

GOMOS Daily Report 13-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	15FEB2010 04:34:20
Data source version	GOMOS/5.00L04
Start time of products	13FEB2010 00:03:11
Stop time of products	13FEB2010 23:31:34
Store outputs in DB	Yes
Nb of level 1b prods	108
Nb of prods with errors	1

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

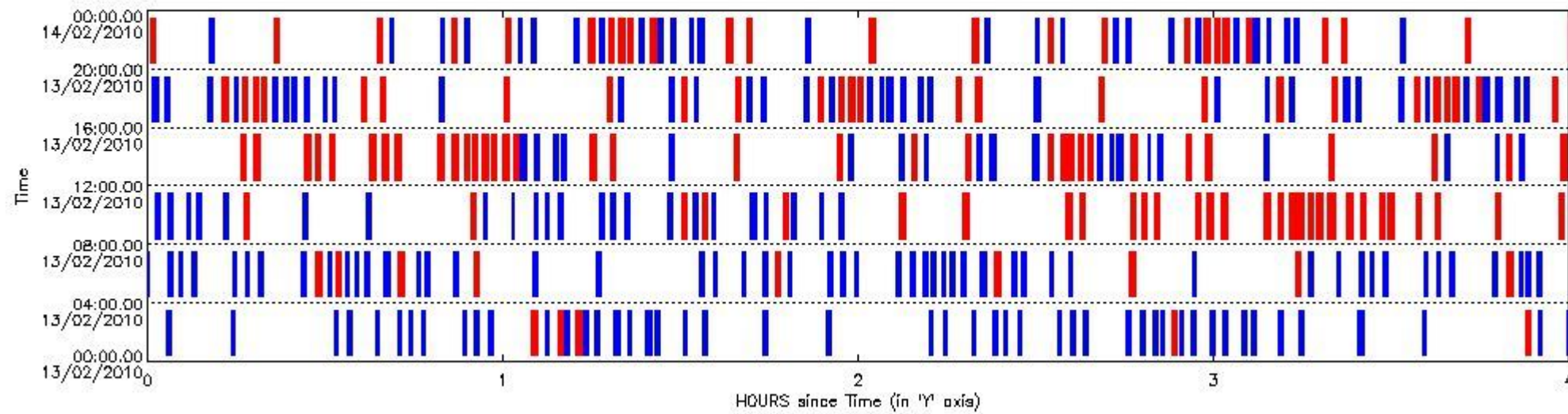
2.1 Level 0 products arrived in PCF (see template [here](#))

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
13-FEB-2010 01:04:42	35EtaOph	86	41596
13-FEB-2010 01:09:12	35LamSco	25	41596
13-FEB-2010 01:12:18	AlpAra	147	41596
13-FEB-2010 02:52:54	AlpAra	147	41597
13-FEB-2010 03:52:41	1AlpUMi	49	41598
13-FEB-2010 04:28:23	20EpsSgr	38	41598
13-FEB-2010 04:31:43	TheSco	40	41598
13-FEB-2010 04:42:20	BetCen	10	41599
13-FEB-2010 04:55:01	LamVel	65	41599
13-FEB-2010 05:45:55	18DelCyg	144	41599
13-FEB-2010 06:22:57	BetCen	10	41600
13-FEB-2010 06:45:42	30AlpHya	48	41600
13-FEB-2010 07:13:53	1AlpUMi	49	41600
13-FEB-2010 07:49:35	20EpsSgr	38	41600
13-FEB-2010 08:16:13	LamVel	65	41601

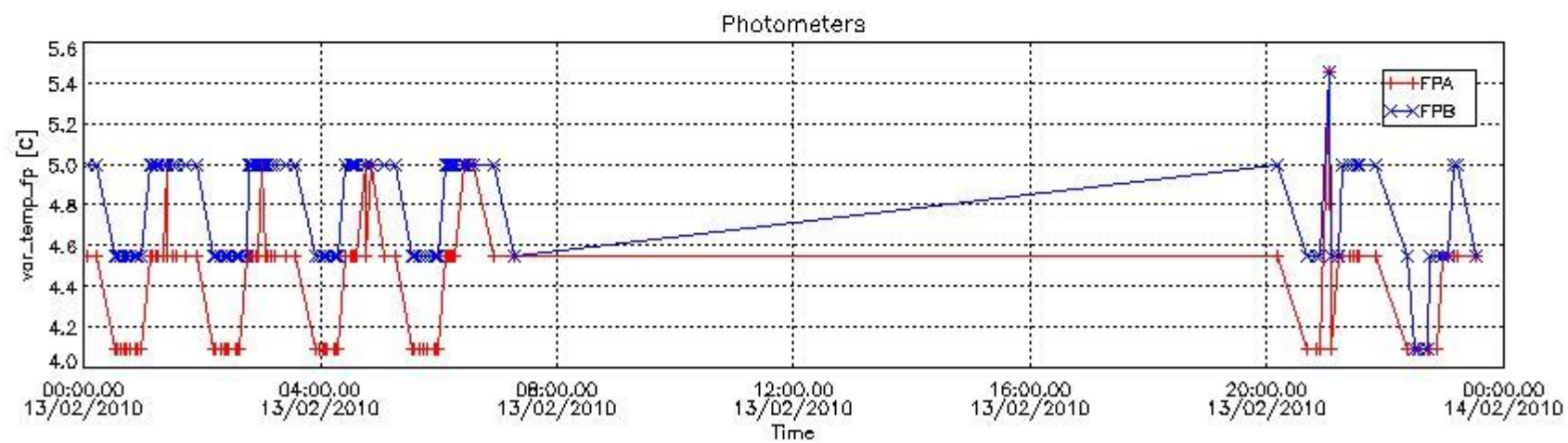
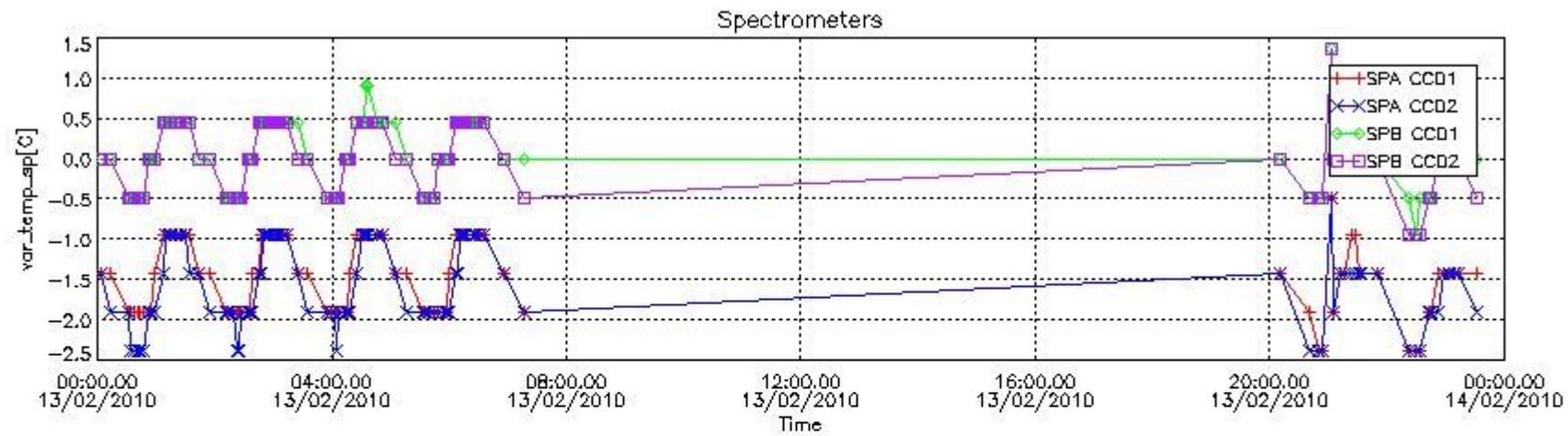
13-FEB-2010 08:54:29	1AlpUMi	49	41601
13-FEB-2010 09:30:11	20EpsSgr	38	41601
13-FEB-2010 09:33:33	TheSco	40	41601
13-FEB-2010 09:47:18	Alp1Cru	12	41602
13-FEB-2010 10:06:54	30AlpHya	48	41602
13-FEB-2010 10:17:41	78BetGem	17	41602
13-FEB-2010 10:35:05	1AlpUMi	49	41602
13-FEB-2010 10:37:20	7BetUMi	60	41602
13-FEB-2010 10:45:52	23BetDra	130	41602
13-FEB-2010 10:47:44	18DelCyg	144	41602
13-FEB-2010 10:50:01	3AlpLyr	5	41602
13-FEB-2010 10:56:53	17ZetAql	168	41602
13-FEB-2010 10:58:56	55AlpOph	59	41602
13-FEB-2010 11:01:11	60BetOph	126	41602
