

GOMOS Daily Report 17-FEB-2010

Level 0 and Level 1 products

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

Item	Value
Time of report generation	20FEB2010 04:43:19
Data source version	GOMOS/5.00L04
Start time of products	17FEB2010 00:07:29
Stop time of products	17FEB2010 23:48:54
Store outputs in DB	Yes
Nb of level 1b prods	66
Nb of prods with errors	1

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

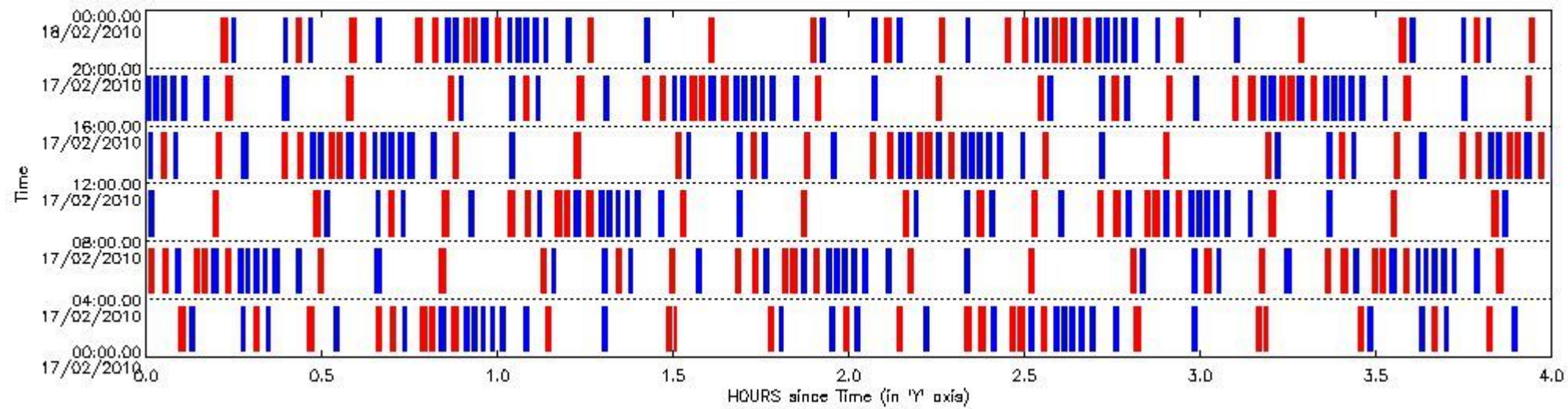
2.1 Level 0 products arrived in PCF (see template [here](#))

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
17-FEB-2010 00:05:38	1AlpUMi	49	41653
17-FEB-2010 00:18:23	18DelCyg	144	41653
17-FEB-2010 00:27:36	17ZetAql	168	41653
17-FEB-2010 00:39:13	22LamSgr	137	41653
17-FEB-2010 00:41:39	20EpsSgr	38	41653
17-FEB-2010 00:46:51	AlpAra	147	41653
17-FEB-2010 00:48:17	BetAra	141	41653
17-FEB-2010 00:52:13	BetTrA	134	41654
17-FEB-2010 01:08:11	LamVel	65	41654
17-FEB-2010 01:28:53	78BetGem	17	41654
17-FEB-2010 01:30:02	66AlpGem	24	41654
17-FEB-2010 01:46:14	1AlpUMi	49	41654
17-FEB-2010 01:58:59	18DelCyg	144	41654
17-FEB-2010 02:08:12	17ZetAql	168	41654
17-FEB-2010 02:19:49	22LamSgr	137	41654

17-FEB-2010 02:22:15	20EpsSgr	38	41654
17-FEB-2010 02:27:28	AlpAra	147	41654
17-FEB-2010 02:28:54	BetAra	141	41654
17-FEB-2010 02:32:50	BetTrA	134	41655
17-FEB-2010 02:48:47	LamVel	65	41655
17-FEB-2010 03:09:29	78BetGem	17	41655
17-FEB-2010 03:10:59	66AlpGem	24	41655
17-FEB-2010 03:26:50	1AlpUMi	49	41655
17-FEB-2010 03:39:35	18DelCyg	144	41655
17-FEB-2010 03:48:49	17ZetAql	168	41655
17-FEB-2010 04:00:25	22LamSgr	137	41655
17-FEB-2010 04:02:52	20EpsSgr	38	41655
17-FEB-2010 04:08:04	AlpAra	147	41655
17-FEB-2010 04:09:30	BetAra	141	41655
17-FEB-2010 04:13:26	BetTrA	134	41656
17-FEB-2010 04:29:23	LamVel	65	41656
17-FEB-2010 04:50:06	78BetGem	17	41656
17-FEB-2010 05:07:26	1AlpUMi	49	41656
17-FEB-2010 05:20:11	18DelCyg	144	41656
17-FEB-2010 05:29:25	17ZetAql	168	41656
17-FEB-2010 05:40:39	34SigSgr	57	41656
17-FEB-2010 05:43:28	20EpsSgr	38	41656
17-FEB-2010 05:48:41	AlpAra	147	41656
17-FEB-2010 05:50:06	BetAra	141	41656
17-FEB-2010 05:54:03	BetTrA	134	41657
17-FEB-2010 06:09:59	LamVel	65	41657
17-FEB-2010 06:30:42	78BetGem	17	41657
17-FEB-2010 06:48:02	1AlpUMi	49	41657
17-FEB-2010 07:00:47	18DelCyg	144	41657
17-FEB-2010 07:10:01	17ZetAql	168	41657
17-FEB-2010 07:21:16	34SigSgr	57	41657
17-FEB-2010 07:24:04	20EpsSgr	38	41657
17-FEB-2010 07:29:17	AlpAra	147	41657
17-FEB-2010 07:30:43	BetAra	141	41657
17-FEB-2010 07:34:39	BetTrA	134	41658
17-FEB-2010 07:50:36	LamVel	65	41658
17-FEB-2010 08:11:18	78BetGem	17	41658
17-FEB-2010 08:28:38	1AlpUMi	49	41658
17-FEB-2010 08:41:23	18DelCyg	144	41658
17-FEB-2010 08:50:37	17ZetAql	168	41658
17-FEB-2010 09:01:52	34SigSgr	57	41658
17-FEB-2010 09:04:41	20EpsSgr	38	41658
17-FEB-2010 09:09:53	AlpAra	147	41658
17-FEB-2010 09:11:19	BetAra	141	41658
17-FEB-2010 09:15:15	BetTrA	134	41659
17-FEB-2010 09:31:12	LamVel	65	41659
17-FEB-2010 09:51:54	78BetGem	17	41659
17-FEB-2010 10:09:14	1AlpUMi	49	41659
17-FEB-2010 10:21:59	18DelCyg	144	41659
17-FEB-2010 10:31:13	17ZetAql	168	41659
17-FEB-2010 10:42:28	34SigSgr	57	41659
17-FEB-2010 10:45:17	20EpsSgr	38	41659
17-FEB-2010 10:50:30	AlpAra	147	41659
17-FEB-2010 10:51:55	BetAra	141	41659
17-FEB-2010 10:55:52	BetTrA	134	41660
17-FEB-2010 11:11:48	LamVel	65	41660
17-FEB-2010 11:32:30	78BetGem	17	41660
17-FEB-2010 11:49:50	1AlpUMi	49	41660
17-FEB-2010 12:02:35	18DelCyg	144	41660

17-FEB-2010 12:11:49	17ZetAql	168	41660
17-FEB-2010 12:23:04	34SigSgr	57	41660
17-FEB-2010 12:25:53	20EpsSgr	38	41660
17-FEB-2010 12:31:06	AlpAra	147	41660
17-FEB-2010 12:32:32	BetAra	141	41660
17-FEB-2010 12:36:28	BetTrA	134	41661
17-FEB-2010 12:52:24	LamVel	65	41661
17-FEB-2010 13:13:06	78BetGem	17	41661
17-FEB-2010 13:30:26	1AlpUMi	49	41661
17-FEB-2010 13:43:11	18DelCyg	144	41661
17-FEB-2010 13:52:26	17ZetAql	168	41661
17-FEB-2010 14:03:41	34SigSgr	57	41661
17-FEB-2010 14:06:30	20EpsSgr	38	41661
17-FEB-2010 14:11:43	AlpAra	147	41661
17-FEB-2010 14:13:08	BetAra	141	41661
17-FEB-2010 14:17:05	BetTrA	134	41662
17-FEB-2010 14:33:00	LamVel	65	41662
17-FEB-2010 14:53:42	78BetGem	17	41662
17-FEB-2010 15:11:02	1AlpUMi	49	41662
17-FEB-2010 15:23:47	18DelCyg	144	41662
17-FEB-2010 15:33:02	17ZetAql	168	41662
17-FEB-2010 15:44:17	34SigSgr	57	41662
17-FEB-2010 15:47:06	20EpsSgr	38	41662
17-FEB-2010 15:52:19	AlpAra	147	41662
17-FEB-2010 15:53:44	BetAra	141	41662
17-FEB-2010 15:57:41	BetTrA	134	41663
17-FEB-2010 16:13:36	LamVel	65	41663
17-FEB-2010 16:34:18	78BetGem	17	41663
17-FEB-2010 16:51:38	1AlpUMi	49	41663
17-FEB-2010 17:04:23	18DelCyg	144	41663
17-FEB-2010 17:13:38	17ZetAql	168	41663
17-FEB-2010 17:24:53	34SigSgr	57	41663
17-FEB-2010 17:27:42	20EpsSgr	38	41663
17-FEB-2010 17:32:56	AlpAra	147	41663
17-FEB-2010 17:34:21	BetAra	141	41663
17-FEB-2010 17:38:17	BetTrA	134	41664
17-FEB-2010 17:54:13	LamVel	65	41664
17-FEB-2010 18:14:54	78BetGem	17	41664
17-FEB-2010 18:32:14	1AlpUMi	49	41664
17-FEB-2010 18:44:59	18DelCyg	144	41664
17-FEB-2010 18:54:14	17ZetAql	168	41664
17-FEB-2010 19:05:29	34SigSgr	57	41664
17-FEB-2010 19:08:19	20EpsSgr	38	41664
17-FEB-2010 19:13:32	AlpAra	147	41664
17-FEB-2010 19:14:57	BetAra	141	41664
17-FEB-2010 19:18:54	BetTrA	134	41665
17-FEB-2010 19:34:49	LamVel	65	41665
17-FEB-2010 19:55:30	78BetGem	17	41665
17-FEB-2010 20:12:50	1AlpUMi	49	41665
17-FEB-2010 20:25:35	18DelCyg	144	41665
17-FEB-2010 20:34:50	17ZetAql	168	41665
17-FEB-2010 20:46:06	34SigSgr	57	41665
17-FEB-2010 20:48:55	20EpsSgr	38	41665
17-FEB-2010 20:54:08	AlpAra	147	41665
17-FEB-2010 20:55:33	BetAra	141	41665
17-FEB-2010 20:59:30	BetTrA	134	41666
17-FEB-2010 21:15:25	LamVel	65	41666
17-FEB-2010 21:36:06	78BetGem	17	41666
17-FEB-2010 21:53:25	1AlpUMi	49	41666

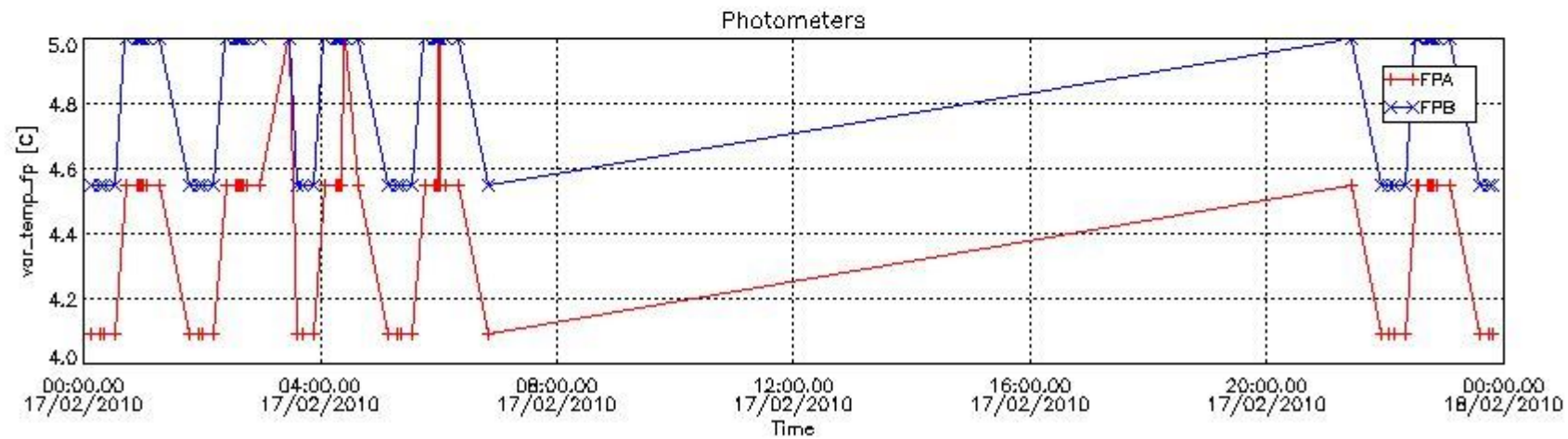
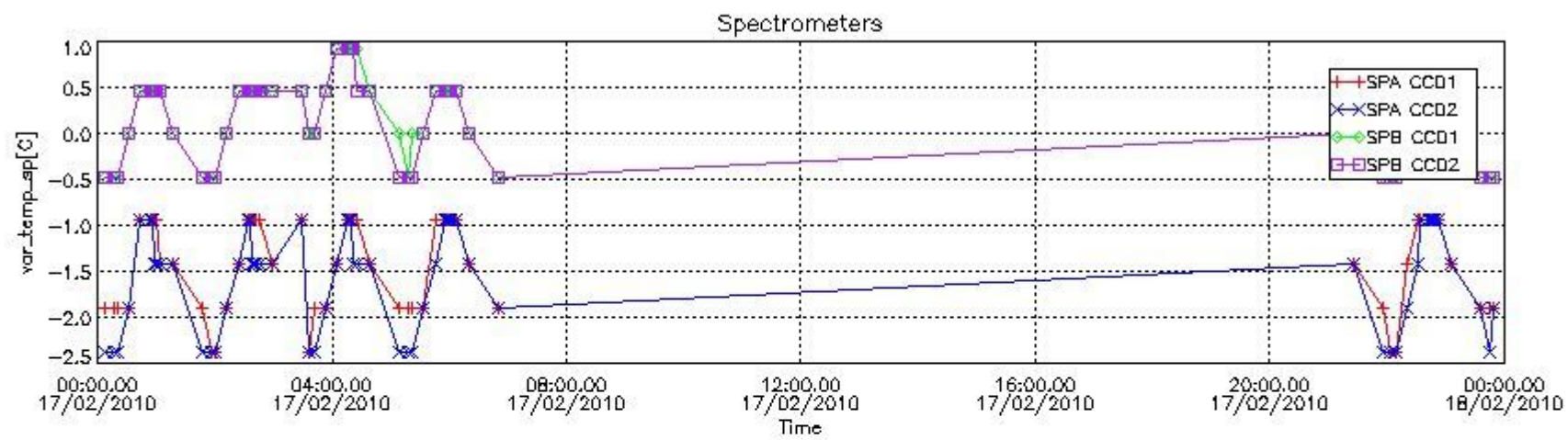
17-FEB-2010 22:06:11	18DelCyg	144	41666
17-FEB-2010 22:15:26	17ZetAql	168	41666
17-FEB-2010 22:26:42	34SigSgr	57	41666
17-FEB-2010 22:29:31	20EpsSgr	38	41666
17-FEB-2010 22:34:45	AlpAra	147	41666
17-FEB-2010 22:36:10	BetAra	141	41666
17-FEB-2010 22:40:07	BetTrA	134	41667
17-FEB-2010 22:56:01	LamVel	65	41667
17-FEB-2010 23:16:42	78BetGem	17	41667
17-FEB-2010 23:34:01	1AlpUMi	49	41667
17-FEB-2010 23:46:47	18DelCyg	144	41667
17-FEB-2010 23:56:03	17ZetAql	168	41667

