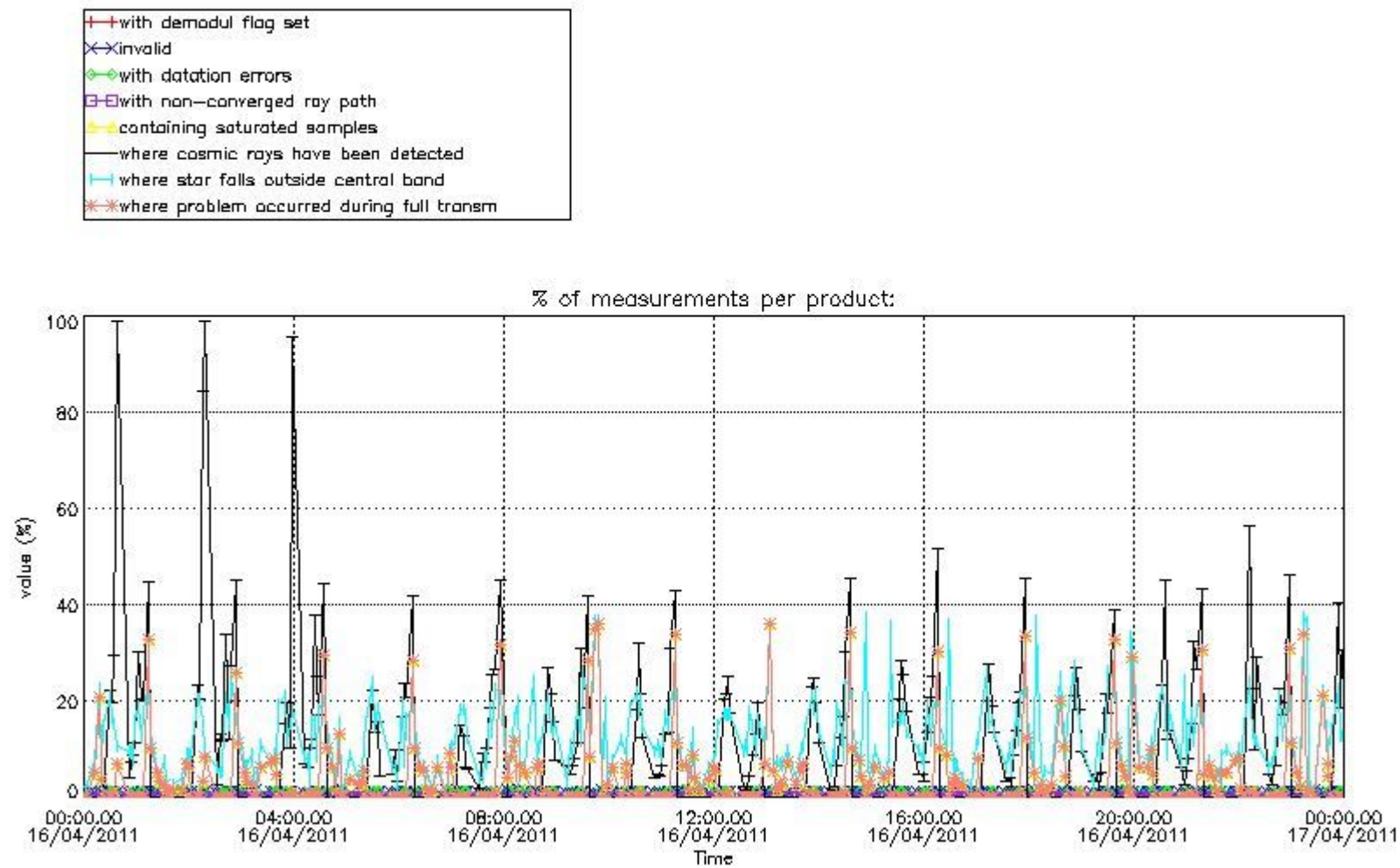
## 5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

### 5.1 Percentage of products during reporting period with:

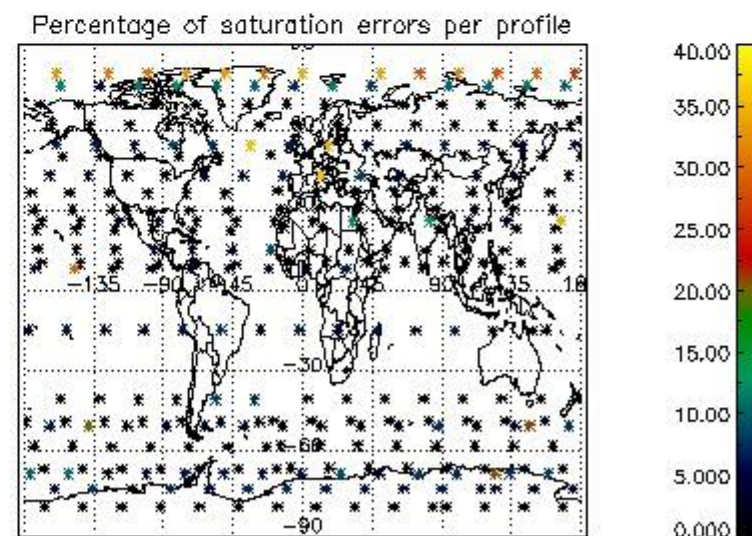
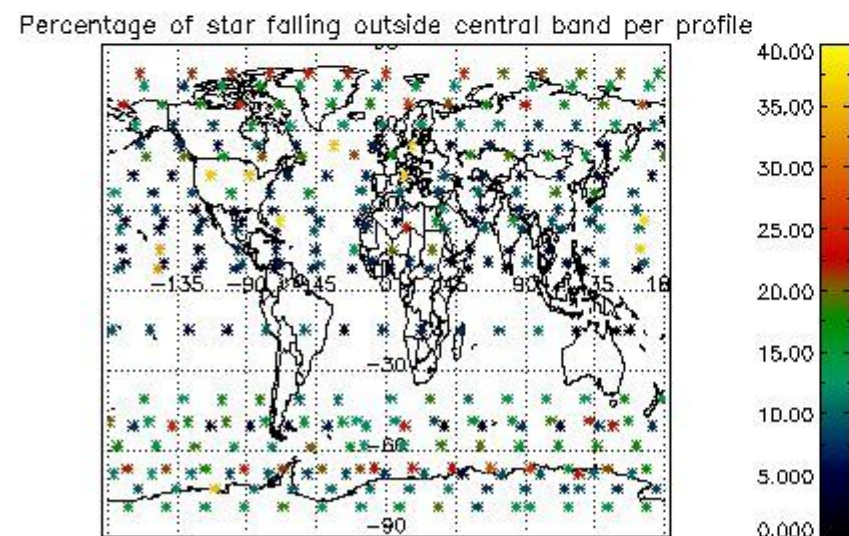
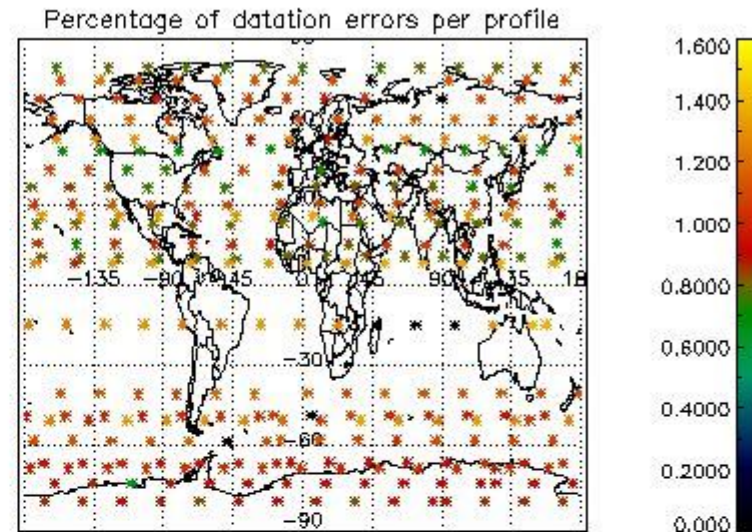
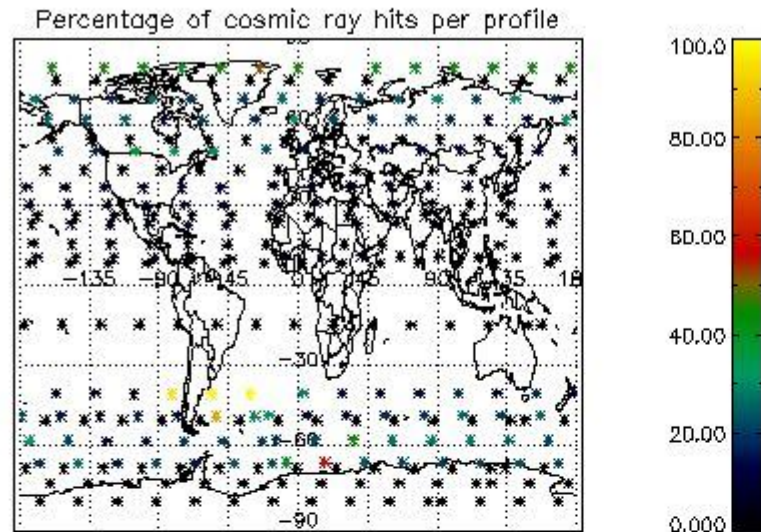
At least one measurement with demodulation flag set:	45.8716 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





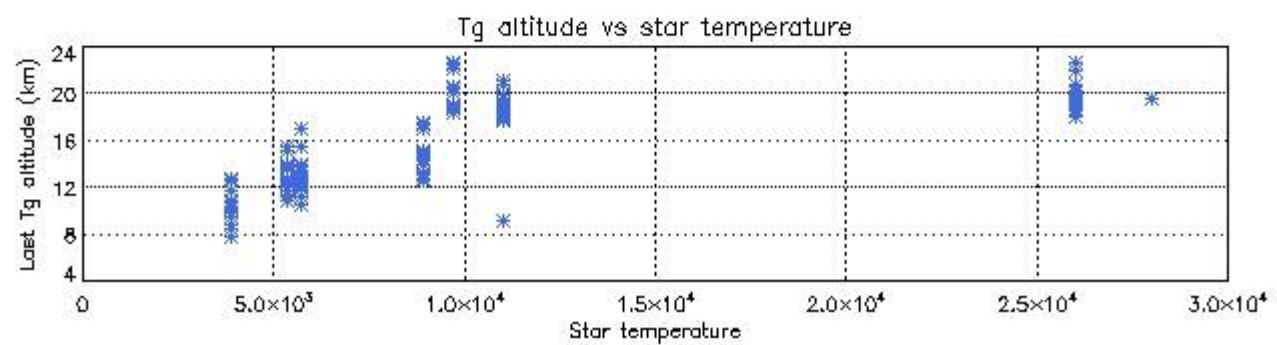
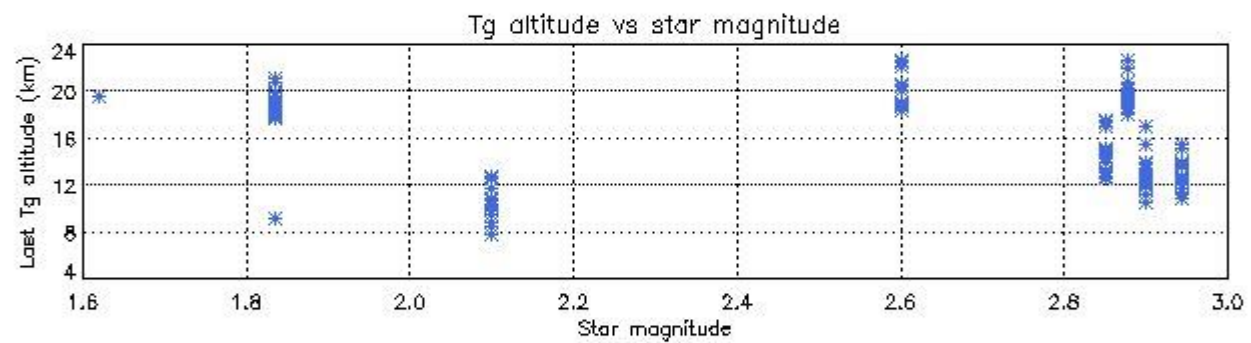
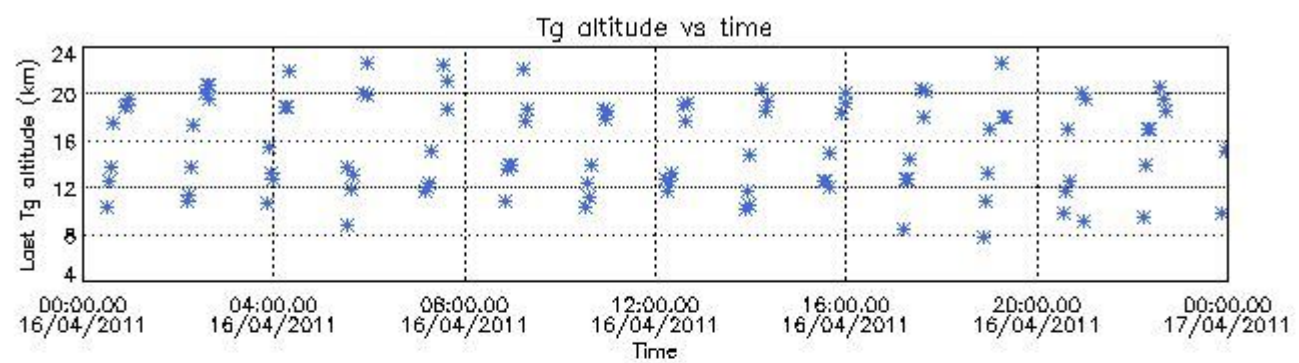
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.557	17.587	NaN
St. deviation:	3.9438	5.4481	NaN
Maximum:	22.583	29.463	NaN
Minimum:	7.8444	3.2741	NaN
Number of data:	102.00	171.00	NaN