13-FEB-2010 11:08:23	35EtaOph	86	41602
13-FEB-2010 11:10:48	20EpsSgr	38	41602
13-FEB-2010 11:12:51	35LamSco	25	41602
13-FEB-2010 11:14:09	TheSco	40	41602
13-FEB-2010 11:15:56	AlpAra	147	41602
13-FEB-2010 11:17:24	BetAra	141	41602
13-FEB-2010 11:19:17	GamLup	131	41603
13-FEB-2010 11:22:29	DSA1027	0	41603
13-FEB-2010 11:24:46	BetCen	10	41603
13-FEB-2010 11:27:54	Alp1Cru	12	41603
13-FEB-2010 11:29:25	GamCen	64	41603
13-FEB-2010 11:34:07	KapVel	91	41603
13-FEB-2010 11:37:26	LamVel	65	41603
13-FEB-2010 11:47:30	30AlpHya	48	41603
13-FEB-2010 11:58:17	78BetGem	17	41603
13-FEB-2010 12:15:41	1AlpUMi	49	41603
13-FEB-2010 12:17:56	7BetUMi	60	41603
13-FEB-2010 12:26:28	23BetDra	130	41603
13-FEB-2010 12:28:20	18DelCyg	144	41603
13-FEB-2010 12:30:37	3AlpLyr	5	41603
13-FEB-2010 12:37:29	17ZetAql	168	41603
13-FEB-2010 12:39:32	55AlpOph	59	41603
13-FEB-2010 12:41:47	60BetOph	126	41603
13-FEB-2010 12:48:59	35EtaOph	86	41603
13-FEB-2010 12:51:24	20EpsSgr	38	41603
13-FEB-2010 12:53:27	35LamSco	25	41603
13-FEB-2010 12:54:46	TheSco	40	41603
13-FEB-2010 12:56:32	AlpAra	147	41603
13-FEB-2010 12:58:00	BetAra	141	41603
13-FEB-2010 12:59:54	GamLup	131	41604
13-FEB-2010 13:01:54	BetTrA	134	41604
13-FEB-2010 13:14:43	KapVel	91	41604
13-FEB-2010 13:18:02	LamVel	65	41604
13-FEB-2010 13:38:53	78BetGem	17	41604
13-FEB-2010 13:56:17	1AlpUMi	49	41604
13-FEB-2010 14:08:56	18DelCyg	144	41604
13-FEB-2010 14:18:05	17ZetAql	168	41604
13-FEB-2010 14:32:00	20EpsSgr	38	41604
13-FEB-2010 14:34:03	35LamSco	25	41604
13-FEB-2010 14:35:22	TheSco	40	41604
13-FEB-2010 14:37:09	AlpAra	147	41604
13-FEB-2010 14:38:37	BetAra	141	41604
13-FEB-2010 14:45:59	BetCen	10	41605
13-FEB-2010 14:55:19	KapVel	91	41605
13-FEB-2010 14:58:38	LamVel	65	41605