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_1PNPDE20100217_000729_000000432087_00016_41653_9607.N1	17-FEB-2010 00:07:29	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41653	No
2	GOM_TRA_1PNPDE20100217_001611_000000432087_00016_41653_9608.N1	17-FEB-2010 00:16:11	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41653	No
3	GOM_TRA_1PNPDE20100217_002030_000000362087_00016_41653_9609.N1	17-FEB-2010 00:20:30	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41653	No
4	GOM_TRA_1PNPDE20100217_003201_000000512087_00016_41653_9610.N1	17-FEB-2010 00:32:01	Twilight	51.000	126	60Bet Oph	2.7700	4250.0	102	41653	No
5	GOM_TRA_1PNPDE20100217_004344_000000442087_00016_41653_9621.N1	17-FEB-2010 00:43:44	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	41653	No
6	GOM_TRA_1PNPDE20100217_005423_000000452087_00017_41654_9622.N1	17-FEB-2010 00:54:23	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	41654	No
7	GOM_TRA_1PNPDE20100217_005542_000000462087_00017_41654_9623.N1	17-FEB-2010 00:55:42	Dark	45.500	10	Bet Cen	0.610000	28000.	91	41654	No
8	GOM_TRA_1PNPDE20100217_005706_000000442087_00017_41654_9624.N1	17-FEB-2010 00:57:06	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41654	No
9	GOM_TRA_1PNPDE20100217_005843_000000472087_00017_41654_9625.N1	17-FEB-2010 00:58:43	Dark	46.500	12	Alp1Cru	0.775000	30000.	93	41654	No
10	GOM_TRA_1PNPDE20100217_010028_000000522087_00017_41654_9626.N1	17-FEB-2010 01:00:28	Dark	51.500	64	Gam Cen	2.2000	10600.	103	41654	No
11	GOM_TRA_1PNPDE20100217_010427_000000472087_00017_41654_9627.N1	17-FEB-2010 01:04:27	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	41654	No
12	GOM_TRA_1PNPDE20100217_011755_000000502087_00017_41654_9628.N1	17-FEB-2010 01:17:55	Straylight	50.000	48	30Alp Hya	1.9770	4100.0	100	41654	No
13	GOM_TRA_1PNPDE20100217_014804_000000422087_00017_41654_9629.N1	17-FEB-2010 01:48:04	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41654	No
14	GOM_TRA_1PNPDE20100217_015647_000000422087_00017_41654_9630.N1	17-FEB-2010 01:56:47	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	41654	No
15	GOM_TRA_1PNPDE20100217_020106_000000382087_00017_41654_9631.N1	17-FEB-2010 02:01:06	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	41654	No
16	GOM_TRA_1PNPDE20100217_021238_000000512087_00017_41654_9632.N1	17-FEB-2010 02:12:38	Twilight	51.000	126	60Bet Oph	2.7700	4250.0	102	41654	No
17	GOM_TRA_1PNPDE20100217_022420_000000482087_00017_41654_9643.N1	17-FEB-2010 02:24:20	Dark	48.000	25	35Lam Sco	1.6200	28000.	96	41654	No
18	GOM_TRA_1PNPDE20100217_023459_000000432087_00018_41655_9644.N1	17-FEB-2010 02:34:59	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41655	No
19	GOM_TRA_1PNPDE20100217_023618_000000522087_00018_41655_9645.N1	17-FEB-2010 02:36:18	Dark	51.500	10	Bet Cen	0.610000	28000.	103	41655	No
20	GOM_TRA_1PNPDE20100217_023743_000000442087_00018_41655_9646.N1	17-FEB-2010 02:37:43	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41655	No
21	GOM_TRA_1PNPDE20100217_023920_000000502087_00018_41655_9647.N1	17-FEB-2010 02:39:20	Dark	49.500	12	Alp1Cru	0.775000	30000.	99	41655	No
22	GOM_TRA_1PNPDE20100217_024105_000000462087_00018_41655_9648.N1	17-FEB-2010 02:41:05	Dark	46.000	64	Gam Cen	2.2000	10600.	92	41655	No
23	GOM_TRA_1PNPDE20100217_024504_000000492087_00018_41655_9649.N1	17-FEB-2010 02:45:04	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	41655	No
24	GOM_TRA_1PNPDE20100217_025831_000000502087_00018_41655_9650.N1	17-FEB-2010 02:58:31	Straylight	49.500	48	30Alp Hya	1.9770	4100.0	99	41655	No
25	GOM_TRA_1PNPDE20100217_032840_000000422087_00018_41655_9669.N1	17-FEB-2010 03:28:40	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41655	Yes
26	GOM_TRA_1PNPDE20100217_033722_000000502087_00018_41655_9670.N1	17-FEB-2010 03:37:22	Bright	50.000	130	23Bet Dra	2.7990	5800.0	100	41655	No
27	GOM_TRA_1PNPDE20100217_034142_000000362087_00018_41655_9671.N1	17-FEB-2010 03:41:42	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41655	No
28	GOM_TRA_1PNPDE20100217_035314_000000492087_00018_41655_9672.N1	17-FEB-2010 03:53:14	Twilight	49.000	126	60Bet Oph	2.7700	4250.0	98	41655	No
29	GOM_TRA_1PNPDE20100217_040457_000000462087_00018_41655_9673.N1	17-FEB-2010 04:04:57	Dark	45.500	25	35Lam Sco	1.6200	28000.	91	41655	No
30	GOM_TRA_1PNPDE20100217_041536_000000492087_00019_41656_9674.N1	17-FEB-2010 04:15:36	Dark	49.000	4	Alp1Cen	-0.010000	5800.0	98	41656	No
31	GOM_TRA_1PNPDE20100217_041655_000000422087_00019_41656_9675.N1	17-FEB-2010 04:16:55	Dark	42.000	10	Bet Cen	0.610000	28000.	84	41656	No
32	GOM_TRA_1PNPDE20100217_041820_000000442087_00019_41656_9676.N1	17-FEB-2010 04:18:20	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41656	No
33	GOM_TRA_1PNPDE20100217_041956_000000412087_00019_41656_9677.N1	17-FEB-2010 04:19:56	Dark	40.500	12	Alp1Cru	0.775000	30000.	81	41656	No
34	GOM_TRA_1PNPDE20100217_042142_000000502087_00019_41656_9678.N1	17-FEB-2010 04:21:42	Dark	50.000	64	Gam Cen	2.2000	10600.	100	41656	No
35	GOM_TRA_1PNPDE20100217_042540_000000462087_00019_41656_9679.N1	17-FEB-2010 04:25:40	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	41656	No
36	GOM_TRA_1PNPDE20100217_043907_000000522087_00019_41656_9680.N1	17-FEB-2010 04:39:07	Straylight	52.000	48	30Alp Hya	1.9770	4100.0	104	41656	No
37	GOM_TRA_1PNPDE20100217_050916_000000372087_00019_41656_9681.N1	17-FEB-2010 05:09:16	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41656	No
38	GOM_TRA_1PNPDE20100217_051758_000000432087_00019_41656_9690.N1	17-FEB-2010 05:17:58	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41656	No
39	GOM_TRA_1PNPDE20100217_052218_000000412087_00019_41656_9691.N1	17-FEB-2010 05:22:18	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	41656	No
40	GOM_TRA_1PNPDE20100217_053351_000000512087_00019_41656_9692.N1	17-FEB-2010 05:33:51	Twilight	50.500	126	60Bet Oph	2.7700	4250.0	101	41656	No
41	GOM_TRA_1PNPDE20100217_054534_000000452087_00019_41656_9693.N1	17-FEB-2010 05:45:34	Dark	44.500	25	35Lam Sco	1.6200	28000.	89	41656	No
42	GOM_TRA_1PNPDE20100217_055612_000000432087_00020_41657_9694.N1	17-FEB-2010 05:56:12	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41657	No

43	GOM_TRA_1PNPDE20100217_055731_000000442087_00020_41657_9695.N1	17-FEB-2010 05:57:31	Dark	43.500	10	Bet Cen	0.61000	28000.	87	41657	No
44	GOM_TRA_1PNPDE20100217_055856_000000452087_00020_41657_9696.N1	17-FEB-2010 05:58:56	Dark	45.000	77	Eps Cen	2.3030	28000.	90	41657	No
45	GOM_TRA_1PNPDE20100217_060032_000000462087_00020_41657_9697.N1	17-FEB-2010 06:00:32	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	41657	No
46	GOM_TRA_1PNPDE20100217_060218_000000472087_00020_41657_9698.N1	17-FEB-2010 06:02:18	Dark	46.500	64	Gam Cen	2.2000	10600.	93	41657	No
47	GOM_TRA_1PNPDE20100217_060617_000000462087_00020_41657_9699.N1	17-FEB-2010 06:06:17	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	41657	No
48	GOM_TRA_1PNPDE20100217_061943_000000522087_00020_41657_9700.N1	17-FEB-2010 06:19:43	Straylight	52.000	48	30Alp Hya	1.9770	4100.0	104	41657	No
49	GOM_TRA_1PNPDE20100217_064951_000000382087_00020_41657_9701.N1	17-FEB-2010 06:49:51	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	41657	No
50	GOM_TRA_1PNPDE20100217_212508_000000482087_00029_41666_9781.N1	17-FEB-2010 21:25:08	Straylight	47.500	48	30Alp Hya	1.9770	4100.0	95	41666	No
51	GOM_TRA_1PNPDE20100217_215512_000000422087_00029_41666_9782.N1	17-FEB-2010 21:55:12	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41666	No
52	GOM_TRA_1PNPDE20100217_220356_000000442087_00029_41666_9783.N1	17-FEB-2010 22:03:56	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	41666	No
53	GOM_TRA_1PNPDE20100217_220818_000000382087_00029_41666_9784.N1	17-FEB-2010 22:08:18	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	41666	No
54	GOM_TRA_1PNPDE20100217_221956_000000402087_00029_41666_9785.N1	17-FEB-2010 22:19:56	Twilight_stray	39.500	126	60Bet Oph	2.7700	4250.0	79	41666	No
55	GOM_TRA_1PNPDE20100217_223139_000000442087_00029_41666_9800.N1	17-FEB-2010 22:31:39	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	41666	No
56	GOM_TRA_1PNPDE20100217_223300_000000492087_00029_41666_9801.N1	17-FEB-2010 22:33:00	Dark	48.500	75	26Eps Sco	2.2910	4250.0	97	41666	No
57	GOM_TRA_1PNPDE20100217_224218_000000442087_00030_41667_9802.N1	17-FEB-2010 22:42:18	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	41667	No
58	GOM_TRA_1PNPDE20100217_224337_000000442087_00030_41667_9803.N1	17-FEB-2010 22:43:37	Dark	43.500	10	Bet Cen	0.61000	28000.	87	41667	No
59	GOM_TRA_1PNPDE20100217_224504_000000442087_00030_41667_9804.N1	17-FEB-2010 22:45:04	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41667	No
60	GOM_TRA_1PNPDE20100217_224637_000000402087_00030_41667_9805.N1	17-FEB-2010 22:46:37	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41667	No
61	GOM_TRA_1PNPDE20100217_224826_000000462087_00030_41667_9806.N1	17-FEB-2010 22:48:26	Dark	45.500	64	Gam Cen	2.2000	10600.	91	41667	No
62	GOM_TRA_1PNPDE20100217_225220_000000412087_00030_41667_9807.N1	17-FEB-2010 22:52:20	Dark	41.000	113	Mu Vel	2.6920	5000.0	82	41667	No
63	GOM_TRA_1PNPDE20100217_230543_000000472087_00030_41667_9808.N1	17-FEB-2010 23:05:43	Straylight	46.500	48	30Alp Hya	1.9770	4100.0	93	41667	No
64	GOM_TRA_1PNPDE20100217_233548_000000422087_00030_41667_9809.N1	17-FEB-2010 23:35:48	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41667	No
65	GOM_TRA_1PNPDE20100217_234432_000000432087_00030_41667_9810.N1	17-FEB-2010 23:44:32	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41667	No
66	GOM_TRA_1PNPDE20100217_234854_000000392087_00030_41667_9811.N1	17-FEB-2010 23:48:54	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	41667	No

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



4. Overview of dark signal processing per product

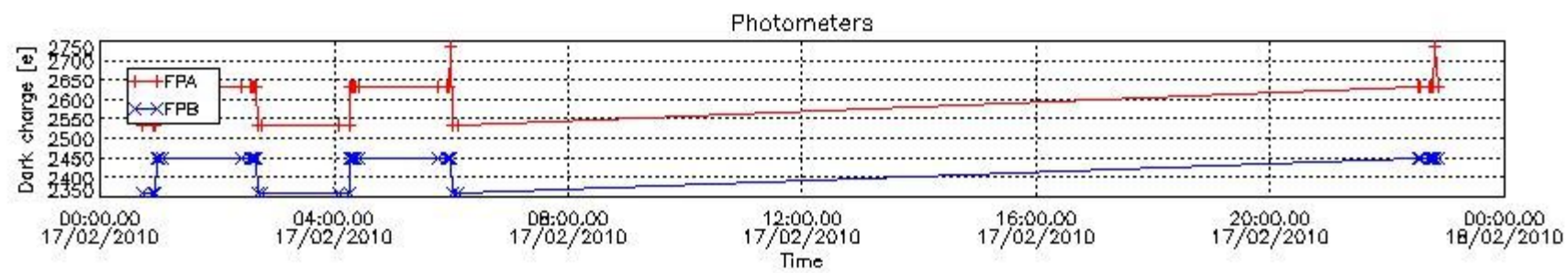
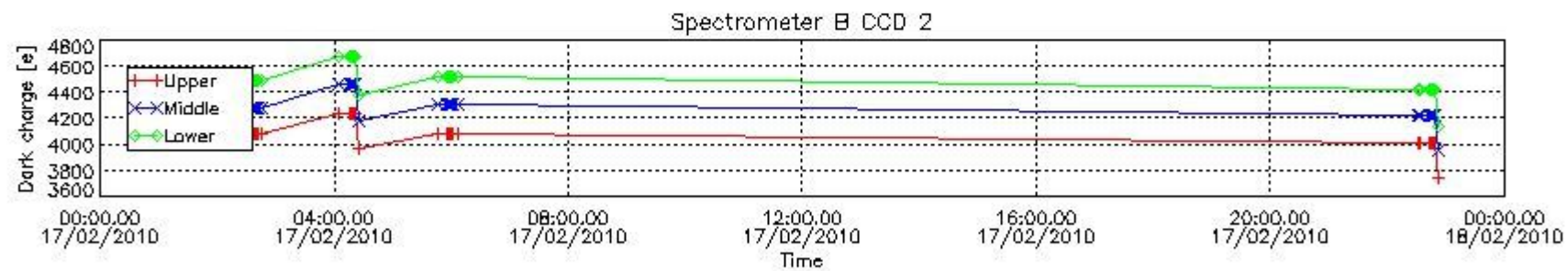
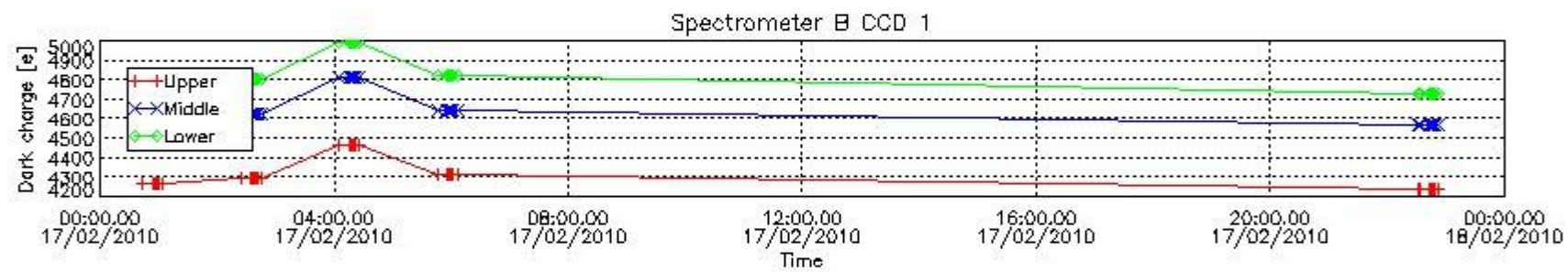
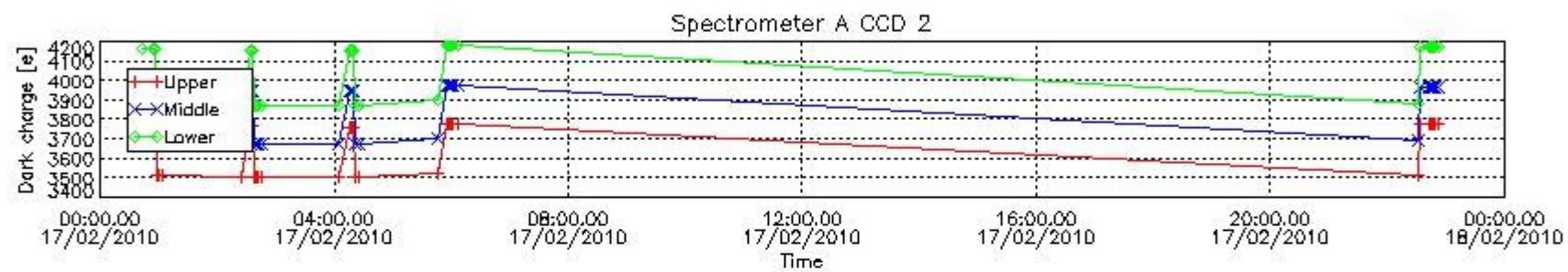
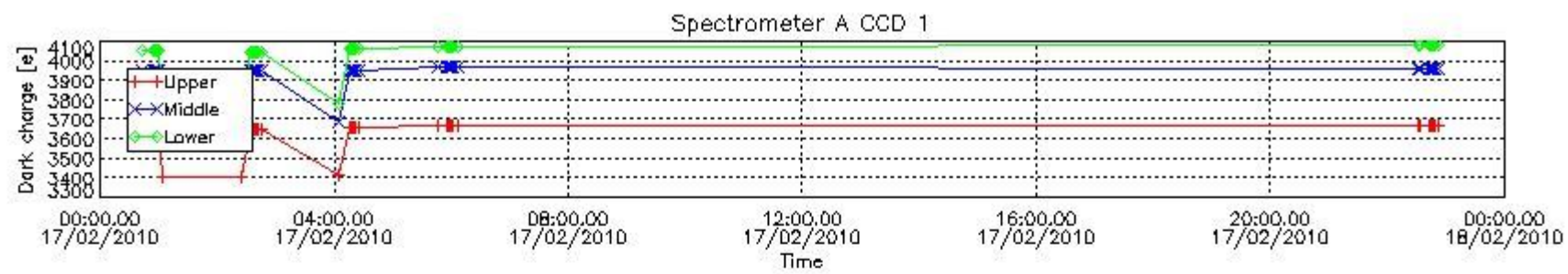
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100217_212508_000000482087_00029_41666_9781.N1	DC map used
GOM_TRA_1PNPDE20100217_215512_000000422087_00029_41666_9782.N1	DC map used
GOM_TRA_1PNPDE20100217_220356_000000442087_00029_41666_9783.N1	DC map used
GOM_TRA_1PNPDE20100217_220818_000000382087_00029_41666_9784.N1	DC map used
GOM_TRA_1PNPDE20100217_221956_000000402087_00029_41666_9785.N1	DC map used

