

# GOMOS Daily Report 18-FEB-2010

## Level 0 and Level 1 products

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## [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	21FEB2010 04:37:04
Data source version	GOMOS/5.00L04
Start time of products	18FEB2010 00:00:33
Stop time of products	18FEB2010 23:57:36
Store outputs in DB	Yes
Nb of level 1b prods	73
Nb of prods with errors	1

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

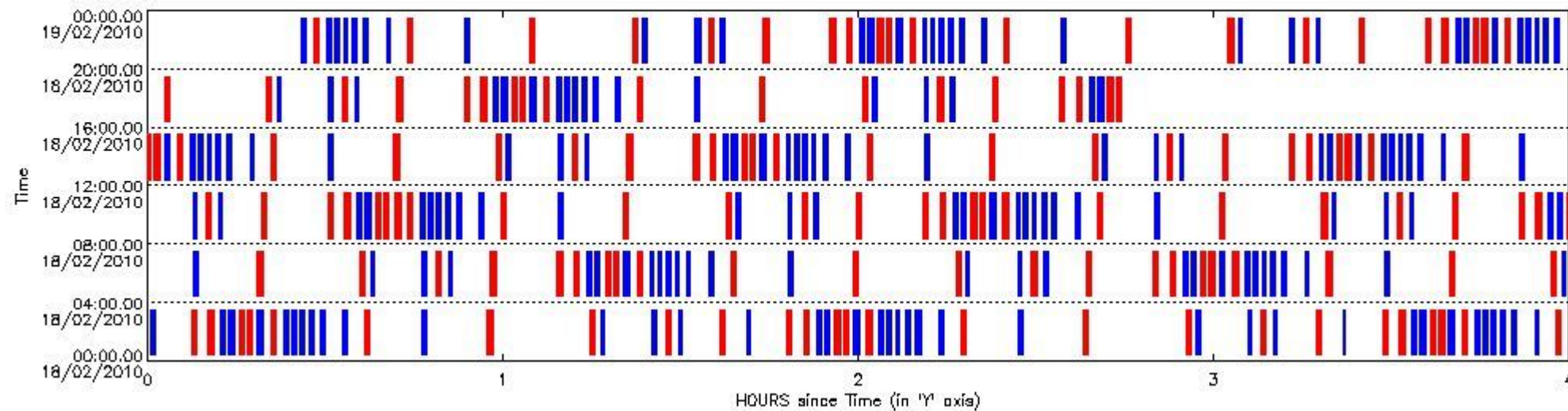
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
18-FEB-2010 00:07:18	34SigSgr	57	41667
18-FEB-2010 00:10:08	20EpsSgr	38	41667
18-FEB-2010 00:15:21	AlpAra	147	41667
18-FEB-2010 00:16:46	BetAra	141	41667
18-FEB-2010 00:20:43	BetTrA	134	41668
18-FEB-2010 00:36:37	LamVel	65	41668
18-FEB-2010 00:57:18	78BetGem	17	41668
18-FEB-2010 01:14:37	1AlpUMi	49	41668
18-FEB-2010 01:27:23	18DelCyg	144	41668
18-FEB-2010 01:36:39	17ZetAql	168	41668
18-FEB-2010 01:47:54	34SigSgr	57	41668
18-FEB-2010 01:50:44	20EpsSgr	38	41668
18-FEB-2010 01:55:58	AlpAra	147	41668
18-FEB-2010 01:57:23	BetAra	141	41668
18-FEB-2010 02:01:19	BetTrA	134	41669

18-FEB-2010 02:17:13	LamVel	65	41669
18-FEB-2010 02:37:54	78BetGem	17	41669
18-FEB-2010 02:55:13	1AlpUMi	49	41669
18-FEB-2010 03:08:00	18DelCyg	144	41669
18-FEB-2010 03:17:15	17ZetAql	168	41669
18-FEB-2010 03:28:31	34SigSgr	57	41669
18-FEB-2010 03:31:20	20EpsSgr	38	41669
18-FEB-2010 03:36:34	AlpAra	147	41669
18-FEB-2010 03:37:59	BetAra	141	41669
18-FEB-2010 03:41:56	BetTrA	134	41670
18-FEB-2010 03:57:50	LamVel	65	41670
18-FEB-2010 04:18:30	78BetGem	17	41670
18-FEB-2010 04:35:49	1AlpUMi	49	41670
18-FEB-2010 04:48:36	18DelCyg	144	41670
18-FEB-2010 04:57:51	17ZetAql	168	41670
18-FEB-2010 05:09:07	34SigSgr	57	41670
18-FEB-2010 05:11:57	20EpsSgr	38	41670
18-FEB-2010 05:17:10	AlpAra	147	41670
18-FEB-2010 05:18:35	BetAra	141	41670
18-FEB-2010 05:22:32	BetTrA	134	41671
18-FEB-2010 05:38:26	LamVel	65	41671
18-FEB-2010 05:59:06	78BetGem	17	41671
18-FEB-2010 06:16:25	1AlpUMi	49	41671
18-FEB-2010 06:29:12	18DelCyg	144	41671
18-FEB-2010 06:38:27	17ZetAql	168	41671
18-FEB-2010 06:49:43	34SigSgr	57	41671
18-FEB-2010 06:52:33	20EpsSgr	38	41671
18-FEB-2010 06:57:47	AlpAra	147	41671
18-FEB-2010 06:59:12	BetAra	141	41671
18-FEB-2010 07:03:09	BetTrA	134	41672
18-FEB-2010 07:19:02	LamVel	65	41672
18-FEB-2010 07:39:42	78BetGem	17	41672
18-FEB-2010 07:57:01	1AlpUMi	49	41672
18-FEB-2010 08:09:48	18DelCyg	144	41672
18-FEB-2010 08:19:03	17ZetAql	168	41672
18-FEB-2010 08:30:19	34SigSgr	57	41672
18-FEB-2010 08:33:09	20EpsSgr	38	41672
18-FEB-2010 08:38:23	AlpAra	147	41672
18-FEB-2010 08:39:48	BetAra	141	41672
18-FEB-2010 08:41:39	DSA1025	0	41673
18-FEB-2010 08:43:45	BetTrA	134	41673
18-FEB-2010 08:59:38	LamVel	65	41673
18-FEB-2010 09:20:18	78BetGem	17	41673
18-FEB-2010 09:37:37	1AlpUMi	49	41673
18-FEB-2010 09:50:24	18DelCyg	144	41673
18-FEB-2010 09:59:40	17ZetAql	168	41673
18-FEB-2010 10:10:56	34SigSgr	57	41673
18-FEB-2010 10:13:46	20EpsSgr	38	41673
18-FEB-2010 10:19:00	AlpAra	147	41673
18-FEB-2010 10:20:24	BetAra	141	41673
18-FEB-2010 10:24:21	BetTrA	134	41674
18-FEB-2010 10:40:14	LamVel	65	41674
18-FEB-2010 11:00:54	78BetGem	17	41674
18-FEB-2010 11:18:13	1AlpUMi	49	41674
18-FEB-2010 11:31:00	18DelCyg	144	41674
18-FEB-2010 11:40:16	17ZetAql	168	41674
18-FEB-2010 11:51:32	34SigSgr	57	41674
18-FEB-2010 11:54:22	20EpsSgr	38	41674
18-FEB-2010 11:59:36	AlpAra	147	41674

18-FEB-2010 12:01:01	BetAra	141	41674
18-FEB-2010 12:04:58	BetTrA	134	41675
18-FEB-2010 12:20:50	LamVel	65	41675
18-FEB-2010 12:41:30	78BetGem	17	41675
18-FEB-2010 12:58:49	1AlpUMi	49	41675
18-FEB-2010 13:11:36	18DelCyg	144	41675
18-FEB-2010 13:20:52	17ZetAql	168	41675
18-FEB-2010 13:32:08	34SigSgr	57	41675
18-FEB-2010 13:34:59	20EpsSgr	38	41675
18-FEB-2010 13:40:13	AlpAra	147	41675
18-FEB-2010 13:41:37	BetAra	141	41675
18-FEB-2010 13:45:34	BetTrA	134	41676
18-FEB-2010 14:01:26	LamVel	65	41676
18-FEB-2010 14:22:06	78BetGem	17	41676
18-FEB-2010 14:39:25	1AlpUMi	49	41676
18-FEB-2010 14:52:12	18DelCyg	144	41676
18-FEB-2010 15:01:28	17ZetAql	168	41676
18-FEB-2010 15:12:44	34SigSgr	57	41676
18-FEB-2010 15:15:35	20EpsSgr	38	41676
18-FEB-2010 15:20:49	AlpAra	147	41676
18-FEB-2010 15:22:14	BetAra	141	41676
18-FEB-2010 15:26:11	BetTrA	134	41677
18-FEB-2010 15:42:03	LamVel	65	41677
18-FEB-2010 16:02:42	78BetGem	17	41677
18-FEB-2010 16:20:01	1AlpUMi	49	41677
18-FEB-2010 16:32:48	18DelCyg	144	41677
18-FEB-2010 16:42:04	17ZetAql	168	41677
18-FEB-2010 16:53:21	34SigSgr	57	41677
18-FEB-2010 16:56:11	20EpsSgr	38	41677
18-FEB-2010 17:01:25	AlpAra	147	41677
18-FEB-2010 17:02:50	BetAra	141	41677
18-FEB-2010 17:06:47	BetTrA	134	41678
18-FEB-2010 17:22:39	LamVel	65	41678
18-FEB-2010 17:43:19	78BetGem	17	41678
18-FEB-2010 18:00:37	1AlpUMi	49	41678
18-FEB-2010 18:13:24	18DelCyg	144	41678
18-FEB-2010 18:22:40	17ZetAql	168	41678
18-FEB-2010 18:33:57	34SigSgr	57	41678
18-FEB-2010 18:36:48	20EpsSgr	38	41678
18-FEB-2010 18:42:02	AlpAra	147	41678
18-FEB-2010 18:43:26	BetAra	141	41678
18-FEB-2010 20:28:00	BetTrA	134	41680
18-FEB-2010 20:43:51	LamVel	65	41680
18-FEB-2010 21:04:31	78BetGem	17	41680
18-FEB-2010 21:21:49	1AlpUMi	49	41680
18-FEB-2010 21:34:36	18DelCyg	144	41680
18-FEB-2010 21:43:53	17ZetAql	168	41680
18-FEB-2010 21:55:09	34SigSgr	57	41680
18-FEB-2010 21:58:00	20EpsSgr	38	41680
18-FEB-2010 22:03:15	AlpAra	147	41680
18-FEB-2010 22:04:39	BetAra	141	41680
18-FEB-2010 22:08:36	BetTrA	134	41681
18-FEB-2010 22:24:27	LamVel	65	41681
18-FEB-2010 22:45:18	78BetGem	17	41681
18-FEB-2010 23:02:25	1AlpUMi	49	41681
18-FEB-2010 23:15:12	18DelCyg	144	41681
18-FEB-2010 23:24:29	17ZetAql	168	41681
18-FEB-2010 23:35:46	34SigSgr	57	41681
18-FEB-2010 23:38:37	20EpsSgr	38	41681

18-FEB-2010 23:43:51	AlpAra	147	41681
18-FEB-2010 23:45:15	BetAra	141	41681
18-FEB-2010 23:49:13	BetTra	134	41682