13-FEB-2010 15:19:29	78BetGem	17	41605
13-FEB-2010 15:36:53	1AlpUMi	49	41605
13-FEB-2010 15:49:32	18DelCyg	144	41605
13-FEB-2010 15:58:41	17ZetAql	168	41605
13-FEB-2010 16:12:36	20EpsSgr	38	41605
13-FEB-2010 16:15:58	TheSco	40	41605
13-FEB-2010 16:17:45	AlpAra	147	41605
13-FEB-2010 16:19:13	BetAra	141	41605
13-FEB-2010 16:35:55	KapVel	91	41606
13-FEB-2010 16:39:14	LamVel	65	41606
13-FEB-2010 17:00:05	78BetGem	17	41606
13-FEB-2010 17:17:29	1AlpUMi	49	41606
13-FEB-2010 17:30:08	18DelCyg	144	41606
13-FEB-2010 17:39:17	17ZetAql	168	41606
13-FEB-2010 17:53:13	20EpsSgr	38	41606
13-FEB-2010 17:56:35	TheSco	40	41606
13-FEB-2010 17:58:21	AlpAra	147	41606
13-FEB-2010 17:59:49	BetAra	141	41606
13-FEB-2010 18:16:32	KapVel	91	41607
13-FEB-2010 18:19:51	LamVel	65	41607
13-FEB-2010 18:40:41	78BetGem	17	41607
13-FEB-2010 18:58:05	1AlpUMi	49	41607
13-FEB-2010 19:10:44	18DelCyg	144	41607
13-FEB-2010 19:19:53	17ZetAql	168	41607
13-FEB-2010 19:33:49	20EpsSgr	38	41607
13-FEB-2010 19:37:11	TheSco	40	41607
13-FEB-2010 19:38:58	AlpAra	147	41607
13-FEB-2010 19:40:26	BetAra	141	41607
13-FEB-2010 19:44:19	BetTrA	134	41608
13-FEB-2010 19:57:08	KapVel	91	41608
13-FEB-2010 20:00:27	LamVel	65	41608
13-FEB-2010 20:21:17	78BetGem	17	41608
13-FEB-2010 20:38:41	1AlpUMi	49	41608
13-FEB-2010 20:51:20	18DelCyg	144	41608
13-FEB-2010 21:00:29	17ZetAql	168	41608
13-FEB-2010 21:14:25	20EpsSgr	38	41608
13-FEB-2010 21:17:48	TheSco	40	41608
13-FEB-2010 21:19:34	AlpAra	147	41608
13-FEB-2010 21:21:02	BetAra	141	41608
13-FEB-2010 21:24:55	BetTrA	134	41609
13-FEB-2010 21:37:44	KapVel	91	41609
13-FEB-2010 21:41:03	LamVel	65	41609
13-FEB-2010 22:01:53	78BetGem	17	41609
13-FEB-2010 22:19:17	1AlpUMi	49	41609
13-FEB-2010 22:31:56	18DelCyg	144	41609
13-FEB-2010 22:41:06	17ZetAql	168	41609
13-FEB-2010 22:55:02	20EpsSgr	38	41609
13-FEB-2010 22:58:24	TheSco	40	41609
13-FEB-2010 23:00:11	AlpAra	147	41609
13-FEB-2010 23:01:38	BetAra	141	41609
13-FEB-2010 23:05:32	BetTrA	134	41610
13-FEB-2010 23:18:20	KapVel	91	41610
13-FEB-2010 23:21:39	LamVel	65	41610
13-FEB-2010 23:42:29	78BetGem	17	41610
13-FEB-2010 23:59:53	1AlpUMi	49	41610