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



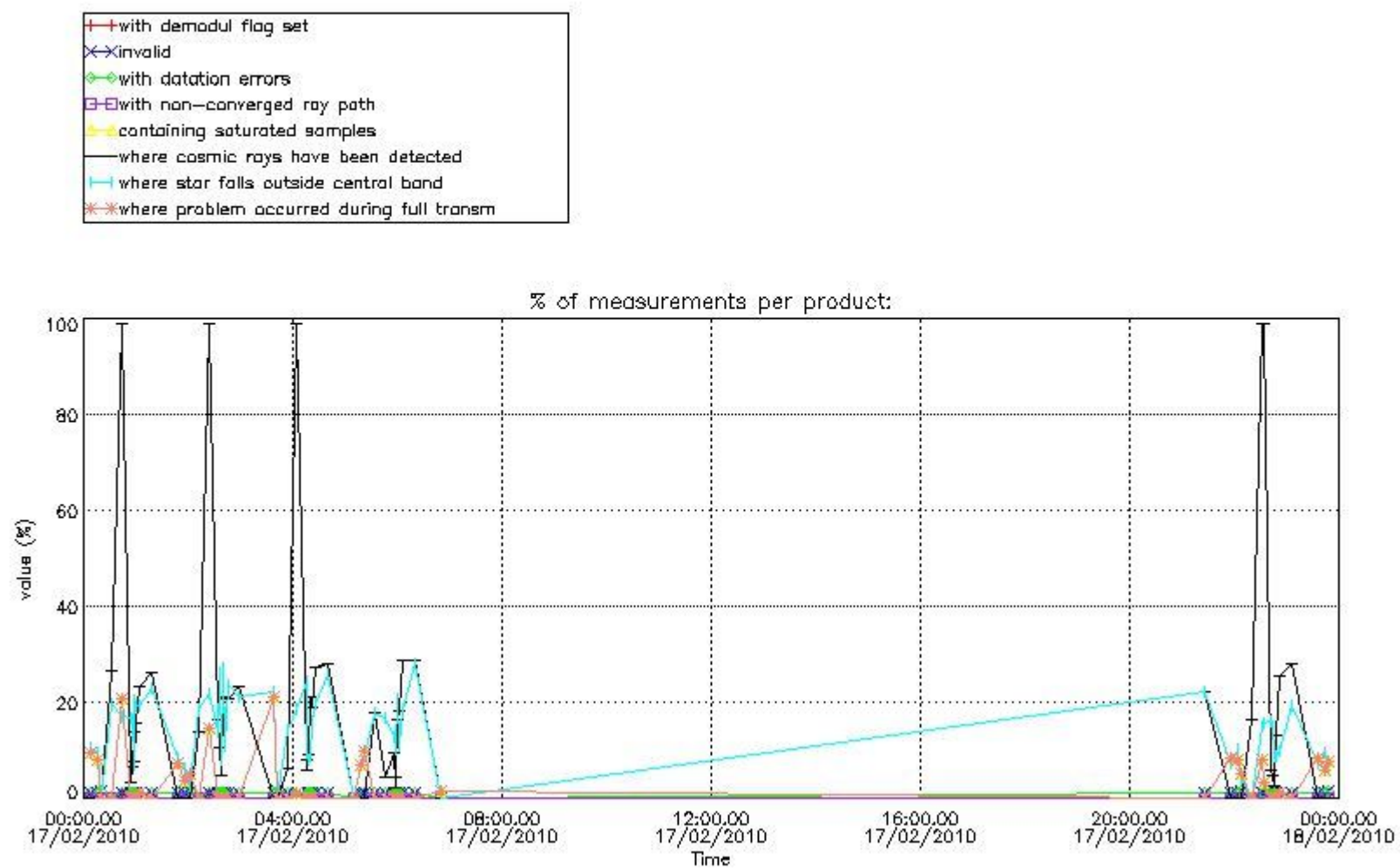
5. Demodulation flag and quality information monitoring

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.

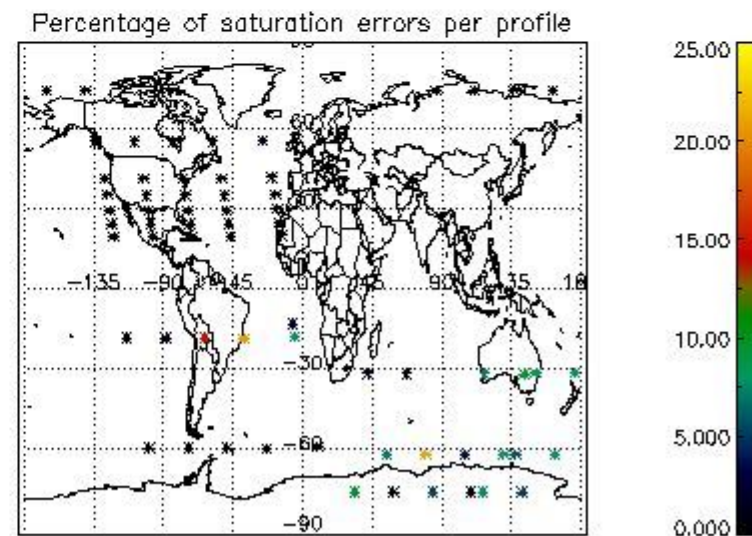
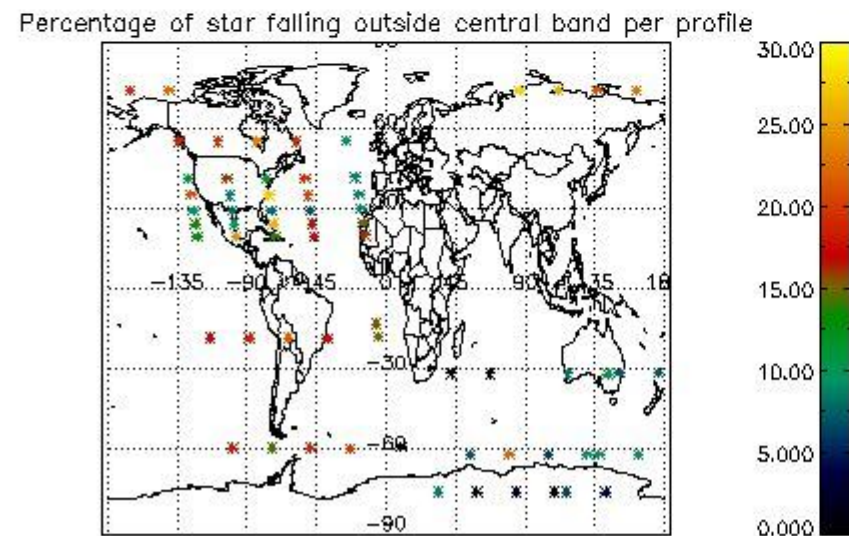
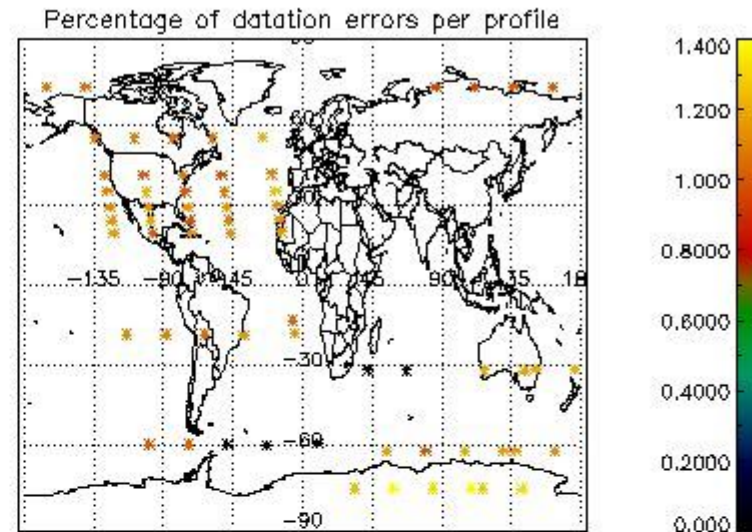
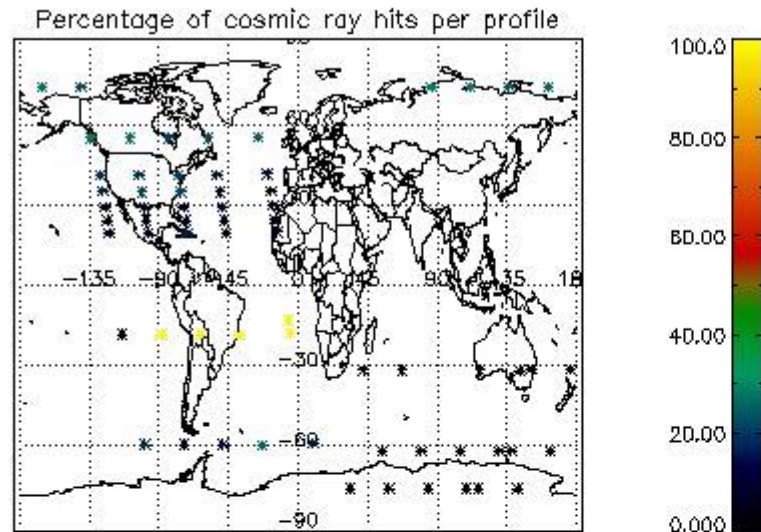
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	33.8462 %
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)



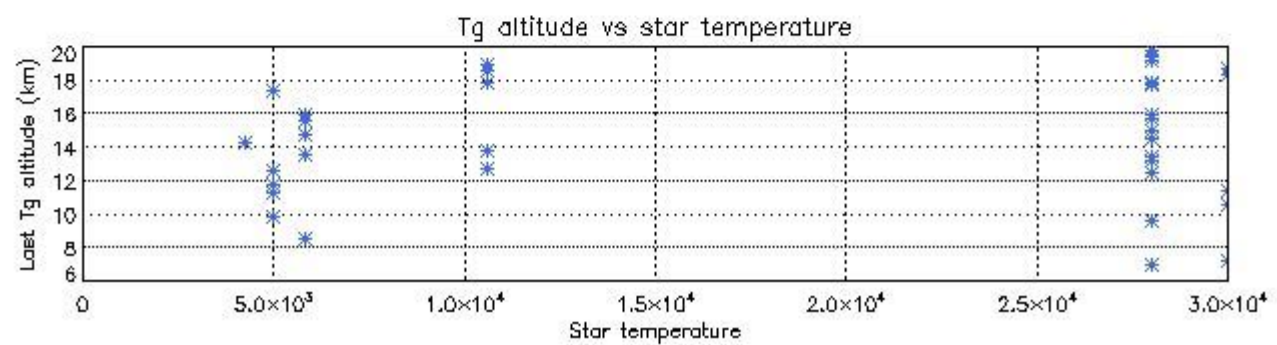
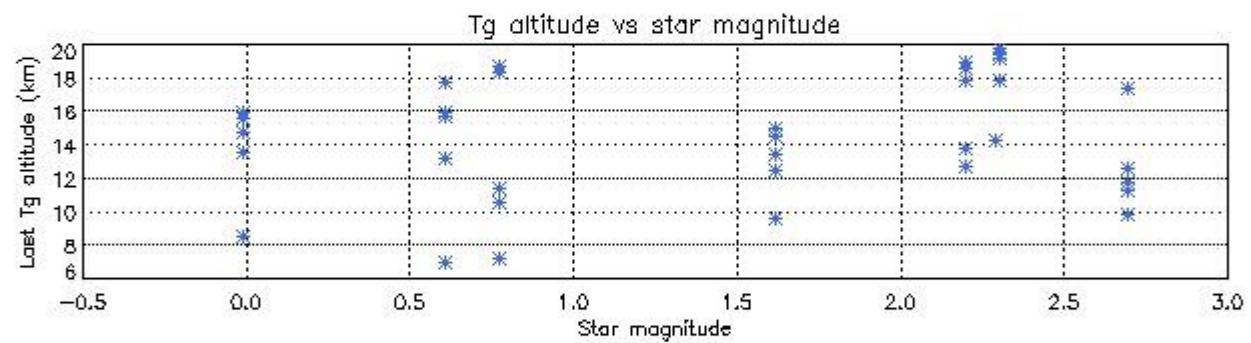
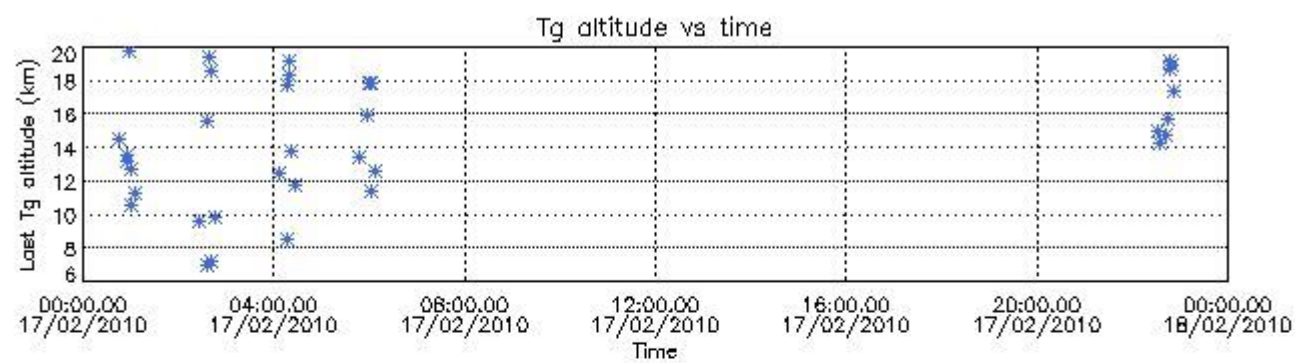
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.529	20.085	NaN
St. deviation:	3.6257	3.7963	NaN
Maximum:	19.774	27.550	NaN
Minimum:	6.9926	11.273	NaN
Number of data:	36.000	18.000	NaN