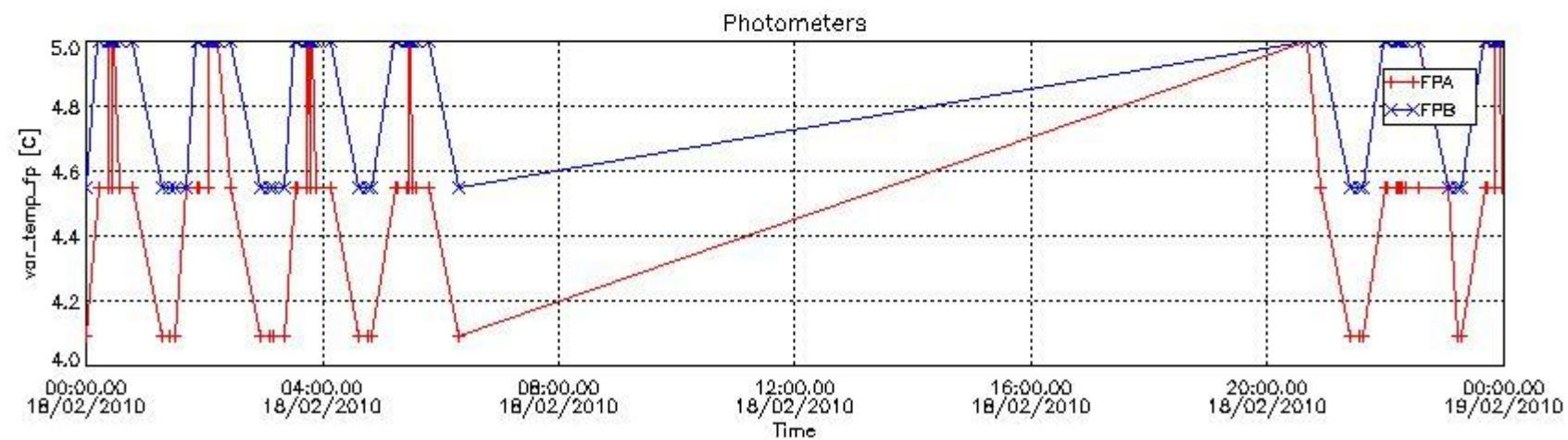
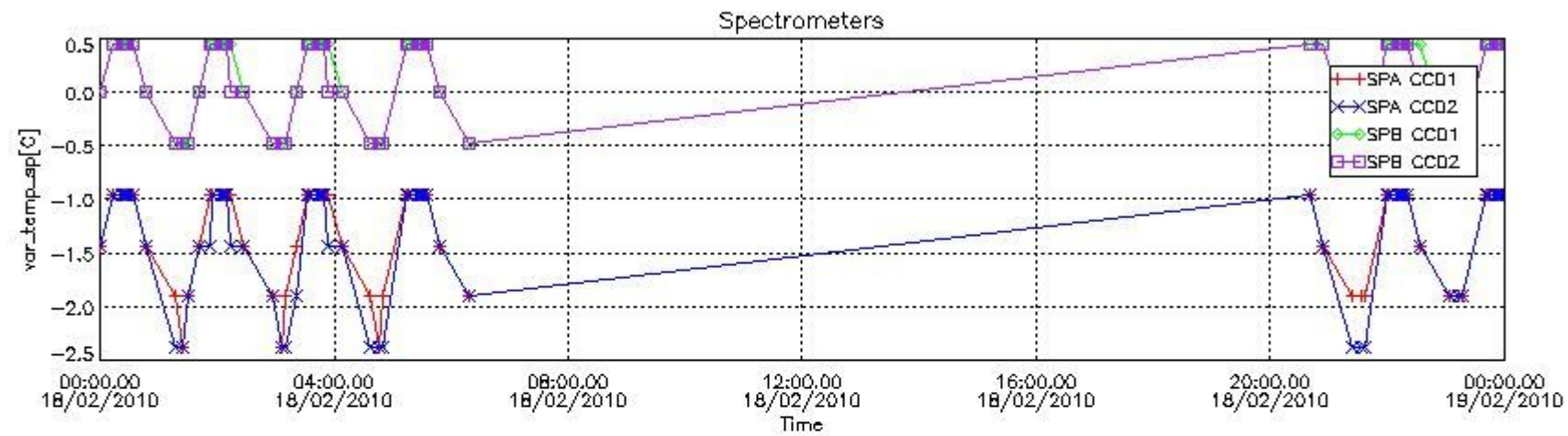
## 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100218_000033_000000402087_00030_41667_9812.N1	18-FEB-2010 00:00:33	Twi_and_stray	39.500	126	60Bet Oph	2.7700	4250.0	79	41667	No
2	GOM_TRA_1PNPDE20100218_001216_000000422087_00030_41667_9819.N1	18-FEB-2010 00:12:16	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	41667	No
3	GOM_TRA_1PNPDE20100218_001337_000000592087_00030_41667_9820.N1	18-FEB-2010 00:13:37	Dark	58.500	75	26Eps Sco	2.2910	4250.0	117	41667	No
4	GOM_TRA_1PNPDE20100218_002254_000000502087_00031_41668_9821.N1	18-FEB-2010 00:22:54	Dark	49.500	4	Alp1Cen	-0.010000	5800.0	99	41668	No
5	GOM_TRA_1PNPDE20100218_002414_000000512087_00031_41668_9822.N1	18-FEB-2010 00:24:14	Dark	50.500	10	Bet Cen	0.61000	28000.	101	41668	No
6	GOM_TRA_1PNPDE20100218_002540_000000472087_00031_41668_9823.N1	18-FEB-2010 00:25:40	Dark	46.500	77	Eps Cen	2.3030	28000.	93	41668	No
7	GOM_TRA_1PNPDE20100218_002713_000000522087_00031_41668_9824.N1	18-FEB-2010 00:27:13	Dark	51.500	12	Alp1Cru	0.77500	30000.	103	41668	No
8	GOM_TRA_1PNPDE20100218_002902_000000482087_00031_41668_9825.N1	18-FEB-2010 00:29:02	Dark	47.500	64	Gam Cen	2.2000	10600.	95	41668	No
9	GOM_TRA_1PNPDE20100218_003257_000000442087_00031_41668_9826.N1	18-FEB-2010 00:32:57	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	41668	No
10	GOM_TRA_1PNPDE20100218_004619_000000502087_00031_41668_9827.N1	18-FEB-2010 00:46:19	Straylight	50.000	48	30Alp Hya	1.9770	4100.0	100	41668	No
11	GOM_TRA_1PNPDE20100218_011623_000000412087_00031_41668_9828.N1	18-FEB-2010 01:16:23	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41668	No
12	GOM_TRA_1PNPDE20100218_012508_000000412087_00031_41668_9829.N1	18-FEB-2010 01:25:08	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	41668	No
13	GOM_TRA_1PNPDE20100218_012930_000000382087_00031_41668_9830.N1	18-FEB-2010 01:29:30	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	41668	No
14	GOM_TRA_1PNPDE20100218_014109_000000302087_00031_41668_9831.N1	18-FEB-2010 01:41:09	Twi_and_stray	29.500	126	60Bet Oph	2.7700	4250.0	59	41668	No
15	GOM_TRA_1PNPDE20100218_015252_000000452087_00031_41668_9839.N1	18-FEB-2010 01:52:52	Dark	45.000	25	35Lam Sco	1.6200	28000.	90	41668	No
16	GOM_TRA_1PNPDE20100218_015414_000000472087_00031_41668_9840.N1	18-FEB-2010 01:54:14	Dark	47.000	75	26Eps Sco	2.2910	4250.0	94	41668	No
17	GOM_TRA_1PNPDE20100218_020331_000000422087_00032_41669_9841.N1	18-FEB-2010 02:03:31	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41669	No
18	GOM_TRA_1PNPDE20100218_020450_000000442087_00032_41669_9842.N1	18-FEB-2010 02:04:50	Dark	44.000	10	Bet Cen	0.61000	28000.	88	41669	No
19	GOM_TRA_1PNPDE20100218_020617_000000412087_00032_41669_9843.N1	18-FEB-2010 02:06:17	Dark	41.000	77	Eps Cen	2.3030	28000.	82	41669	No
20	GOM_TRA_1PNPDE20100218_020750_000000502087_00032_41669_9844.N1	18-FEB-2010 02:07:50	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	41669	No
21	GOM_TRA_1PNPDE20100218_020939_000000512087_00032_41669_9845.N1	18-FEB-2010 02:09:39	Dark	50.500	64	Gam Cen	2.2000	10600.	101	41669	No
22	GOM_TRA_1PNPDE20100218_021333_000000432087_00032_41669_9846.N1	18-FEB-2010 02:13:33	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	41669	No
23	GOM_TRA_1PNPDE20100218_022655_000000482087_00032_41669_9847.N1	18-FEB-2010 02:26:55	Straylight	48.000	48	30Alp Hya	1.9770	4100.0	96	41669	No
24	GOM_TRA_1PNPDE20100218_025659_000000432087_00032_41669_9872.N1	18-FEB-2010 02:56:59	Bright	43.000	60	7Bet UMi	2.0810	3950.0	86	41669	No
25	GOM_TRA_1PNPDE20100218_030544_000000442087_00032_41669_9873.N1	18-FEB-2010 03:05:44	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	41669	No
26	GOM_TRA_1PNPDE20100218_031006_000000372087_00032_41669_9874.N1	18-FEB-2010 03:10:06	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	41669	No
27	GOM_TRA_1PNPDE20100218_032146_000000302087_00032_41669_9875.N1	18-FEB-2010 03:21:46	Twi_and_stray	30.000	126	60Bet Oph	2.7700	4250.0	60	41669	No
28	GOM_TRA_1PNPDE20100218_033329_000000502087_00032_41669_9876.N1	18-FEB-2010 03:33:29	Dark	50.000	25	35Lam Sco	1.6200	28000.	100	41669	No
29	GOM_TRA_1PNPDE20100218_033450_000000572087_00032_41669_9877.N1	18-FEB-2010 03:34:50	Dark	57.000	75	26Eps Sco	2.2910	4250.0	114	41669	No
30	GOM_TRA_1PNPDE20100218_034407_000000432087_00033_41670_9878.N1	18-FEB-2010 03:44:07	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	41670	No
31	GOM_TRA_1PNPDE20100218_034527_000000432087_00033_41670_9879.N1	18-FEB-2010 03:45:27	Dark	43.000	10	Bet Cen	0.61000	28000.	86	41670	No
32	GOM_TRA_1PNPDE20100218_034654_000000442087_00033_41670_9880.N1	18-FEB-2010 03:46:54	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41670	No
33	GOM_TRA_1PNPDE20100218_034826_000000402087_00033_41670_9881.N1	18-FEB-2010 03:48:26	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	41670	No
34	GOM_TRA_1PNPDE20100218_035016_000000452087_00033_41670_9882.N1	18-FEB-2010 03:50:16	Dark	44.500	64	Gam Cen	2.2000	10600.	89	41670	No
35	GOM_TRA_1PNPDE20100218_035410_000000442087_00033_41670_9883.N1	18-FEB-2010 03:54:10	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	41670	No
36	GOM_TRA_1PNPDE20100218_040731_000000492087_00033_41670_9884.N1	18-FEB-2010 04:07:31	Twi_and_stray	49.000	48	30Alp Hya	1.9770	4100.0	98	41670	No
37	GOM_TRA_1PNPDE20100218_043734_000000372087_00033_41670_9885.N1	18-FEB-2010 04:37:34	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41670	No
38	GOM_TRA_1PNPDE20100218_044619_000000432087_00033_41670_9890.N1	18-FEB-2010 04:46:19	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	41670	No
39	GOM_TRA_1PNPDE20100218_045042_000000392087_00033_41670_9891.N1	18-FEB-2010 04:50:42	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	41670	No
40	GOM_TRA_1PNPDE20100218_051406_000000452087_00033_41670_9892.N1	18-FEB-2010 05:14:06	Dark	45.000	25	35Lam Sco	1.6200	28000.	90	41670	No
41	GOM_TRA_1PNPDE20100218_051528_000000492087_00033_41670_9893.N1	18-FEB-2010 05:15:28	Dark	49.000	75	26Eps Sco	2.2910	4250.0	98	41670	No
42	GOM_TRA_1PNPDE20100218_052444_000000422087_00034_41671_9894.N1	18-FEB-2010 05:24:44	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	41671	No
43	GOM_TRA_1PNPDE20100218_052604_000000432087_00034_41671_9895.N1	18-FEB-2010 05:26:04	Dark	42.500	10	Bet Cen	0.61000	28000.	85	41671	No
44	GOM_TRA_1PNPDE20100218_052731_000000452087_00034_41671_9896.N1	18-FEB-2010 05:27:31	Dark	45.000	77	Eps Cen	2.3030	28000.	90	41671	No
45	GOM_TRA_1PNPDE20100218_052903_000000402087_00034_41671_9897.N1	18-FEB-2010 05:29:03	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41671	No
46	GOM_TRA_1PNPDE20100218_053052_000000462087_00034_41671_9898.N1	18-FEB-2010 05:30:52	Dark	46.000	64	Gam Cen	2.2000	10600.	92	41671	No
47	GOM_TRA_1PNPDE20100218_053446_000000452087_00034_41671_9899.N1	18-FEB-2010 05:34:46	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	41671	No
48	GOM_TRA_1PNPDE20100218_054807_000000512087_00034_41671_9900.N1	18-FEB-2010 05:48:07	Twi_and_stray	50.500	48	30Alp Hya	1.9770	4100.0	101	41671	No
49	GOM_TRA_1PNPDE20100218_061810_000000372087_00034_41671_9901.N1	18-FEB-2010 06:18:10	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41671	No
50	GOM_TRA_1PNPDE20100218_204013_000000452087_00043_41680_9989.N1	18-FEB-2010 20:40:13	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	41680	Yes
51	GOM_TRA_1PNPDE20100218_205331_000000472087_00043_41680_9990.N1	18-FEB-2010 20:53:31	Twi_and_stray	46.500	48	30Alp Hya	1.9770	4100.0	93	41680	No



52	GOM_TRA_1PNPDE20100218_212331_000000402087_00043_41680_9991.N1	18-FEB-2010 21:23:31	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41680	No
53	GOM_TRA_1PNPDE20100218_213217_000000612087_00043_41680_9992.N1	18-FEB-2010 21:32:17	Bright	60.500	130	23Bet Dra	2.7990	5800.0	121	41680	No
54	GOM_TRA_1PNPDE20100218_213642_000000372087_00043_41680_9993.N1	18-FEB-2010 21:36:42	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	41680	No
55	GOM_TRA_1PNPDE20100218_220011_000000432087_00043_41680_0008.N1	18-FEB-2010 22:00:11	Dark	42.500	25	35Lam Sco	1.6200	28000.	85	41680	No
56	GOM_TRA_1PNPDE20100218_220136_000000592087_00043_41680_0009.N1	18-FEB-2010 22:01:36	Dark	59.000	75	26Eps Sco	2.2910	4250.0	118	41680	No
57	GOM_TRA_1PNPDE20100218_221049_000000442087_00044_41681_0010.N1	18-FEB-2010 22:10:49	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	41681	No
58	GOM_TRA_1PNPDE20100218_221209_000000422087_00044_41681_0011.N1	18-FEB-2010 22:12:09	Dark	42.000	10	Bet Cen	0.61000	28000.	84	41681	No
59	GOM_TRA_1PNPDE20100218_221337_000000452087_00044_41681_0012.N1	18-FEB-2010 22:13:37	Dark	45.000	77	Eps Cen	2.3030	28000.	90	41681	No
60	GOM_TRA_1PNPDE20100218_221506_000000492087_00044_41681_0013.N1	18-FEB-2010 22:15:06	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	41681	No
61	GOM_TRA_1PNPDE20100218_221659_000000512087_00044_41681_0014.N1	18-FEB-2010 22:16:59	Dark	50.500	64	Gam Cen	2.2000	10600.	101	41681	No
62	GOM_TRA_1PNPDE20100218_222049_000000452087_00044_41681_0015.N1	18-FEB-2010 22:20:49	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	41681	No
63	GOM_TRA_1PNPDE20100218_223407_000000492087_00044_41681_0016.N1	18-FEB-2010 22:34:07	Twilight	48.500	48	30Alp Hya	1.9770	4100.0	97	41681	No
64	GOM_TRA_1PNPDE20100218_230406_000000372087_00044_41681_0017.N1	18-FEB-2010 23:04:06	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	41681	No
65	GOM_TRA_1PNPDE20100218_231253_000000442087_00044_41681_0018.N1	18-FEB-2010 23:12:53	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	41681	No
66	GOM_TRA_1PNPDE20100218_231718_000000392087_00044_41681_0019.N1	18-FEB-2010 23:17:18	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	41681	No
67	GOM_TRA_1PNPDE20100218_234048_000000522087_00044_41681_0028.N1	18-FEB-2010 23:40:48	Dark	52.000	25	35Lam Sco	1.6200	28000.	104	41681	No
68	GOM_TRA_1PNPDE20100218_234212_000000572087_00044_41681_0029.N1	18-FEB-2010 23:42:12	Dark	57.000	75	26Eps Sco	2.2910	4250.0	114	41681	No
69	GOM_TRA_1PNPDE20100218_235126_000000432087_00045_41682_0030.N1	18-FEB-2010 23:51:26	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	41682	No
70	GOM_TRA_1PNPDE20100218_235245_000000452087_00045_41682_0031.N1	18-FEB-2010 23:52:45	Dark	45.000	10	Bet Cen	0.61000	28000.	90	41682	No
71	GOM_TRA_1PNPDE20100218_235414_000000432087_00045_41682_0032.N1	18-FEB-2010 23:54:14	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41682	No
72	GOM_TRA_1PNPDE20100218_235543_000000452087_00045_41682_0033.N1	18-FEB-2010 23:55:43	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41682	No
73	GOM_TRA_1PNPDE20100218_235736_000000442087_00045_41682_0034.N1	18-FEB-2010 23:57:36	Dark	43.500	64	Gam Cen	2.2000	10600.	87	41682	No

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



#### 4. Overview of dark signal processing per product

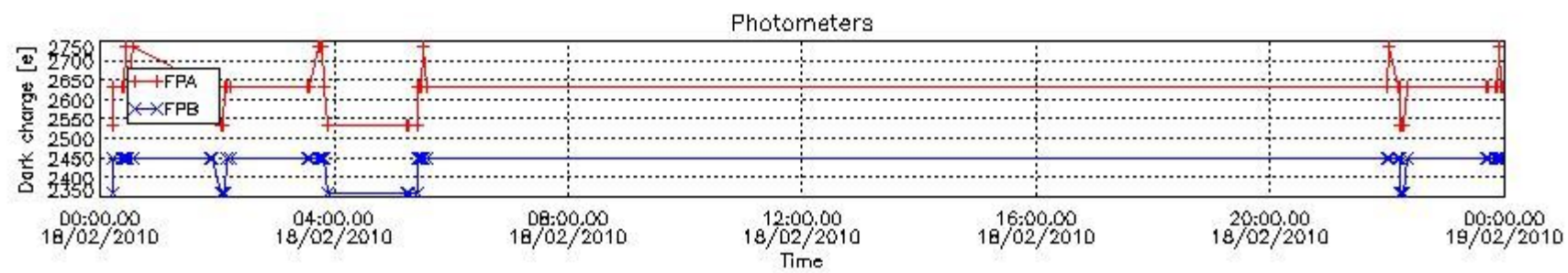
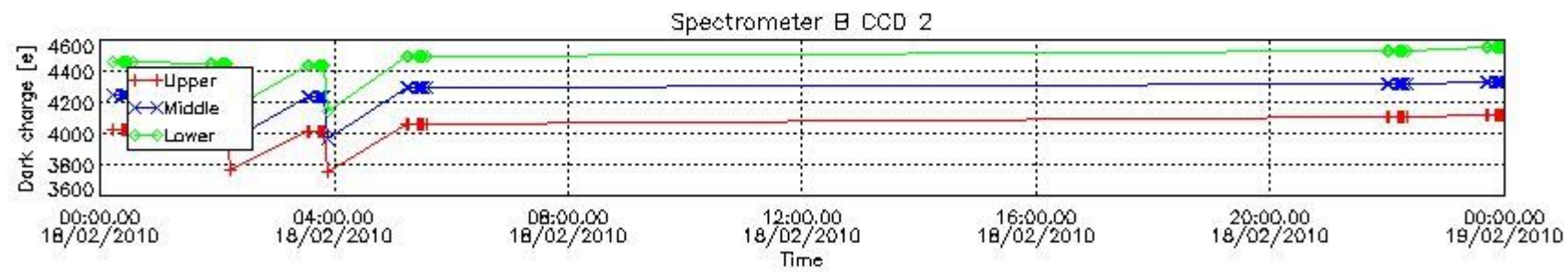
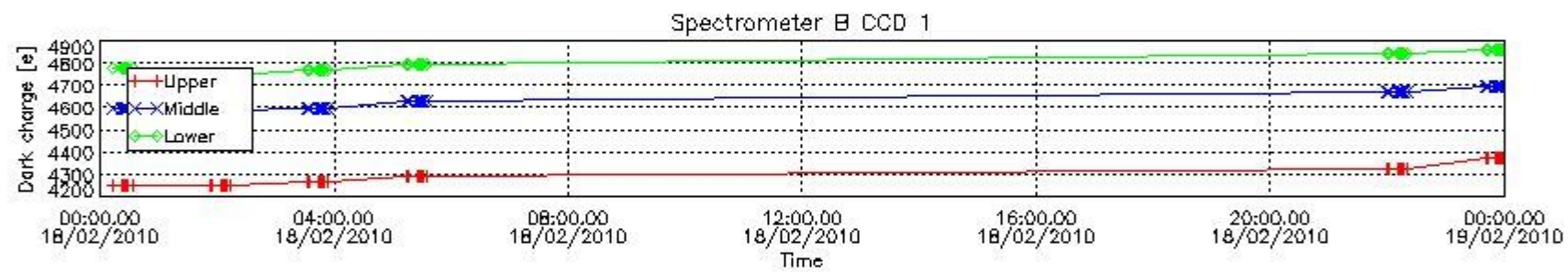
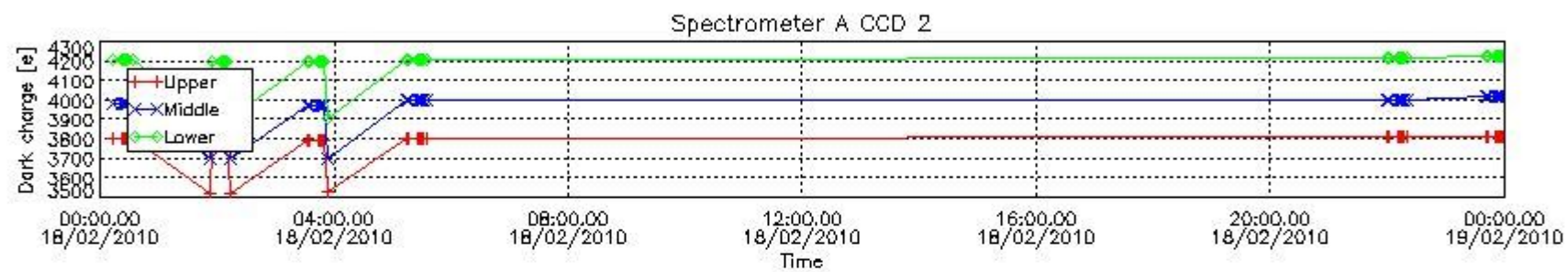
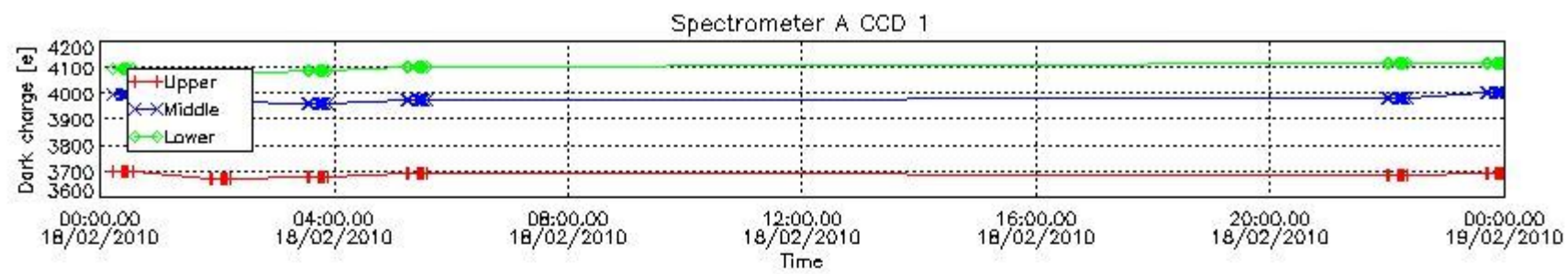
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100218_204013_000000452087_00043_41680_9989.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100218_205331_000000472087_00043_41680_9990.N1	DC map used
GOM_TRA_1PNPDE20100218_212331_000000402087_00043_41680_9991.N1	DC map used
GOM_TRA_1PNPDE20100218_213217_000000612087_00043_41680_9992.N1	DC map used
GOM_TRA_1PNPDE20100218_213642_000000372087_00043_41680_9993.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