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100213_000311_000000512086_00460_41596_0518.N1	13-FEB-2010 00:03:11	Straylight	51.000	48	30Alp Hya	1.9770	4100.0	102	41596	No
2	GOM_TRA_1PNPDE20100213_001357_000000402086_00460_41596_0519.N1	13-FEB-2010 00:13:57	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	41596	No
3	GOM_TRA_1PNPDE20100213_003122_000000392086_00460_41596_0520.N1	13-FEB-2010 00:31:22	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	41596	No
4	GOM_TRA_1PNPDE20100213_003339_000000422086_00460_41596_0521.N1	13-FEB-2010 00:33:39	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41596	No
5	GOM_TRA_1PNPDE20100213_003830_000000362086_00460_41596_0522.N1	13-FEB-2010 00:38:30	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	41596	No
6	GOM_TRA_1PNPDE20100213_004210_000000402086_00460_41596_0523.N1	13-FEB-2010 00:42:10	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	41596	No
7	GOM_TRA_1PNPDE20100213_004400_000000452086_00460_41596_0524.N1	13-FEB-2010 00:44:00	Bright	45.000	144	18Del Cyg	2.8600	11000.	90	41596	No
8	GOM_TRA_1PNPDE20100213_004617_000000352086_00460_41596_0525.N1	13-FEB-2010 00:46:17	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	41596	No
9	GOM_TRA_1PNPDE20100213_005308_000000342086_00460_41596_0526.N1	13-FEB-2010 00:53:08	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	41596	No
10	GOM_TRA_1PNPDE20100213_005510_000000472086_00460_41596_0527.N1	13-FEB-2010 00:55:10	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	41596	No
11	GOM_TRA_1PNPDE20100213_005725_000000472086_00460_41596_0528.N1	13-FEB-2010 00:57:25	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	41596	No
12	GOM_TRA_1PNPDE20100213_010703_000000452086_00460_41596_0540.N1	13-FEB-2010 01:07:03	Dark	44.500	38	20Eps Sgr	1.8360	11000.	89	41596	No
13	GOM_TRA_1PNPDE20100213_011023_000000442086_00460_41596_0541.N1	13-FEB-2010 01:10:23	Dark	43.500	40	The Sco	1.8590	7100.0	87	41596	No
14	GOM_TRA_1PNPDE20100213_011338_000000492086_00460_41596_0542.N1	13-FEB-2010 01:13:38	Dark	48.500	141	Bet Ara	2.8400	4600.0	97	41596	No
15	GOM_TRA_1PNPDE20100213_011528_000000492086_00461_41597_0543.N1	13-FEB-2010 01:15:28	Dark	48.500	131	Gam Lup	2.8000	26000.	97	41597	No
16	GOM_TRA_1PNPDE20100213_012059_000000452086_00461_41597_0544.N1	13-FEB-2010 01:20:59	Dark	44.500	10	Bet Cen	0.61000	28000.	89	41597	No
17	GOM_TRA_1PNPDE20100213_012408_000000532086_00461_41597_0545.N1	13-FEB-2010 01:24:08	Dark	53.000	12	Alp1Cru	0.77500	30000.	106	41597	No
18	GOM_TRA_1PNPDE20100213_012537_000000522086_00461_41597_0546.N1	13-FEB-2010 01:25:37	Dark	51.500	64	Gam Cen	2.2000	10600.	103	41597	No
19	GOM_TRA_1PNPDE20100213_013022_000000372086_00461_41597_0547.N1	13-FEB-2010 01:30:22	Dark	37.000	91	Kap Vel	2.4900	26000.	74	41597	No
20	GOM_TRA_1PNPDE20100213_013341_000000532086_00461_41597_0548.N1	13-FEB-2010 01:33:41	Straylight	53.000	65	Lam Vel	2.2040	4400.0	106	41597	No
21	GOM_TRA_1PNPDE20100213_014347_000000532086_00461_41597_0549.N1	13-FEB-2010 01:43:47	Straylight	52.500	48	30Alp Hya	1.9770	4100.0	105	41597	No
22	GOM_TRA_1PNPDE20100213_015433_000000412086_00461_41597_0550.N1	13-FEB-2010 01:54:33	Bright	40.500	17	78Bet Gem	1.1610	4500.0	81	41597	No
23	GOM_TRA_1PNPDE20100213_021158_000000332086_00461_41597_0551.N1	13-FEB-2010 02:11:58	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41597	No
24	GOM_TRA_1PNPDE20100213_021414_000000392086_00461_41597_0552.N1	13-FEB-2010 02:14:14	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	41597	No
25	GOM_TRA_1PNPDE20100213_021906_000000362086_00461_41597_0553.N1	13-FEB-2010 02:19:06	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	41597	No
26	GOM_TRA_1PNPDE20100213_022246_000000422086_00461_41597_0554.N1	13-FEB-2010 02:22:46	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	41597	No
27	GOM_TRA_1PNPDE20100213_022436_000000332086_00461_41597_0555.N1	13-FEB-2010 02:24:36	Bright	33.000	144	18Del Cyg	2.8600	11000.	66	41597	No
28	GOM_TRA_1PNPDE20100213_022653_000000382086_00461_41597_0556.N1	13-FEB-2010 02:26:53	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	41597	No
29	GOM_TRA_1PNPDE20100213_023344_000000352086_00461_41597_0557.N1	13-FEB-2010 02:33:44	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	41597	No
30	GOM_TRA_1PNPDE20100213_023546_000000492086_00461_41597_0558.N1	13-FEB-2010 02:35:46	Bright	48.500	59	55Alp Oph	2.0800	8900.0	97	41597	No
31	GOM_TRA_1PNPDE20100213_023801_000000472086_00461_41597_0559.N1	13-FEB-2010 02:38:01	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	41597	No
32	GOM_TRA_1PNPDE20100213_024511_000000482086_00461_41597_0560.N1	13-FEB-2010 02:45:11	Dark	48.000	86	35Eta Oph	2.4300	10200.	96	41597	No
33	GOM_TRA_1PNPDE20100213_024739_000000422086_00461_41597_0561.N1	13-FEB-2010 02:47:39	Dark	42.000	38	20Eps Sgr	1.8360	11000.	84	41597	No
34	GOM_TRA_1PNPDE20100213_024941_000000442086_00461_41597_0562.N1	13-FEB-2010 02:49:41	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	41597	No
35	GOM_TRA_1PNPDE20100213_025059_000000442086_00461_41597_0563.N1	13-FEB-2010 02:50:59	Dark	44.000	40	The Sco	1.8590	7100.0	88	41597	No
36	GOM_TRA_1PNPDE20100213_025415_000000392086_00461_41597_0564.N1	13-FEB-2010 02:54:15	Dark	38.500	141	Bet Ara	2.8400	4600.0	77	41597	No
37	GOM_TRA_1PNPDE20100213_025605_000000472086_00462_41598_0565.N1	13-FEB-2010 02:56:05	Dark	46.500	131	Gam Lup	2.8000	26000.	93	41598	No
38	GOM_TRA_1PNPDE20100213_030136_000000422086_00462_41598_0566.N1	13-FEB-2010 03:01:36	Dark	42.000	10	Bet Cen	0.61000	28000.	84	41598	No
39	GOM_TRA_1PNPDE20100213_030444_000000552086_00462_41598_0567.N1	13-FEB-2010 03:04:44	Dark	54.500	12	Alp1Cru	0.77500	30000.	109	41598	No
40	GOM_TRA_1PNPDE20100213_030614_000000562086_00462_41598_0568.N1	13-FEB-2010 03:06:14	Dark	55.500	64	Gam Cen	2.2000	10600.	111	41598	No
41	GOM_TRA_1PNPDE20100213_031058_000000392086_00462_41598_0569.N1	13-FEB-2010 03:10:58	Dark	39.000	91	Kap Vel	2.4900	26000.	78	41598	No
42	GOM_TRA_1PNPDE20100213_031417_000000502086_00462_41598_0570.N1	13-FEB-2010 03:14:17	Straylight	49.500	65	Lam Vel	2.2040	4400.0	99	41598	No
43	GOM_TRA_1PNPDE20100213_032422_000000532086_00462_41598_0571.N1	13-FEB-2010 03:24:22	Straylight	52.500	48	30Alp Hya	1.9770	4100.0	105	41598	No
44	GOM_TRA_1PNPDE20100213_033509_000000392086_00462_41598_0572.N1	13-FEB-2010 03:35:09	Bright	39.000	17	78Bet Gem	1.1610	4500.0	78	41598	No
45	GOM_TRA_1PNPDE20100213_035450_000000362086_00462_41598_0559.N1	13-FEB-2010 03:54:50	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	41598	No
46	GOM_TRA_1PNPDE20100213_035941_000000312086_00462_41598_0560.N1	13-FEB-2010 03:59:41	Bright	31.000	119	14Eta Dra	2.7270	4700.0	62	41598	No
47	GOM_TRA_1PNPDE20100213_040321_000000432086_00462_41598_0561.N1	13-FEB-2010 04:03:21	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41598	No
48	GOM_TRA_1PNPDE20100213_040512_000000332086_00462_41598_0562.N1	13-FEB-2010 04:05:12	Bright	33.000	144	18Del Cyg	2.8600	11000.	66	41598	No
49	GOM_TRA_1PNPDE20100213_040729_000000362086_00462_41598_0563.N1	13-FEB-2010 04:07:29	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41598	No
50	GOM_TRA_1PNPDE20100213_041420_000000342086_00462_41598_0564.N1	13-FEB-2010 04:14:20	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	41598	No
51	GOM_TRA_1PNPDE20100213_041623_000000472086_00462_41598_0565.N1	13-FEB-2010 04:16:23	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	41598	No
52	GOM_TRA_1PNPDE20100213_041837_000000472086_00462_41598_0566.N1	13-FEB-2010 04:18:37	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	41598	No
53	GOM_TRA_1PNPDE20100213_042548_000000542086_00462_41598_0567.N1	13-FEB-2010 04:25:48	Dark	53.500	86	35Eta Oph	2.4300	10200.	107	41598	No
54	GOM_TRA_1PNPDE20100213_043017_000000452086_00462_41598_0568.N1	13-FEB-2010 04:30:17	Dark	44.500	25	35Lam Sco	1.6200	28000.	89	41598	No
55	GOM_TRA_1PNPDE20100213_043323_000000382086_00462_41598_0569.N1	13-FEB-2010 04:33:23	Dark	37.500	147	Alp Ara	2.8770	26000.	75	41598	No
56	GOM_TRA_1PNPDE20100213_043451_000000482086_00462_41598_0570.N1	13-FEB-2010 04:34:51	Dark	48.000	141	Bet Ara	2.8400	4600.0	96	41598	No
57	GOM_TRA_1PNPDE20100213_043641_000000472086_00463_41599_0571.N1	13-FEB-2010 04:36:41	Dark	46.500	131	Gam Lup	2.8000	26000.	93	41599	No
58	GOM_TRA_1PNPDE20100213_044521_000000402086_00463_41599_0572.N1	13-FEB-2010 04:45:21	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41599	No