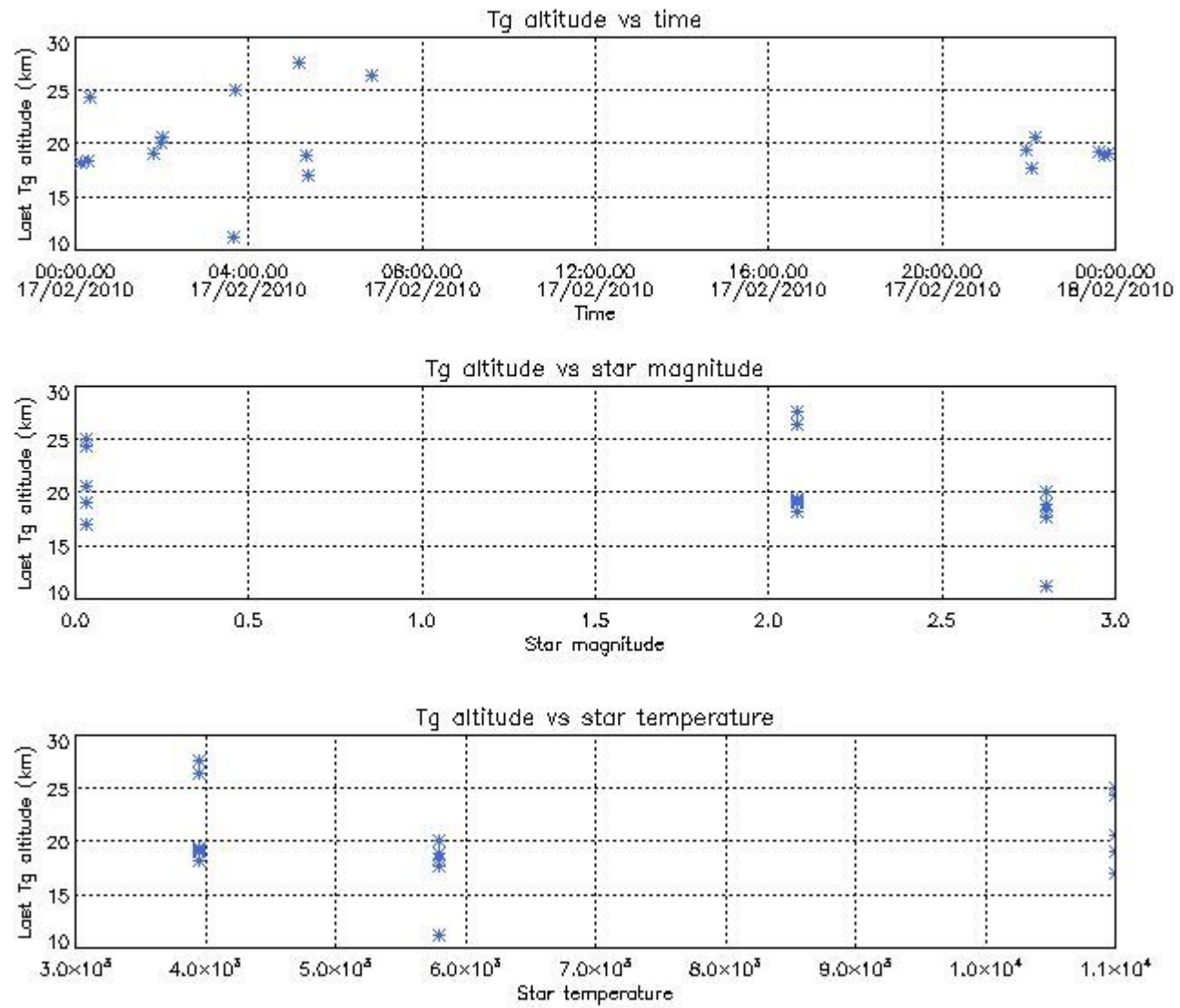
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

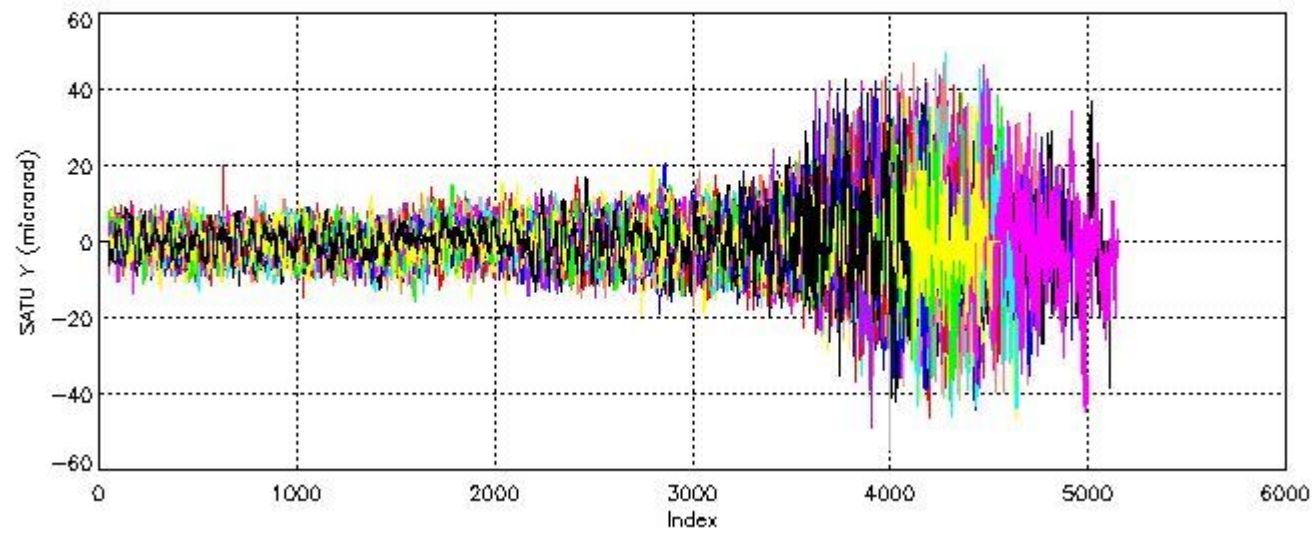
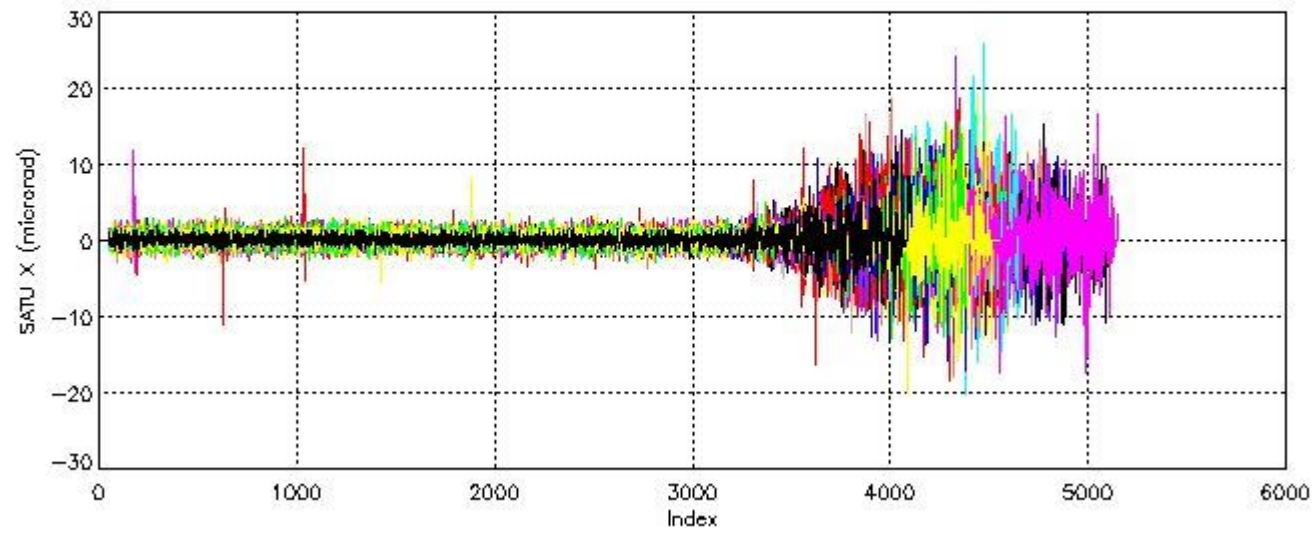


7. Star Acquisition and Tracking Unit (SATU)

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:	0.16170	0.0093796	0.14416	-0.46259
St. deviation:	0.46462	3.1185	0.42588	3.0694
Maximum:	11.800	19.800	3.6000	12.000
Minimum:	-11.100	-13.800	-3.7000	-15.400

Number of data:	35050.	35050.	16650.	16650.
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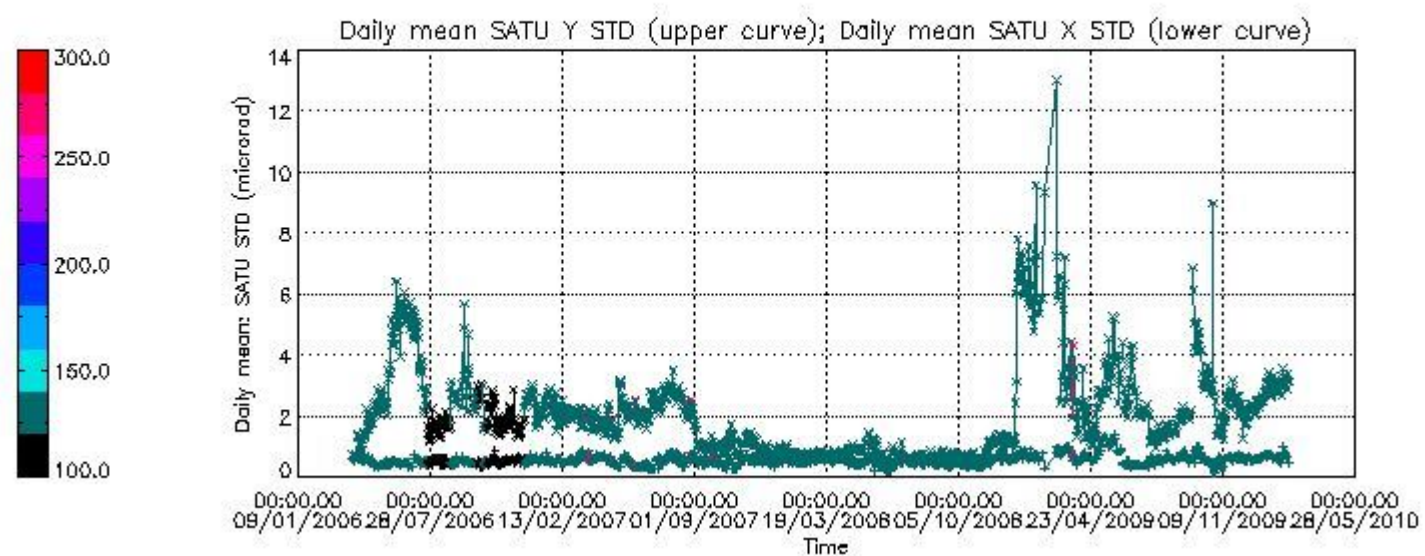
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

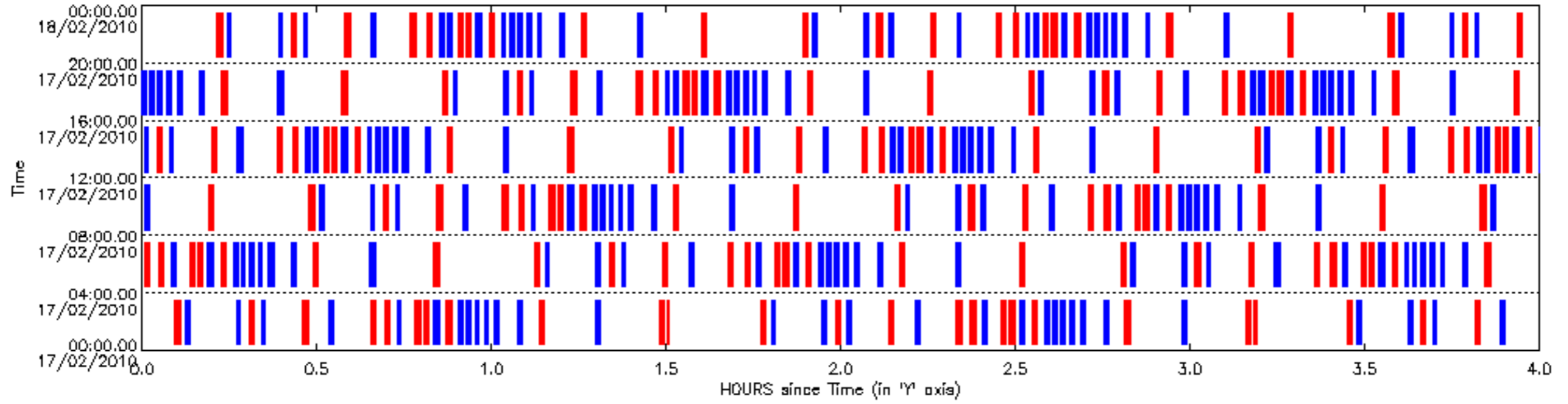
Lower curve: STD of SATU X axis

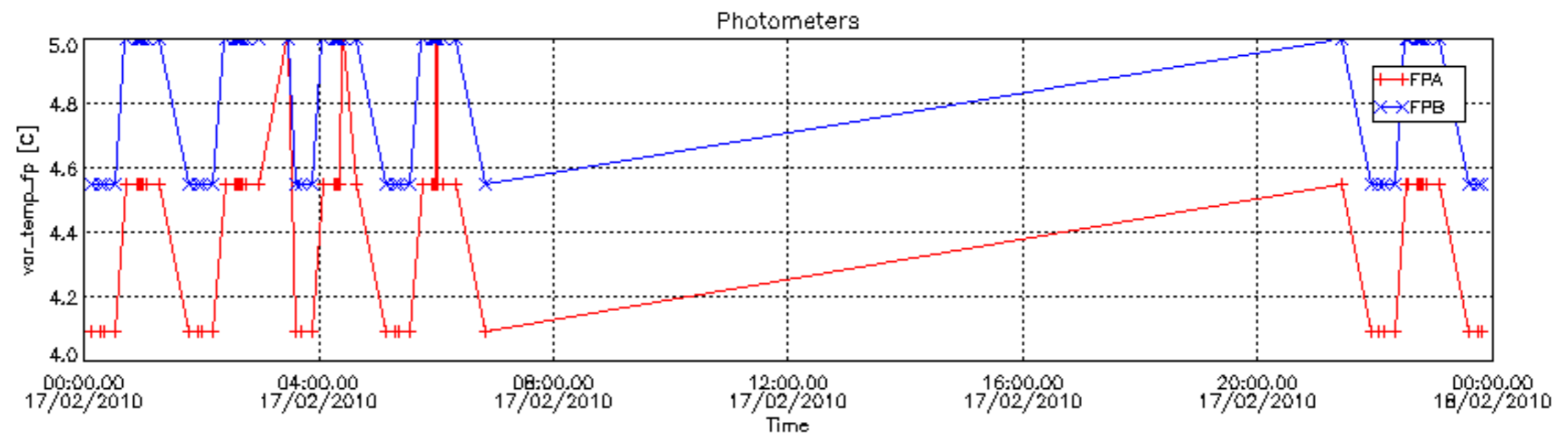
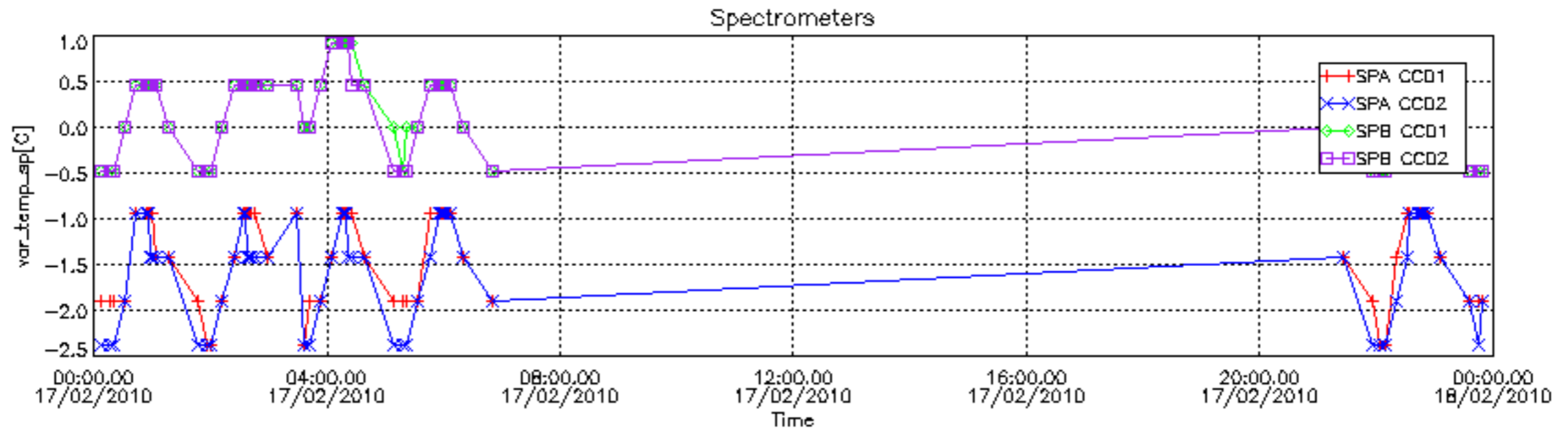