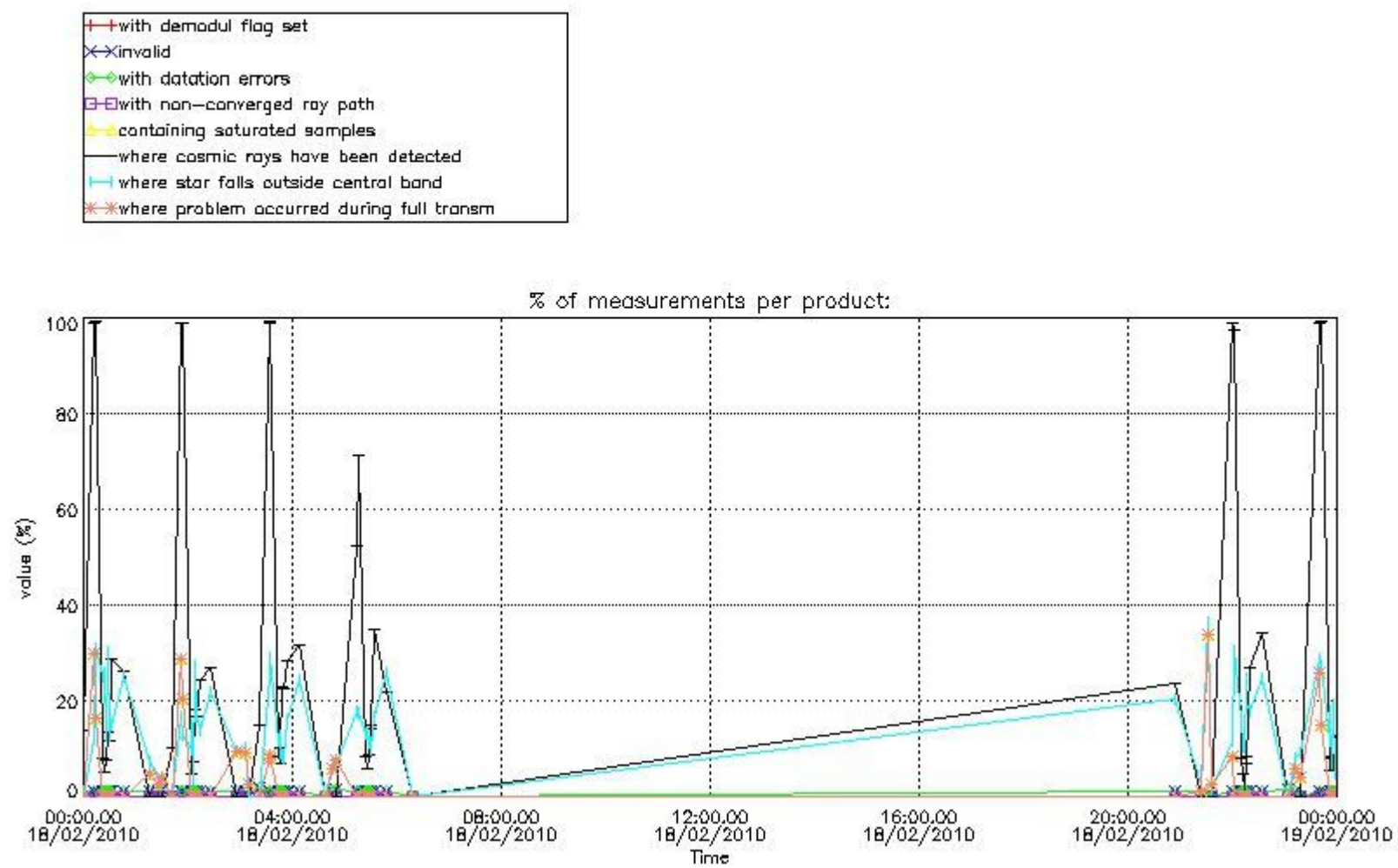
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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

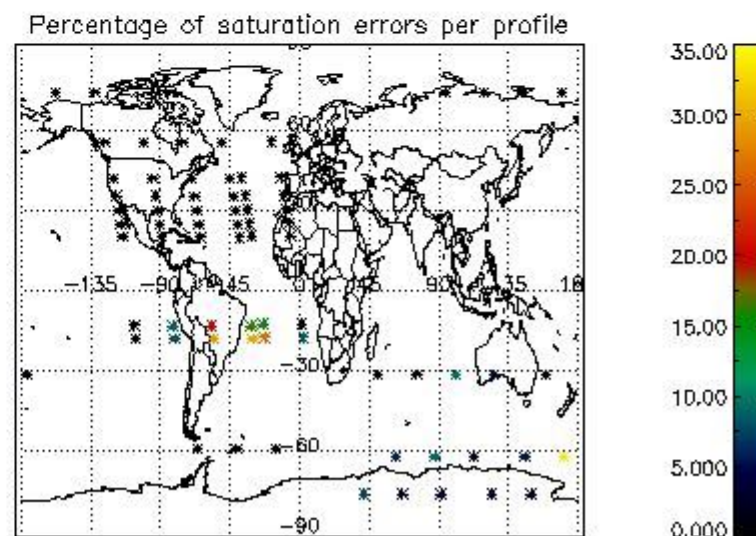
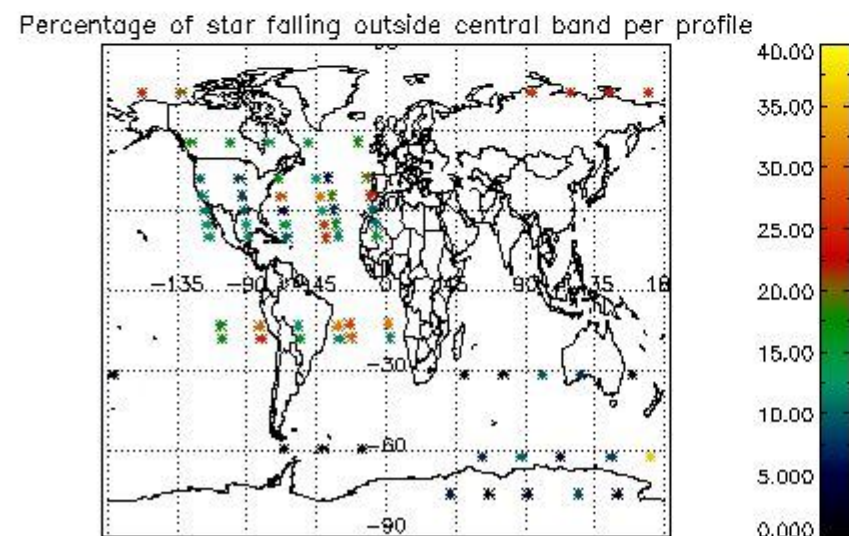
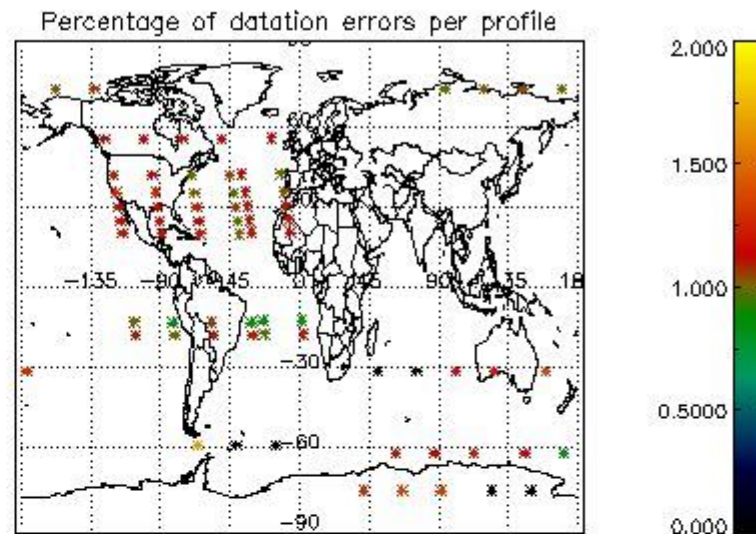
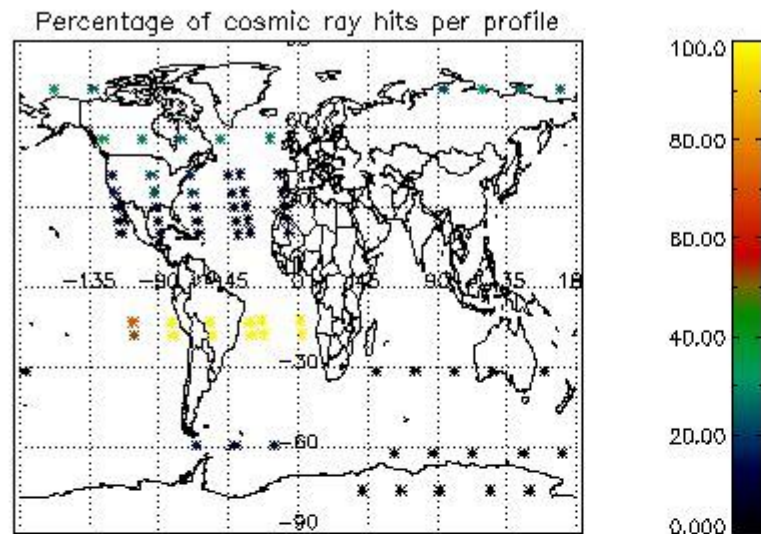


At least one measurement with demodulation flag set:	45.8333 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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



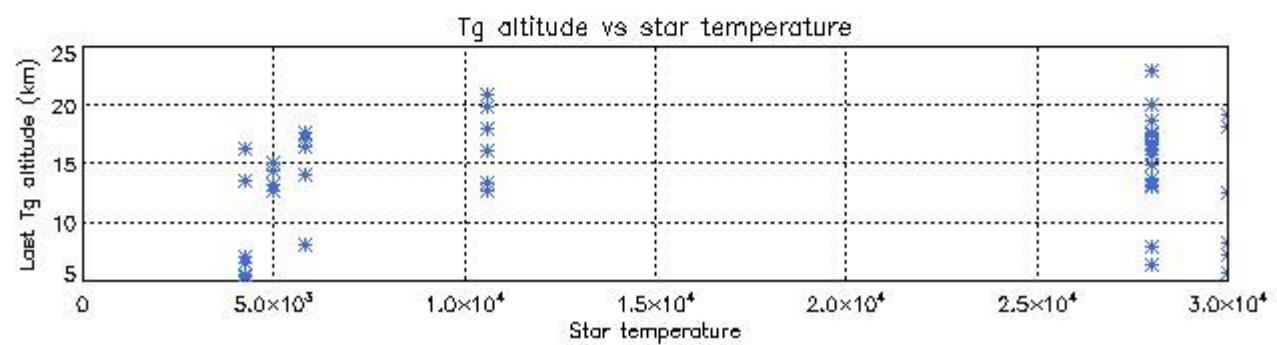
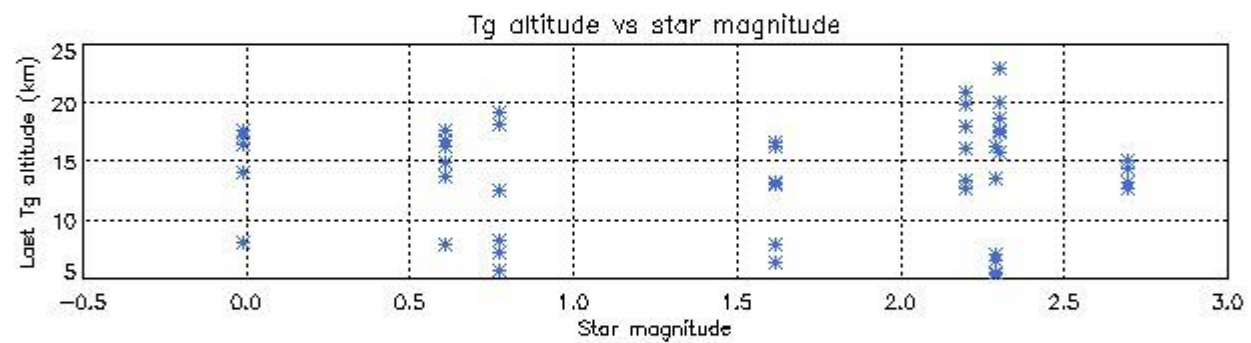
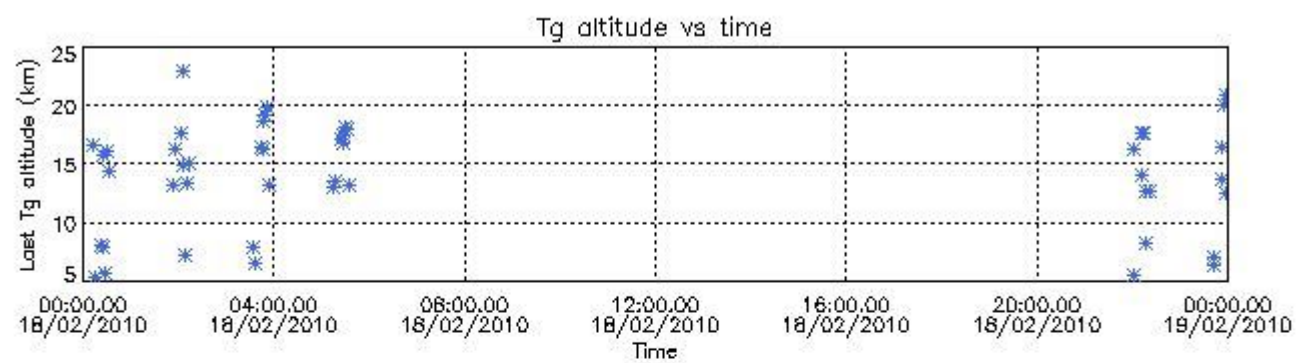
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.005	20.894	NaN
St. deviation:	4.6105	5.8528	NaN
Maximum:	23.014	28.886	NaN
Minimum:	5.2747	3.5843	NaN
Number of data:	47.000	16.000	NaN

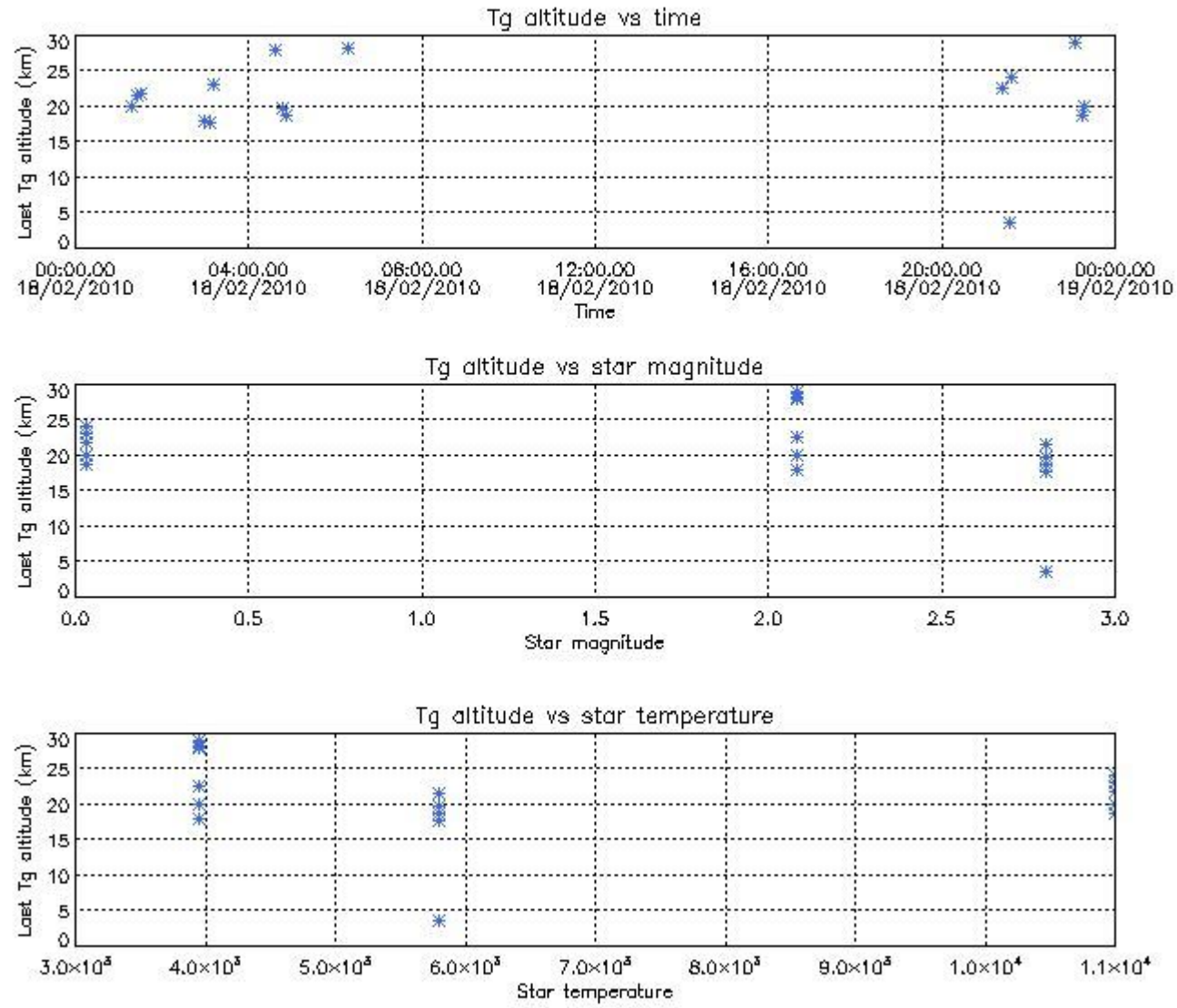
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