59	GOM_TRA_1PNPDE20100213_044651_000000522086_00463_41599_0573.N1	13-FEB-2010 04:46:51	Dark	52.000	64	Gam Cen	2.2000	10600.	104	41599	No
60	GOM_TRA_1PNPDE20100213_045135_000000422086_00463_41599_0574.N1	13-FEB-2010 04:51:35	Dark	41.500	91	Kap Vel	2.4900	26000.	83	41599	No
61	GOM_TRA_1PNPDE20100213_050459_000000542086_00463_41599_0575.N1	13-FEB-2010 05:04:59	Straylight	53.500	48	30Alp Hya	1.9770	4100.0	107	41599	No
62	GOM_TRA_1PNPDE20100213_051545_000000392086_00463_41599_0576.N1	13-FEB-2010 05:15:45	Bright	39.000	17	78Bet Gem	1.1610	4500.0	78	41599	No
63	GOM_TRA_1PNPDE20100213_053310_000000382086_00463_41599_0577.N1	13-FEB-2010 05:33:10	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41599	No
64	GOM_TRA_1PNPDE20100213_053526_000000432086_00463_41599_0578.N1	13-FEB-2010 05:35:26	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41599	No
65	GOM_TRA_1PNPDE20100213_054017_000000312086_00463_41599_0584.N1	13-FEB-2010 05:40:17	Bright	31.000	119	14Eta Dra	2.7270	4700.0	62	41599	No
66	GOM_TRA_1PNPDE20100213_054357_000000412086_00463_41599_0585.N1	13-FEB-2010 05:43:57	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	41599	No
67	GOM_TRA_1PNPDE20100213_054805_000000362086_00463_41599_0586.N1	13-FEB-2010 05:48:05	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41599	No
68	GOM_TRA_1PNPDE20100213_055456_000000352086_00463_41599_0587.N1	13-FEB-2010 05:54:56	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	41599	No
69	GOM_TRA_1PNPDE20100213_055659_000000482086_00463_41599_0588.N1	13-FEB-2010 05:56:59	Bright	47.500	59	55Alp Oph	2.0800	8900.0	95	41599	No
70	GOM_TRA_1PNPDE20100213_055914_000000472086_00463_41599_0589.N1	13-FEB-2010 05:59:14	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	41599	No
71	GOM_TRA_1PNPDE20100213_060625_000000502086_00463_41599_0590.N1	13-FEB-2010 06:06:25	Dark	50.000	86	35Eta Oph	2.4300	10200.	100	41599	No
72	GOM_TRA_1PNPDE20100213_060851_000000442086_00463_41599_0591.N1	13-FEB-2010 06:08:51	Dark	43.500	38	20Eps Sgr	1.8360	11000.	87	41599	No
73	GOM_TRA_1PNPDE20100213_061054_000000442086_00463_41599_0592.N1	13-FEB-2010 06:10:54	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	41599	No
74	GOM_TRA_1PNPDE20100213_061212_000000432086_00463_41599_0593.N1	13-FEB-2010 06:12:12	Dark	42.500	40	The Sco	1.8590	7100.0	85	41599	No
75	GOM_TRA_1PNPDE20100213_061359_000000422086_00463_41599_0594.N1	13-FEB-2010 06:13:59	Dark	42.000	147	Alp Ara	2.8770	26000.	84	41599	No
76	GOM_TRA_1PNPDE20100213_061528_000000492086_00463_41599_0595.N1	13-FEB-2010 06:15:28	Dark	48.500	141	Bet Ara	2.8400	4600.0	97	41599	No
77	GOM_TRA_1PNPDE20100213_061719_000000472086_00464_41600_0596.N1	13-FEB-2010 06:17:19	Dark	46.500	131	Gam Lup	2.8000	26000.	93	41600	No
78	GOM_TRA_1PNPDE20100213_062558_000000492086_00464_41600_0597.N1	13-FEB-2010 06:25:58	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	41600	No
79	GOM_TRA_1PNPDE20100213_062728_000000552086_00464_41600_0598.N1	13-FEB-2010 06:27:28	Dark	54.500	64	Gam Cen	2.2000	10600.	109	41600	No
80	GOM_TRA_1PNPDE20100213_063211_000000402086_00464_41600_0599.N1	13-FEB-2010 06:32:11	Dark	40.000	91	Kap Vel	2.4900	26000.	80	41600	No
81	GOM_TRA_1PNPDE20100213_063529_000000422086_00464_41600_0600.N1	13-FEB-2010 06:35:29	Straylight	41.500	65	Lam Vel	2.2040	4400.0	83	41600	No
82	GOM_TRA_1PNPDE20100213_065622_000000402086_00464_41600_0601.N1	13-FEB-2010 06:56:22	Bright	39.500	17	78Bet Gem	1.1610	4500.0	79	41600	No
83	GOM_TRA_1PNPDE20100213_071601_000000412086_00464_41600_0602.N1	13-FEB-2010 07:16:01	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41600	No
84	GOM_TRA_1PNPDE20100213_201022_000000532086_00472_41608_0671.N1	13-FEB-2010 20:10:22	Straylight	52.500	48	30Alp Hya	1.9770	4100.0	105	41608	No
85	GOM_TRA_1PNPDE20100213_204046_000000372086_00472_41608_0672.N1	13-FEB-2010 20:40:46	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	41608	No
86	GOM_TRA_1PNPDE20100213_204920_000000432086_00472_41608_0673.N1	13-FEB-2010 20:49:20	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41608	No
87	GOM_TRA_1PNPDE20100213_205330_000000392086_00472_41608_0674.N1	13-FEB-2010 20:53:30	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	41608	No
88	GOM_TRA_1PNPDE20100213_210226_000000472086_00472_41608_0691.N1	13-FEB-2010 21:02:26	Bright	47.000	59	55Alp Oph	2.0800	8900.0	94	41608	Yes
89	GOM_TRA_1PNPDE20100213_210441_000000532086_00472_41608_0692.N1	13-FEB-2010 21:04:41	Bright	52.500	126	60Bet Oph	2.7700	4250.0	105	41608	No
90	GOM_TRA_1PNPDE20100213_211156_000000472086_00472_41608_0693.N1	13-FEB-2010 21:11:56	Dark	46.500	86	35Eta Oph	2.4300	10200.	93	41608	No
91	GOM_TRA_1PNPDE20100213_211622_000000442086_00472_41608_0694.N1	13-FEB-2010 21:16:22	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	41608	No
92	GOM_TRA_1PNPDE20100213_212251_000000472086_00473_41609_0695.N1	13-FEB-2010 21:22:51	Dark	47.000	131	Gam Lup	2.8000	26000.	94	41609	No
93	GOM_TRA_1PNPDE20100213_212818_000000442086_00473_41609_0696.N1	13-FEB-2010 21:28:18	Dark	43.500	10	Bet Cen	0.61000	28000.	87	41609	No
94	GOM_TRA_1PNPDE20100213_213125_000000402086_00473_41609_0697.N1	13-FEB-2010 21:31:25	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41609	No
95	GOM_TRA_1PNPDE20100213_213258_000000552086_00473_41609_0698.N1	13-FEB-2010 21:32:58	Dark	54.500	64	Gam Cen	2.2000	10600.	109	41609	No
96	GOM_TRA_1PNPDE20100213_215058_000000532086_00473_41609_0699.N1	13-FEB-2010 21:50:58	Straylight	52.500	48	30Alp Hya	1.9770	4100.0	105	41609	No
97	GOM_TRA_1PNPDE20100213_222122_000000402086_00473_41609_0700.N1	13-FEB-2010 22:21:22	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41609	No
98	GOM_TRA_1PNPDE20100213_222955_000000382086_00473_41609_0701.N1	13-FEB-2010 22:29:55	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41609	No
99	GOM_TRA_1PNPDE20100213_223405_000000372086_00473_41609_0702.N1	13-FEB-2010 22:34:05	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	41609	No
100	GOM_TRA_1PNPDE20100213_224303_000000472086_00473_41609_0703.N1	13-FEB-2010 22:43:03	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	41609	No
101	GOM_TRA_1PNPDE20100213_224518_000000472086_00473_41609_0704.N1	13-FEB-2010 22:45:18	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	41609	No
102	GOM_TRA_1PNPDE20100213_225232_000000492086_00473_41609_0713.N1	13-FEB-2010 22:52:32	Dark	48.500	86	35Eta Oph	2.4300	10200.	97	41609	No
103	GOM_TRA_1PNPDE20100213_225658_000000502086_00473_41609_0714.N1	13-FEB-2010 22:56:58	Dark	50.000	25	35Lam Sco	1.6200	28000.	100	41609	No
104	GOM_TRA_1PNPDE20100213_230328_000000462086_00474_41610_0715.N1	13-FEB-2010 23:03:28	Dark	46.000	131	Gam Lup	2.8000	26000.	92	41610	No
105	GOM_TRA_1PNPDE20100213_230854_000000442086_00474_41610_0716.N1	13-FEB-2010 23:08:54	Dark	44.000	10	Bet Cen	0.61000	28000.	88	41610	No
106	GOM_TRA_1PNPDE20100213_231201_000000462086_00474_41610_0717.N1	13-FEB-2010 23:12:01	Dark	46.000	12	Alp1Cru	0.77500	30000.	92	41610	No
107	GOM_TRA_1PNPDE20100213_231334_000000462086_00474_41610_0718.N1	13-FEB-2010 23:13:34	Dark	46.000	64	Gam Cen	2.2000	10600.	92	41610	No
108	GOM_TRA_1PNPDE20100213_233134_000000542086_00474_41610_0719.N1	13-FEB-2010 23:31:34	Straylight	53.500	48	30Alp Hya	1.9770	4100.0	107	41610	No