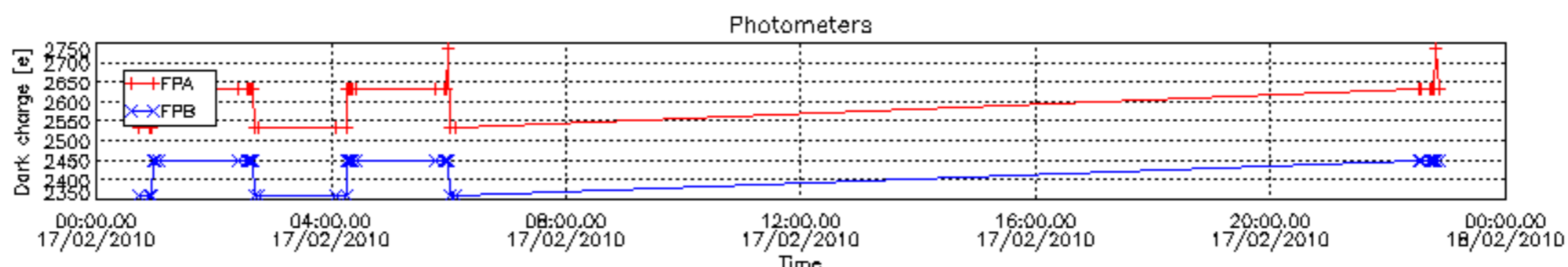
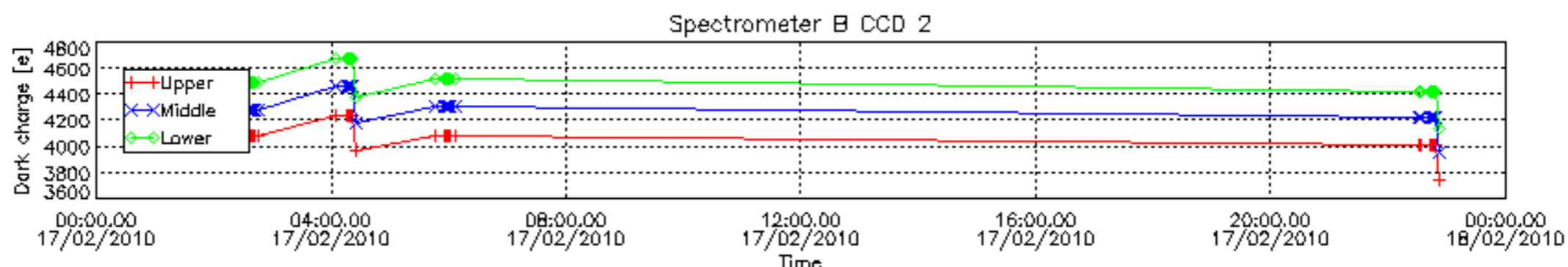
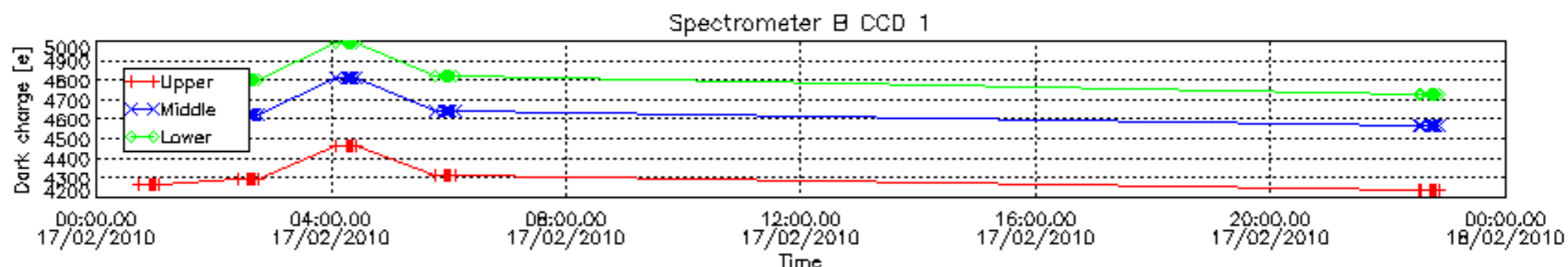
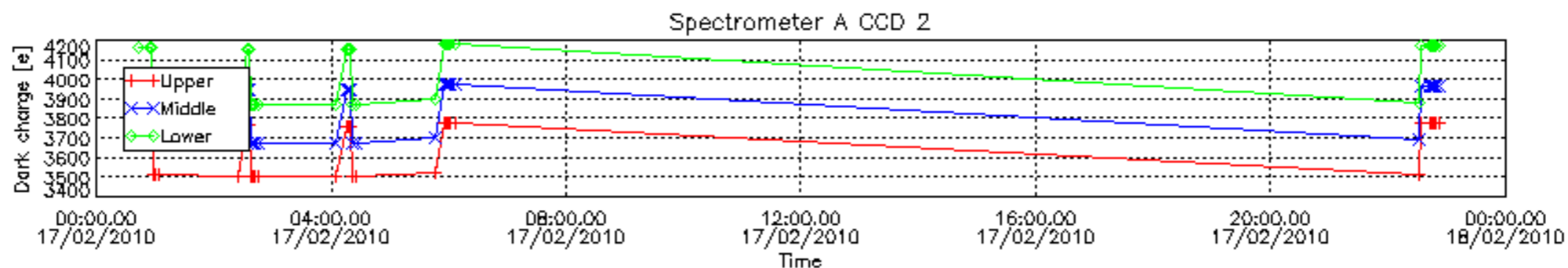
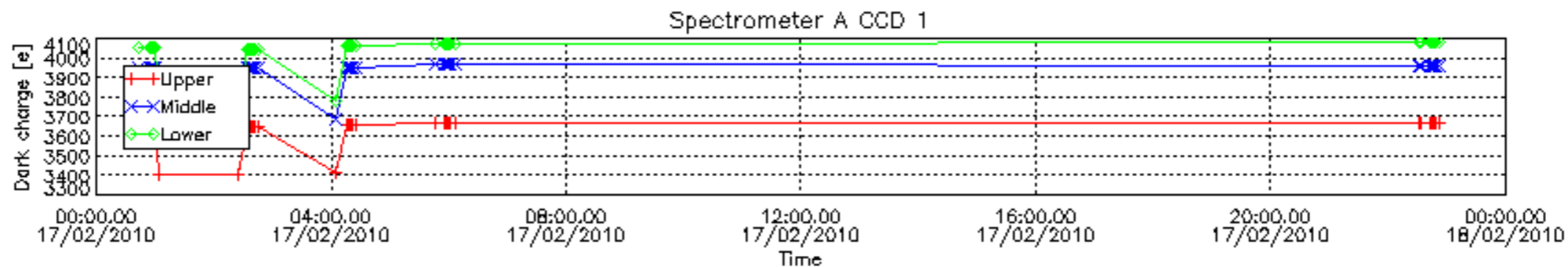
8. Auxiliary Data Files used for the production reported in section 2.4

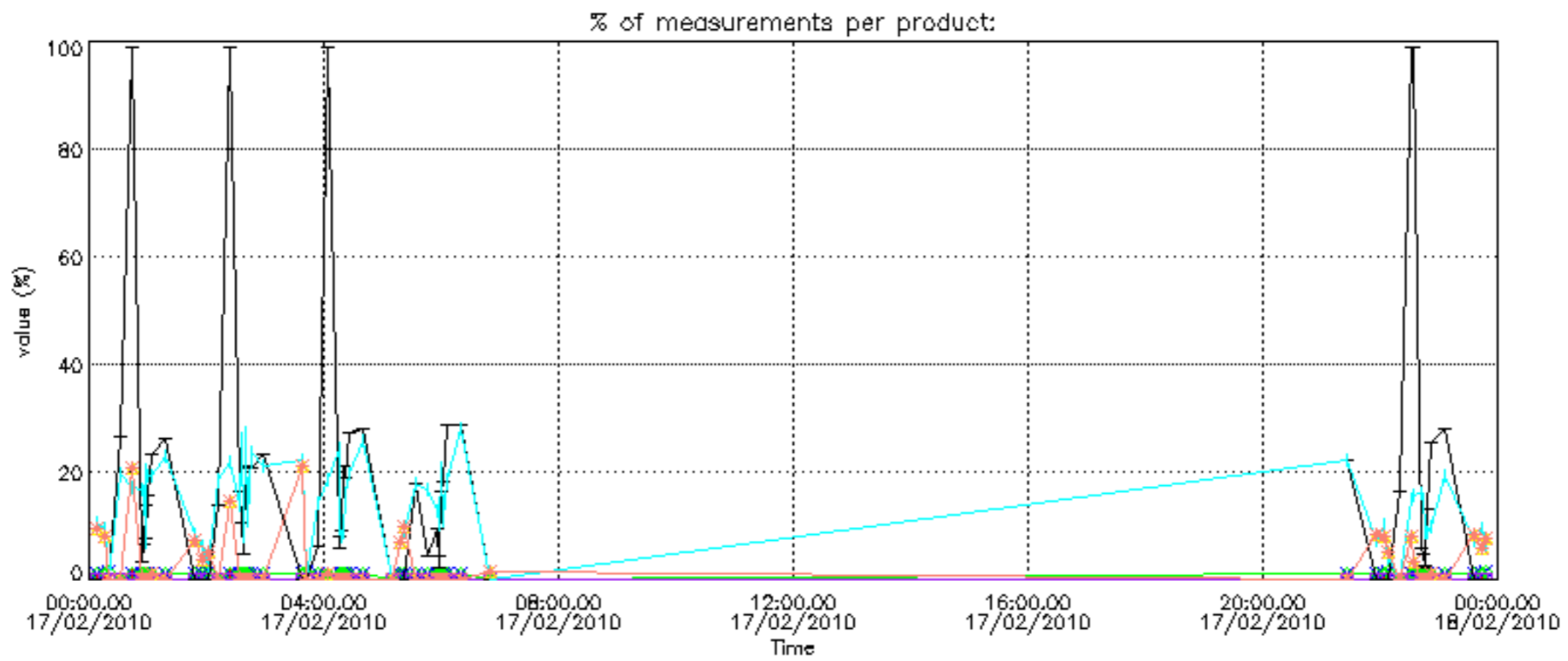
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-FEB-2010 00:07:29
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100216_142029_20100214_000000_20500101_000000	1	17-FEB-2010 00:07:29
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	17-FEB-2010 00:07:29
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-FEB-2010 00:07:29
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	17-FEB-2010 00:07:29
ECMWF_FILE	AUX_ECF_AXNECM20100216_062114_20100216_210000_20100217_090000	1	17-FEB-2010 00:07:29
ECMWF_FILE	AUX_ECF_AXNECM20100216_180116_20100217_030000_20100217_150000	25	17-FEB-2010 03:28:40
ECMWF_FILE	AUX_ECA_AXNECM20100217_060113_20100216_210000_20100217_090000	38	17-FEB-2010 05:17:58
ECMWF_FILE	AUX_ECF_AXNECM20100217_062114_20100217_210000_20100218_090000	50	17-FEB-2010 21:25:08
OPTIONAL_ECMWF_FILE	MISSING	1	17-FEB-2010 00:07:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100216_225142_000057382087_00015_41652_9775.N1	1	17-FEB-2010 00:07:29
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100215_230113_20100215_101509_20100224_185521	5	17-FEB-2010 00:43:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100217_211037_000038252087_00029_41666_9780.N1	50	17-FEB-2010 21:25:08
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100217_110113_20100216_194708_20100226_211321	55	17-FEB-2010 22:31:39

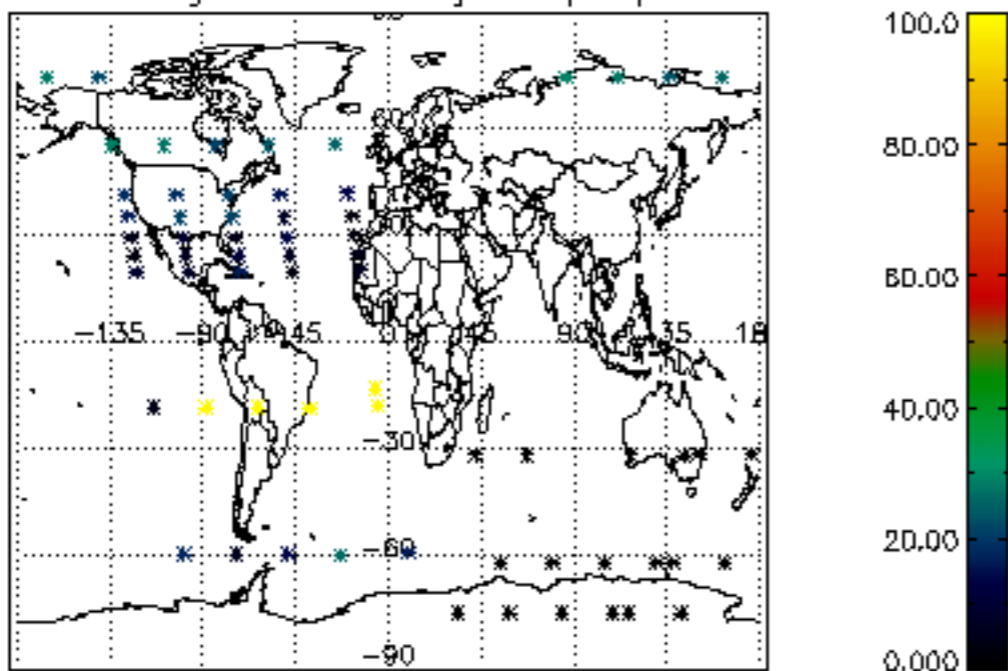




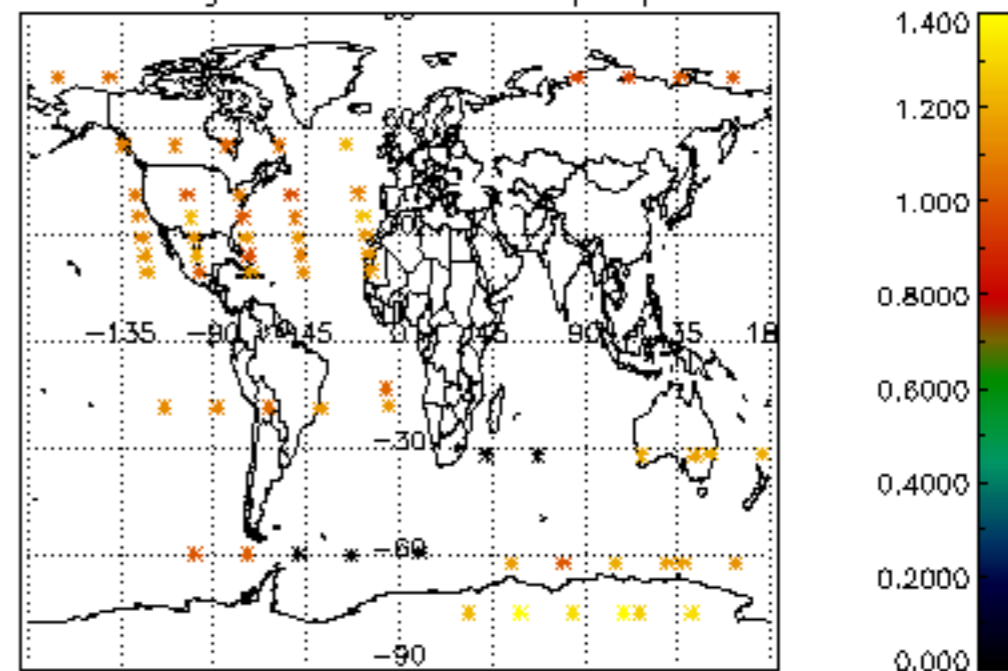




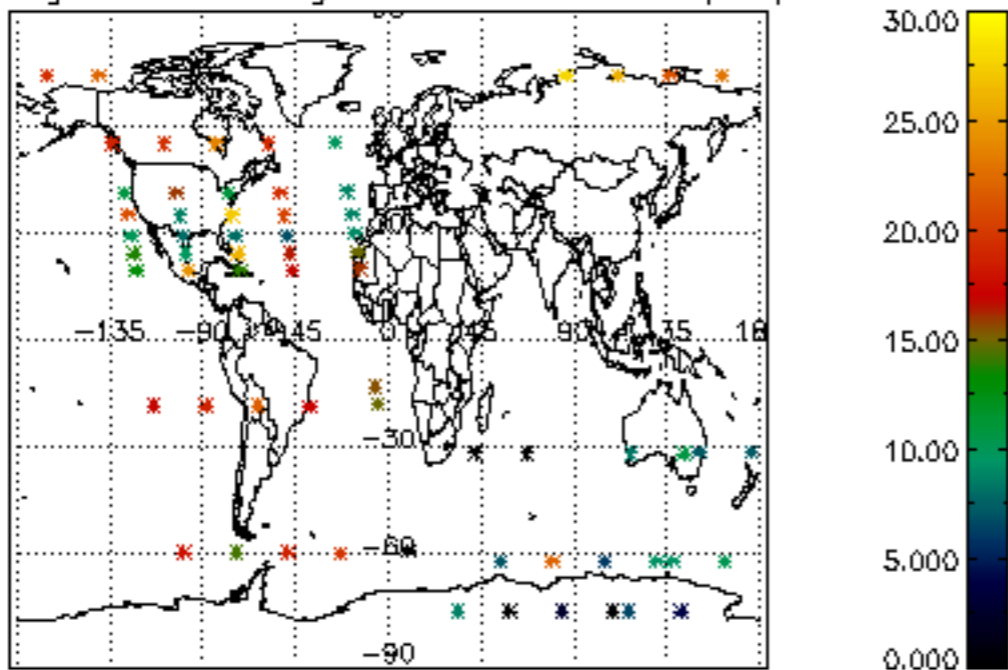
Percentage of cosmic ray hits per profile