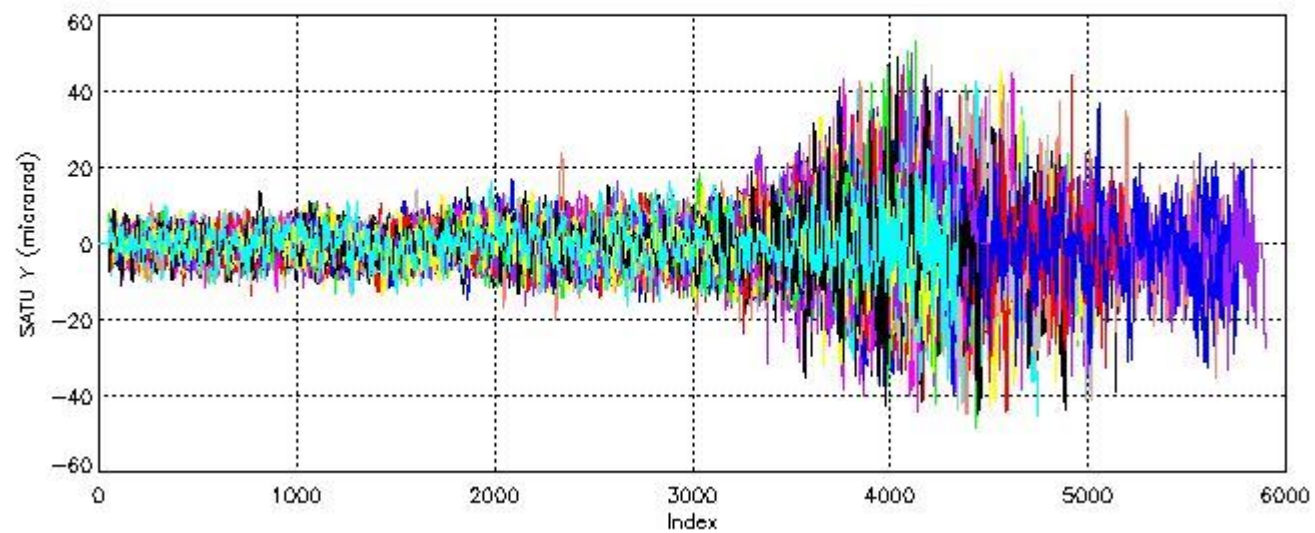
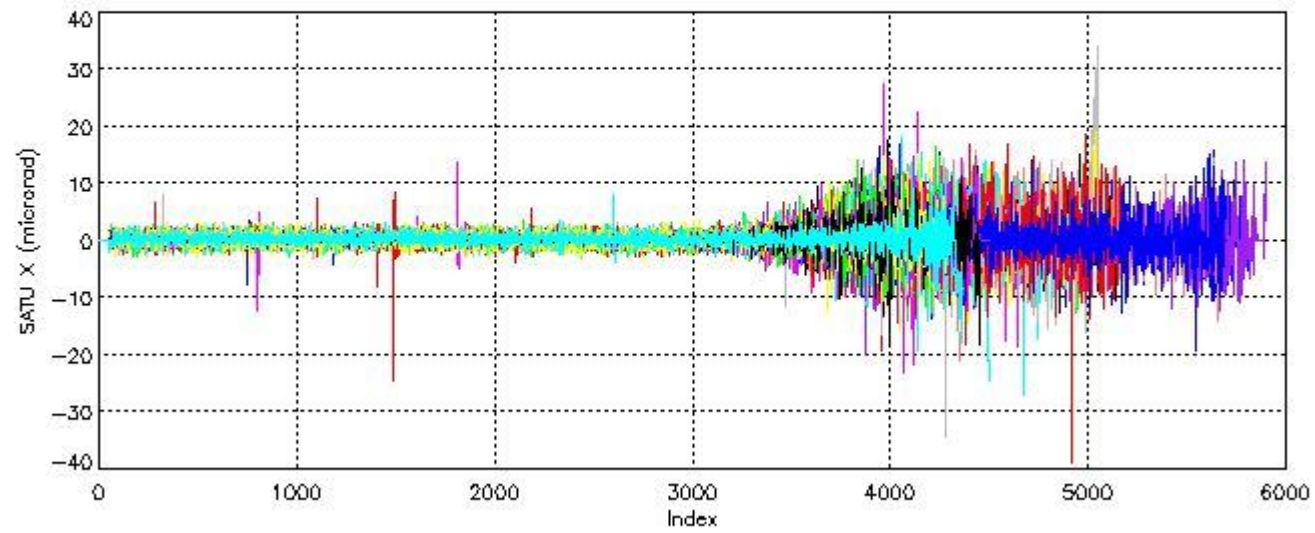
## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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





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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.18913	-0.096663	0.12824	-0.31186
St. deviation:	0.46147	2.8186	0.42050	2.9065
Maximum:	8.0000	13.600	3.1000	11.600
Minimum:	-12.300	-13.900	-2.9000	-11.200

Number of data:	45450.	45450.	15150.	15150.
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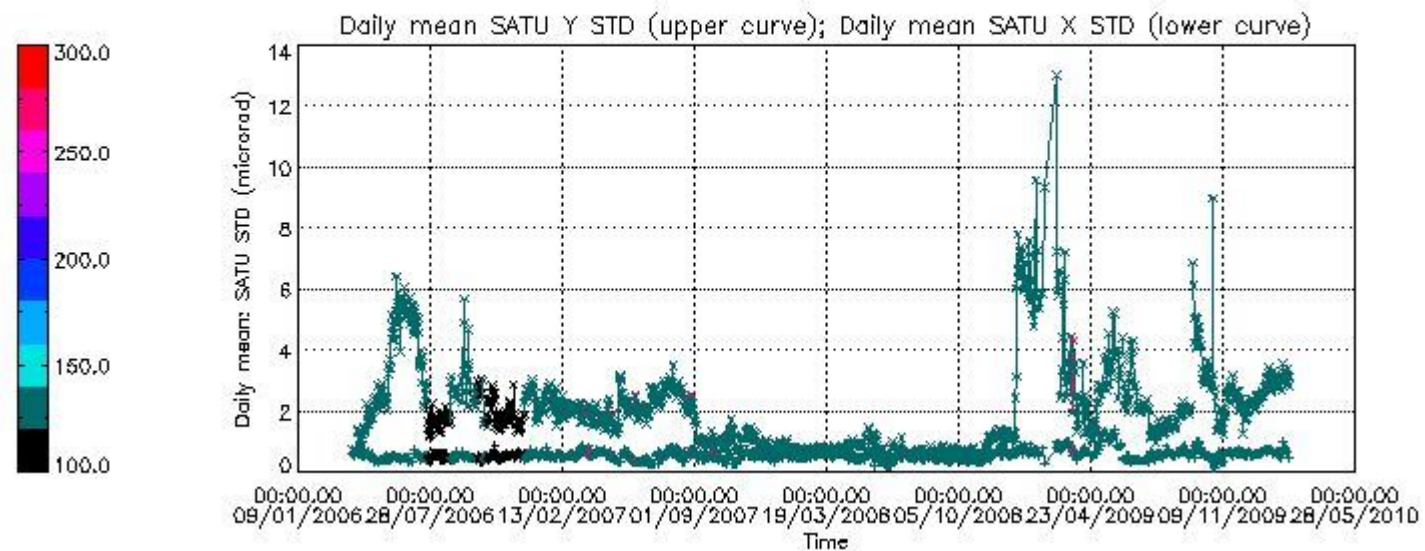
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

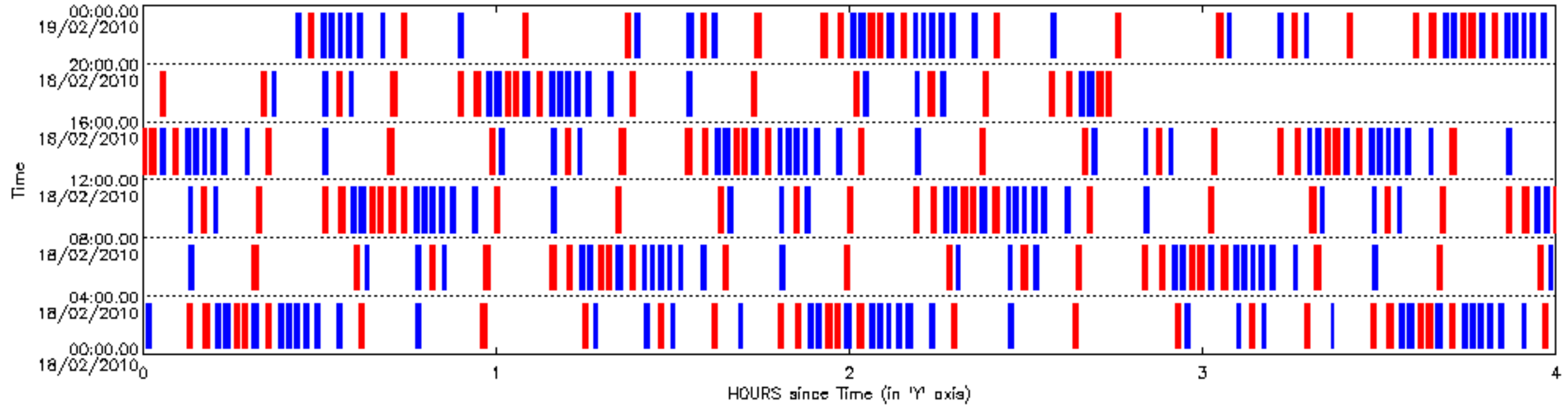
Lower curve: STD of SATU X axis

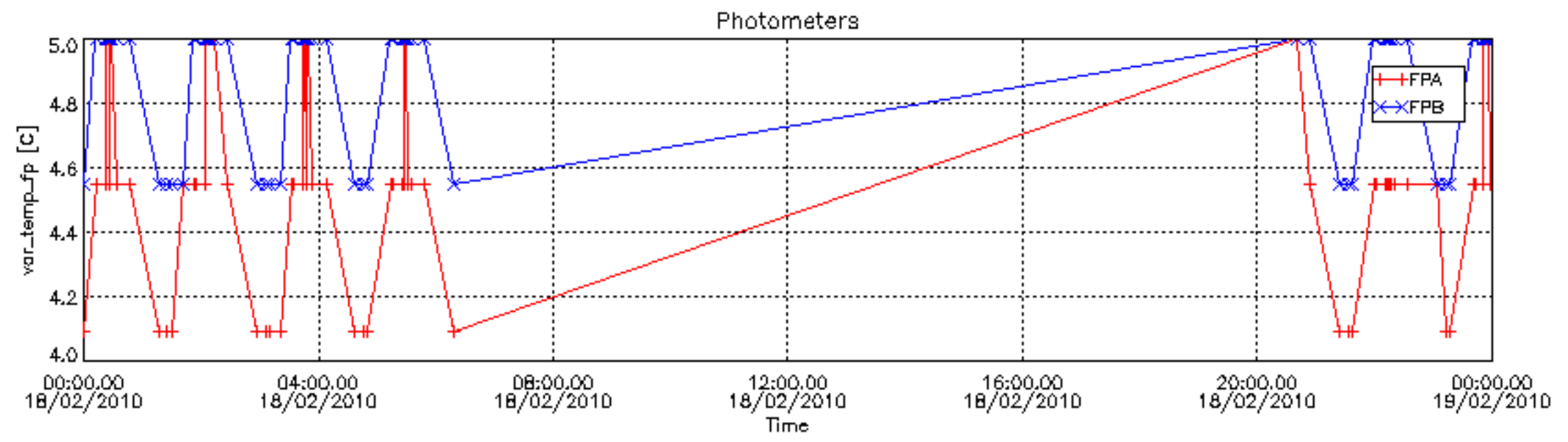
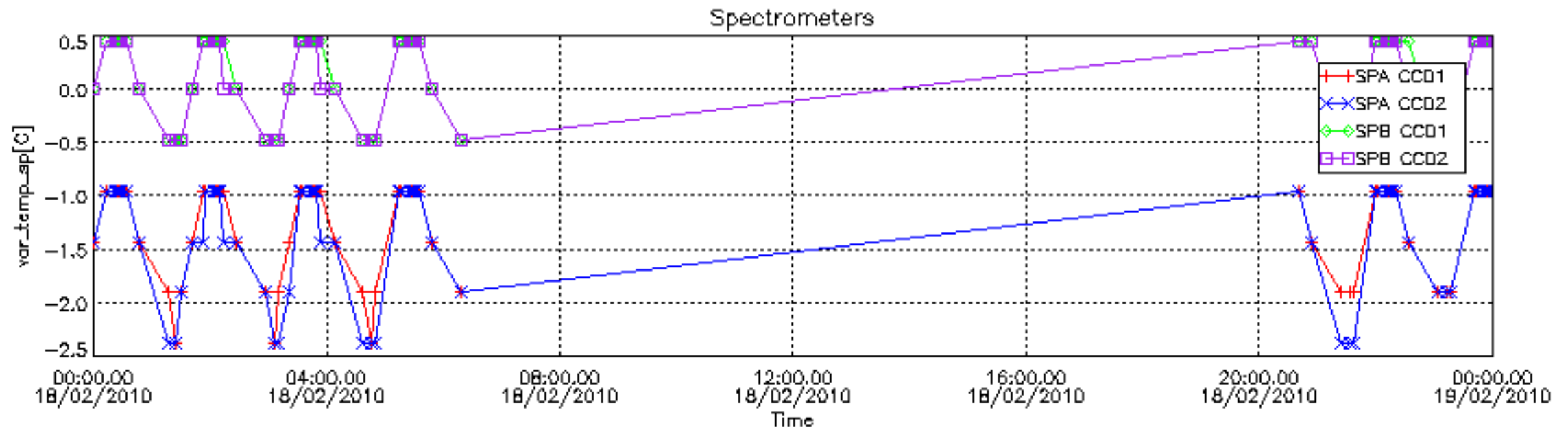


### 8. Auxiliary Data Files used for the production reported in section 2.4

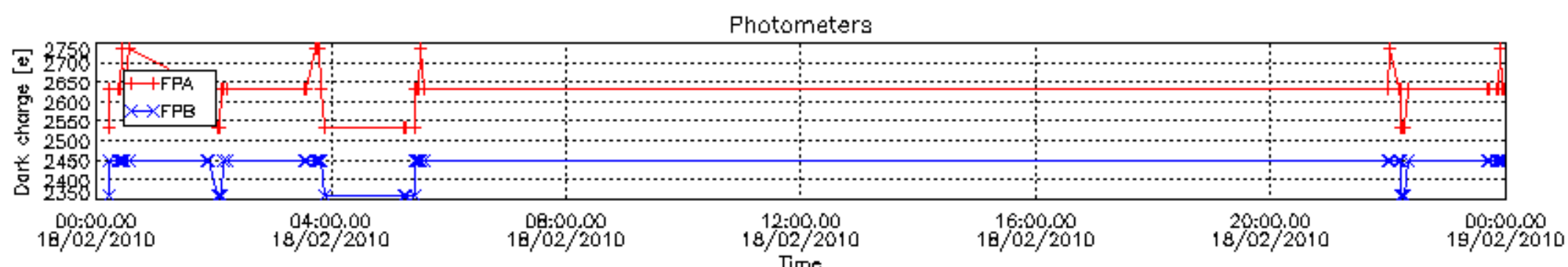
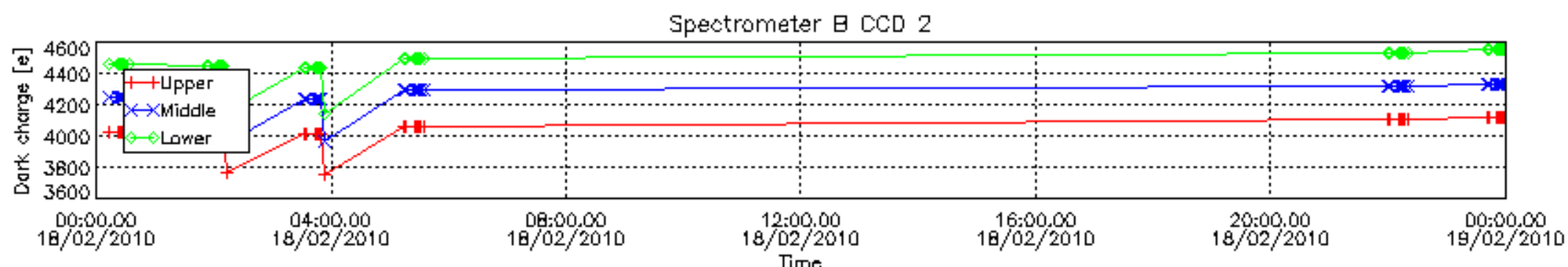
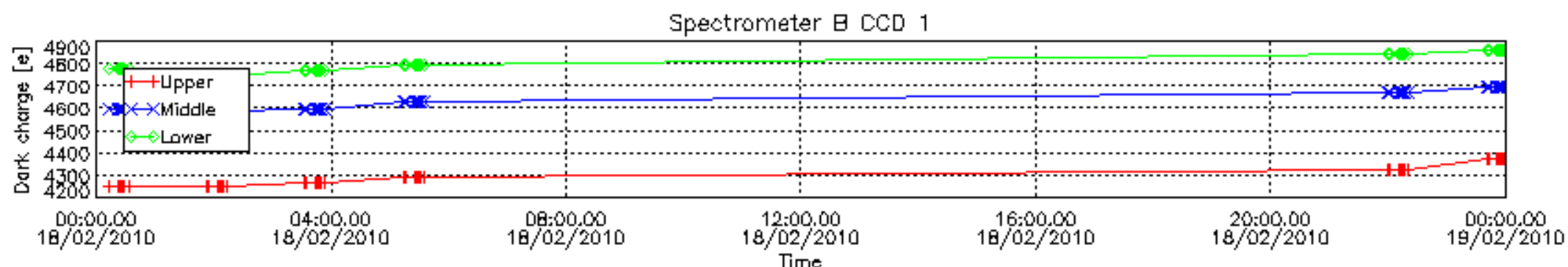
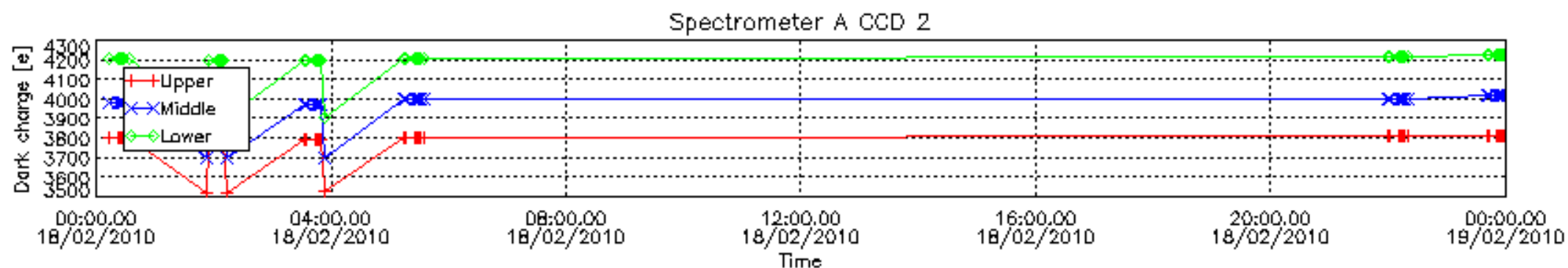
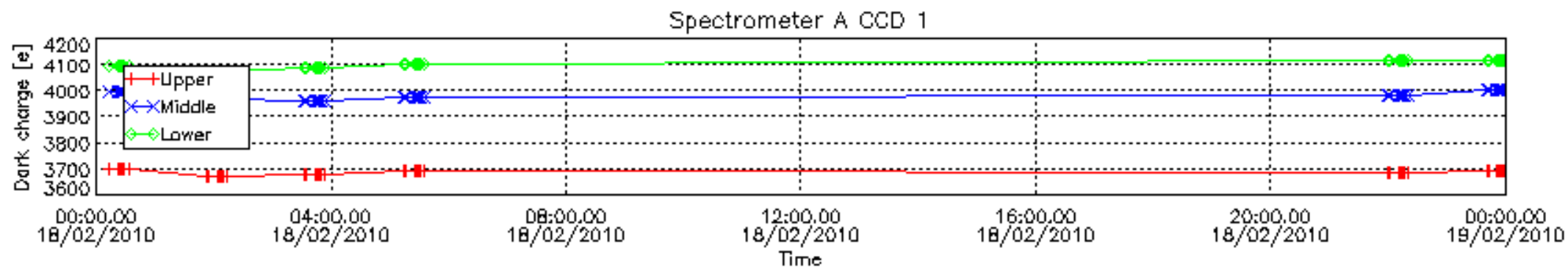
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