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



4. Overview of dark signal processing per product

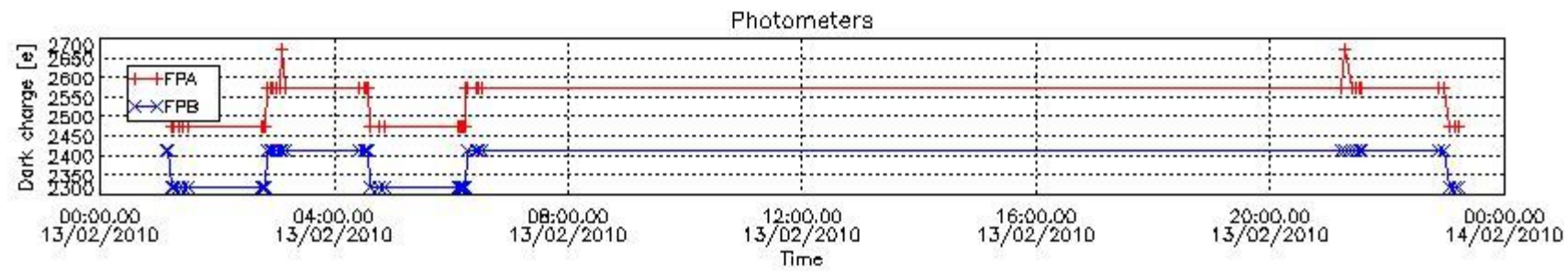
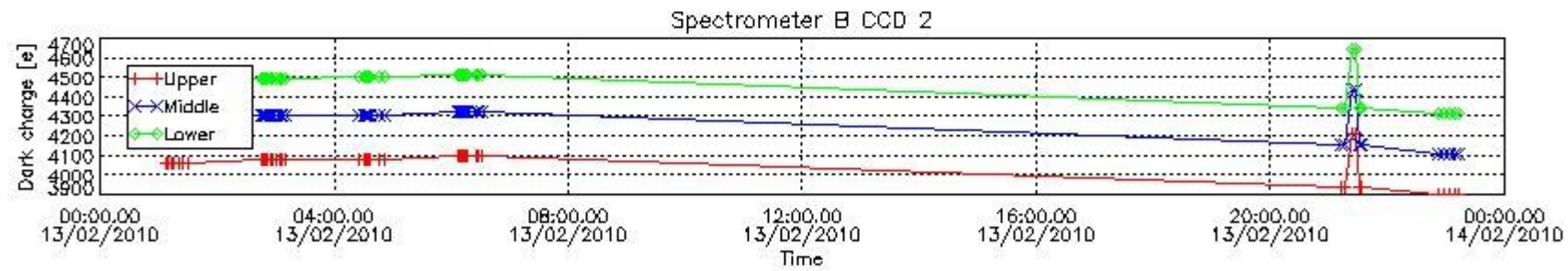
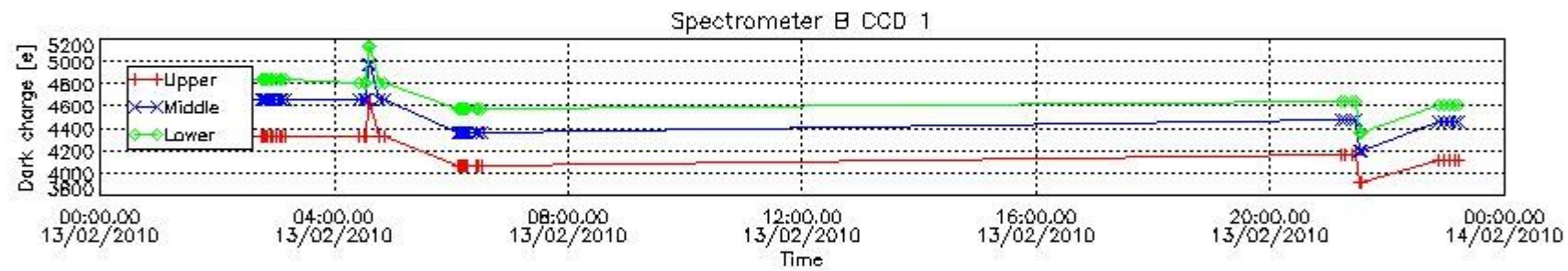
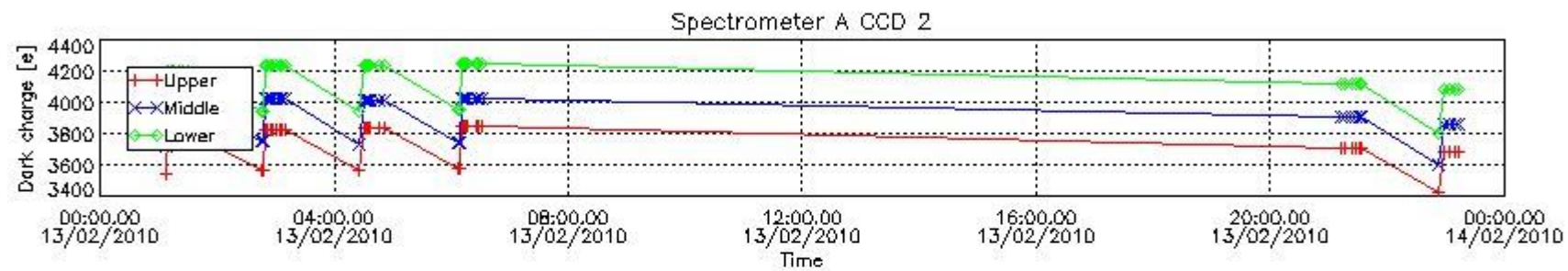
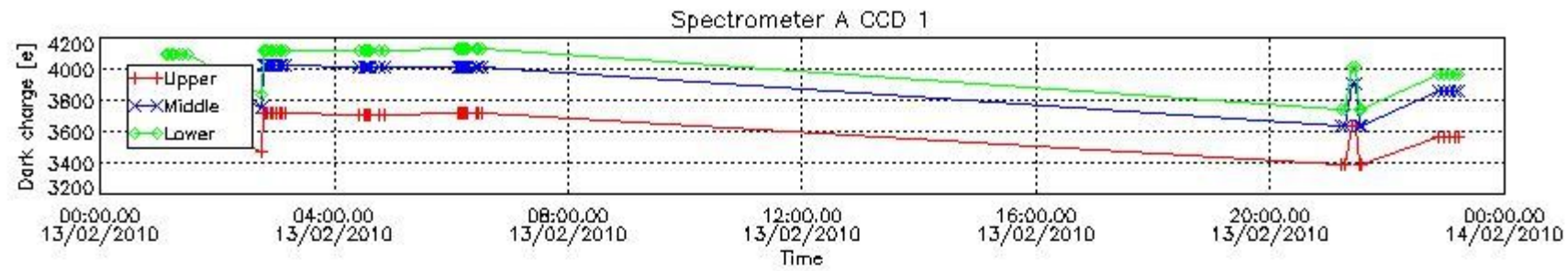
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100213_201022_000000532086_00472_41608_0671.N1	DC map used
GOM_TRA_1PNPDE20100213_204046_000000372086_00472_41608_0672.N1	DC map used
GOM_TRA_1PNPDE20100213_204920_000000432086_00472_41608_0673.N1	DC map used
GOM_TRA_1PNPDE20100213_205330_000000392086_00472_41608_0674.N1	DC map used

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



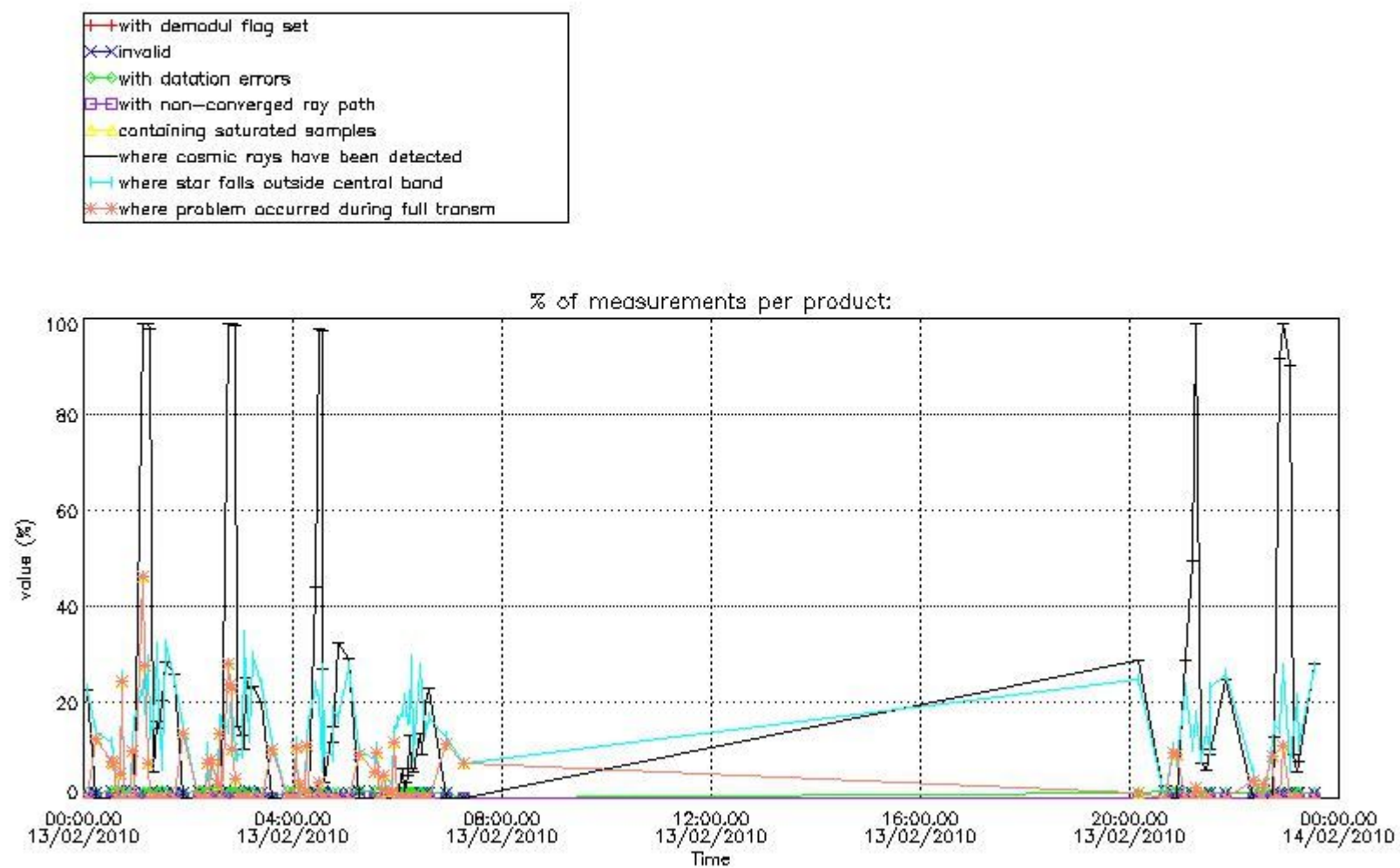
5. Demodulation flag and quality information monitoring