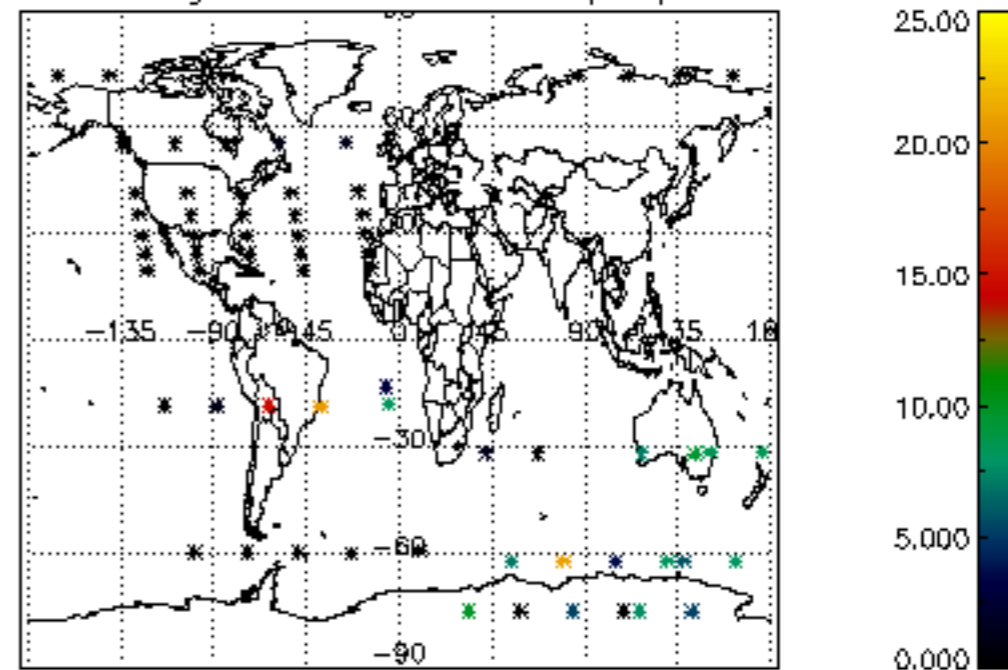
Percentage of datation errors per profile



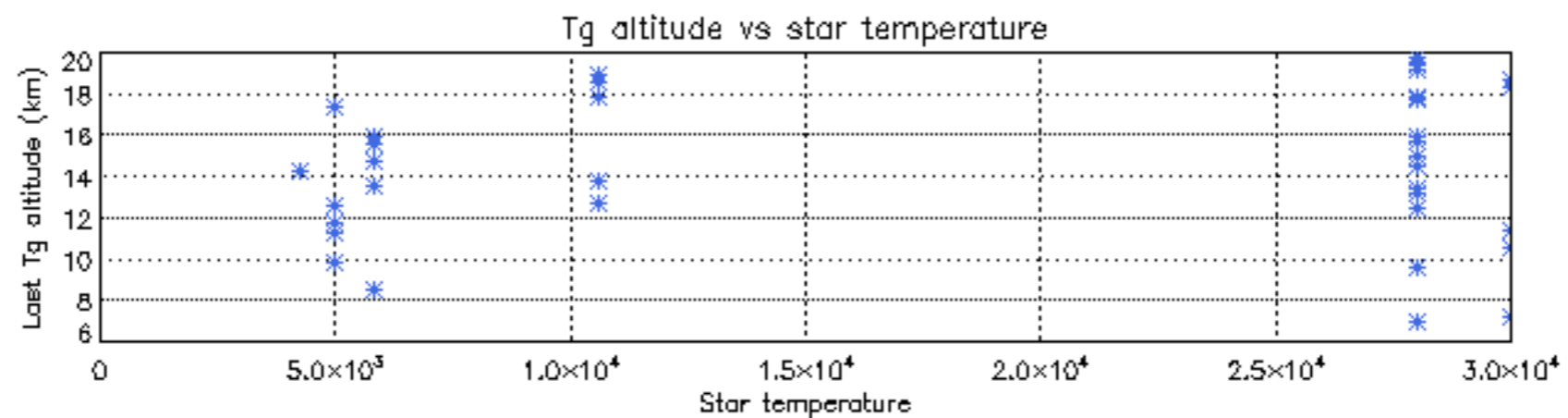
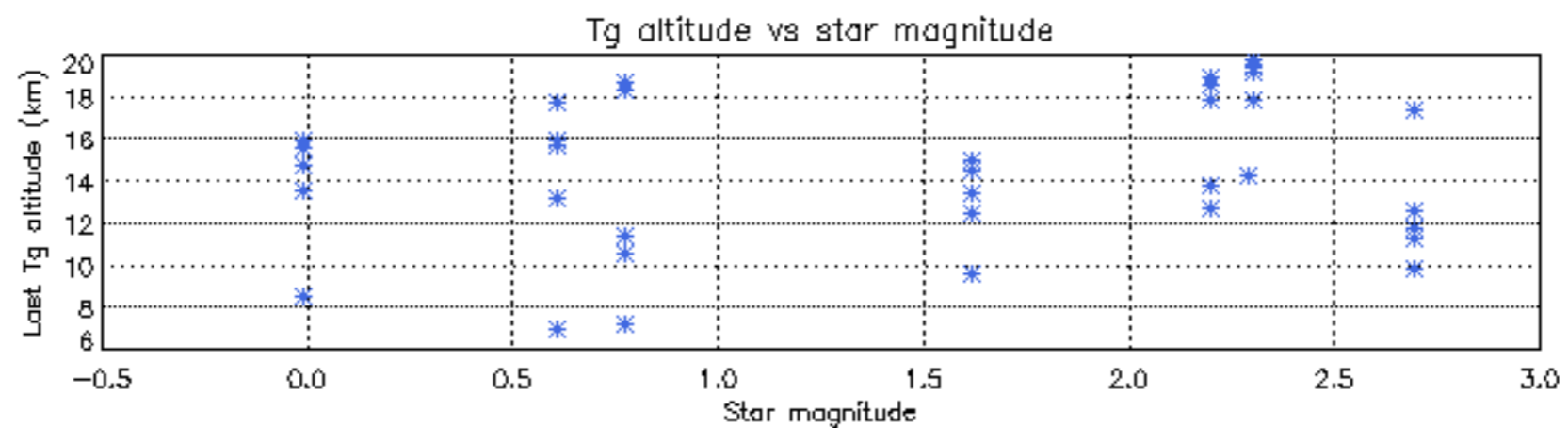
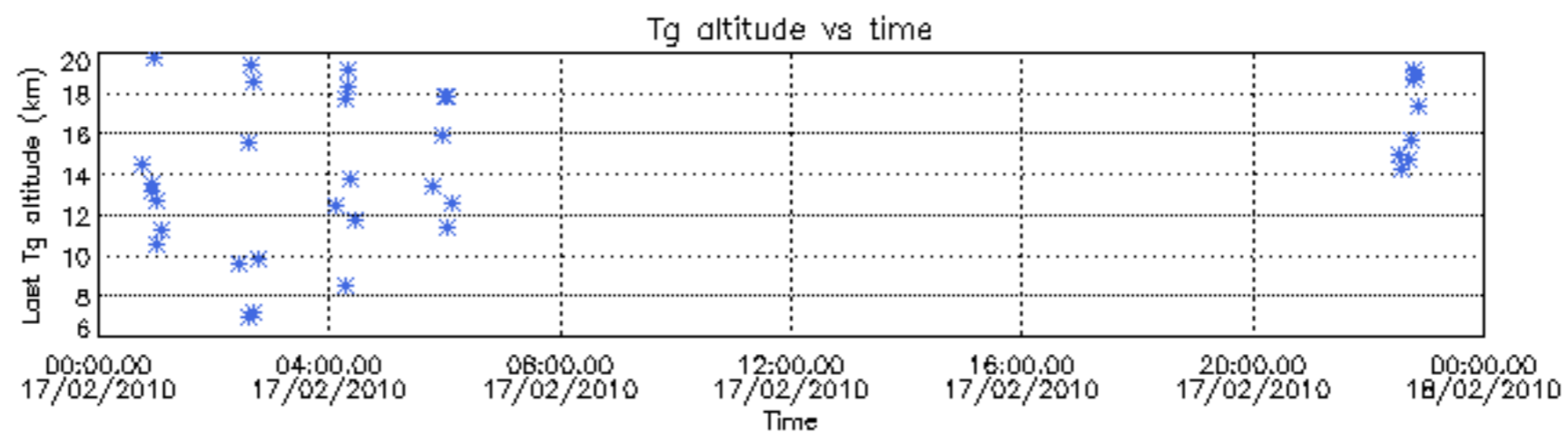
Percentage of star falling outside central band per profile



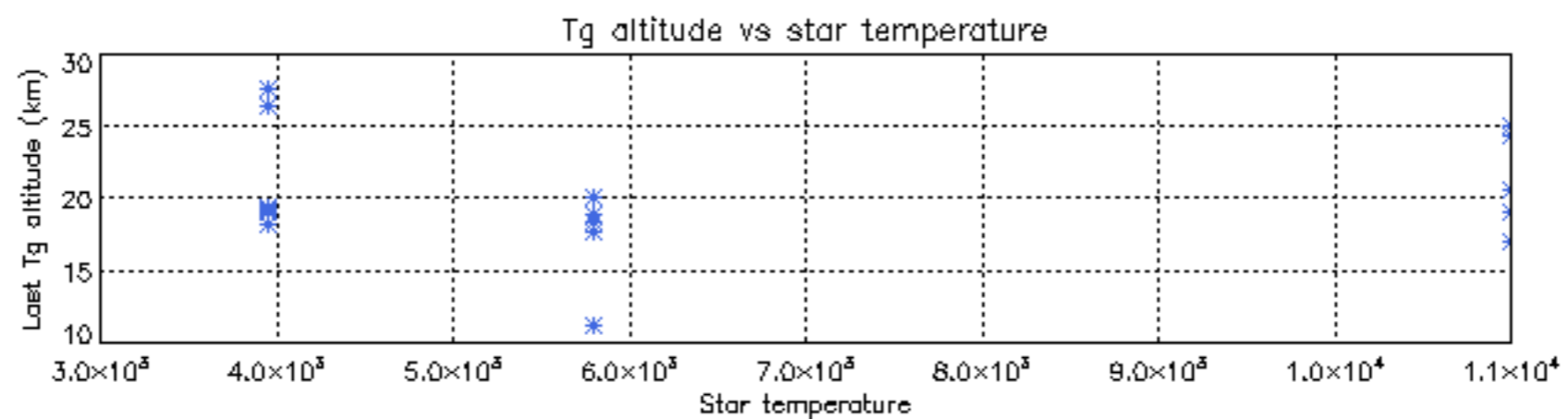
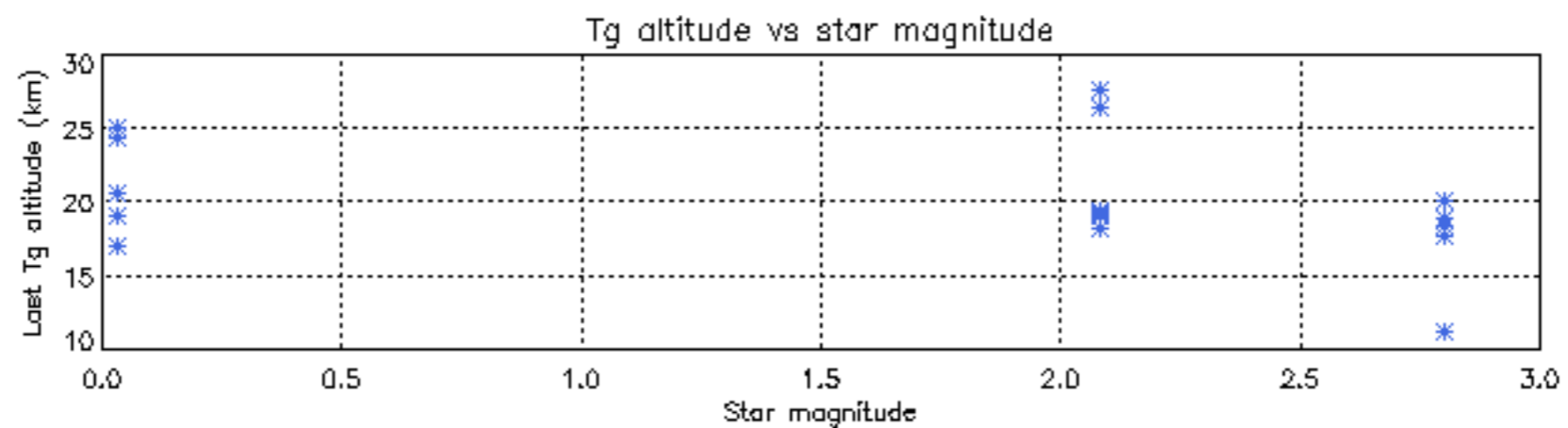
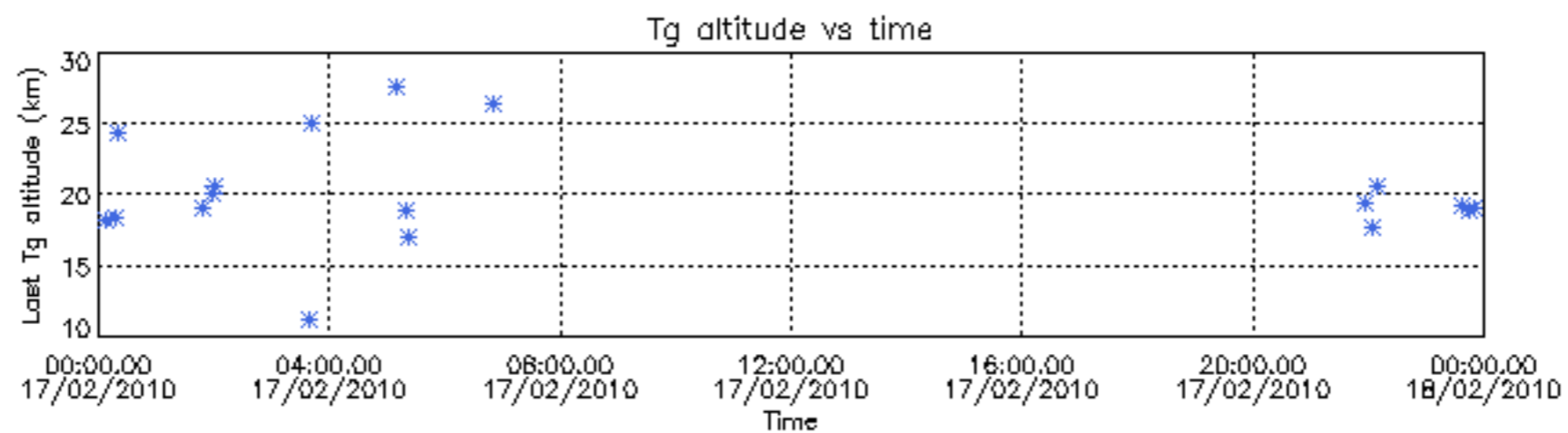
Percentage of saturation errors per profile