### 6.2 Plot for DARK limb products

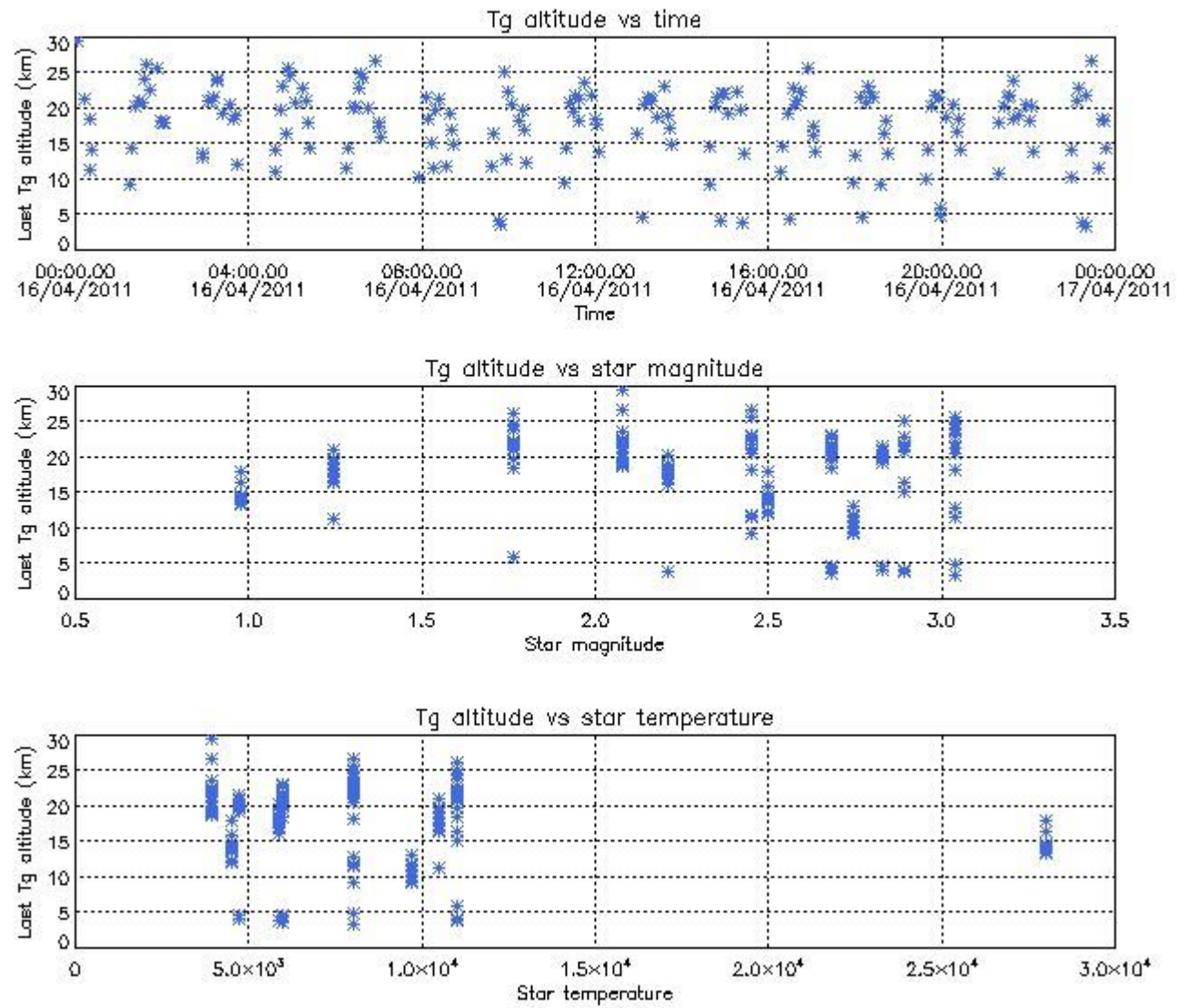
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



## Tangent altitude at which the star is lost



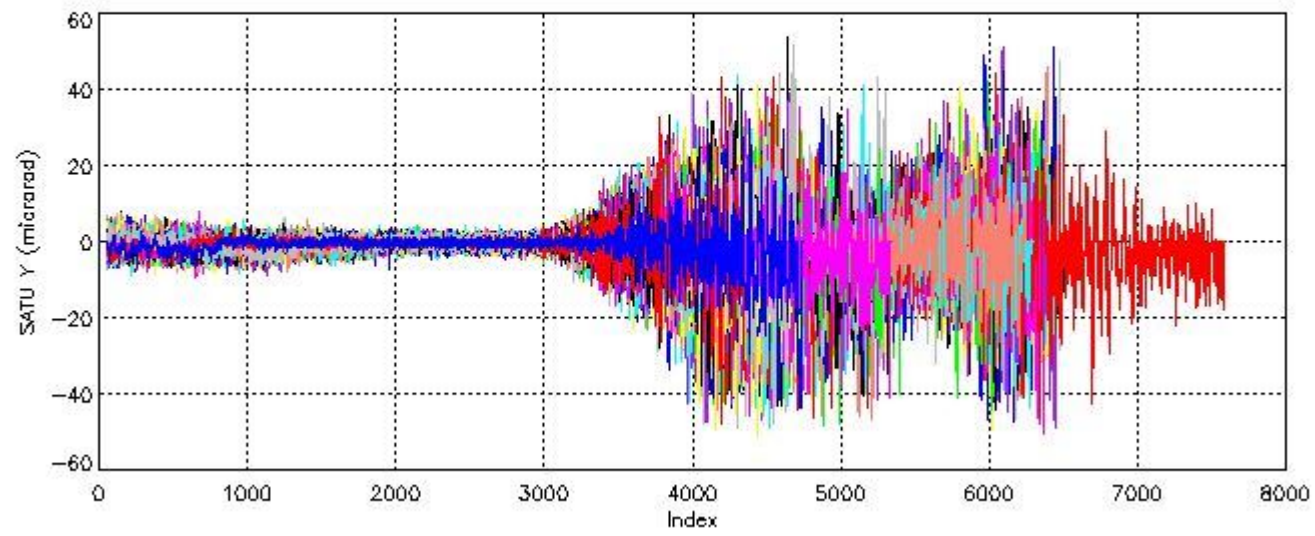
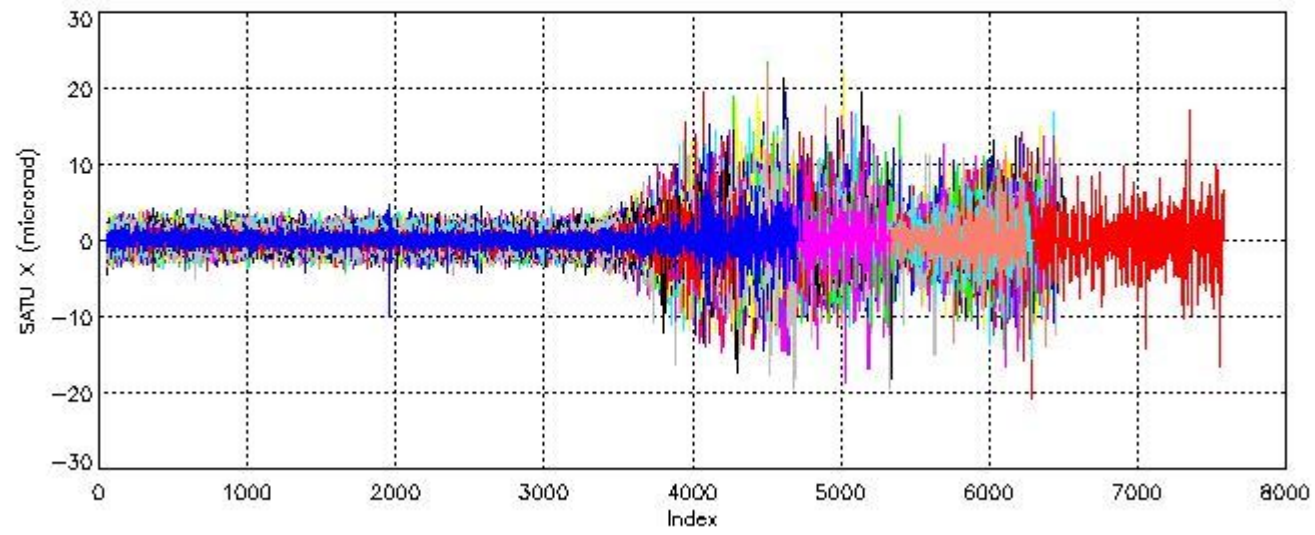
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.20026	-1.1398	0.26818	-1.2304
St. deviation:	0.72839	1.6499	0.77708	1.6243
Maximum:	4.3000	8.1000	6.7000	8.4000
Minimum:	-5.1000	-9.6000	-7.5000	-10.200