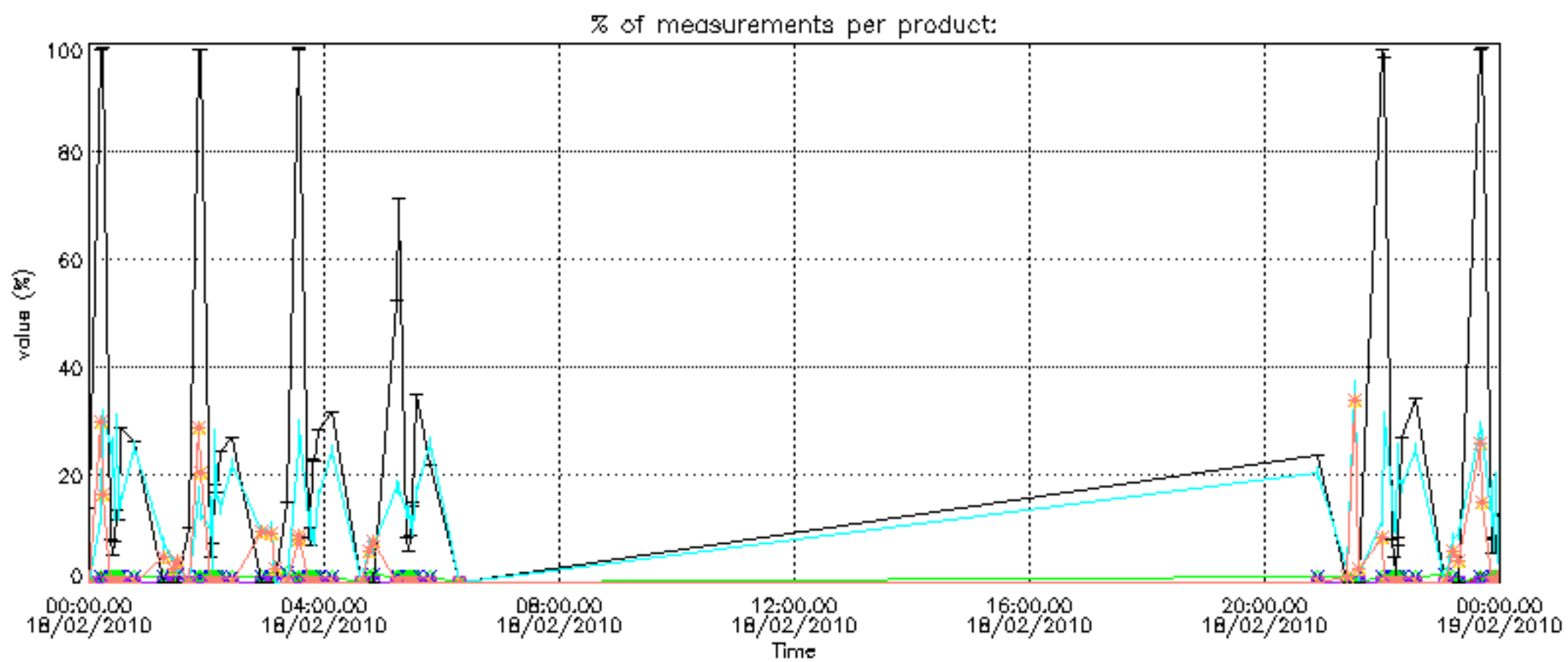
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	18-FEB-2010 00:00:33
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100216_142029_20100214_000000_20500101_000000	1	18-FEB-2010 00:00:33
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	18-FEB-2010 00:00:33
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	18-FEB-2010 00:00:33
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	18-FEB-2010 00:00:33
ECMWF_FILE	AUX_ECF_AXNECM20100217_062114_20100217_210000_20100218_090000	1	18-FEB-2010 00:00:33
ECMWF_FILE	AUX_ECA_AXNECM20100218_060114_20100217_210000_20100218_090000	38	18-FEB-2010 04:46:19
ECMWF_FILE	AUX_ECF_AXNECM20100218_062113_20100218_150000_20100219_030000	50	18-FEB-2010 20:40:13
ECMWF_FILE	AUX_ECF_AXNECM20100218_062114_20100218_210000_20100219_090000	55	18-FEB-2010 22:00:11
OPTIONAL_ECMWF_FILE	MISSING	1	18-FEB-2010 00:00:33
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100217_110113_20100216_194708_20100226_211321	1	18-FEB-2010 00:00:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100218_000039_000057382087_00030_41667_9782.N1	2	18-FEB-2010 00:12:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100218_014136_000041442087_00031_41668_9783.N1	15	18-FEB-2010 01:52:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100218_025559_000057382087_00032_41669_9784.N1	24	18-FEB-2010 02:56:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100218_043656_000057382087_00033_41670_9785.N1	38	18-FEB-2010 04:46:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100218_203836_000038252087_00043_41680_9786.N1	50	18-FEB-2010 20:40:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100218_214741_000060572087_00043_41680_9787.N1	55	18-FEB-2010 22:00:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100218_232838_000057382087_00044_41681_9788.N1	67	18-FEB-2010 23:40:48



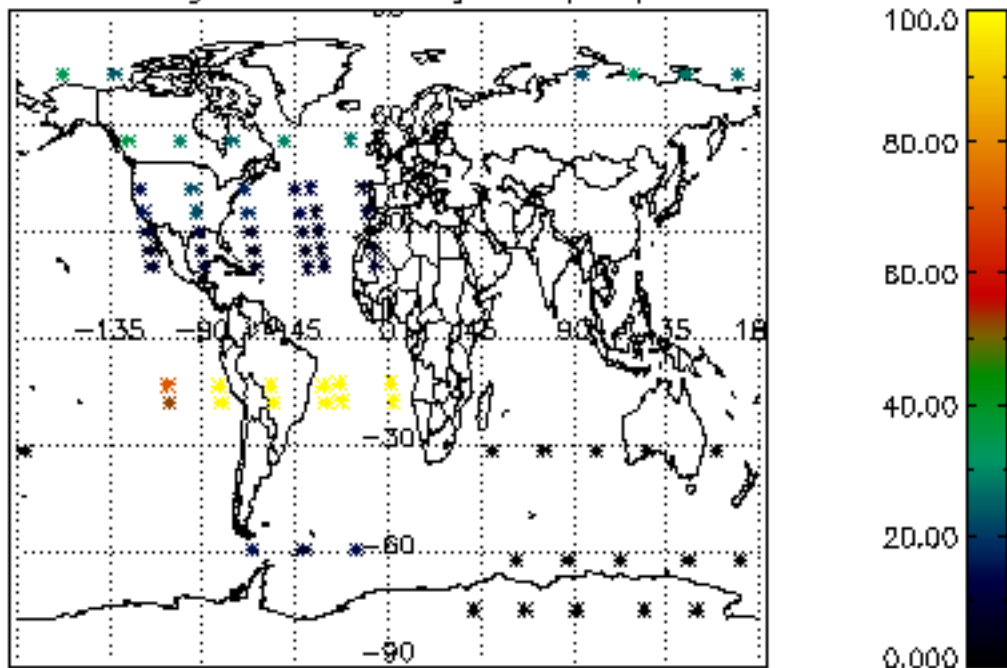




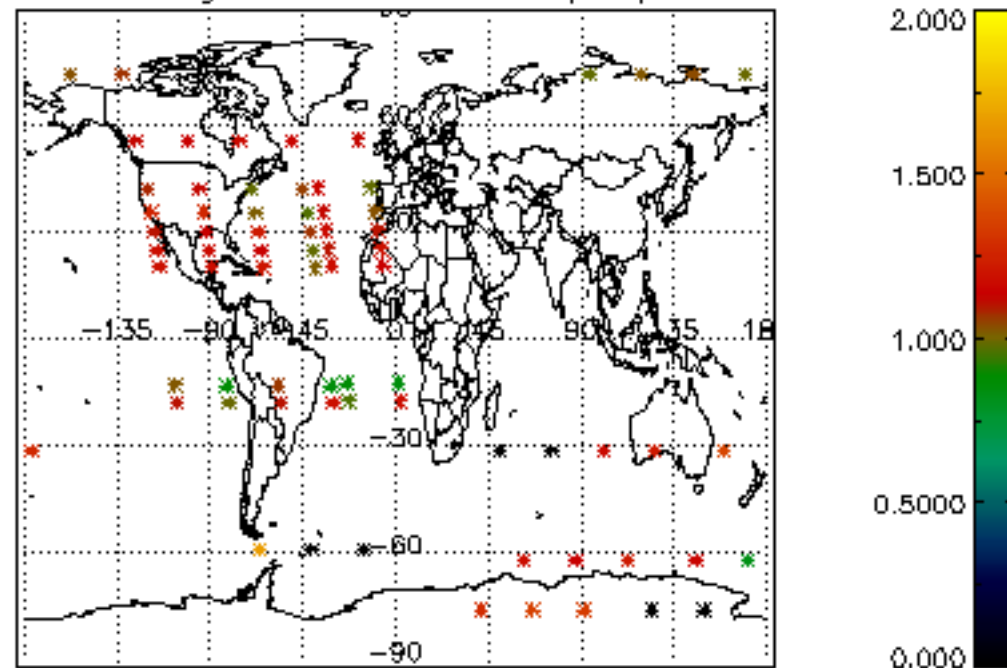




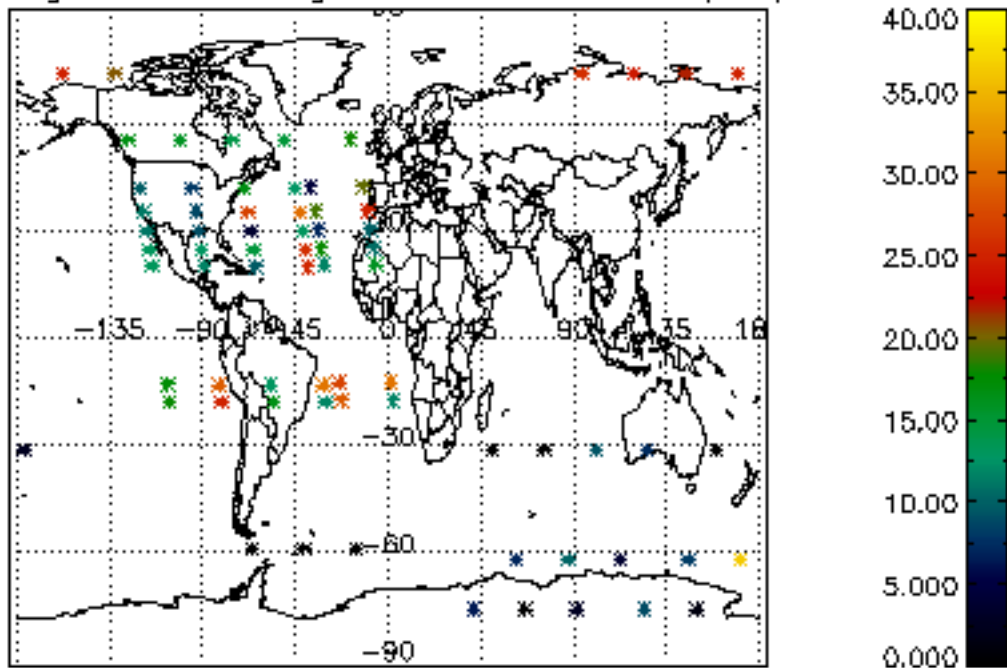
Percentage of cosmic ray hits per profile



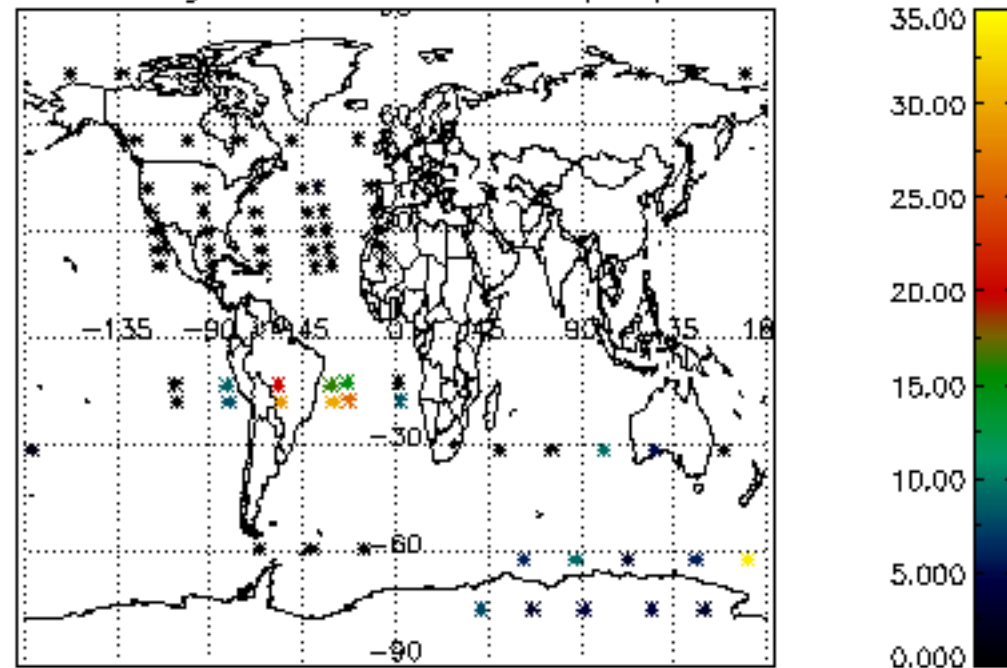
Percentage of datation errors per profile