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.

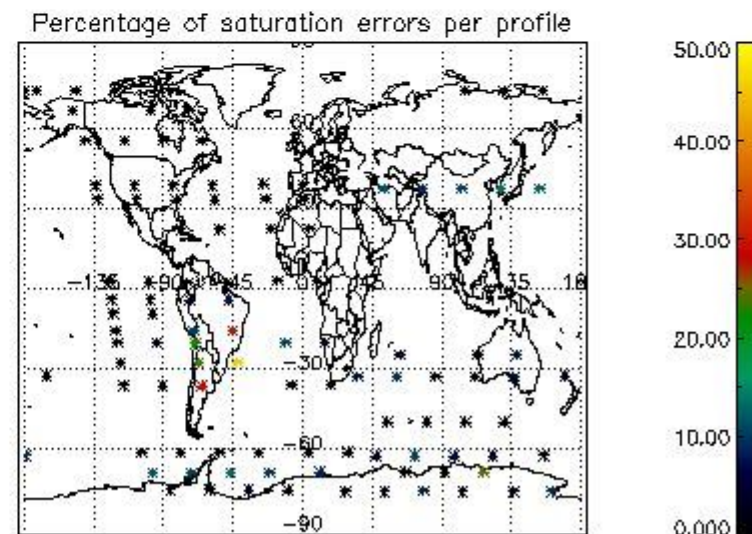
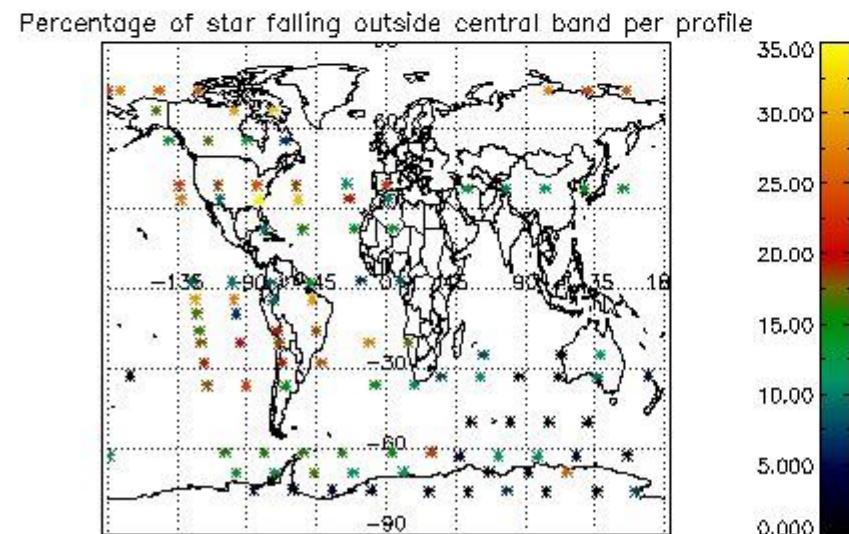
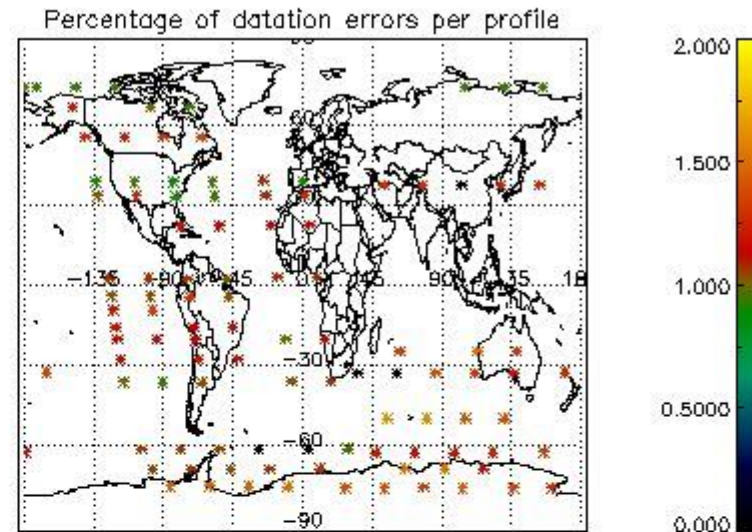
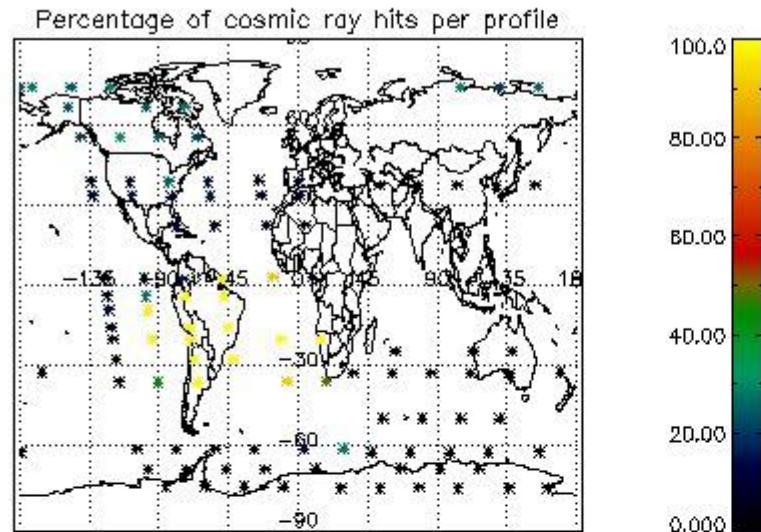
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	35.5140 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