Number of data: 1.1935E+05 1.1935E+05 1.7995E+05 1.7995E+05

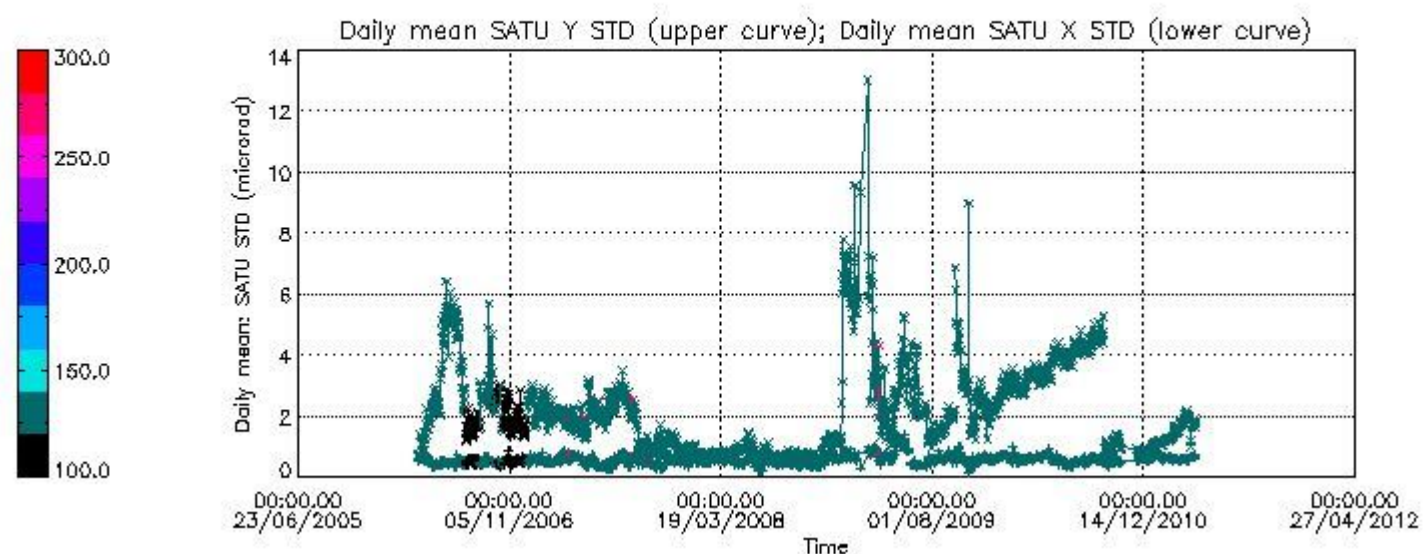
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

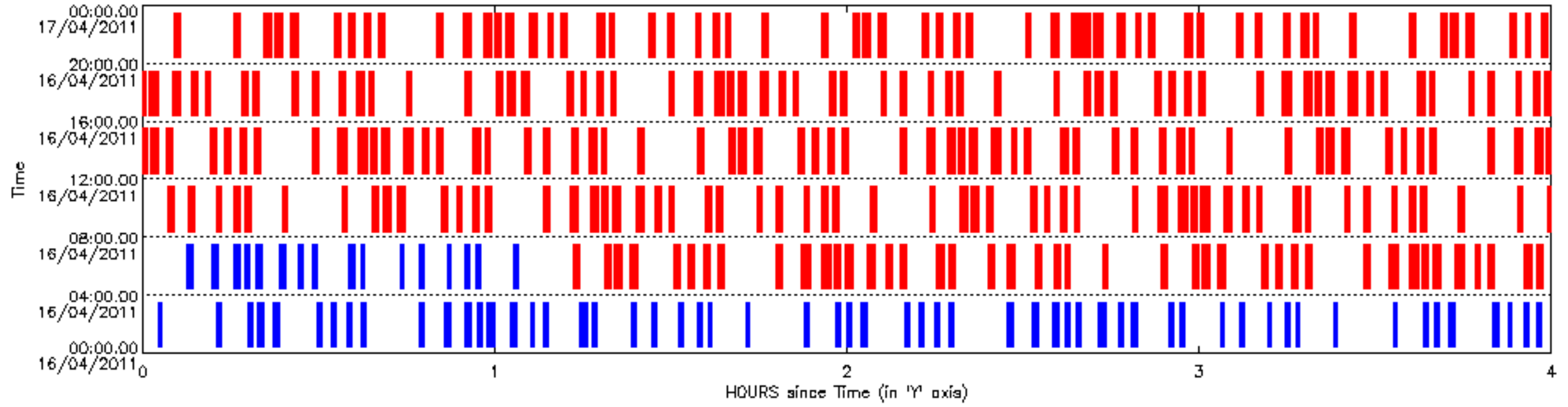


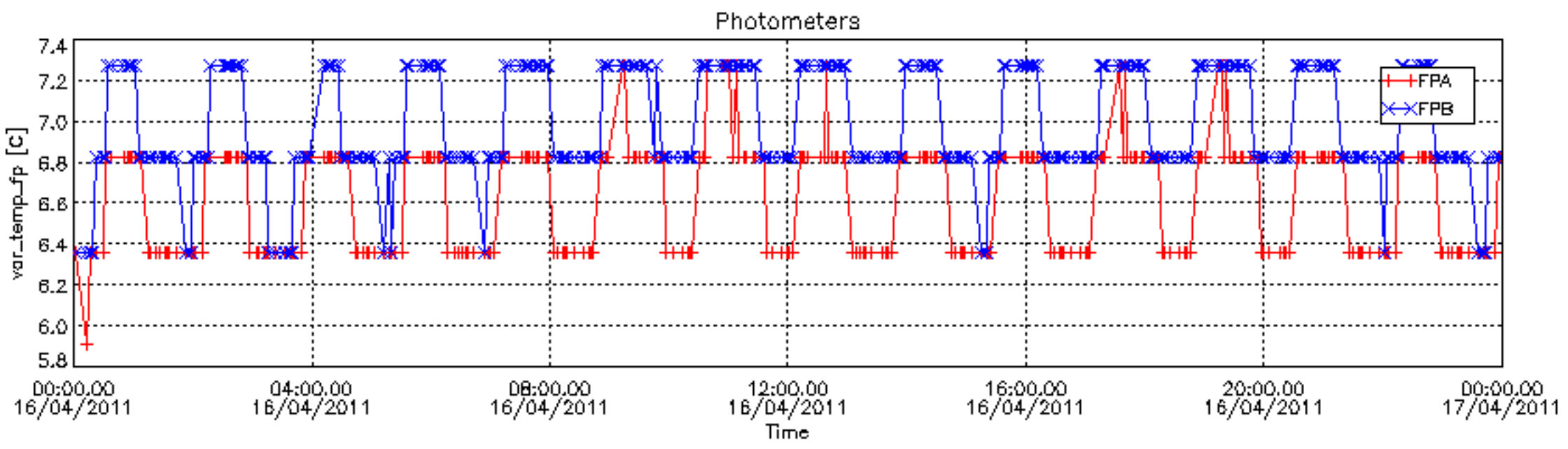
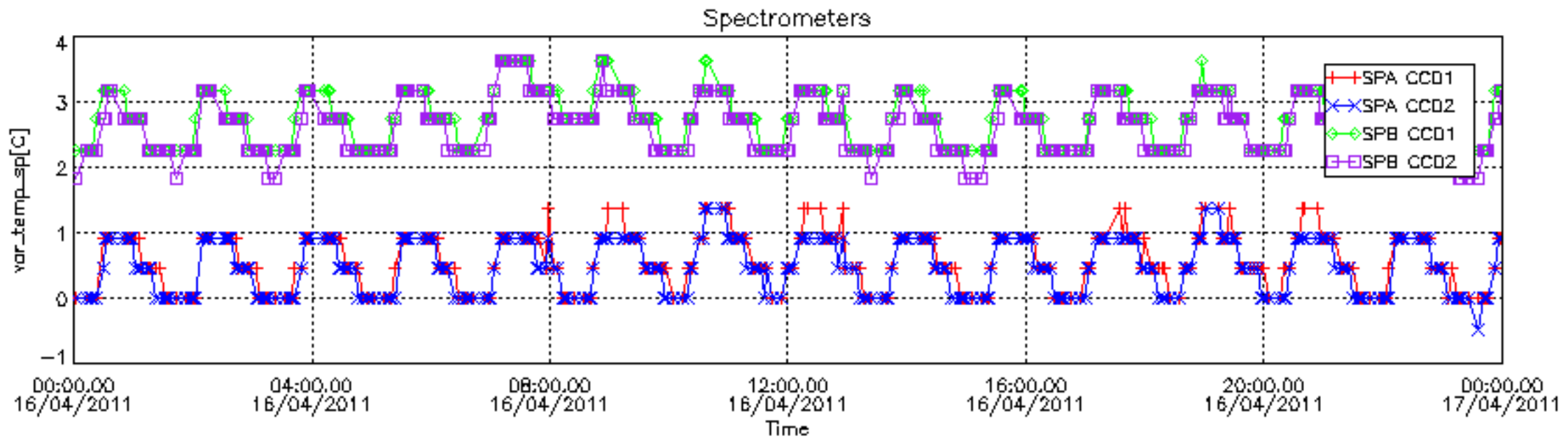
### 8. Auxiliary Data Files used for the production reported in section 2.4

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.