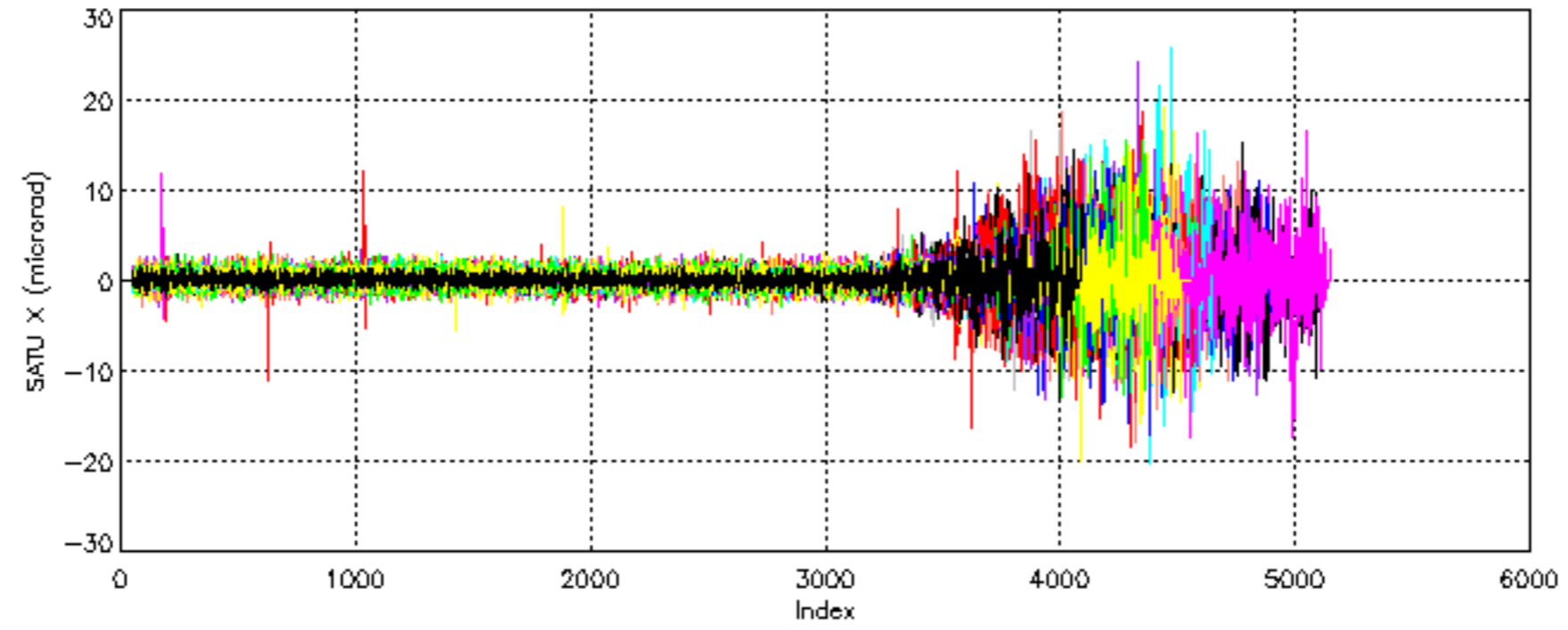


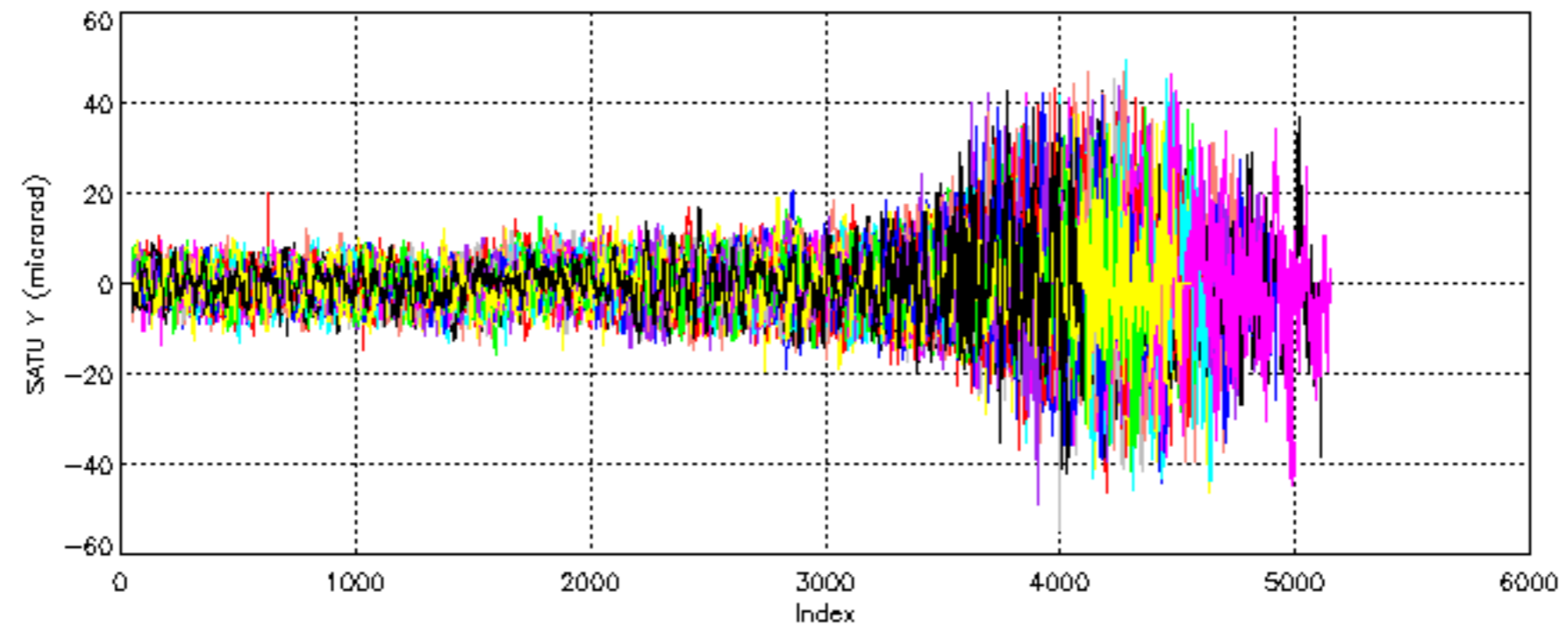
Tangent altitude at which the star is lost

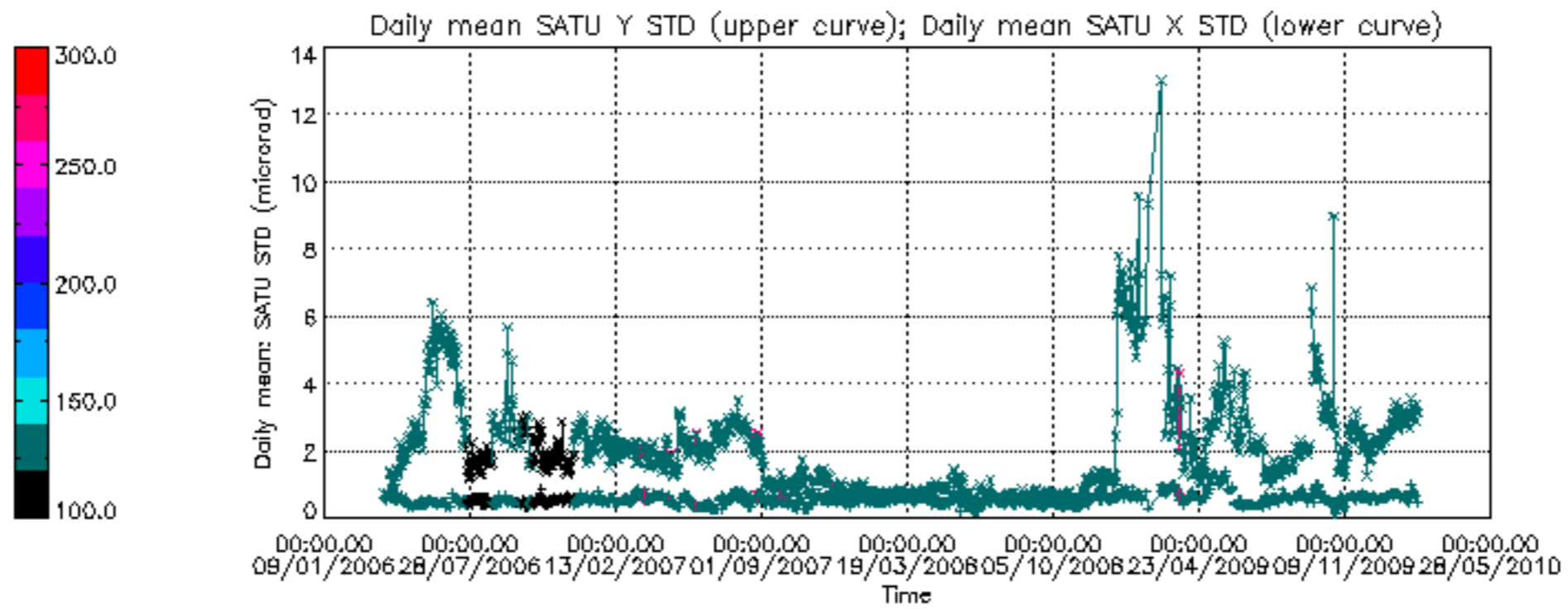


Tangent altitude at which the star is lost









/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
 10; 708.5; 01-FEB-2010 01:03:38; Dark ; 42.0; 159; Ups Car ; 2.92; 7200;occ; 84; 0;41425
 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
 13; 1080.0; 01-FEB-2010 01:09:50; Dark ; 38.5; 34; Gam2Vel ; 1.79; 23000;occ; 77; 0;41425
 14; 1205.0; 01-FEB-2010 01:11:55; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;41425
 15; 1467.4; 01-FEB-2010 01:16:17; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41425
 16; 1992.9; 01-FEB-2010 01:25:03; Dark ; 45.0; 8; 10Alp CMi ; 0.40; 6500;occ; 90; 0;41425
 17; 2341.1; 01-FEB-2010 01:30:51; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41425
 18; 2455.8; 01-FEB-2010 01:32:46; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;41425
 19; 3427.8; 01-FEB-2010 01:48:58; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;41425
 20; 3613.3; 01-FEB-2010 01:52:03; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41425
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 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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 11; 592.5; 01-FEB-2010 02:42:18; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41426
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 20; 2455.9; 01-FEB-2010 03:13:22; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 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
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24; 2455.4; 01-FEB-2010 06:34:33; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;41428
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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
6; 1993.0; 01-FEB-2010 19:51:38; Dark ; 49.0; 8; 10Alp CMi ; 0.40; 6500;occ; 98; 0;41436
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8; 2454.7; 01-FEB-2010 19:59:20; Bright; 54.0; 24; 66Alp Gem ; 1.58; 10200;occ; 108; 0;41436
9; 3427.8; 01-FEB-2010 20:15:33; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41436
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11; 3894.5; 01-FEB-2010 20:23:20; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41436
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13; 4306.4; 01-FEB-2010 20:30:12; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41436
14; 4800.8; 01-FEB-2010 20:38:26; Bright; 55.0; 59; 55Alp Oph ; 2.08; 8900;occ; 110; 0;41436
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3; -368.9; 01-FEB-2010 20:52:52; Dark ; 47.5; 158; 6Pi Sco ; 2.91; 28000;occ; 95; 0;41436
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5; 28.2; 01-FEB-2010 20:59:29; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41437
6; 115.3; 01-FEB-2010 21:00:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41437
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11; 712.4; 01-FEB-2010 21:10:53; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41437
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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16; 1469.8; 01-FEB-2010 21:23:31; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;41437
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 23; 4086.7; 01-FEB-2010 22:07:08; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41437
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 26; 4929.4; 01-FEB-2010 22:21:10; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;41437
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 11; 827.8; 01-FEB-2010 22:53:25; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41438
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 23; 4306.6; 01-FEB-2010 23:51:23; Bright; 34.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 68; 0;41438
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 13; 197.0; 01-FEB-2010 07:37:31; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;41429
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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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 13; 5327.7; 02-FEB-2010 20:15:36; Dark ; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;41450
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 16; 5941.0; 02-FEB-2010 20:25:49; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;41450
 17; 6161.2; 02-FEB-2010 20:29:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41450
 18; 6245.0; 02-FEB-2010 20:30:53; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;41450
 19; 6318.2; 02-FEB-2010 20:32:06; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41450
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 22; 6752.7; 02-FEB-2010 20:39:21; Dark ; 40.0; 159; Ups Car ; 2.92; 7200;occ; 80; 0;41450
 23; 6868.1; 02-FEB-2010 20:41:16; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41450
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 9; 717.9; 03-FEB-2010 01:41:09; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41454
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 23; 4935.1; 03-FEB-2010 02:51:27; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41454
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 27; 6081.3; 03-FEB-2010 03:10:33; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41454
 28; 6164.1; 03-FEB-2010 03:11:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41454
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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
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 33; 6754.3; 03-FEB-2010 03:21:46; Dark ; 36.5; 159; Ups Car ; 2.92; 7200;occ; 73; 0;41454
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 39; 8029.3; 03-FEB-2010 03:43:01; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;41454
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13; 616.6; 03-FEB-2010 06:41:16; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;41457
14; 719.0; 03-FEB-2010 06:42:58; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41457
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3; 1214.3; 03-FEB-2010 20:16:01; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41465
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6; 217.4; 03-FEB-2010 21:40:00; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;41466
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14; 5692.6; 03-FEB-2010 18:09:27; Dark ; 46.5; 158; 6Pi Sco ; 2.91; 28000;occ; 93; 0;41463
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 22; 6975.8; 03-FEB-2010 18:30:51; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41463
 23; 7129.7; 03-FEB-2010 18:33:25; Dark ; 1.0; 65; Lam Vel ; 2.20; 4400;occ; 2; 0;41463

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 8; 493.8; 04-FEB-2010 02:46:24; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41469
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 10; 722.7; 04-FEB-2010 02:50:13; Dark ; 39.0; 159; Ups Car ; 2.92; 7200;occ; 78; 0;41469
 11; 837.5; 04-FEB-2010 02:52:08; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41469
 12; 941.0; 04-FEB-2010 02:53:51; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41469
 13; 1094.9; 04-FEB-2010 02:56:25; Dark ; 46.5; 65; Lam Vel ; 2.20; 4400;occ; 93; 0;41469
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18; 3428.4; 04-FEB-2010 03:35:19; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;41469
19; 3602.2; 04-FEB-2010 03:38:12; Bright; 19.5; 60; 7Bet UMi ; 2.08; 3950;occ; 39; 0;41469
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 3; -1950.0; 04-FEB-2010 03:46:16; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;41469
 4; -1725.4; 04-FEB-2010 03:50:01; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41469
 5; -1095.7; 04-FEB-2010 04:00:30; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;41469
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13; 941.5; 04-FEB-2010 04:34:28; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41470
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 4; 3601.8; 04-FEB-2010 08:40:00; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41472
 5; 3887.3; 04-FEB-2010 08:44:45; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;41472
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13; 6977.9; 04-FEB-2010 09:36:16; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41472
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6; -417.7; 05-FEB-2010 07:01:23; Dark ; 47.5; 16; 21Alp Sco ; 1.02; 3000;occ; 95; 0;41485
7; -310.4; 05-FEB-2010 07:03:11; Dark ; 41.5; 40; The Sco ; 1.86; 7100;occ; 83; 0;41485
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9; 5725.9; 05-FEB-2010 08:43:47; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;41486
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17; 6514.8; 05-FEB-2010 15:39:19; Dark ; 51.0; 20; Bet Cru ; 1.25; 30000;occ; 102; 0;41490
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19; 6704.3; 05-FEB-2010 15:42:29; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;41490
20; 6880.0; 05-FEB-2010 15:45:25; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41490
21; 6983.2; 05-FEB-2010 15:47:08; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;41490
22; 7138.4; 05-FEB-2010 15:49:43; Dark ; 44.5; 65; Lam Vel ; 2.20; 4400;occ; 89; 0;41490

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3; 3596.6; 05-FEB-2010 16:31:17; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41491
4; 3884.0; 05-FEB-2010 16:36:04; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;41491
5; 4085.6; 05-FEB-2010 16:39:26; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41491
6; 4818.4; 05-FEB-2010 16:51:39; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 0;41491
7; 4948.3; 05-FEB-2010 16:53:49; Bright; 36.5; 126; 60Bet Oph ; 2.77; 4250;occ; 73; 0;41491
8; 5351.1; 05-FEB-2010 17:00:32; Dark ; 47.5; 86; 35Eta Oph ; 2.43; 10200;occ; 95; 0;41491
9; 5623.1; 05-FEB-2010 17:05:04; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;41491
10; 5727.7; 05-FEB-2010 17:06:48; Dark ; 43.5; 40; The Sco ; 1.86; 7100;occ; 87; 0;41491
11; 5976.8; 05-FEB-2010 17:10:57; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41491
12; 6190.9; 05-FEB-2010 17:14:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41491
13; 6343.2; 05-FEB-2010 17:17:04; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;41491
14; 6515.4; 05-FEB-2010 17:19:56; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;41491
15; 6598.1; 05-FEB-2010 17:21:19; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41491
16; 6704.7; 05-FEB-2010 17:23:05; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41491
17; 6880.6; 05-FEB-2010 17:26:01; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;41491
18; 6983.1; 05-FEB-2010 17:27:44; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;41491
19; 7138.6; 05-FEB-2010 17:30:19; Dark ; 11.0; 65; Lam Vel ; 2.20; 4400;occ; 22; 0;41491