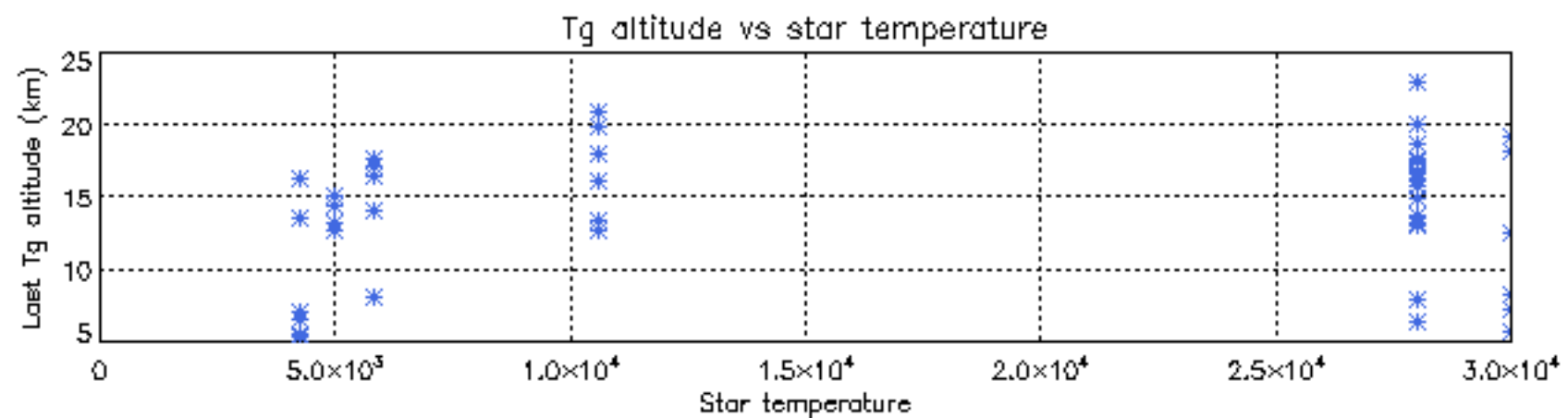
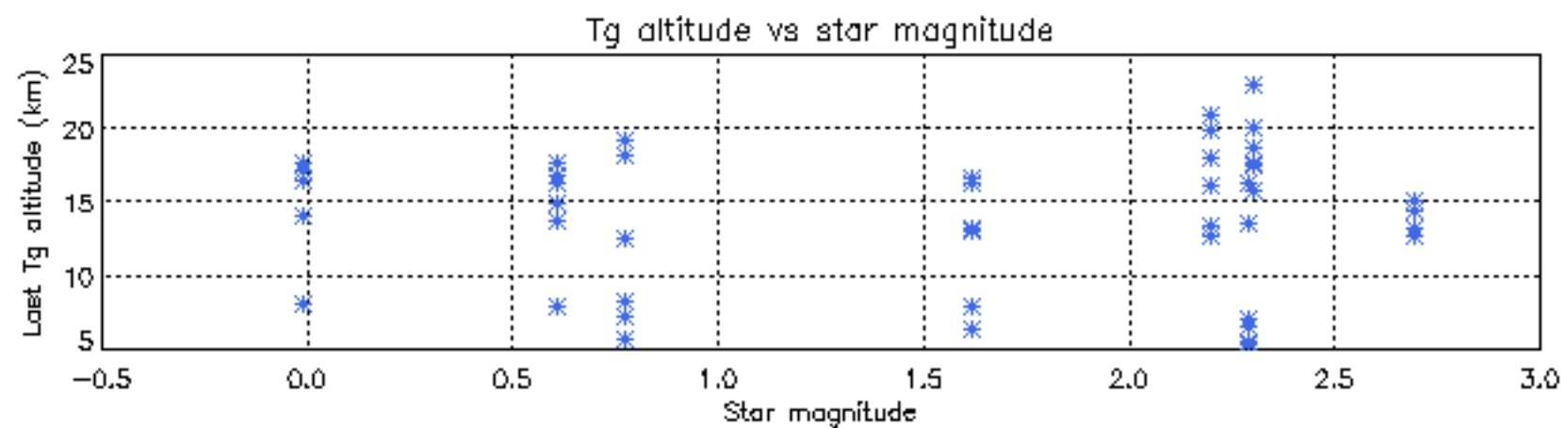
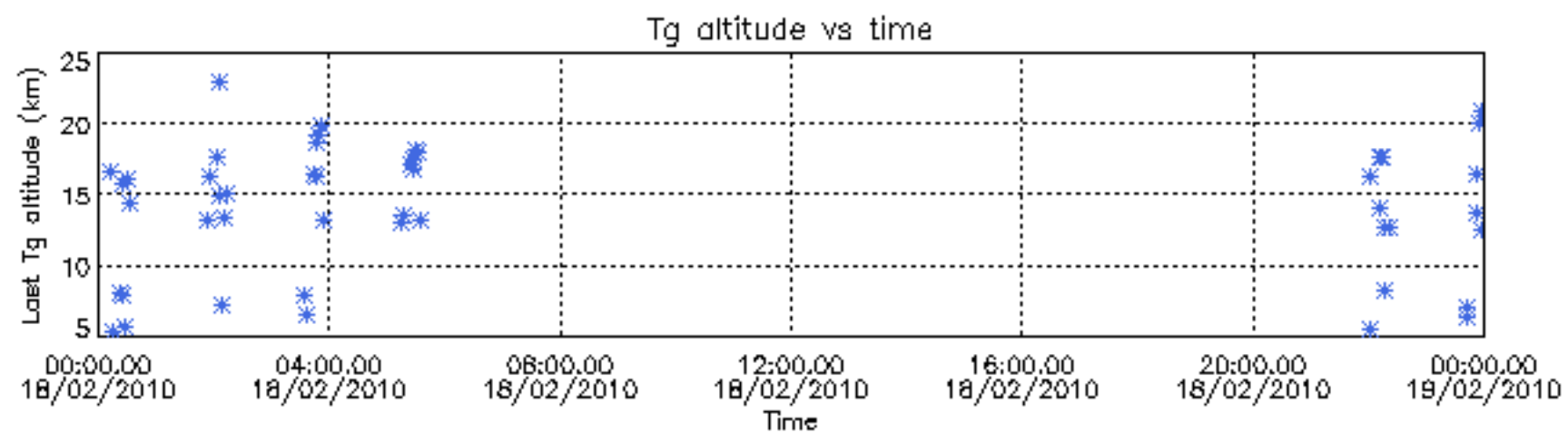
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

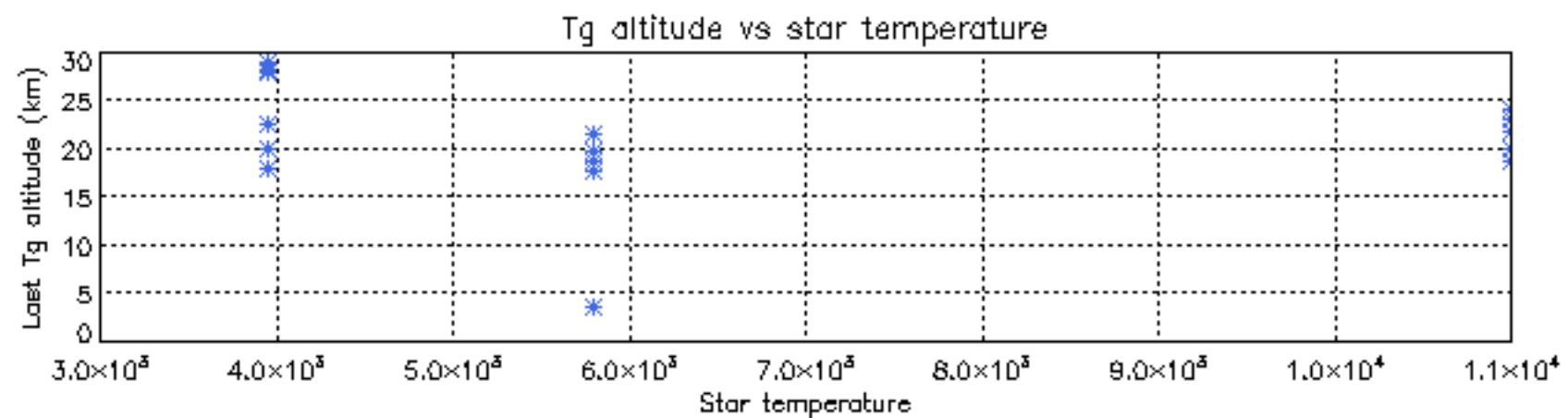
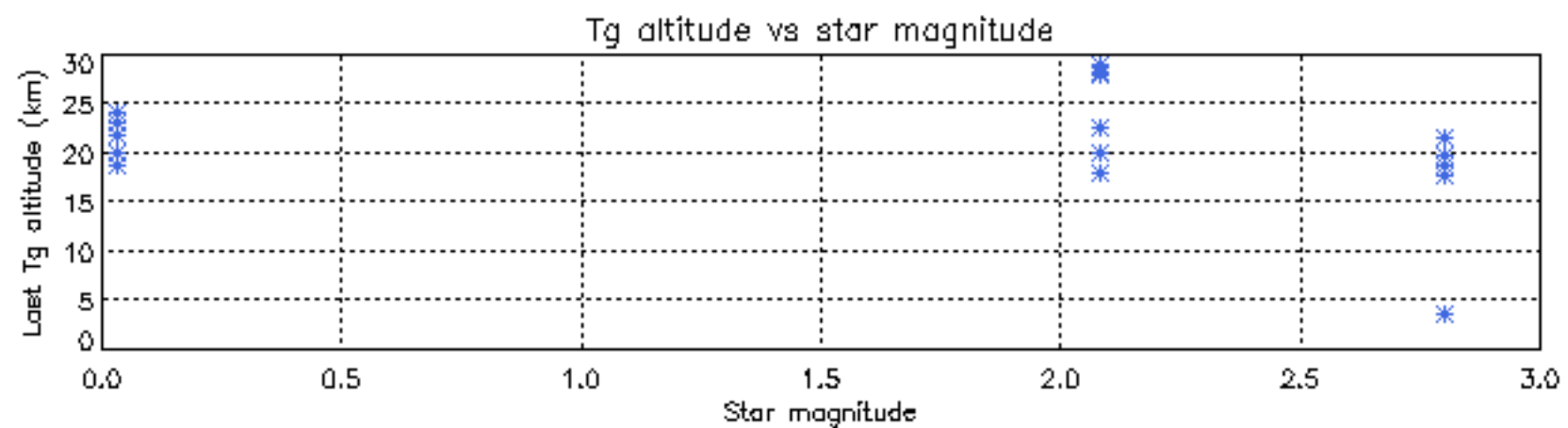
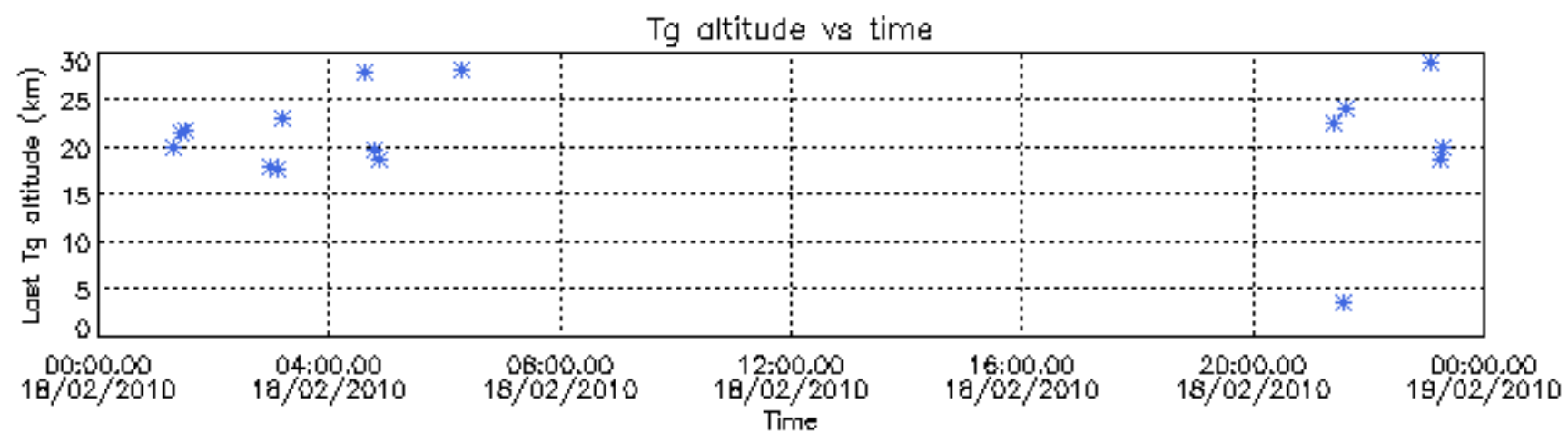


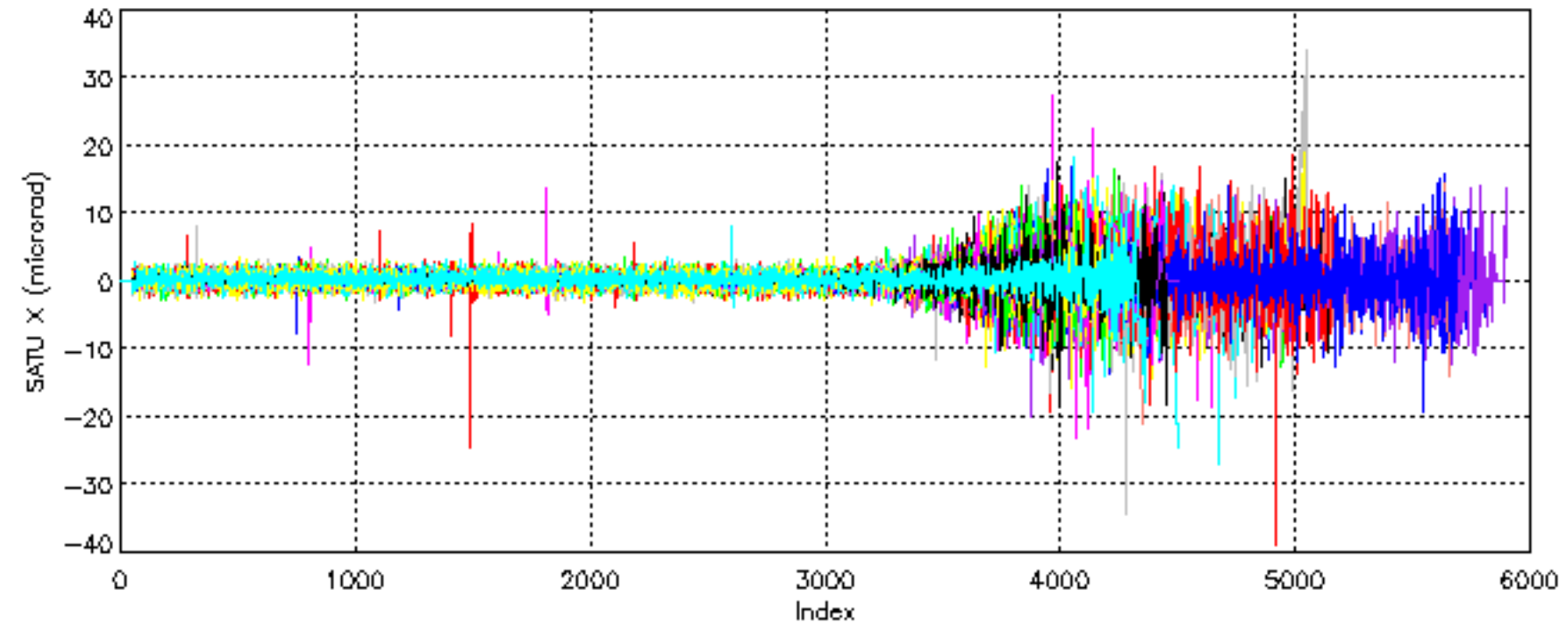
Tangent altitude at which the star is lost

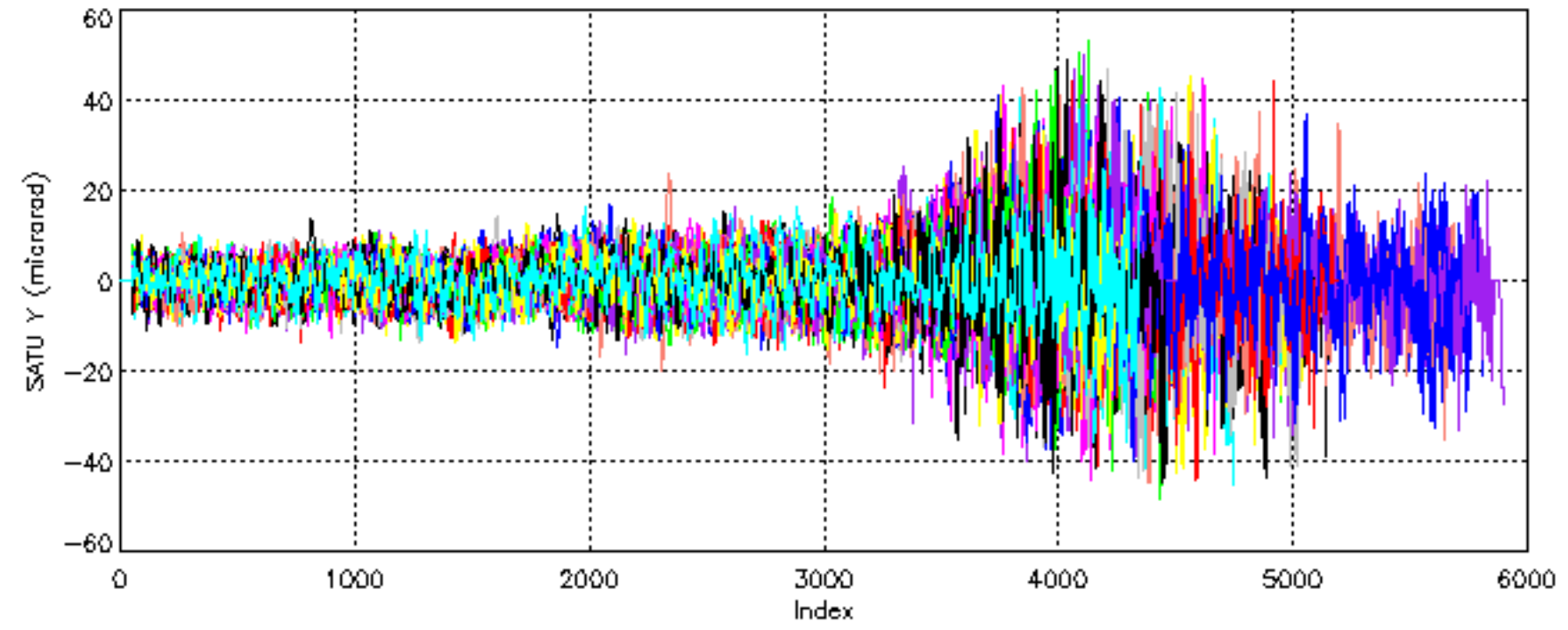


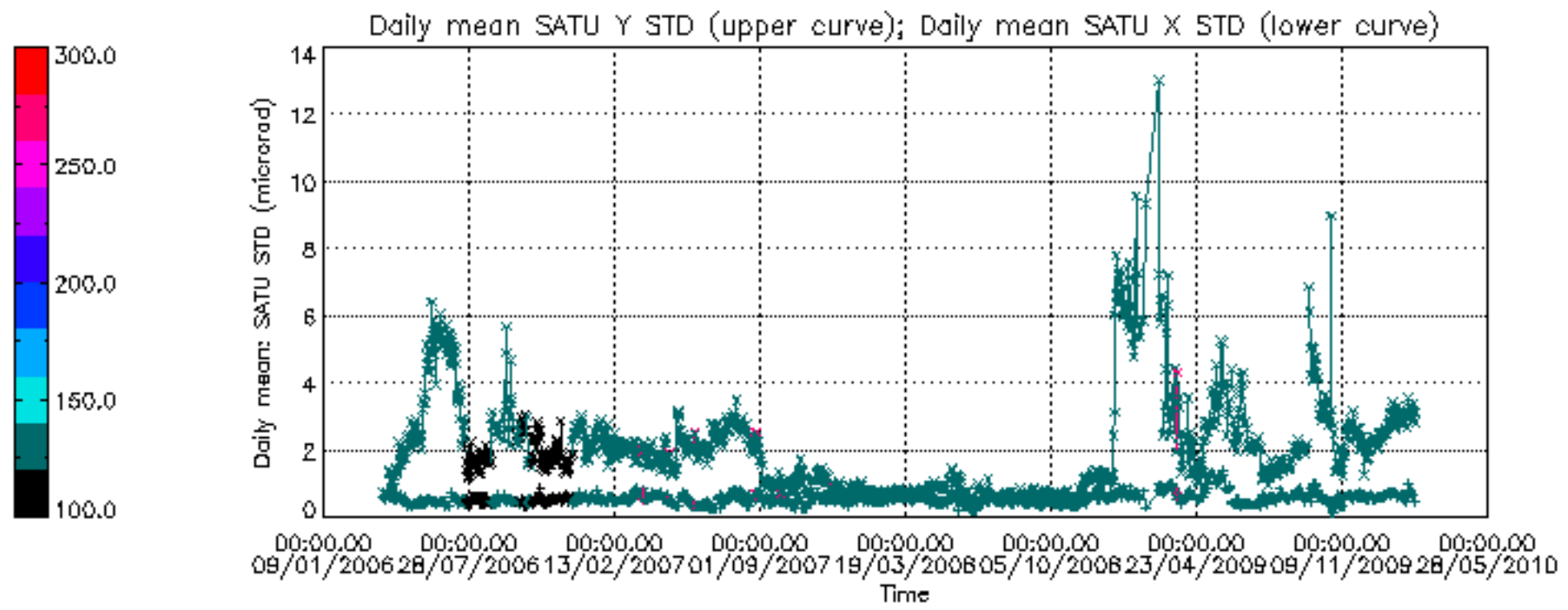


Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100201\_003952\_000056972086\_00288\_41424\_9421.N1