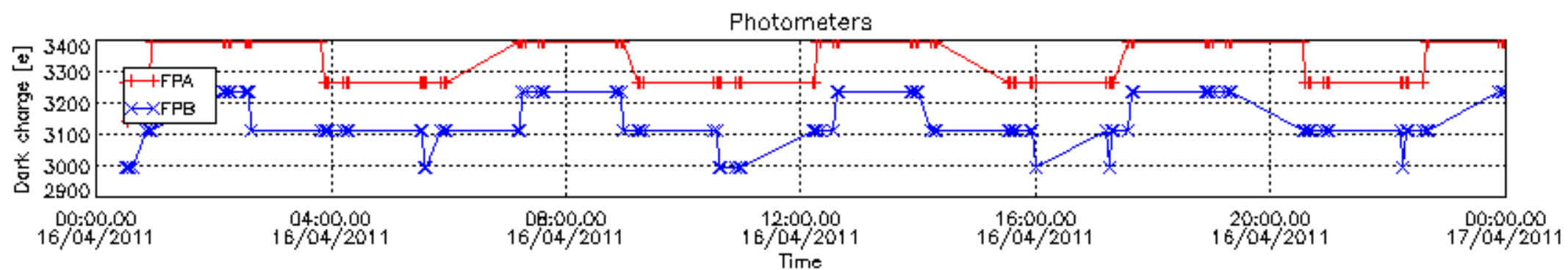
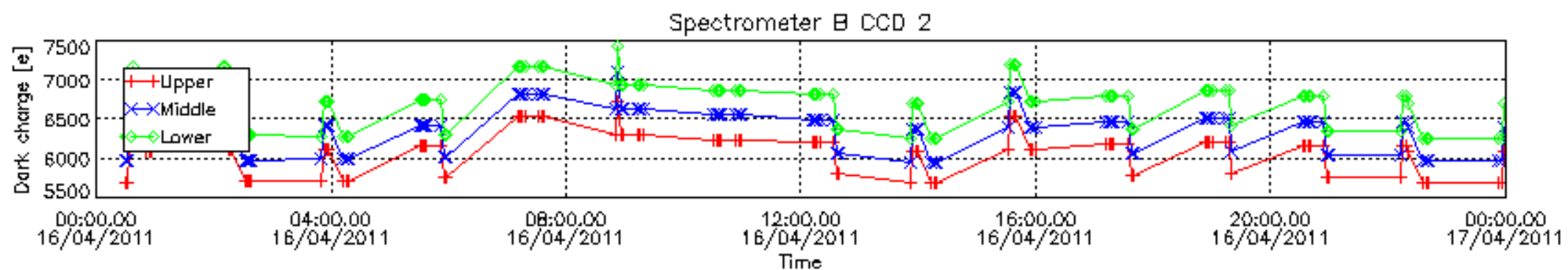
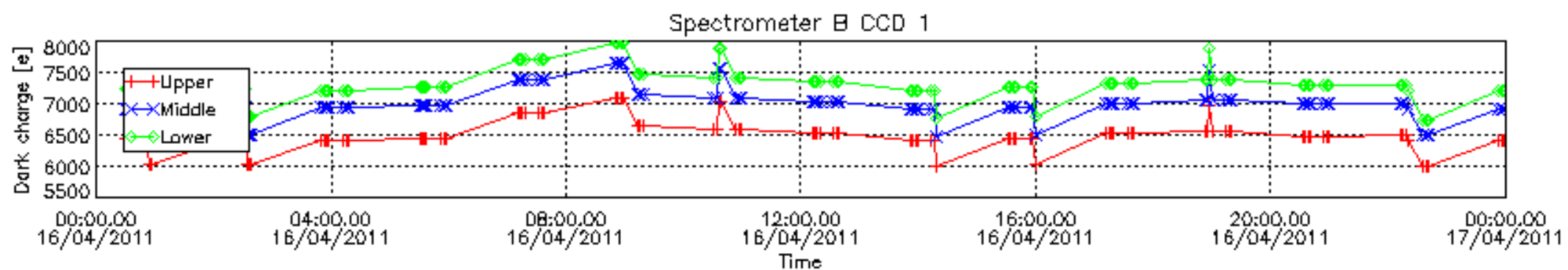
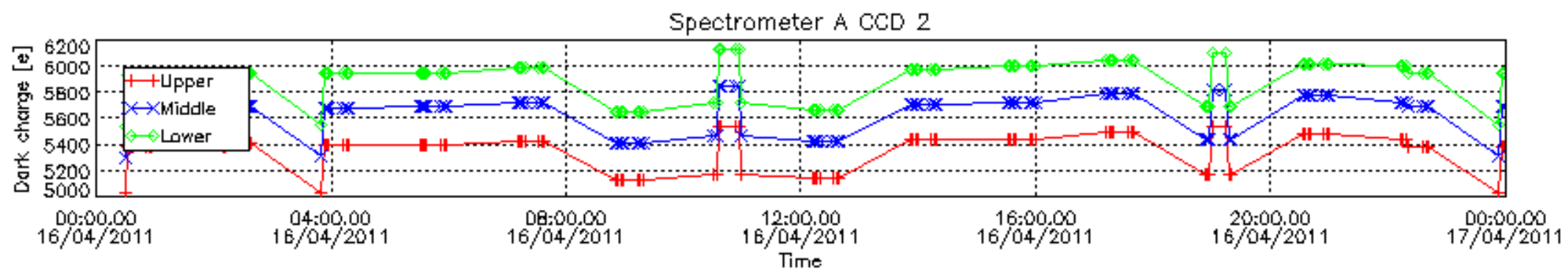
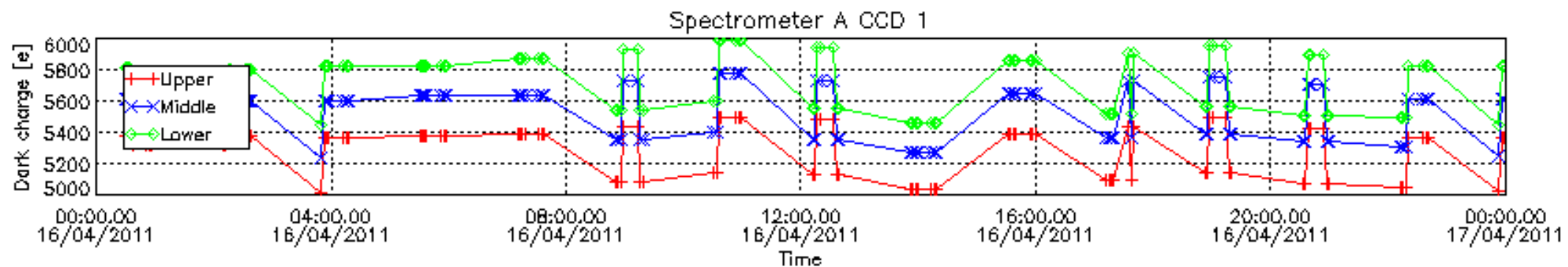
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	16-APR-2011 00:02:29
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110415_083326_20110414_000000_20500101_000000	1	16-APR-2011 00:02:29
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	16-APR-2011 00:02:29
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	16-APR-2011 00:02:29
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	16-APR-2011 00:02:29
ECMWF_FILE	AUX_ECF_AXNECM20110415_062115_20110415_210000_20110416_090000	1	16-APR-2011 00:02:29
ECMWF_FILE	AUX_ECA_AXNECM20110416_062112_20110415_210000_20110416_090000	94	16-APR-2011 06:53:29
ECMWF_FILE	AUX_ECF_AXNECM20110415_182115_20110416_030000_20110416_150000	110	16-APR-2011 07:57:29
ECMWF_FILE	AUX_ECF_AXNECM20110416_062113_20110416_090000_20110416_210000	134	16-APR-2011 09:44:28
ECMWF_FILE	AUX_ECF_AXNECM20110416_062113_20110416_150000_20110417_030000	224	16-APR-2011 16:16:35
ECMWF_FILE	AUX_ECA_AXNECM20110416_183115_20110416_090000_20110416_210000	246	16-APR-2011 17:50:40
ECMWF_FILE	AUX_ECF_AXNECM20110416_062113_20110416_150000_20110417_030000	267	16-APR-2011 19:25:20
ECMWF_FILE	AUX_ECF_AXNECM20110416_062114_20110416_210000_20110417_090000	291	16-APR-2011 21:08:49
OPTIONAL_ECMWF_FILE	MISSING	1	16-APR-2011 00:02:29
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110415_102113_20110414_184419_20110424_205807	1	16-APR-2011 00:02:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110416_003503_000054193101_00289_47717_2920.N1	9	16-APR-2011 00:37:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110416_021041_000041443101_00290_47718_2921.N1	31	16-APR-2011 02:15:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110416_032505_000057383101_00291_47719_2922.N1	48	16-APR-2011 03:33:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110416_050602_000057383101_00292_47720_2923.N1	71	16-APR-2011 05:13:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110416_064659_000038263101_00293_47721_4321.N1	94	16-APR-2011 06:53:29

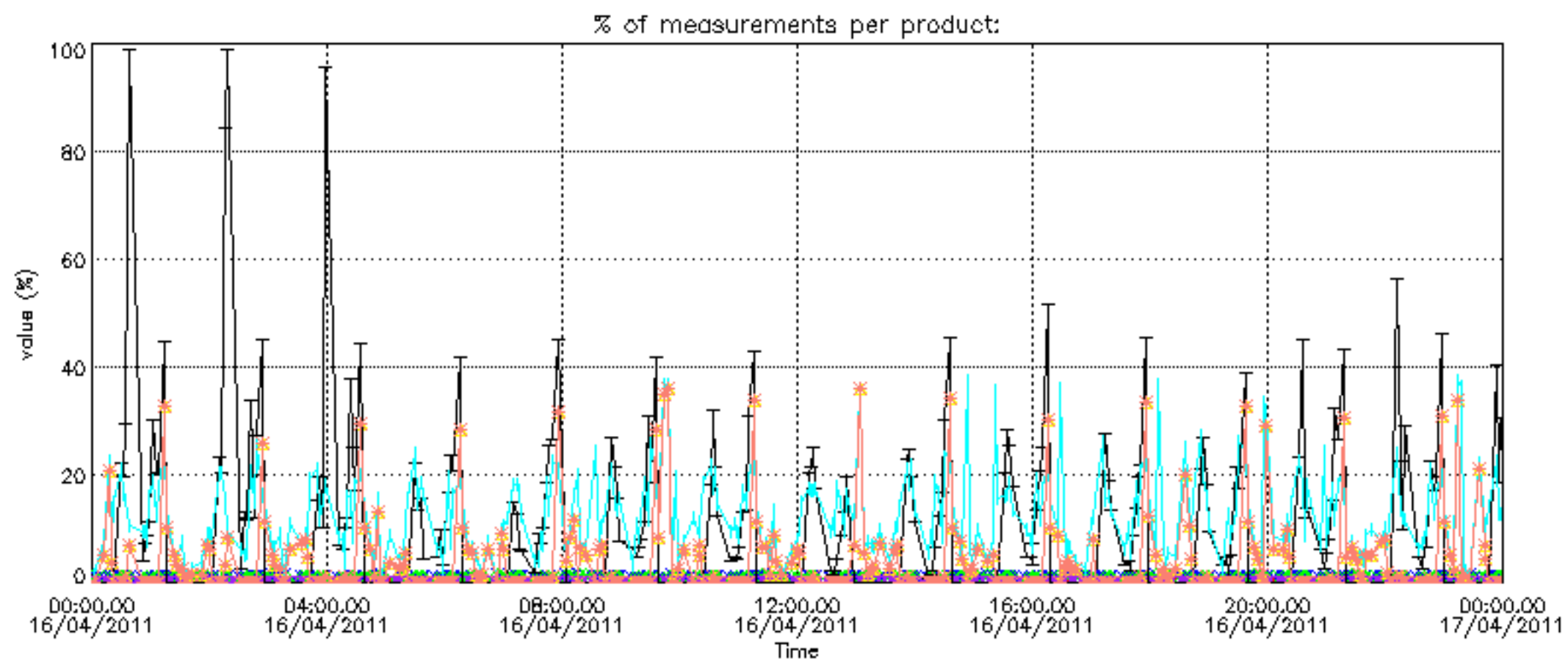
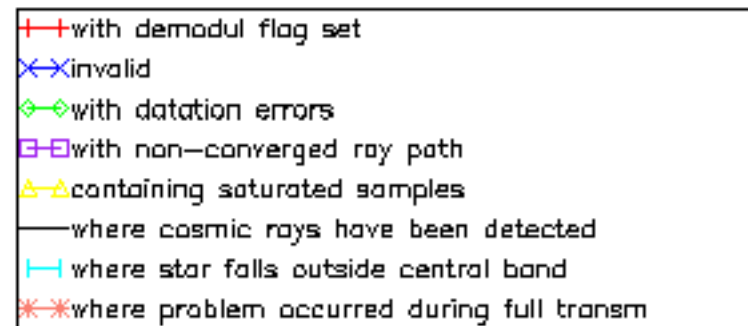
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110416_075603_000057383101_00294_47722_4322.N1	110	16-APR-2011 07:57:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110416_093700_000057383101_00295_47723_4323.N1	134	16-APR-2011 09:44:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110416_111238_000057383101_00296_47724_4324.N1	156	16-APR-2011 11:17:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110416_125335_000057383101_00297_47725_4325.N1	178	16-APR-2011 12:56:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110416_143432_000054193101_00298_47726_4326.N1	201	16-APR-2011 14:36:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110416_161011_000054193101_00299_47727_4327.N1	224	16-APR-2011 16:16:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110416_174549_000054193101_00300_47728_4328.N1	246	16-APR-2011 17:50:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110416_192127_000060573101_00301_47729_4329.N1	267	16-APR-2011 19:25:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110416_210224_000041443101_00302_47730_2924.N1	291	16-APR-2011 21:08:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110416_221647_000057383101_00302_47730_2925.N1	308	16-APR-2011 22:20:17