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3; 1479.7; 05-FEB-2010 17:36:36; Dark ; 39.5; 132; 15Rho Pup ; 2.80; 6900;occ; 79; 0;41492
4; 1995.4; 05-FEB-2010 17:45:12; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;41492
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6; 3428.8; 05-FEB-2010 18:09:05; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41492
7; 3596.5; 05-FEB-2010 18:11:53; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41492
8; 3883.6; 05-FEB-2010 18:16:40; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;41492
9; 4085.4; 05-FEB-2010 18:20:02; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41492
10; 4313.5; 05-FEB-2010 18:23:50; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41492
11; 4818.8; 05-FEB-2010 18:32:15; Bright; 57.0; 59; 55Alp Oph ; 2.08; 8900;occ; 114; 0;41492
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13; 5351.3; 05-FEB-2010 18:41:08; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;41492
14; 5624.1; 05-FEB-2010 18:45:41; Dark ; 52.5; 16; 21Alp Sco ; 1.02; 3000;occ; 105; 0;41492
15; 5727.9; 05-FEB-2010 18:47:24; Dark ; 43.5; 40; The Sco ; 1.86; 7100;occ; 87; 0;41492
16; 5977.2; 05-FEB-2010 18:51:34; Dark ; 44.5; 131; Gam Lup ; 2.80; 26000;occ; 89; 0;41492
17; 6191.6; 05-FEB-2010 18:55:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41492
18; 6343.6; 05-FEB-2010 18:57:40; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41492
19; 6516.2; 05-FEB-2010 19:00:33; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;41492
20; 6599.1; 05-FEB-2010 19:01:56; Dark ; 48.5; 64; Gam Cen ; 2.20; 10600;occ; 97; 0;41492
21; 6705.1; 05-FEB-2010 19:03:42; Dark ; 37.5; 124; The Car ; 2.76; 30000;occ; 75; 0;41492
22; 6880.7; 05-FEB-2010 19:06:37; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;41492
23; 6983.5; 05-FEB-2010 19:08:20; Dark ; 17.5; 46; Del Vel ; 1.95; 10600;occ; 35; 0;41492

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3; 1224.5; 05-FEB-2010 19:12:57; Dark ; 35.0; 70; Zet Pup ; 2.25; 39000;occ; 70; 0;41493
4; 2386.8; 05-FEB-2010 19:32:19; Bright; 40.0; 17; 78Bet Gem ; 1.16; 4500;occ; 80; 0;41493
5; 3596.2; 05-FEB-2010 19:52:29; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;41493
6; 3883.3; 05-FEB-2010 19:57:16; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;41493


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8; 4313.7; 05-FEB-2010 20:04:26; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41493
9; 4819.0; 05-FEB-2010 20:12:51; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;41493
10; 4949.1; 05-FEB-2010 20:15:02; Bright; 56.0; 126; 60Bet Oph ; 2.77; 4250;occ; 112; 0;41493
11; 5352.1; 05-FEB-2010 20:21:45; Dark ; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;41493
12; 5624.4; 05-FEB-2010 20:26:17; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;41493
13; 6192.3; 05-FEB-2010 20:35:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41493
14; 6344.1; 05-FEB-2010 20:38:17; Dark ; 49.5; 10; Bet Cen ; 0.61; 28000;occ; 99; 0;41493
15; 6516.5; 05-FEB-2010 20:41:09; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;41493
16; 6600.0; 05-FEB-2010 20:42:33; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41493
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3; 158.6; 06-FEB-2010 01:37:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41497
4; 310.1; 06-FEB-2010 01:40:06; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;41497
5; 482.6; 06-FEB-2010 01:42:59; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;41497
6; 566.5; 06-FEB-2010 01:44:22; Dark ; 48.5; 64; Gam Cen ; 2.20; 10600;occ; 97; 0;41497
7; 846.3; 06-FEB-2010 01:49:02; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41497
8; 948.6; 06-FEB-2010 01:50:45; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;41497
9; 1104.3; 06-FEB-2010 01:53:20; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;41497
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11; 3595.2; 06-FEB-2010 02:34:51; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41497
12; 3882.4; 06-FEB-2010 02:39:38; Bright; 23.5; 119; 14Eta Dra ; 2.73; 4700;occ; 47; 0;41497
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3; -1215.4; 06-FEB-2010 02:55:17; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;41497
4; -1085.4; 06-FEB-2010 02:57:27; Bright; 41.0; 126; 60Bet Oph ; 2.77; 4250;occ; 82; 0;41497
5; -681.3; 06-FEB-2010 03:04:11; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41497
6; -305.9; 06-FEB-2010 03:10:26; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;41497
7; 159.3; 06-FEB-2010 03:18:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41498
8; 310.7; 06-FEB-2010 03:20:43; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41498
9; 483.0; 06-FEB-2010 03:23:35; Dark ; 45.5; 20; Bet Cru ; 1.25; 30000;occ; 91; 0;41498
10; 567.2; 06-FEB-2010 03:24:59; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41498
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12; 948.6; 06-FEB-2010 03:31:21; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;41498
13; 1104.8; 06-FEB-2010 03:33:57; Dark ; 46.0; 65; Lam Vel ; 2.20; 4400;occ; 92; 0;41498
14; 2386.1; 06-FEB-2010 03:55:18; Bright; 41.5; 17; 78Bet Gem ; 1.16; 4500;occ; 83; 0;41498
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3; -1215.3; 06-FEB-2010 04:35:53; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;41498
4; -1085.2; 06-FEB-2010 04:38:03; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41498
5; -680.9; 06-FEB-2010 04:44:47; Dark ; 47.5; 86; 35Eta Oph ; 2.43; 10200;occ; 95; 0;41498
6; -538.5; 06-FEB-2010 04:47:09; Dark ; 43.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 86; 0;41498
7; -407.5; 06-FEB-2010 04:49:20; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;41498
8; 160.0; 06-FEB-2010 04:58:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41499
9; 311.3; 06-FEB-2010 05:01:19; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41499
10; 483.9; 06-FEB-2010 05:04:12; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41499
11; 568.0; 06-FEB-2010 05:05:36; Dark ; 50.5; 64; Gam Cen ; 2.20; 10600;occ; 101; 0;41499
12; 846.8; 06-FEB-2010 05:10:15; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;41499
13; 948.9; 06-FEB-2010 05:11:57; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41499
14; 1104.7; 06-FEB-2010 05:14:33; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;41499
15; 2386.4; 06-FEB-2010 05:35:54; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;41499
16; 3429.1; 06-FEB-2010 05:53:17; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41499
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2; 1996.5; 06-FEB-2010 20:34:48; Dark ; 49.0; 8; 10Alp CMi ; 0.40; 6500;occ; 98; 0;41508
3; 4084.5; 06-FEB-2010 21:09:36; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41508
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2; 317.4; 06-FEB-2010 21:47:25; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41509
3; 489.7; 06-FEB-2010 21:50:17; Dark ; 5.0; 20; Bet Cru ; 1.25; 30000;occ; 10; 0;41509
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12; 6360.4; 07-FEB-2010 16:14:07; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41519
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6; 4078.7; 12-FEB-2010 11:17:23; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;41588
7; 4324.3; 12-FEB-2010 11:21:29; Bright; 39.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 78; 0;41588
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9; 4854.7; 12-FEB-2010 11:30:19; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;41588
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 23; 6968.3; 12-FEB-2010 15:26:45; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41590
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13; 6735.0; 17-FEB-2010 14:25:22; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41661
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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
4; 4331.2; 17-FEB-2010 15:25:54; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41662
5; 5027.5; 17-FEB-2010 15:37:30; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41662
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
8; 6103.2; 17-FEB-2010 15:55:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41662
9; 6369.0; 17-FEB-2010 15:59:52; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41662
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11; 6534.2; 17-FEB-2010 16:02:37; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41662
12; 6628.8; 17-FEB-2010 16:04:11; Dark ; 50.5; 12; Alp1Cru ; 0.77; 30000;occ; 101; 0;41662
13; 6736.7; 17-FEB-2010 16:05:59; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41662
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3; 4070.3; 17-FEB-2010 17:02:09; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41663
4; 4331.6; 17-FEB-2010 17:06:30; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41663
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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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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3; 4070.3; 17-FEB-2010 18:42:45; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41664
4; 4331.7; 17-FEB-2010 18:47:06; Bright; 39.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 78; 0;41664
5; 5028.8; 17-FEB-2010 18:58:43; Dark ; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;41664
6; 5731.7; 17-FEB-2010 19:10:26; Dark ; 41.5; 25; 35Lam Sco ; 1.62; 28000;occ; 83; 0;41664
7; 5812.1; 17-FEB-2010 19:11:47; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;41664
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11; 6536.0; 17-FEB-2010 19:23:51; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41664
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13; 6737.8; 17-FEB-2010 19:27:12; Dark ; 51.0; 64; Gam Cen ; 2.20; 10600;occ; 102; 0;41664
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4; 4069.8; 17-FEB-2010 20:23:20; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;41665
5; 4331.7; 17-FEB-2010 20:27:42; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41665
6; 5029.5; 17-FEB-2010 20:39:20; Dark ; 50.0; 126; 60Bet Oph ; 2.77; 4250;occ; 100; 0;41665
7; 5732.3; 17-FEB-2010 20:51:03; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41665
8; 5813.0; 17-FEB-2010 20:52:24; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;41665
9; 6104.6; 17-FEB-2010 20:57:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41665
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11; 6449.8; 17-FEB-2010 21:03:00; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;41665
12; 6536.6; 17-FEB-2010 21:04:27; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41665
13; 6629.9; 17-FEB-2010 21:06:00; Dark ; 47.5; 12; Alp1Cru ; 0.77; 30000;occ; 95; 0;41665
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; 415.3; 18-FEB-2010 00:24:14; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;41668
6; 501.9; 18-FEB-2010 00:25:40; Dark ; 46.5; 77; Eps Cen ; 2.30; 28000;occ; 93; 0;41668
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5; 416.0; 18-FEB-2010 02:04:50; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41669
6; 502.9; 18-FEB-2010 02:06:17; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41669
7; 595.4; 18-FEB-2010 02:07:50; Dark ; 49.5; 12; Alp1Cru ; 0.77; 30000;occ; 99; 0;41669
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9; 938.8; 18-FEB-2010 02:13:33; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41669
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5; -301.2; 18-FEB-2010 03:33:29; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;41669
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7; 70.7; 18-FEB-2010 03:39:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41670
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9; 416.8; 18-FEB-2010 03:45:27; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41670
10; 503.9; 18-FEB-2010 03:46:54; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41670
11; 595.9; 18-FEB-2010 03:48:26; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;41670
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13; 939.6; 18-FEB-2010 03:54:10; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;41670
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5; 71.2; 18-FEB-2010 05:20:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41671
6; 337.9; 18-FEB-2010 05:24:44; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;41671
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8; 504.5; 18-FEB-2010 05:27:31; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;41671
9; 596.6; 18-FEB-2010 05:29:03; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41671
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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
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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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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
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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
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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
5; 5736.7; 18-FEB-2010 08:35:19; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41672
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
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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
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12; 6744.7; 18-FEB-2010 10:32:43; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 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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4; 4332.3; 18-FEB-2010 13:13:42; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41675
5; 5738.6; 18-FEB-2010 13:37:08; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;41675
6; 5821.9; 18-FEB-2010 13:38:32; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;41675
7; 6109.6; 18-FEB-2010 13:43:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41675
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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
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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
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4; 511.0; 18-FEB-2010 20:33:01; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41680
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
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3; -290.7; 19-FEB-2010 06:23:14; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41685
4; -205.1; 19-FEB-2010 06:24:40; Dark ; 56.5; 75; 26Eps Sco ; 2.29; 4250;occ; 113; 0;41685
5; 79.4; 19-FEB-2010 06:29:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41686
6; 346.6; 19-FEB-2010 06:33:52; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 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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3; 4066.7; 19-FEB-2010 07:35:52; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41686
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9; 6383.5; 19-FEB-2010 08:14:29; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 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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3; 4066.4; 19-FEB-2010 09:16:27; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41687
4; 4333.0; 19-FEB-2010 09:20:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 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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13; 6754.8; 19-FEB-2010 10:01:16; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 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
7; 5833.5; 19-FEB-2010 11:26:30; Dark ; 56.0; 75; 26Eps Sco ; 2.29; 4250;occ; 112; 0;41688
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9; 6384.6; 19-FEB-2010 11:35:42; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 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
14; 6983.2; 19-FEB-2010 11:45:40; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41688
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4; 4333.4; 19-FEB-2010 12:42:06; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;41689
5; 4757.7; 19-FEB-2010 12:49:10; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41689
6; 5747.5; 19-FEB-2010 13:05:40; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;41689
7; 5834.7; 19-FEB-2010 13:07:07; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41689
8; 6117.3; 19-FEB-2010 13:11:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41689
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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11; 6554.6; 19-FEB-2010 13:19:07; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41689
12; 6756.3; 19-FEB-2010 13:22:29; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41689
13; 6983.7; 19-FEB-2010 13:26:17; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41689
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 4; 4333.7; 19-FEB-2010 14:22:42; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41690
 5; 4757.9; 19-FEB-2010 14:29:47; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41690
 6; 5748.4; 19-FEB-2010 14:46:17; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41690
 7; 5835.5; 19-FEB-2010 14:47:44; Dark ; 56.5; 75; 26Eps Sco ; 2.29; 4250;occ; 113; 0;41690
 8; 6117.9; 19-FEB-2010 14:52:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41690
 9; 6386.1; 19-FEB-2010 14:56:55; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41690
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 12; 6757.0; 19-FEB-2010 15:03:06; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41690
 13; 6984.1; 19-FEB-2010 15:06:53; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41690

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 3; 4066.0; 19-FEB-2010 15:58:51; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41691
 4; 4333.7; 19-FEB-2010 16:03:18; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;41691
 5; 4758.3; 19-FEB-2010 16:10:23; Bright; 52.5; 168; 17Zet Aql ; 2.99; 11000;occ; 105; 0;41691
 6; 5749.0; 19-FEB-2010 16:26:54; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41691
 7; 5836.4; 19-FEB-2010 16:28:21; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;41691
 8; 6118.5; 19-FEB-2010 16:33:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41691
 9; 6244.5; 19-FEB-2010 16:35:09; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;41691
 10; 6386.4; 19-FEB-2010 16:37:31; Dark ; 45.0; 4; Alp1Cen ;-0.01; 5800;occ; 90; 0;41691
 11; 6466.3; 19-FEB-2010 16:38:51; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41691
 12; 6642.3; 19-FEB-2010 16:41:47; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41691
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 3; 3431.7; 19-FEB-2010 17:28:52; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41692
 4; 3537.4; 19-FEB-2010 17:30:38; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41692
 5; 4065.9; 19-FEB-2010 17:39:26; Bright; 46.0; 130; 23Bet Dra ; 2.80; 5800;occ; 92; 0;41692
 6; 4199.9; 19-FEB-2010 17:41:41; Bright; 36.0; 144; 18Del Cyg ; 2.86; 11000;occ; 72; 0;41692
 7; 4333.7; 19-FEB-2010 17:43:54; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41692
 8; 4758.5; 19-FEB-2010 17:50:59; Bright; 54.0; 168; 17Zet Aql ; 2.99; 11000;occ; 108; 0;41692
 9; 5334.4; 19-FEB-2010 18:00:35; Dark ; 42.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 84; 0;41692
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 11; 5749.8; 19-FEB-2010 18:07:30; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;41692
 12; 5837.4; 19-FEB-2010 18:08:58; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;41692
 13; 6007.2; 19-FEB-2010 18:11:48; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;41692
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 16; 6466.8; 19-FEB-2010 18:19:27; Dark ; 47.5; 10; Bet Cen ; 0.61; 28000;occ; 95; 0;41692
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 7; 4758.7; 19-FEB-2010 19:31:35; Bright; 54.0; 168; 17Zet Aql ; 2.99; 11000;occ; 108; 0;41693
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 9; 5436.4; 19-FEB-2010 19:42:53; Dark ; 40.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 80; 0;41693
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 16; 6643.2; 19-FEB-2010 20:03:00; Dark ; 54.0; 12; Alp1Cru ; 0.77; 30000;occ; 108; 0;41693
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5; 4334.4; 20-FEB-2010 10:29:54; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41702
6; 4760.8; 20-FEB-2010 10:37:01; Bright; 35.0; 168; 17Zet Aql ; 2.99; 11000;occ; 70; 0;41702
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2; 2355.4; 20-FEB-2010 11:37:31; Bright; 43.0; 166; 17Eps Leo ; 2.98; 6000;occ; 86; 0;41703
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21;	6753.9;	27-FEB-2010	17:32:31;	Dark ;	56.0;	26;	Gam Cru ;	1.62;	2900;occ;	112;	0;41806
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15; 3063.4; 01-MAR-2010 00:22:23; Bright; 59.0; 36; 50Alp UMa ; 1.80; 6300;occ; 118; 0;41825
16; 3493.5; 01-MAR-2010 00:29:33; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41825
17; 3775.9; 01-MAR-2010 00:34:16; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;41825
18; 4038.7; 01-MAR-2010 00:38:38; Bright; 47.0; 130; 23Bet Dra ; 2.80; 5800;occ; 94; 0;41825
19; 4212.2; 01-MAR-2010 00:41:32; Bright; 35.0; 144; 18Del Cyg ; 2.86; 11000;occ; 70; 0;41825
20; 4341.3; 01-MAR-2010 00:43:41; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;41825
21; 4796.5; 01-MAR-2010 00:51:16; Bright; 39.5; 168; 17Zet Aql ; 2.99; 11000;occ; 79; 0;41825

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