1; -718.0; 01-FEB-2010 00:39:52; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 8;41424  
 2; -463.4; 01-FEB-2010 00:44:06; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;41424  
 3; -116.1; 01-FEB-2010 00:49:54; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41424  
 4; 17.5; 01-FEB-2010 00:52:07; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41425  
 5; 106.9; 01-FEB-2010 00:53:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41425  
 6; 194.7; 01-FEB-2010 00:55:04; Dark ; 49.0; 4; Alp1Cen ;-0.01; 5800;occ; 98; 0;41425  
 7; 311.1; 01-FEB-2010 00:57:01; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41425  
 8; 470.4; 01-FEB-2010 00:59:40; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;41425  
 9; 591.6; 01-FEB-2010 01:01:41; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41425  
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 11; 823.9; 01-FEB-2010 01:05:34; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;41425  
 12; 928.5; 01-FEB-2010 01:07:18; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;41425  
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 19; 3427.8; 01-FEB-2010 01:48:58; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;41425  
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 22; 4087.0; 01-FEB-2010 01:59:57; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41425  
 23; 4304.9; 01-FEB-2010 02:03:35; Bright; 34.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 69; 0;41425  
 24; 4797.7; 01-FEB-2010 02:11:48; Bright; 55.0; 59; 55Alp Oph ; 2.08; 8900;occ; 110; 0;41425  
 25; 4925.7; 01-FEB-2010 02:13:55; Bright; 53.5; 126; 60Bet Oph ; 2.77; 4250;occ; 107; 0;41425

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 6; 18.5; 01-FEB-2010 02:32:44; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41426  
 7; 107.6; 01-FEB-2010 02:34:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41426  
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 12; 709.0; 01-FEB-2010 02:44:15; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41426  
 13; 824.1; 01-FEB-2010 02:46:10; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41426  
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 6; -1110.0; 01-FEB-2010 03:54:32; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;41426  
 7; -720.8; 01-FEB-2010 04:01:01; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41426  
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23; 2341.6; 01-FEB-2010 04:52:03; Bright; 36.0; 170; 27Eps Gem ; 3.00; 9700;occ; 72; 0;41427
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5; -1237.8; 01-FEB-2010 05:33:00; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;41427
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19; 1080.5; 01-FEB-2010 06:11:38; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41428
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2; 931.8; 01-FEB-2010 19:33:57; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41436
3; 1082.8; 01-FEB-2010 19:36:28; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41436
4; 1207.6; 01-FEB-2010 19:38:33; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41436
5; 1469.4; 01-FEB-2010 19:42:54; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41436
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12; 827.5; 01-FEB-2010 21:12:49; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;41437
13; 932.2; 01-FEB-2010 21:14:33; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41437
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 12; 109.7; 01-FEB-2010 07:36:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41429  
 13; 197.0; 01-FEB-2010 07:37:31; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;41429  
 14; 314.1; 01-FEB-2010 07:39:28; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41429  
 15; 472.5; 01-FEB-2010 07:42:06; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41429  
 16; 594.7; 01-FEB-2010 07:44:08; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41429  
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 18; 825.0; 01-FEB-2010 07:47:59; Dark ; 46.0; 71; Iot Car ; 2.25; 7700;occ; 92; 0;41429  
 19; 929.8; 01-FEB-2010 07:49:43; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41429  
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 21; 1206.1; 01-FEB-2010 07:54:20; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;41429  
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 3; 2341.7; 01-FEB-2010 08:13:15; Bright; 36.5; 170; 27Eps Gem ; 3.00; 9700;occ; 73; 0;41429  
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 5; 3427.7; 01-FEB-2010 08:31:21; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;41429  
 6; 3612.6; 01-FEB-2010 08:34:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;41429  
 7; 3895.9; 01-FEB-2010 08:39:09; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;41429



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22; 6746.2; 01-FEB-2010 09:26:40; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41429
23; 6861.1; 01-FEB-2010 09:28:35; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;41429
24; 6965.9; 01-FEB-2010 09:30:20; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;41429
25; 7117.1; 01-FEB-2010 09:32:51; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41429
26; 7242.2; 01-FEB-2010 09:34:56; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;41429
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5; 3612.5; 01-FEB-2010 10:15:02; Bright; 44.5; 60; 7Bet UMi ; 2.08; 3950;occ; 89; 0;41430
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7; 4086.6; 01-FEB-2010 10:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;41430
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9; 4799.1; 01-FEB-2010 10:34:49; Bright; 55.0; 59; 55Alp Oph ; 2.08; 8900;occ; 110; 0;41430
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13; 5661.4; 01-FEB-2010 10:49:11; Dark ; 47.5; 158; 6Pi Sco ; 2.91; 28000;occ; 95; 0;41430
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22; 6861.4; 01-FEB-2010 11:09:11; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41430
23; 6966.3; 01-FEB-2010 11:10:56; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41430
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3; 2455.3; 01-FEB-2010 11:36:21; Bright; 40.0; 24; 66Alp Gem ; 1.58; 10200;occ; 80; 0;41431
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14; 5925.2; 01-FEB-2010 12:34:11; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41431
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16; 6147.7; 01-FEB-2010 12:37:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41431
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19; 6509.8; 01-FEB-2010 12:43:55; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41431
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23; 6966.4; 01-FEB-2010 12:51:32; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41431
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 6; 3893.1; 02-FEB-2010 08:07:30; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41443  
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 8; 4307.3; 02-FEB-2010 08:14:24; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;41443  
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 14; 5935.3; 02-FEB-2010 08:41:32; Dark ; 43.5; 131; Gam Lup ; 2.80; 26000;occ; 87; 0;41443  
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 15; 6241.7; 02-FEB-2010 10:27:14; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0;41444  
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 17; 6517.0; 02-FEB-2010 10:31:49; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41444  
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 19; 6751.2; 02-FEB-2010 10:35:44; Dark ; 41.0; 159; Ups Car ; 2.92; 7200;occ; 82; 0;41444  
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13; 5675.3; 02-FEB-2010 11:58:24; Dark ; 46.5; 158; 6Pi Sco ; 2.91; 28000;occ; 93; 0;41445
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21; 6644.7; 02-FEB-2010 13:55:09; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;41446
22; 6751.6; 02-FEB-2010 13:56:56; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41446
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24; 6970.9; 02-FEB-2010 14:00:35; Dark ; 36.5; 46; Del Vel ; 1.95; 10600;occ; 73; 0;41446
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 10; 4086.7; 02-FEB-2010 18:14:19; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41449  
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 31; 6522.3; 03-FEB-2010 03:17:54; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41454  
 32; 6651.0; 03-FEB-2010 03:20:02; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41454  
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16; 4944.4; 05-FEB-2010 00:07:46; Bright; 48.0; 126; 60Bet Oph ; 2.77; 4250;occ; 96; 0;41481
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5; 4085.8; 04-FEB-2010 15:30:28; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41476
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5; 3596.2; 05-FEB-2010 19:52:29; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;41493  
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3;-1214.6; 06-FEB-2010 07:57:05; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41500  
4;-1084.0; 06-FEB-2010 07:59:16; Bright; 54.5; 126; 60Bet Oph ; 2.77; 4250;occ; 109; 0;41500  
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8; 312.6; 06-FEB-2010 08:22:32; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41501  
9; 485.0; 06-FEB-2010 08:25:25; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;41501  
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3; 3881.6; 06-FEB-2010 09:22:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41501  
4; 4084.9; 06-FEB-2010 09:25:25; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;41501  
5; 4821.8; 06-FEB-2010 09:37:42; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41501  
6; 4951.9; 06-FEB-2010 09:39:52; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;41501  
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11; 6606.6; 06-FEB-2010 10:07:26; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41501  
12; 6883.2; 06-FEB-2010 10:12:03; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41501  
13; 6986.8; 06-FEB-2010 10:13:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41501  
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3; 3881.3; 06-FEB-2010 11:02:37; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;41502  
4; 4084.6; 06-FEB-2010 11:06:00; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41502  
5; 4822.1; 06-FEB-2010 11:18:18; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;41502

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3; -1951.4; 06-FEB-2010 12:46:36; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41503
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3; 3881.0; 06-FEB-2010 14:23:48; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41504
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3; -31.3; 07-FEB-2010 21:09:59; Dark ; 44.5; 131; Gam Lup ; 2.80; 26000;occ; 89; 0;41522
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5; -533.0; 07-FEB-2010 07:36:50; Dark ; 45.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 90; 0;41514
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4; 4083.3; 08-FEB-2010 10:02:45; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41530
5; 4832.1; 08-FEB-2010 10:15:14; Bright; 43.0; 59; 55Alp Oph ; 2.08; 8900;occ; 86; 0;41530
6; 4963.4; 08-FEB-2010 10:17:25; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41530
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11; 6012.0; 08-FEB-2010 10:34:53; Dark ; 45.0; 131; Gam Lup ; 2.80; 26000;occ; 90; 0;41530
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13; 6367.0; 08-FEB-2010 10:40:48; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;41530
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3; 4083.0; 08-FEB-2010 11:43:20; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41531
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5; 4083.4; 08-FEB-2010 13:23:56; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41532
6; 4833.0; 08-FEB-2010 13:36:26; Bright; 59.0; 59; 55Alp Oph ; 2.08; 8900;occ; 118; 0;41532
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11; 5690.2; 12-FEB-2010 18:26:38; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41592  
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14; 5965.0; 12-FEB-2010 18:31:13; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;41592  
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16; 6266.3; 12-FEB-2010 18:36:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41592  
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7; 4078.0; 12-FEB-2010 19:40:22; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41593  
8; 4325.0; 12-FEB-2010 19:44:29; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41593  
9; 4735.6; 12-FEB-2010 19:51:20; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41593  
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11; 5569.7; 12-FEB-2010 20:05:14; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;41593  
12; 5690.6; 12-FEB-2010 20:07:15; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;41593  
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14; 5877.2; 12-FEB-2010 20:10:21; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;41593  
15; 5965.4; 12-FEB-2010 20:11:50; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;41593  
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16; 4077.7; 13-FEB-2010 02:22:46; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41597
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19; 4736.1; 13-FEB-2010 02:33:44; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;41597
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21; 4993.0; 13-FEB-2010 02:38:01; Bright; 47.0; 126; 60Bet Oph ; 2.77; 4250;occ; 94; 0;41597
22; 5423.6; 13-FEB-2010 02:45:11; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41597
23; 5570.8; 13-FEB-2010 02:47:39; Dark ; 42.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 84; 0;41597
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26; 5966.9; 13-FEB-2010 02:54:15; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;41597
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28; 6270.1; 13-FEB-2010 02:59:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41597
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31; 6686.1; 13-FEB-2010 03:06:14; Dark ; 55.5; 64; Gam Cen ; 2.20; 10600;occ; 111; 0;41597
32; 6970.4; 13-FEB-2010 03:10:58; Dark ; 39.0; 91; Kap Vel ; 2.49; 26000;occ; 78; 0;41597
33; 7169.2; 13-FEB-2010 03:14:17; Dark ; 49.5; 65; Lam Vel ; 2.20; 4400;occ; 99; 0;41597
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7; 4743.6; 15-FEB-2010 11:34:13; Bright; 33.5; 168; 17Zet Aql ; 2.99; 11000;occ; 67; 0;41631  
8; 5010.2; 15-FEB-2010 11:38:39; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41631  
9; 5451.7; 15-FEB-2010 11:46:01; Dark ; 52.0; 86; 35Eta Oph ; 2.43; 10200;occ; 104; 0;41631  
10; 5583.0; 15-FEB-2010 11:48:12; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;41631  
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13; 5893.8; 15-FEB-2010 11:53:23; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;41631  
14; 5980.5; 15-FEB-2010 11:54:50; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;41631  
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16; 6215.4; 15-FEB-2010 11:58:44; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;41631  
17; 6296.0; 15-FEB-2010 12:00:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41631  
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19; 6510.3; 15-FEB-2010 12:03:39; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41631  
20; 6613.4; 15-FEB-2010 12:05:22; Dark ; 49.0; 12; Alp1Cru ; 0.77; 30000;occ; 98; 0;41631  
21; 6712.7; 15-FEB-2010 12:07:02; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41631  
22; 6979.2; 15-FEB-2010 12:11:28; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41631  
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6; 4328.7; 15-FEB-2010 13:07:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41632  
7; 4744.1; 15-FEB-2010 13:14:49; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41632  
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9; 5452.6; 15-FEB-2010 13:26:37; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41632  
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13; 5894.4; 15-FEB-2010 13:33:59; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;41632  
14; 5981.0; 15-FEB-2010 13:35:26; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;41632  
15; 6112.8; 15-FEB-2010 13:37:38; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41632  
16; 6216.1; 15-FEB-2010 13:39:21; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;41632  
17; 6296.8; 15-FEB-2010 13:40:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41632  
18; 6429.9; 15-FEB-2010 13:42:55; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;41632  
19; 6511.0; 15-FEB-2010 13:44:16; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41632  
20; 6613.9; 15-FEB-2010 13:45:59; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;41632  
21; 6979.5; 15-FEB-2010 13:52:04; Dark ; 39.0; 91; Kap Vel ; 2.49; 26000;occ; 78; 0;41632  
22; 7178.4; 15-FEB-2010 13:55:23; Dark ; 45.0; 65; Lam Vel ; 2.20; 4400;occ; 90; 0;41632

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4; 4073.8; 15-FEB-2010 14:44:15; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;41633  
5; 4192.8; 15-FEB-2010 14:46:14; Bright; 33.5; 144; 18Del Cyg ; 2.86; 11000;occ; 67; 0;41633  
6; 4328.9; 15-FEB-2010 14:48:30; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41633  
7; 4744.1; 15-FEB-2010 14:55:25; Bright; 33.5; 168; 17Zet Aql ; 2.99; 11000;occ; 67; 0;41633  
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12; 5894.8; 15-FEB-2010 15:14:36; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;41633  
13; 5981.5; 15-FEB-2010 15:16:02; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;41633  
14; 6089.0; 15-FEB-2010 15:17:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41633  
15; 6216.5; 15-FEB-2010 15:19:57; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;41633  
16; 6351.4; 15-FEB-2010 15:22:12; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;41633  
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18; 6511.9; 15-FEB-2010 15:24:53; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41633  
19; 6714.3; 15-FEB-2010 15:28:15; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41633  
20; 6959.5; 15-FEB-2010 15:32:20; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41633  
21; 7178.3; 15-FEB-2010 15:35:59; Dark ; 45.0; 65; Lam Vel ; 2.20; 4400;occ; 90; 0;41633

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4; 4073.8; 15-FEB-2010 16:24:51; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41634  
5; 4193.2; 15-FEB-2010 16:26:50; Bright; 36.5; 144; 18Del Cyg ; 2.86; 11000;occ; 73; 0;41634  
6; 4329.0; 15-FEB-2010 16:29:06; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41634  
7; 4744.7; 15-FEB-2010 16:36:01; Bright; 52.0; 168; 17Zet Aql ; 2.99; 11000;occ; 104; 0;41634  
8; 5012.0; 15-FEB-2010 16:40:29; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41634  
9; 5454.3; 15-FEB-2010 16:47:51; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41634  
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11; 5713.5; 15-FEB-2010 16:52:10; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41634  
12; 5789.8; 15-FEB-2010 16:53:27; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;41634  
13; 5895.6; 15-FEB-2010 16:55:12; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;41634  
14; 5981.9; 15-FEB-2010 16:56:39; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;41634  
15; 6089.6; 15-FEB-2010 16:58:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41634  
16; 6217.1; 15-FEB-2010 17:00:34; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;41634  
17; 6352.3; 15-FEB-2010 17:02:49; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;41634  
18; 6431.3; 15-FEB-2010 17:04:08; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;41634  
19; 6512.6; 15-FEB-2010 17:05:29; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41634  
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21; 6960.1; 15-FEB-2010 17:12:57; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41634