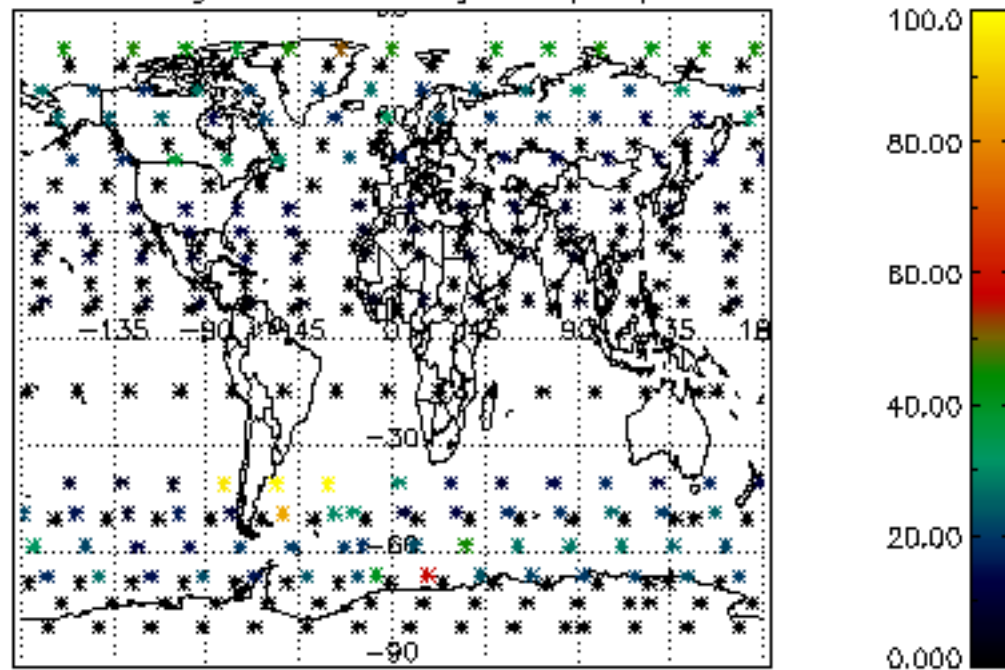




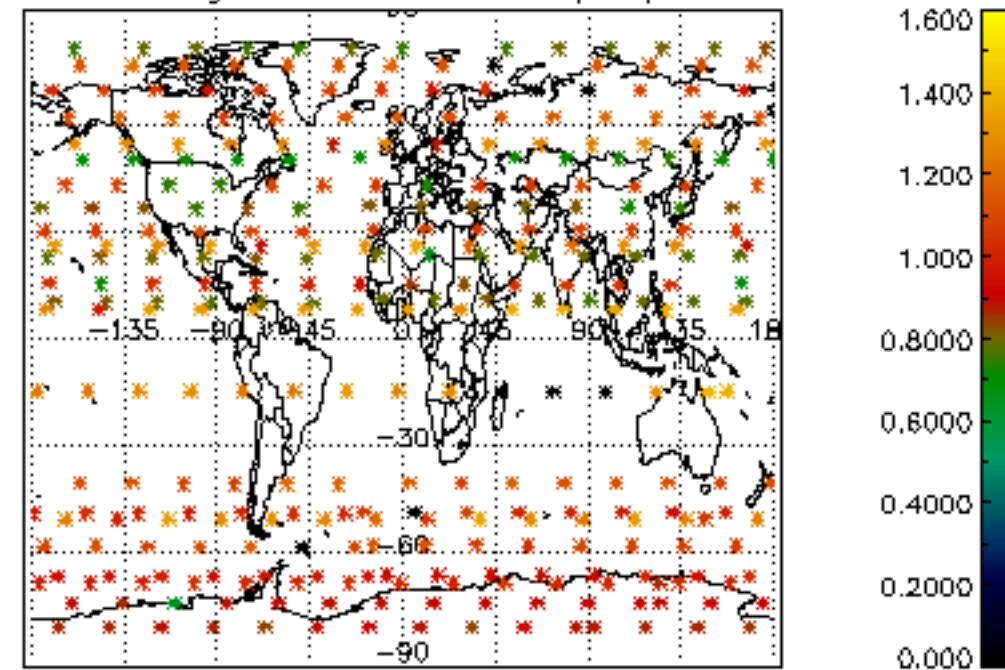




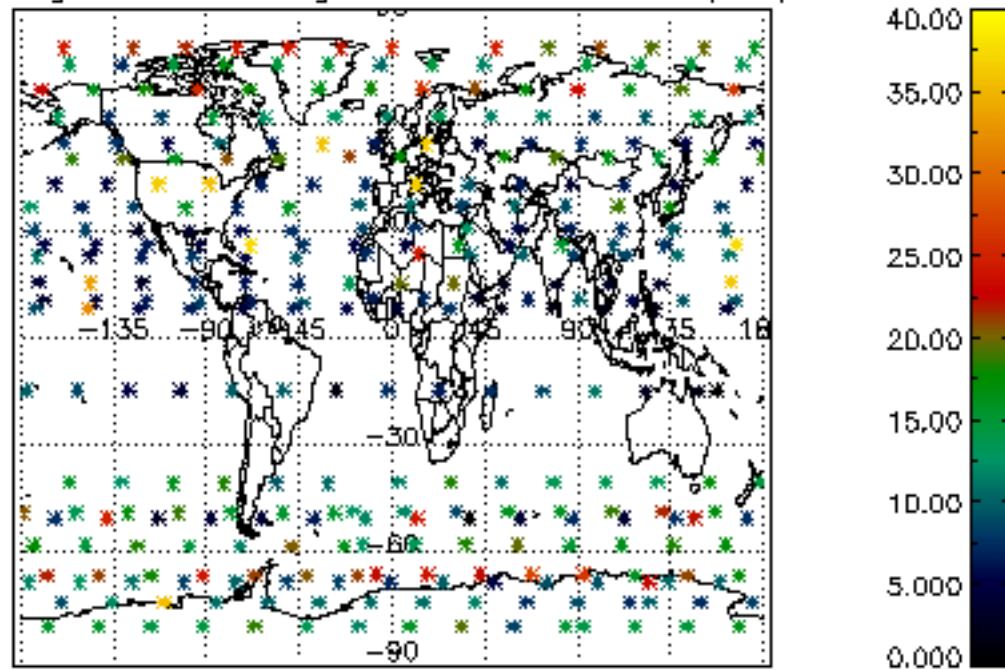
Percentage of cosmic ray hits per profile



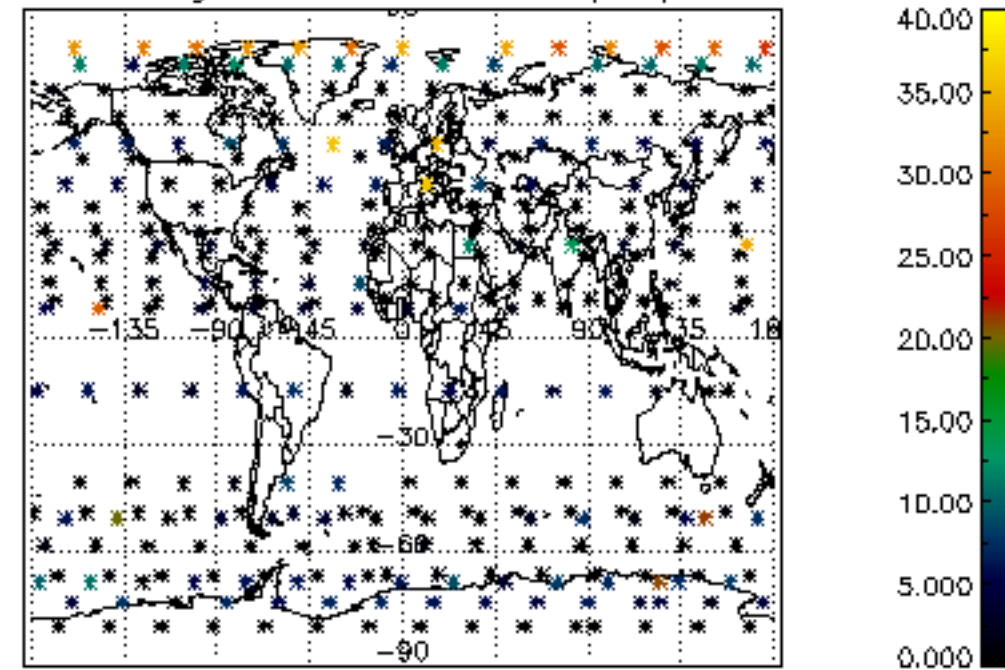
Percentage of datation errors per profile



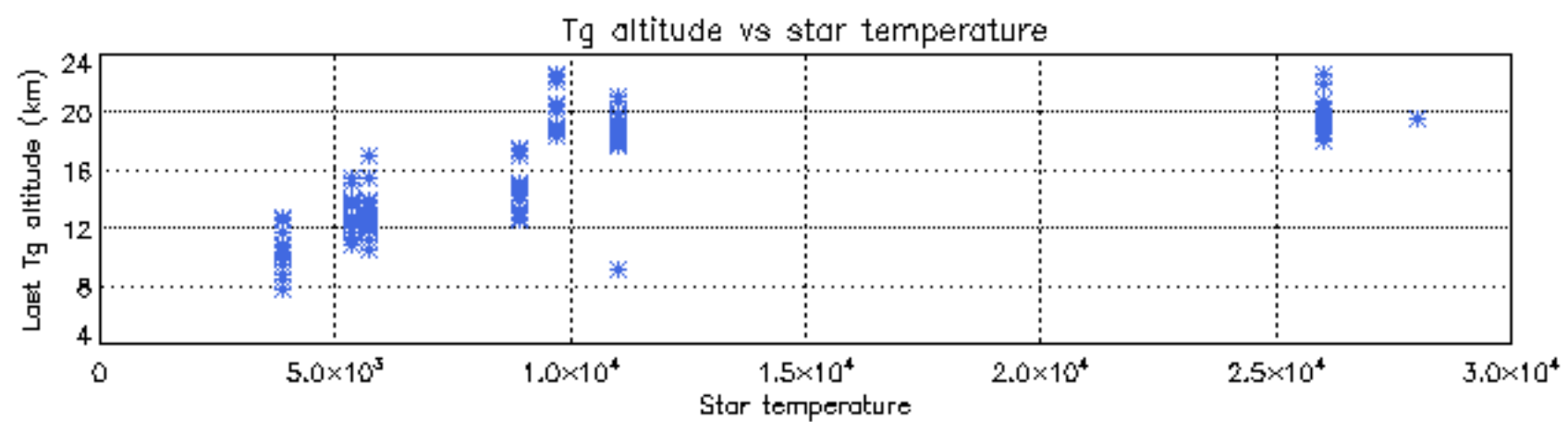
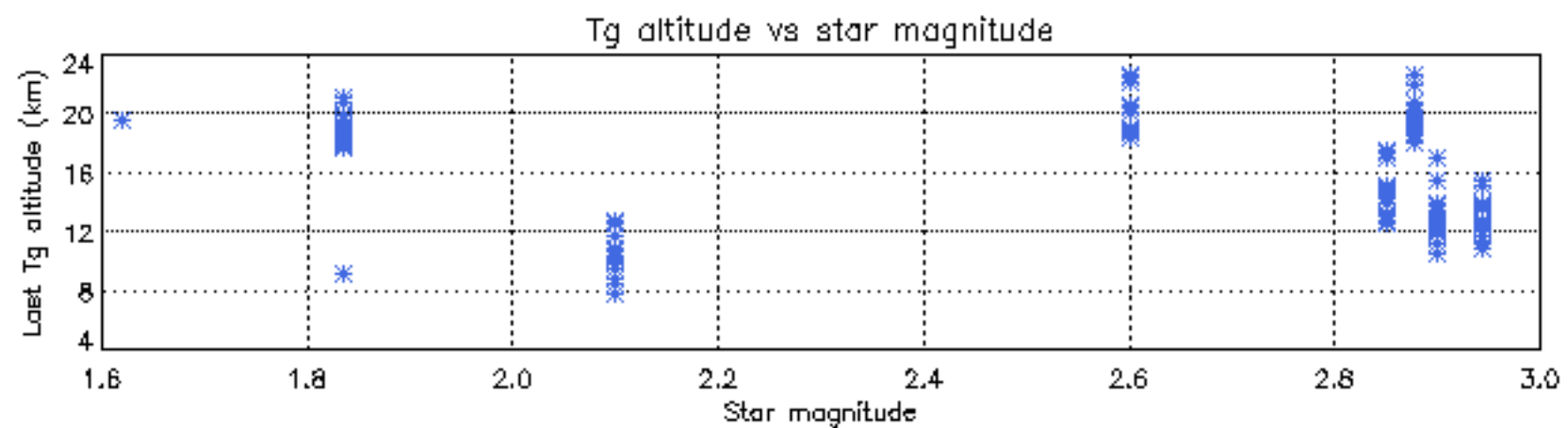
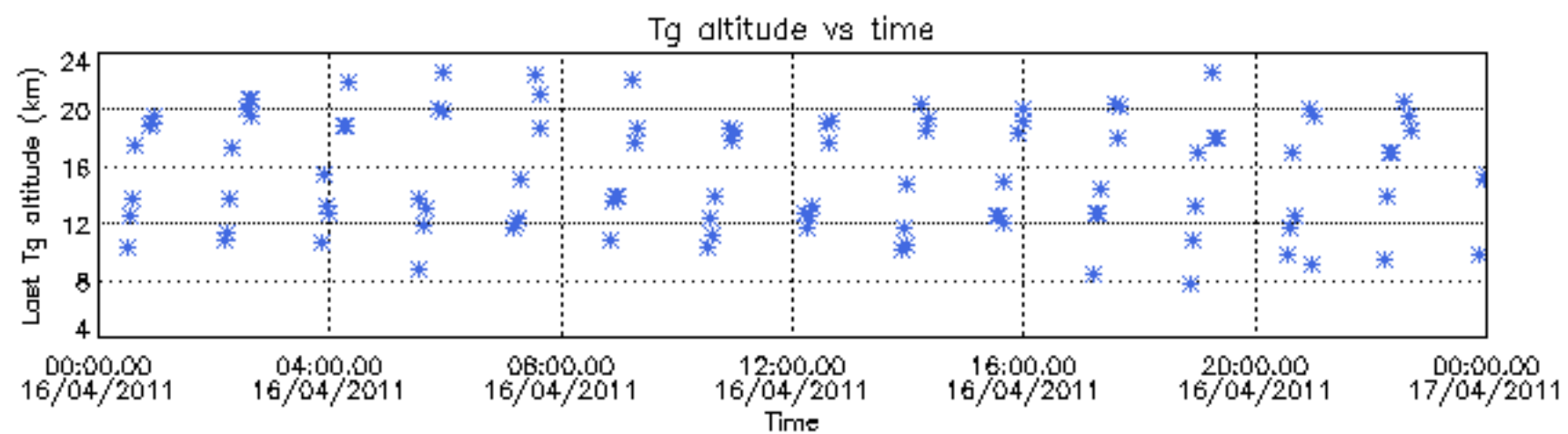
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

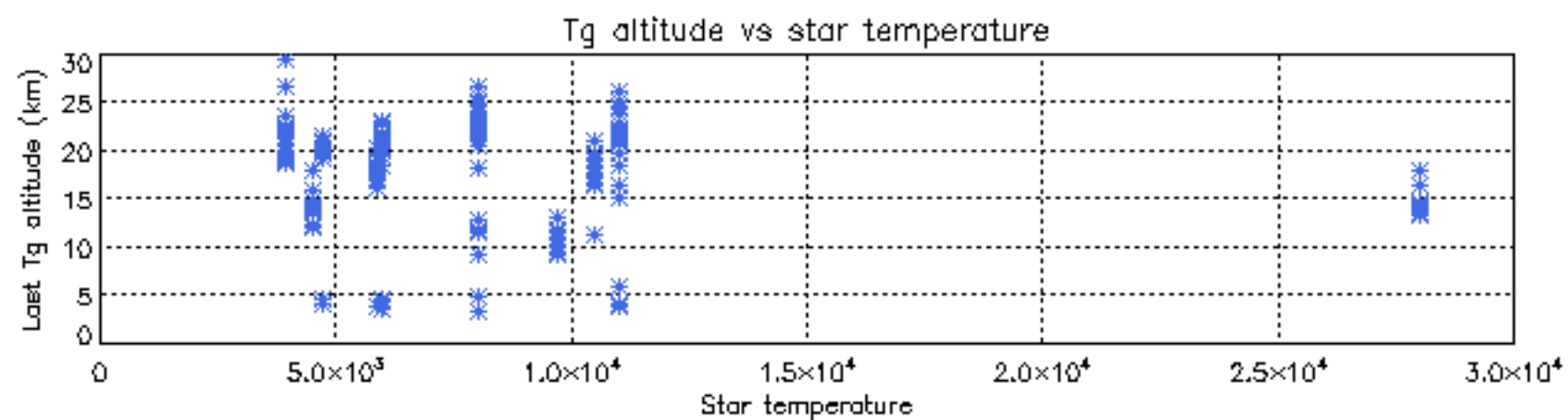
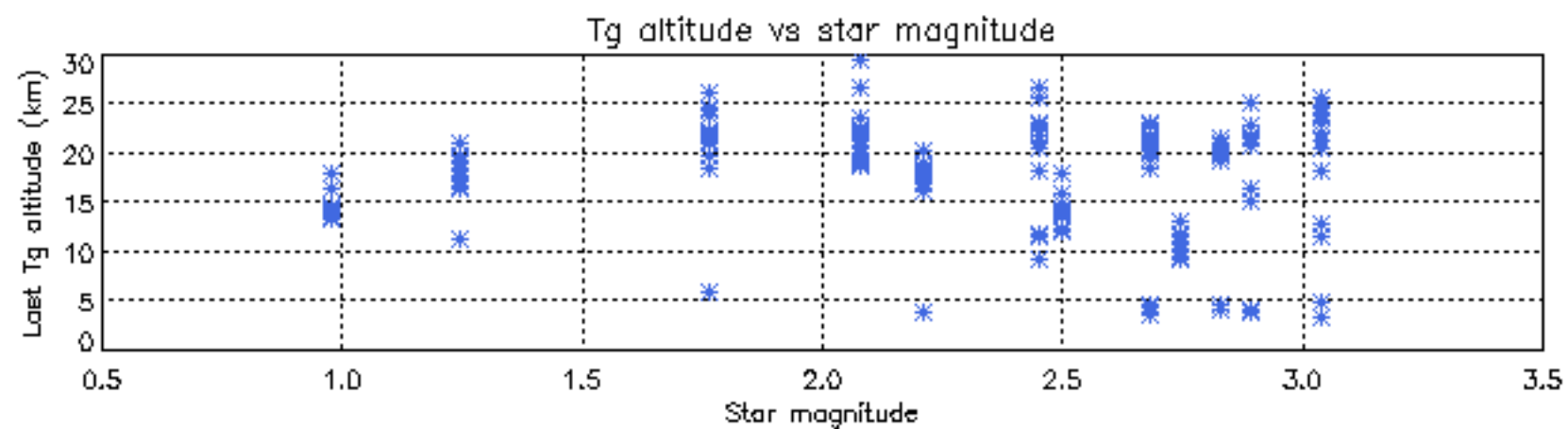
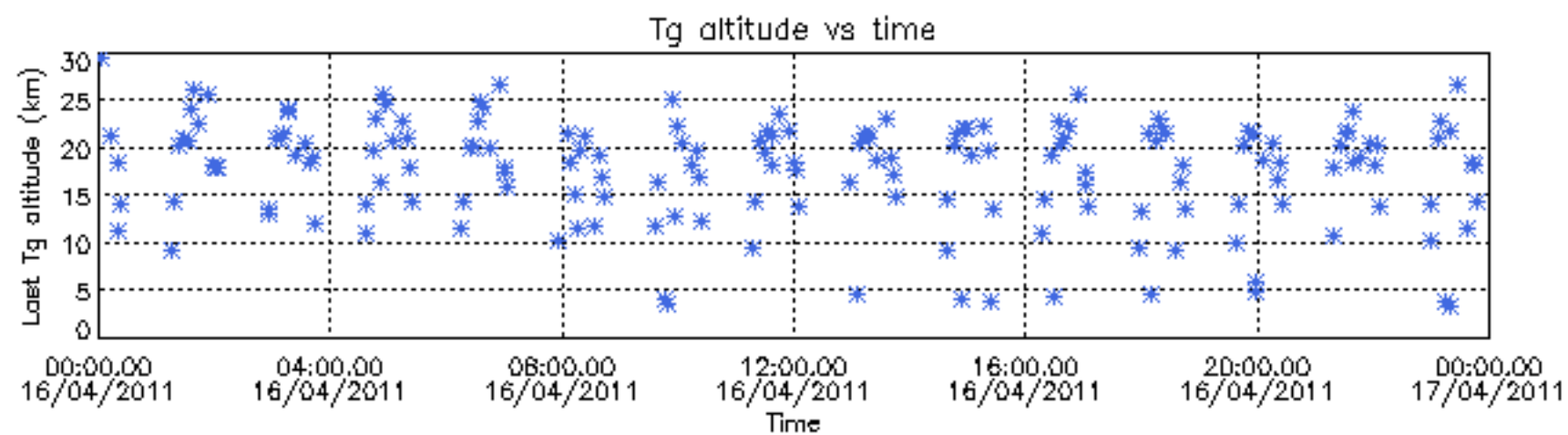