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6; 4329.0; 15-FEB-2010 18:09:42; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41635
7; 4744.9; 15-FEB-2010 18:16:38; Bright; 52.0; 168; 17Zet Aql ; 2.99; 11000;occ; 104; 0;41635
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9; 5455.1; 15-FEB-2010 18:28:28; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41635
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11; 5714.2; 15-FEB-2010 18:32:47; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41635
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13; 5895.8; 15-FEB-2010 18:35:48; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;41635
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3; 3550.3; 16-FEB-2010 20:46:18; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41651
4; 4071.6; 16-FEB-2010 20:54:59; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;41651
5; 4330.4; 16-FEB-2010 20:59:18; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41651
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4; 405.3; 16-FEB-2010 21:34:29; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41652
5; 489.9; 16-FEB-2010 21:35:53; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41652
6; 587.3; 16-FEB-2010 21:37:31; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;41652
7; 691.9; 16-FEB-2010 21:39:15; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41652
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4; 406.0; 16-FEB-2010 23:15:05; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41653
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6; 587.8; 16-FEB-2010 23:18:07; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;41653
7; 692.8; 16-FEB-2010 23:19:52; Dark ; 52.5; 64; Gam Cen ; 2.20; 10600;occ; 105; 0;41653
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9; 1740.2; 16-FEB-2010 23:37:19; Dark ; 50.5; 48; 30Alp Hya ; 1.98; 4100;occ; 101; 0;41653
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12; 4330.6; 17-FEB-2010 00:20:30; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41653
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3; 402.5; 16-FEB-2010 11:30:50; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41646
4; 485.8; 16-FEB-2010 11:32:14; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41646
5; 585.2; 16-FEB-2010 11:33:53; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 0;41646
6; 688.2; 16-FEB-2010 11:35:36; Dark ; 51.5; 64; Gam Cen ; 2.20; 10600;occ; 103; 0;41646
7; 929.9; 16-FEB-2010 11:39:38; Dark ; 40.5; 113; Mu Vel ; 2.69; 5000;occ; 81; 0;41646
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5; 5018.7; 16-FEB-2010 12:47:46; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41646

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4; 4331.2; 17-FEB-2010 12:04:42; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41660
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6; 5729.1; 17-FEB-2010 12:28:00; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;41660
7; 5808.6; 17-FEB-2010 12:29:19; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;41660
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9; 6367.5; 17-FEB-2010 12:38:38; Dark ; 46.0; 4; Alp1Cen ; -0.01; 5800;occ; 92; 0;41660
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3; 4070.2; 17-FEB-2010 15:21:33; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41662
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6; 5730.2; 17-FEB-2010 15:49:13; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;41662
7; 5810.4; 17-FEB-2010 15:50:33; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41662
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5; 5028.3; 17-FEB-2010 17:18:07; Dark ; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41663
6; 5731.2; 17-FEB-2010 17:29:50; Dark ; 42.0; 25; 35Lam Sco ; 1.62; 28000;occ; 84; 0;41663
7; 5811.3; 17-FEB-2010 17:31:10; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;41663
8; 6103.7; 17-FEB-2010 17:36:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41663
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11; 6535.2; 17-FEB-2010 17:43:14; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41663
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13; 6737.2; 17-FEB-2010 17:46:36; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41663
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14; 6738.3; 17-FEB-2010 21:07:49; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41665

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5; 423.3; 18-FEB-2010 22:12:09; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41681
6; 512.0; 18-FEB-2010 22:13:37; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;41681
7; 601.1; 18-FEB-2010 22:15:06; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41681
8; 713.8; 18-FEB-2010 22:16:59; Dark ; 50.5; 64; Gam Cen ; 2.20; 10600;occ; 101; 0;41681
9; 944.1; 18-FEB-2010 22:20:49; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41681
10; 1741.6; 18-FEB-2010 22:34:07; Dark ; 48.5; 48; 30Alp Hya ; 1.98; 4100;occ; 97; 0;41681
11; 3540.8; 18-FEB-2010 23:04:06; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41681
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5; 423.9; 18-FEB-2010 23:52:45; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;41682
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7; 601.7; 18-FEB-2010 23:55:43; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;41682
8; 714.5; 18-FEB-2010 23:57:36; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;41682
9; 944.5; 19-FEB-2010 00:01:26; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41682
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12; 4067.3; 19-FEB-2010 00:53:29; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41682
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4; -217.5; 18-FEB-2010 06:56:05; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;41671
5; 71.7; 18-FEB-2010 07:00:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41672
6; 338.5; 18-FEB-2010 07:05:21; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;41672
7; 418.0; 18-FEB-2010 07:06:40; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41672
8; 505.3; 18-FEB-2010 07:08:07; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41672
9; 597.0; 18-FEB-2010 07:09:39; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41672
10; 707.1; 18-FEB-2010 07:11:29; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41672
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3; 4069.2; 18-FEB-2010 08:07:31; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;41672
4; 4332.4; 18-FEB-2010 08:11:54; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41672
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6; 5819.3; 18-FEB-2010 08:36:41; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;41672
7; 6374.8; 18-FEB-2010 08:45:57; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;41672
8; 6454.5; 18-FEB-2010 08:47:17; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41672
9; 6541.9; 18-FEB-2010 08:48:44; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41672
10; 6633.5; 18-FEB-2010 08:50:16; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41672
11; 6743.9; 18-FEB-2010 08:52:06; Dark ; 53.0; 64; Gam Cen ; 2.20; 10600;occ; 106; 0;41672
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3; 4068.8; 18-FEB-2010 09:48:07; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41673
4; 4332.3; 18-FEB-2010 09:52:30; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41673
5; 5737.5; 18-FEB-2010 10:15:55; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41673
6; 5820.1; 18-FEB-2010 10:17:18; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;41673
7; 6108.6; 18-FEB-2010 10:22:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41673
8; 6375.7; 18-FEB-2010 10:26:34; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;41673
9; 6455.1; 18-FEB-2010 10:27:53; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41673
10; 6542.6; 18-FEB-2010 10:29:21; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41673
11; 6634.1; 18-FEB-2010 10:30:52; Dark ; 47.5; 12; Alp1Cru ; 0.77; 30000;occ; 95; 0;41673
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13; 6977.0; 18-FEB-2010 10:36:35; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;41673
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3; 4068.4; 18-FEB-2010 11:28:42; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41674
4; 4332.2; 18-FEB-2010 11:33:06; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41674

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6; 5820.9; 18-FEB-2010 11:57:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;41674
7; 6109.0; 18-FEB-2010 12:02:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41674
8; 6376.3; 18-FEB-2010 12:07:10; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;41674
9; 6455.5; 18-FEB-2010 12:08:29; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41674
10; 6543.3; 18-FEB-2010 12:09:57; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41674
11; 6634.4; 18-FEB-2010 12:11:28; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;41674
12; 6745.4; 18-FEB-2010 12:13:19; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41674
13; 6977.6; 18-FEB-2010 12:17:11; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41674
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3; 4068.4; 18-FEB-2010 13:09:18; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41675
4; 4332.3; 18-FEB-2010 13:13:42; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41675
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6; 5821.9; 18-FEB-2010 13:38:32; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;41675
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9; 6456.2; 18-FEB-2010 13:49:06; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;41675
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11; 6634.9; 18-FEB-2010 13:52:05; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41675
12; 6746.3; 18-FEB-2010 13:53:56; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41675
13; 6978.1; 18-FEB-2010 13:57:48; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;41675
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2; 3542.6; 18-FEB-2010 14:41:08; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41676
3; 4068.4; 18-FEB-2010 14:49:54; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;41676
4; 4332.6; 18-FEB-2010 14:54:18; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41676
5; 5739.4; 18-FEB-2010 15:17:45; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41676
6; 5822.8; 18-FEB-2010 15:19:08; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;41676
7; 6110.1; 18-FEB-2010 15:23:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41676
8; 6377.4; 18-FEB-2010 15:28:23; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41676
9; 6457.0; 18-FEB-2010 15:29:43; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41676
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11; 6635.2; 18-FEB-2010 15:32:41; Dark ; 47.5; 12; Alp1Cru ; 0.77; 30000;occ; 95; 0;41676
12; 6746.8; 18-FEB-2010 15:34:32; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41676
13; 6978.7; 18-FEB-2010 15:38:24; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41676
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3; 4068.3; 18-FEB-2010 16:30:30; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41677
4; 4332.7; 18-FEB-2010 16:34:54; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41677
5; 5740.2; 18-FEB-2010 16:58:22; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41677
6; 5823.6; 18-FEB-2010 16:59:45; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;41677
7; 6111.3; 18-FEB-2010 17:04:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41677
8; 6377.8; 18-FEB-2010 17:08:59; Dark ; 46.0; 4; Alp1Cen ;-0.01; 5800;occ; 92; 0;41677
9; 6457.7; 18-FEB-2010 17:10:19; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41677
10; 6545.8; 18-FEB-2010 17:11:47; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41677
11; 6635.8; 18-FEB-2010 17:13:17; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;41677
12; 6747.6; 18-FEB-2010 17:15:09; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41677
13; 6978.7; 18-FEB-2010 17:19:00; Dark ; 40.5; 113; Mu Vel ; 2.69; 5000;occ; 81; 0;41677
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3; 4067.8; 18-FEB-2010 18:11:05; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;41678
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5; 600.7; 18-FEB-2010 20:34:30; Dark ; 52.0; 12; Alp1Cru ; 0.77; 30000;occ; 104; 0;41680
6; 713.3; 18-FEB-2010 20:36:23; Dark ; 52.5; 64; Gam Cen ; 2.20; 10600;occ; 105; 0;41680
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8; 715.2; 19-FEB-2010 01:38:12; Dark ; 49.5; 64; Gam Cen ; 2.20; 10600;occ; 99; 0;41683
9; 944.8; 19-FEB-2010 01:42:02; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41683
10; 1741.9; 19-FEB-2010 01:55:19; Dark ; 48.5; 48; 30Alp Hya ; 1.98; 4100;occ; 97; 0;41683
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5; -205.8; 19-FEB-2010 04:44:03; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;41684
6; 78.9; 19-FEB-2010 04:48:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41685
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13; 1742.1; 19-FEB-2010 05:16:31; Dark ; 47.5; 48; 30Alp Hya ; 1.98; 4100;occ; 95; 0;41685
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3; 3431.5; 19-FEB-2010 20:50:04; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;41694
4; 3536.8; 19-FEB-2010 20:51:49; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;41694
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4; -196.7; 19-FEB-2010 21:30:12; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41694
5; -27.7; 19-FEB-2010 21:33:01; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;41694
6; 84.1; 19-FEB-2010 21:34:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41695
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10; 723.9; 19-FEB-2010 21:45:32; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41695
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13; 3431.4; 19-FEB-2010 22:30:40; Bright; 52.0; 49; 1Alp UMi ; 1.99; 6300;occ; 104; 0;41695
14; 3536.2; 19-FEB-2010 22:32:25; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41695
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5; 79.4; 19-FEB-2010 06:29:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41686
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11; 946.2; 19-FEB-2010 06:43:51; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41686
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5; 4756.9; 19-FEB-2010 07:47:22; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41686
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14; 6982.7; 19-FEB-2010 08:24:28; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41686
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4; 4333.0; 19-FEB-2010 09:20:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41687
5; 4757.5; 19-FEB-2010 09:27:59; Bright; 36.0; 168; 17Zet Aql ; 2.99; 11000;occ; 72; 0;41687
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7; 5832.7; 19-FEB-2010 09:45:54; Dark ; 61.0; 75; 26Eps Sco ; 2.29; 4250;occ; 122; 0;41687
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3; 4066.4; 19-FEB-2010 10:57:03; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41688
4; 4333.4; 19-FEB-2010 11:01:30; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41688
5; 4757.1; 19-FEB-2010 11:08:34; Bright; 53.0; 168; 17Zet Aql ; 2.99; 11000;occ; 106; 0;41688
6; 5746.8; 19-FEB-2010 11:25:04; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;41688
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11; 6554.2; 19-FEB-2010 11:38:31; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41688
12; 6640.9; 19-FEB-2010 11:39:58; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;41688
13; 6755.6; 19-FEB-2010 11:41:53; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41688
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5; 4757.7; 19-FEB-2010 12:49:10; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41689
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7; 5834.7; 19-FEB-2010 13:07:07; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41689
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9; 6385.2; 19-FEB-2010 13:16:18; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41689
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 5; 4757.9; 19-FEB-2010 14:29:47; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41690  
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 5; 4758.3; 19-FEB-2010 16:10:23; Bright; 52.5; 168; 17Zet Aql ; 2.99; 11000;occ; 105; 0;41691  
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 9; 6244.5; 19-FEB-2010 16:35:09; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;41691  
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3; 2332.1; 26-FEB-2010 08:27:26; Bright; 40.0; 166; 17Eps Leo ; 2.98; 6000;occ; 80; 0;41787  
4; 2846.4; 26-FEB-2010 08:36:01; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;41787  
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6; 3091.6; 26-FEB-2010 08:40:06; Bright; 31.0; 87; 64Gam UMa ; 2.43; 11000;occ; 62; 0;41787  
7; 3506.2; 26-FEB-2010 08:47:00; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41787  
8; 3791.9; 26-FEB-2010 08:51:46; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;41787  
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11; 4339.7; 26-FEB-2010 09:00:54; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;41787  
12; 4784.7; 26-FEB-2010 09:08:19; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;41787  
13; 5113.7; 26-FEB-2010 09:13:48; Dark ; 61.5; 126; 60Bet Oph ; 2.77; 4250;occ; 123; 0;41787  
14; 5513.4; 26-FEB-2010 09:20:28; Dark ; 45.5; 137; 22Lam Sgr ; 2.82; 4400;occ; 91; 0;41787  
15; 5656.5; 26-FEB-2010 09:22:51; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;41787  
16; 5818.0; 26-FEB-2010 09:25:32; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41787  
17; 5932.4; 26-FEB-2010 09:27:27; Dark ; 54.0; 75; 26Eps Sco ; 2.29; 4250;occ; 108; 0;41787  
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24; 6823.4; 26-FEB-2010 09:42:18; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;41787  
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4; 2845.0; 26-FEB-2010 11:57:11; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;41789  
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8; 3791.1; 26-FEB-2010 12:12:57; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;41789  
9; 4047.2; 26-FEB-2010 12:17:13; Bright; 45.5; 130; 23Bet Dra ; 2.80; 5800;occ; 91; 0;41789  
10; 4209.2; 26-FEB-2010 12:19:55; Bright; 35.5; 144; 18Del Cyg ; 2.86; 11000;occ; 71; 0;41789  
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12; 4785.3; 26-FEB-2010 12:29:31; Bright; 56.0; 168; 17Zet Aql ; 2.99; 11000;occ; 112; 0;41789  
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14; 5514.5; 26-FEB-2010 12:41:41; Dark ; 46.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 92; 0;41789  
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21; 6525.2; 26-FEB-2010 12:58:31; Dark ; 40.0; 10; Bet Cen ; 0.61; 28000;occ; 80; 0;41789  
22; 6628.3; 26-FEB-2010 13:00:14; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41789  
23; 6744.8; 26-FEB-2010 13:02:11; Dark ; 55.5; 26; Gam Cru ; 1.62; 2900;occ; 111; 0;41789  
24; 6824.9; 26-FEB-2010 13:03:31; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;41789

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4; 2844.4; 26-FEB-2010 13:37:46; Bright; 48.5; 174; 52Psi UMa ; 3.00; 4400;occ; 97; 0;41790



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6; 3089.2; 26-FEB-2010 13:41:51; Bright; 39.0; 87; 64Gam UMA ; 2.43; 11000;occ; 78; 0;41790
7; 3505.3; 26-FEB-2010 13:48:47; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41790
8; 3790.8; 26-FEB-2010 13:53:33; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;41790
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13; 5116.2; 26-FEB-2010 14:15:38; Dark ; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;41790
14; 5514.9; 26-FEB-2010 14:22:17; Dark ; 48.5; 137; 22Lam Sgr ; 2.82; 4400;occ; 97; 0;41790
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19; 6288.5; 26-FEB-2010 14:35:10; Dark ; 49.5; 131; Gam Lup ; 2.80; 26000;occ; 99; 0;41790
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21; 6526.0; 26-FEB-2010 14:39:08; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;41790
22; 6629.1; 26-FEB-2010 14:40:51; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41790
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4; 2843.7; 26-FEB-2010 15:18:21; Bright; 68.0; 174; 52Psi UMa ; 3.00; 4400;occ; 136; 0;41791
5; 3001.1; 26-FEB-2010 15:20:59; Bright; 41.5; 82; 48Bet UMA ; 2.37; 10600;occ; 83; 0;41791
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17; 5937.1; 26-FEB-2010 16:09:55; Dark ; 63.5; 75; 26Eps Sco ; 2.29; 4250;occ; 127; 0;41791
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23; 6746.0; 26-FEB-2010 16:23:24; Dark ; 50.0; 26; Gam Cru ; 1.62; 2900;occ; 100; 0;41791
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5; 3000.7; 26-FEB-2010 17:01:35; Bright; 62.0; 82; 48Bet UMA ; 2.37; 10600;occ; 124; 0;41792
6; 3087.7; 26-FEB-2010 17:03:02; Bright; 43.0; 87; 64Gam UMA ; 2.43; 11000;occ; 86; 0;41792
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7; 257.4; 26-FEB-2010 21:17:39; Dark ; 51.5; 131; Gam Lup ; 2.80; 26000;occ; 103; 0;41795
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20;	2989.7;	28-FEB-2010	05:54:34;	Bright;	;	41.0;	82;	48Bet UMa	;	2.37;	10600;occ;	82;	0;41814
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7;	4039.0;	28-FEB-2010	21:17:27;	Bright;	;	42.0;	130;	23Bet Dra	;	2.80;	5800;occ;	84;	0;41823
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2;	-358.2;	28-FEB-2010	21:44:46;	Dark	;	45.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	91;	0;41823
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16;	3493.5;	28-FEB-2010	22:48:57;	Bright;	;	38.0;	60;	7Bet UMi	;	2.08;	3950;occ;	76;	0;41824
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