Tangent altitude at which the star is lost

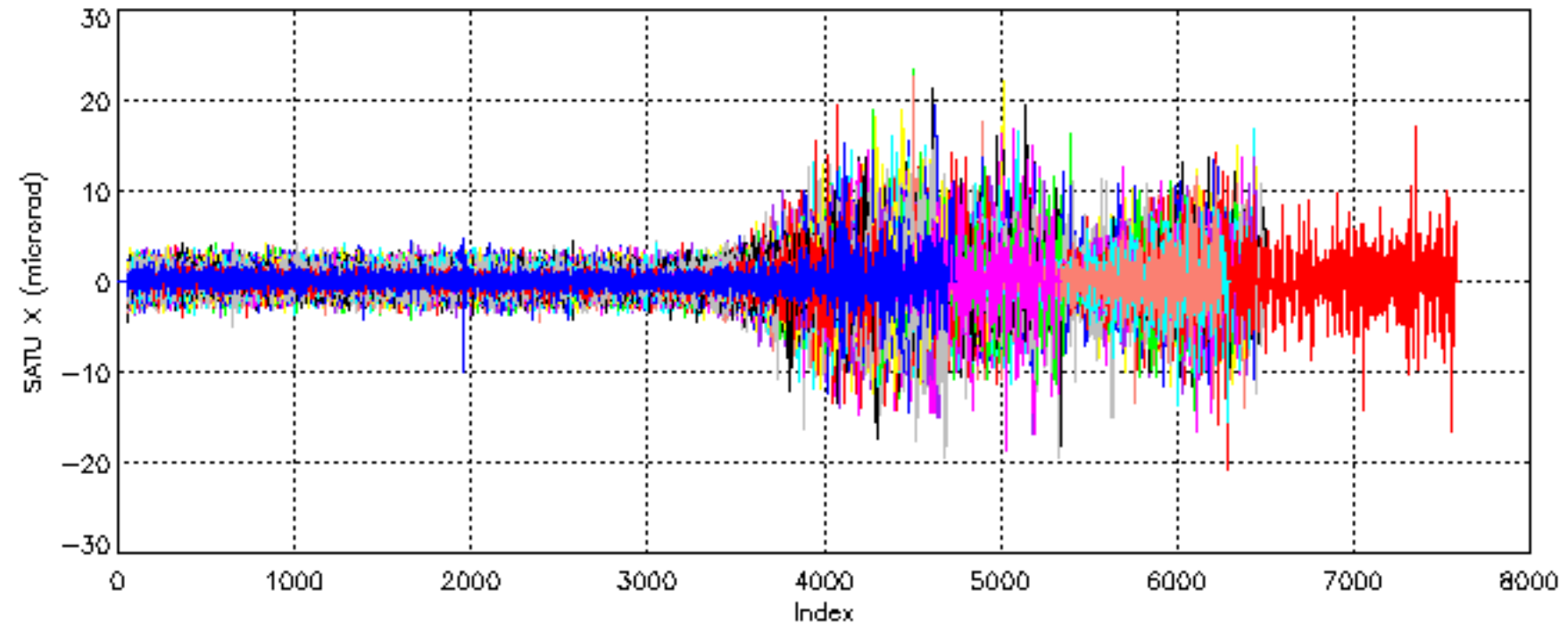


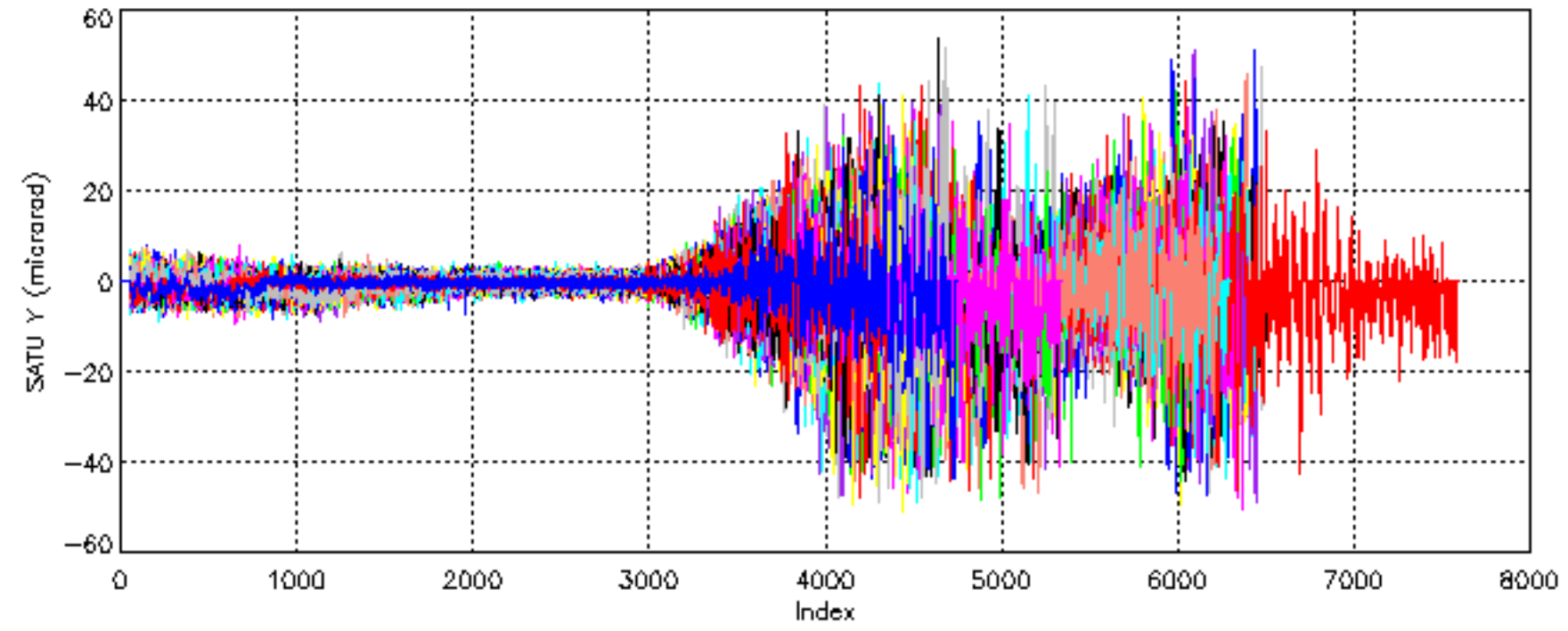


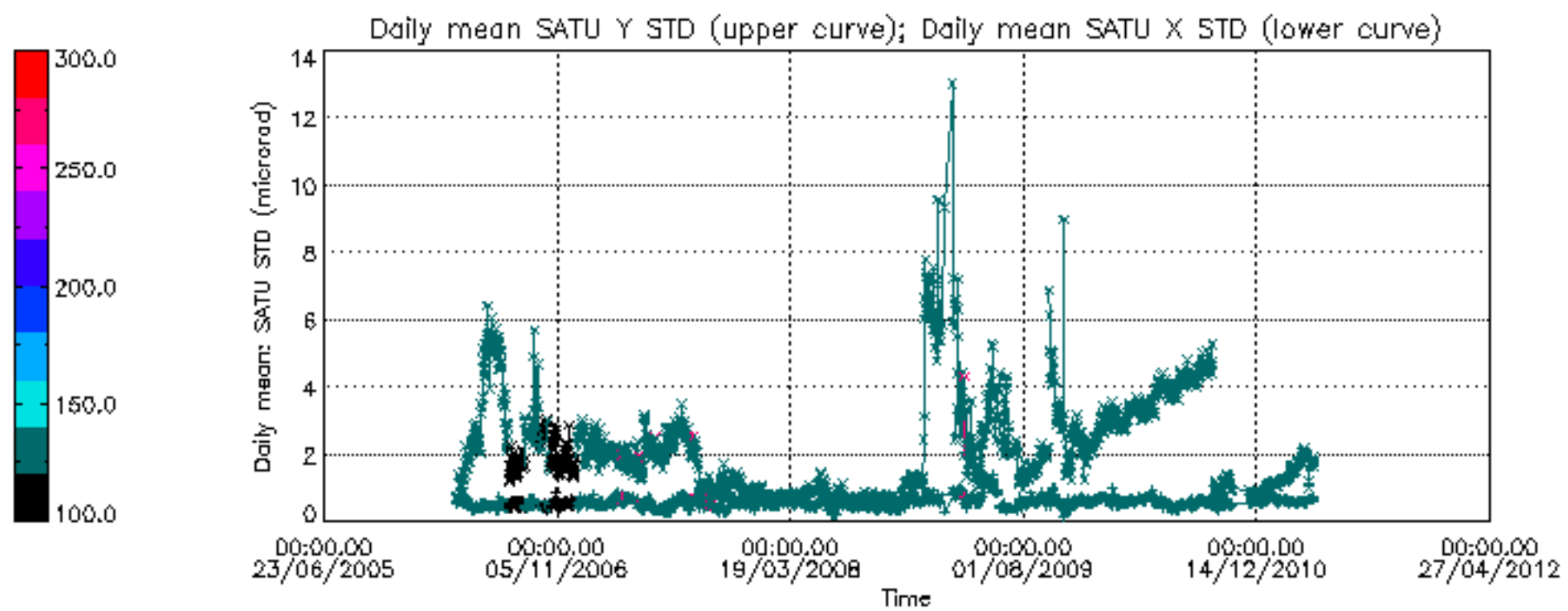
Tangent altitude at which the star is lost











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 33; 7689.7; 01-APR-2011 03:46:33; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;47504  
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 38; 8953.2; 01-APR-2011 04:07:36; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;47504  
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9; 3305.8; 03-APR-2011 14:41:52; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;47539  
10; 3459.6; 03-APR-2011 14:44:26; Bright; 47.5; 119; 14Eta Dra ; 2.73; 4700;occ; 95; 0;47539  
11; 3879.4; 03-APR-2011 14:51:26; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;47539  
12; 4170.0; 03-APR-2011 14:56:16; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;47539  
13; 4290.5; 03-APR-2011 14:58:17; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;47539  
14; 4416.7; 03-APR-2011 15:00:23; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;47539  
15; 5738.8; 03-APR-2011 15:22:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47539  
16; 5923.1; 03-APR-2011 15:25:30; Dark ; 60.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 120; 0;47539  
17; 6133.5; 03-APR-2011 15:29:00; Dark ; 56.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 113; 0;47540  
18; 6386.3; 03-APR-2011 15:33:13; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;47540  
19; 6871.7; 03-APR-2011 15:41:18; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;47540  
20; 6967.7; 03-APR-2011 15:42:54; Dark ; 49.5; 81; Eta Cen ; 2.36; 28000;occ; 99; 0;47540  
21; 7126.1; 03-APR-2011 15:45:33; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;47540

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2; 972.1; 05-APR-2011 21:10:40; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;47572  
3; 1127.2; 05-APR-2011 21:13:15; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;47572  
4; 1464.4; 05-APR-2011 21:18:53; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;47572  
5; 1589.2; 05-APR-2011 21:20:57; Dark ; 40.5; 163; 7Del Crv ; 2.94; 11000;occ; 81; 0;47572  
6; 1675.7; 05-APR-2011 21:22:24; Dark ; 60.5; 15; 67Alp Vir ; 0.98; 28000;occ; 121; 0;47572  
7; 1864.2; 05-APR-2011 21:25:32; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;47572  
8; 2118.6; 05-APR-2011 21:29:47; Bright; 64.0; 138; 47Eps Vir ; 2.83; 4700;occ; 128; 0;47572  
9; 2622.7; 05-APR-2011 21:38:11; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;47572  
10; 2817.5; 05-APR-2011 21:41:26; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;47572  
11; 2912.1; 05-APR-2011 21:43:00; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;47572  
12; 3295.3; 05-APR-2011 21:49:23; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47572  
13; 3436.0; 05-APR-2011 21:51:44; Bright; 49.0; 119; 14Eta Dra ; 2.73; 4700;occ; 98; 0;47572  
14; 3876.5; 05-APR-2011 21:59:05; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;47572  
15; 4163.3; 05-APR-2011 22:03:51; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;47572  
16; 4289.1; 05-APR-2011 22:05:57; Bright; 52.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 104; 0;47572  
17; 4419.8; 05-APR-2011 22:08:08; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;47572  
18; 4826.6; 05-APR-2011 22:14:55; Dark ; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;47572  
19; 5109.3; 05-APR-2011 22:19:38; Dark ; 37.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 75; 0;47572

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4; 164.8; 05-APR-2011 22:37:27; Dark ; 60.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 121; 0;47573  
5; 417.3; 05-APR-2011 22:41:39; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;47573  
6; 876.8; 05-APR-2011 22:49:19; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;47573  
7; 972.6; 05-APR-2011 22:50:55; Dark ; 47.5; 81; Eta Cen ; 2.36; 28000;occ; 95; 0;47573



8; 1127.5; 05-APR-2011 22:53:30; Dark ; 48.0; 54; 5The Cen ; 2.06; 4500;occ; 96; 0;47573  
 9; 1464.6; 05-APR-2011 22:59:07; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;47573  
 10; 1589.2; 05-APR-2011 23:01:11; Dark ; 44.5; 163; 7Del Crv ; 2.94; 11000;occ; 89; 0;47573  
 11; 1675.6; 05-APR-2011 23:02:38; Dark ; 58.0; 15; 67Alp Vir ; 0.98; 28000;occ; 116; 0;47573  
 12; 1864.0; 05-APR-2011 23:05:46; Bright; 40.5; 121; 29Gam Vir ; 2.74; 7200;occ; 81; 0;47573  
 13; 2118.3; 05-APR-2011 23:10:00; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;47573  
 14; 2622.2; 05-APR-2011 23:18:24; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;47573  
 15; 2817.3; 05-APR-2011 23:21:39; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;47573  
 16; 2911.8; 05-APR-2011 23:23:14; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;47573  
 17; 3294.9; 05-APR-2011 23:29:37; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;47573  
 18; 3435.1; 05-APR-2011 23:31:57; Bright; 46.5; 119; 14Eta Dra ; 2.73; 4700;occ; 93; 0;47573  
 19; 3876.4; 05-APR-2011 23:39:18; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;47573  
 20; 4163.1; 05-APR-2011 23:44:05; Bright; 72.0; 144; 18Del Cyg ; 2.86; 11000;occ; 144; 0;47573  
 21; 4288.9; 05-APR-2011 23:46:11; Bright; 48.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 96; 0;47573  
 22; 4419.9; 05-APR-2011 23:48:22; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;47573  
 23; 4827.0; 05-APR-2011 23:55:09; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;47573  
 24; 5109.7; 05-APR-2011 23:59:52; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;47573

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1; 1146.5; 05-APR-2011 14:32:39; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 42;47568  
 2; 1463.9; 05-APR-2011 14:37:56; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;47568  
 3; 1588.8; 05-APR-2011 14:40:01; Dark ; 42.5; 163; 7Del Crv ; 2.94; 11000;occ; 85; 0;47568  
 4; 1675.8; 05-APR-2011 14:41:28; Dark ; 66.0; 15; 67Alp Vir ; 0.98; 28000;occ; 132; 0;47568  
 5; 1864.7; 05-APR-2011 14:44:37; Bright; 40.0; 121; 29Gam Vir ; 2.74; 7200;occ; 80; 0;47568  
 6; 2143.0; 05-APR-2011 14:49:15; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;47568  
 7; 2624.7; 05-APR-2011 14:57:17; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;47568  
 8; 2818.3; 05-APR-2011 15:00:30; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;47568  
 9; 2913.8; 05-APR-2011 15:02:06; Bright; 37.5; 32; 77Eps UMa ; 1.76; 11000;occ; 75; 0;47568  
 10; 3296.8; 05-APR-2011 15:08:29; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;47568  
 11; 3439.0; 05-APR-2011 15:10:51; Bright; 48.0; 119; 14Eta Dra ; 2.73; 4700;occ; 96; 0;47568  
 12; 3877.2; 05-APR-2011 15:18:09; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;47568  
 13; 4164.5; 05-APR-2011 15:22:57; Bright; 62.0; 144; 18Del Cyg ; 2.86; 11000;occ; 124; 0;47568  
 14; 4289.6; 05-APR-2011 15:25:02; Bright; 48.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 96; 0;47568  
 15; 4419.8; 05-APR-2011 15:27:12; Bright; 45.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 91; 0;47568  
 16; 4825.7; 05-APR-2011 15:33:58; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;47568  
 17; 5107.8; 05-APR-2011 15:38:40; Dark ; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;47568  
 18; 5765.1; 05-APR-2011 15:49:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47568  
 19; 5967.1; 05-APR-2011 15:52:59; Dark ; 27.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 54; 0;47568  
 20; 6173.4; 05-APR-2011 15:56:25; Dark ; 62.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 124; 0;47569  
 21; 6426.0; 05-APR-2011 16:00:38; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;47569  
 22; 6888.5; 05-APR-2011 16:08:21; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;47569  
 23; 6984.6; 05-APR-2011 16:09:57; Dark ; 47.5; 81; Eta Cen ; 2.36; 28000;occ; 95; 0;47569  
 24; 7140.0; 05-APR-2011 16:12:32; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;47569

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1; 1127.4; 05-APR-2011 16:12:34; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 3;47569  
 2; 1464.0; 05-APR-2011 16:18:10; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;47569  
 3; 1589.0; 05-APR-2011 16:20:15; Dark ; 38.0; 163; 7Del Crv ; 2.94; 11000;occ; 76; 0;47569  
 4; 1675.6; 05-APR-2011 16:21:42; Dark ; 66.0; 15; 67Alp Vir ; 0.98; 28000;occ; 132; 0;47569  
 5; 1864.6; 05-APR-2011 16:24:51; Bright; 40.5; 121; 29Gam Vir ; 2.74; 7200;occ; 81; 0;47569  
 6; 2142.8; 05-APR-2011 16:29:29; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;47569  
 7; 2624.1; 05-APR-2011 16:37:30; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;47569  
 8; 2818.1; 05-APR-2011 16:40:44; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;47569  
 9; 2913.3; 05-APR-2011 16:42:19; Bright; 39.0; 32; 77Eps UMa ; 1.76; 11000;occ; 78; 0;47569  
 10; 3296.4; 05-APR-2011 16:48:42; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;47569  
 11; 3438.1; 05-APR-2011 16:51:04; Bright; 50.0; 119; 14Eta Dra ; 2.73; 4700;occ; 100; 0;47569  
 12; 3877.1; 05-APR-2011 16:58:23; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;47569  
 13; 4164.1; 05-APR-2011 17:03:10; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;47569  
 14; 4289.3; 05-APR-2011 17:05:15; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;47569  
 15; 4419.8; 05-APR-2011 17:07:26; Bright; 45.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 91; 0;47569  
 16; 4825.9; 05-APR-2011 17:14:12; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;47569  
 17; 5108.2; 05-APR-2011 17:18:54; Dark ; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;47569  
 18; 5766.1; 05-APR-2011 17:29:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47569  
 19; 5968.6; 05-APR-2011 17:33:15; Dark ; 27.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 54; 0;47569  
 20; 6174.8; 05-APR-2011 17:36:41; Dark ; 57.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 115; 0;47570  
 21; 6427.3; 05-APR-2011 17:40:53; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;47570  
 22; 6889.0; 05-APR-2011 17:48:35; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;47570  
 23; 6985.2; 05-APR-2011 17:50:11; Dark ; 42.0; 81; Eta Cen ; 2.36; 28000;occ; 84; 0;47570

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3; 1464.1; 05-APR-2011 17:58:24; Dark ; 44.5; 106; 9Bet Crv ; 2.65; 5600;occ; 89; 0;47570  
4; 1589.0; 05-APR-2011 18:00:29; Dark ; 44.5; 163; 7Del Crv ; 2.94; 11000;occ; 89; 0;47570  
5; 1675.6; 05-APR-2011 18:01:56; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;47570  
6; 1864.3; 05-APR-2011 18:05:04; Bright; 41.0; 121; 29Gam Vir ; 2.74; 7200;occ; 82; 0;47570  
7; 2119.4; 05-APR-2011 18:09:20; Bright; 44.5; 138; 47Eps Vir ; 2.83; 4700;occ; 89; 0;47570  
8; 2623.7; 05-APR-2011 18:17:44; Bright; 45.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 90; 0;47570  
9; 2817.9; 05-APR-2011 18:20:58; Bright; 42.5; 87; 64Gam UMa ; 2.43; 11000;occ; 85; 0;47570  
10; 2912.9; 05-APR-2011 18:22:33; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;47570  
11; 3296.1; 05-APR-2011 18:28:56; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47570  
12; 3437.4; 05-APR-2011 18:31:18; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;47570  
13; 3876.7; 05-APR-2011 18:38:37; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;47570  
14; 4163.8; 05-APR-2011 18:43:24; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;47570  
15; 4289.2; 05-APR-2011 18:45:29; Bright; 47.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 95; 0;47570  
16; 4419.8; 05-APR-2011 18:47:40; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;47570  
17; 4826.2; 05-APR-2011 18:54:26; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;47570  
18; 5108.5; 05-APR-2011 18:59:09; Dark ; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;47570  
19; 5767.0; 05-APR-2011 19:10:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47570  
20; 5959.2; 05-APR-2011 19:13:19; Dark ; 55.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 111; 0;47570  
21; 6176.2; 05-APR-2011 19:16:56; Dark ; 58.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 117; 0;47571  
22; 6428.6; 05-APR-2011 19:21:09; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;47571

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3; 1126.7; 05-APR-2011 19:33:01; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;47571  
4; 1464.2; 05-APR-2011 19:38:38; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;47571  
5; 1589.0; 05-APR-2011 19:40:43; Dark ; 43.0; 163; 7Del Crv ; 2.94; 11000;occ; 86; 0;47571  
6; 1675.7; 05-APR-2011 19:42:10; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;47571  
7; 1864.4; 05-APR-2011 19:45:19; Bright; 42.0; 121; 29Gam Vir ; 2.74; 7200;occ; 84; 0;47571  
8; 2119.0; 05-APR-2011 19:49:33; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;47571  
9; 2623.2; 05-APR-2011 19:57:57; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;47571  
10; 2817.8; 05-APR-2011 20:01:12; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;47571  
11; 2912.6; 05-APR-2011 20:02:47; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;47571  
12; 3295.6; 05-APR-2011 20:09:10; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;47571  
13; 3436.6; 05-APR-2011 20:11:31; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;47571  
14; 3876.6; 05-APR-2011 20:18:51; Bright; 35.0; 89; 5Alp Cep ; 2.45; 8000;occ; 70; 0;47571  
15; 4163.6; 05-APR-2011 20:23:38; Bright; 49.5; 144; 18Del Cyg ; 2.86; 11000;occ; 99; 0;47571  
16; 4289.2; 05-APR-2011 20:25:43; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;47571  
17; 4419.8; 05-APR-2011 20:27:54; Bright; 46.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 93; 0;47571  
18; 4826.5; 05-APR-2011 20:34:41; Dark ; 50.5; 61; 8Eps Peg ; 2.10; 3900;occ; 101; 0;47571  
19; 5109.0; 05-APR-2011 20:39:23; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;47571  
20; 5767.8; 05-APR-2011 20:50:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47571  
21; 5960.4; 05-APR-2011 20:53:35; Dark ; 54.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 109; 0;47571  
22; 6177.5; 05-APR-2011 20:57:12; Dark ; 57.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 115; 0;47572  
23; 6429.8; 05-APR-2011 21:01:24; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;47572

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 31; 7481.6; 07-APR-2011 03:23:07; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;47590



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 34; 7877.4; 07-APR-2011 03:29:43; Bright; 40.5; 121; 29Gam Vir ; 2.74; 7200;occ; 81; 0;47590  
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 38; 8919.7; 07-APR-2011 03:47:05; Bright; 58.0; 32; 77Eps UMa ; 1.76; 11000;occ; 116; 0;47590  
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 40; 9437.1; 07-APR-2011 03:55:43; Bright; 49.0; 119; 14Eta Dra ; 2.73; 4700;occ; 98; 0;47590

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 22; 7605.6; 07-APR-2011 03:25:11; Dark ; 43.5; 163; 7Del Crv ; 2.94; 11000;occ; 87; 0;47590  
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 8; 3874.1; 07-APR-2011 10:44:10; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;47594  
 9; 4158.4; 07-APR-2011 10:48:54; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;47594  
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 13; 5119.2; 07-APR-2011 11:04:55; Dark ; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;47594  
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 9; 3874.1; 07-APR-2011 12:24:24; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;47595  
 10; 4158.1; 07-APR-2011 12:29:08; Bright; 51.0; 144; 18Del Cyg ; 2.86; 11000;occ; 102; 0;47595  
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4; 458.1; 08-APR-2011 00:49:20; Dark ; 58.5; 25; 35Lam Sco ; 1.62; 28000;occ; 117; 0;47603  
5; 892.9; 08-APR-2011 00:56:34; Dark ; 45.0; 78; Alp Lup ; 2.30; 28000;occ; 90; 0;47603  
6; 988.9; 08-APR-2011 00:58:10; Dark ; 45.0; 81; Eta Cen ; 2.36; 28000;occ; 90; 0;47603  
7; 1140.8; 08-APR-2011 01:00:42; Dark ; 49.0; 54; 5The Cen ; 2.06; 4500;occ; 98; 0;47603  
8; 1442.7; 08-APR-2011 01:05:44; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;47603  
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7; 989.5; 08-APR-2011 02:38:25; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;47604  
8; 1141.3; 08-APR-2011 02:40:57; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;47604  
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15; 2812.8; 08-APR-2011 03:08:48; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;47604  
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6; 2871.4; 15-APR-2011 08:54:02; Bright; 39.0; 32; 77Eps UMa ; 1.76; 11000;occ; 78; 0;47708
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9; 3858.6; 15-APR-2011 09:10:30; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;47708
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11; 4278.7; 15-APR-2011 09:17:30; Bright; 55.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 110; 0;47708
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16;	5327.9;	15-APR-2011	16:15:55;	Dark	;	46.5;	142;	49Del Cap	;	2.85;	8900;occ;	93;	0;	47712
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19;	6384.3;	15-APR-2011	16:33:31;	Dark	;	61.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	123;	0;	47713
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21;	6617.6;	15-APR-2011	16:37:24;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;	47713
22;	6851.9;	15-APR-2011	16:41:19;	Dark	;	64.5;	75;	26Eps Sco	;	2.29;	4250;occ;	129;	0;	47713
23;	7056.5;	15-APR-2011	16:44:43;	Dark	;	45.0;	81;	Eta Cen	;	2.36;	28000;occ;	90;	0;	47713
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9;	4272.2;	18-APR-2011	15:48:21;	Bright;	;	57.5;	66;	37Gam Cyg	;	2.21;	5900;occ;	115;	0;	47755
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11;	4899.1;	18-APR-2011	15:58:48;	Dark	;	51.0;	61;	8Eps Peg	;	2.10;	3900;occ;	102;	0;	47755
12;	5047.0;	18-APR-2011	16:01:16;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47755
13;	5214.8;	18-APR-2011	16:04:03;	Dark	;	51.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	102;	0;	47755
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15;	5966.9;	18-APR-2011	16:16:36;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47755
16;	6243.7;	18-APR-2011	16:21:12;	Dark	;	66.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	132;	0;	47756
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21;	7021.8;	18-APR-2011	16:34:10;	Dark	;	42.5;	109;	Bet Lup	;	2.68;	26000;occ;	85;	0;	47756
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5; 3296.6; 19-APR-2011 09:54:39; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;47766
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5; 2234.2; 25-APR-2011 15:57:56; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;47856
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8; 2773.1; 25-APR-2011 16:06:55; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;47856
9; 3235.9; 25-APR-2011 16:14:38; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;47856
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17; 7022.4; 28-APR-2011 10:26:50; Dark ; 61.5; 75; 26Eps Sco ; 2.29; 4250;occ; 123; 0;47896
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