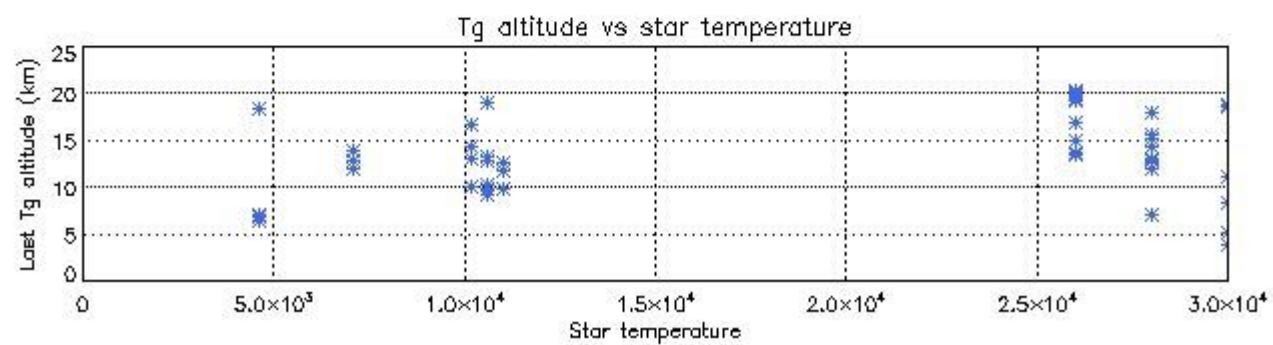
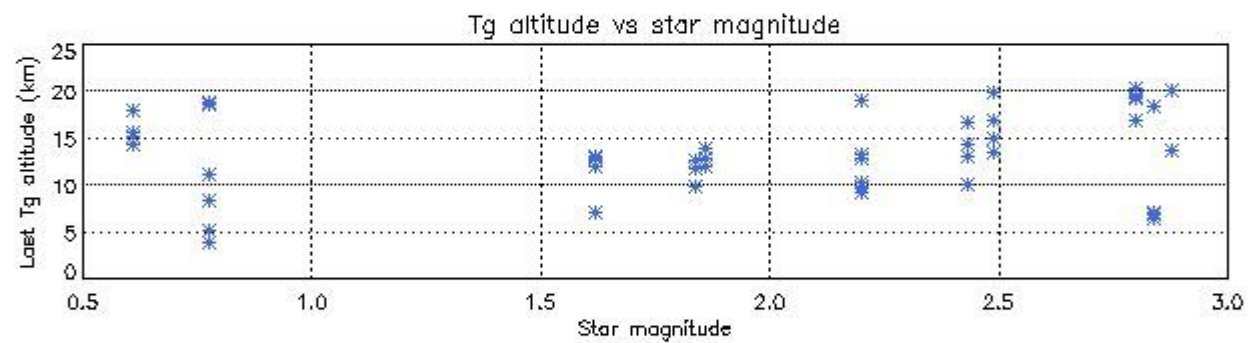
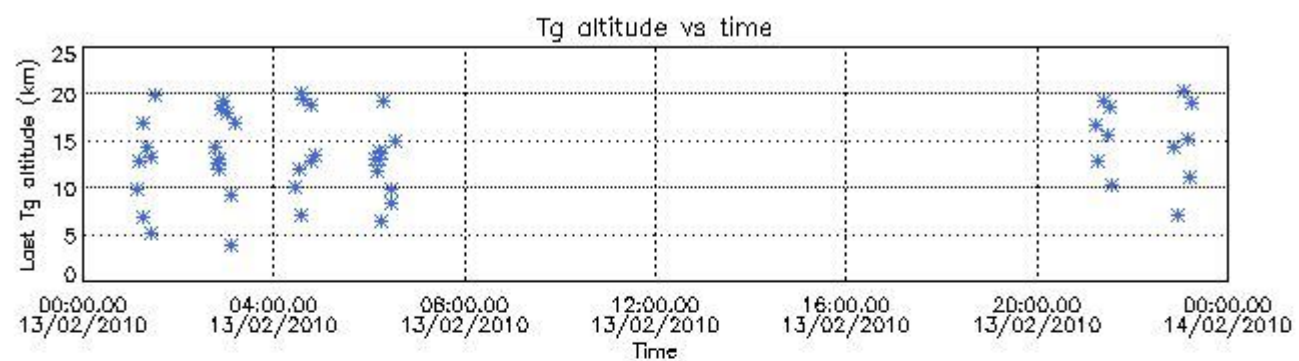
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.638	21.006	NaN
St. deviation:	4.3576	8.1989	NaN
Maximum:	20.371	48.274	NaN
Minimum:	3.8189	9.1221	NaN
Number of data:	48.000	49.000	NaN

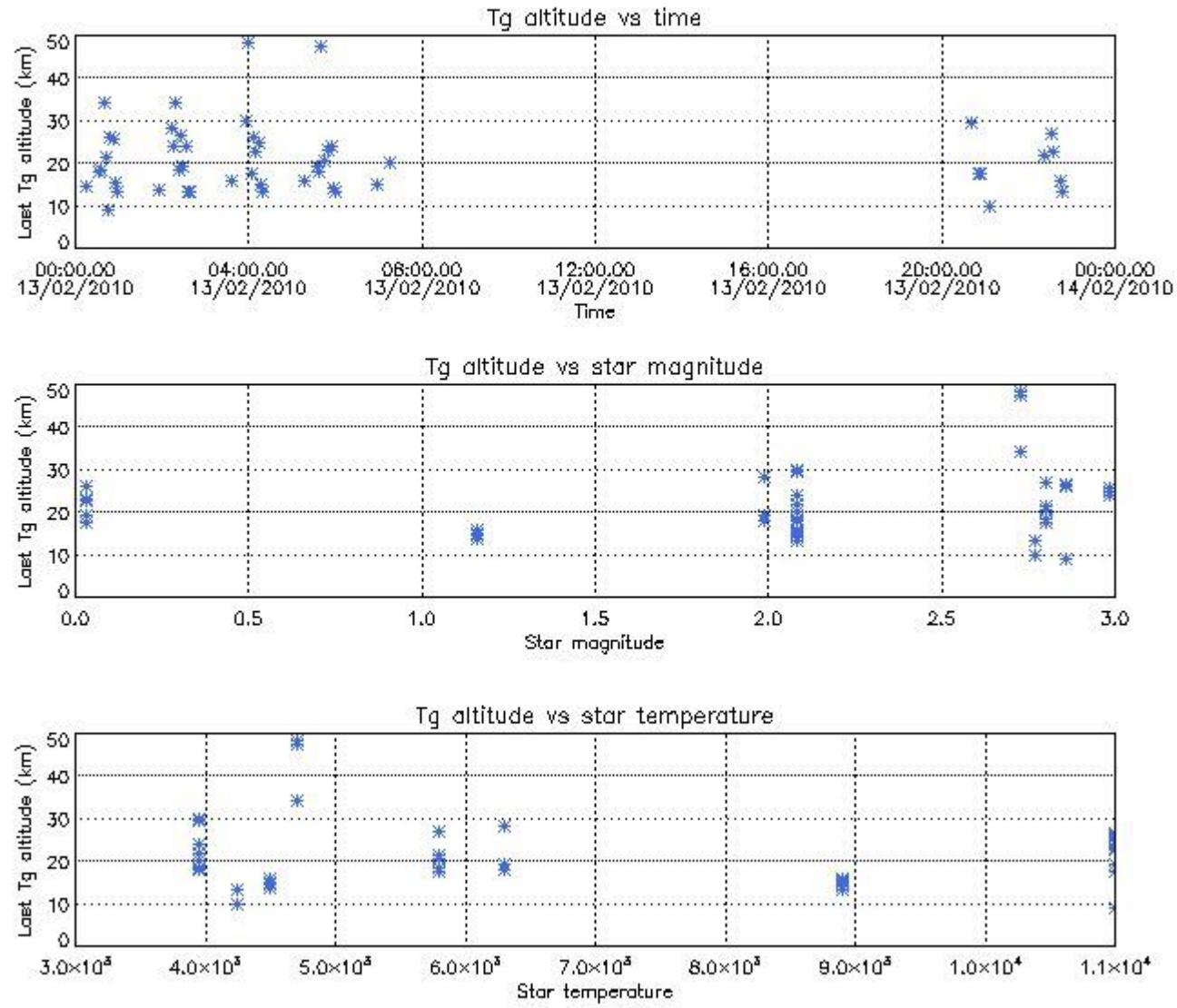
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

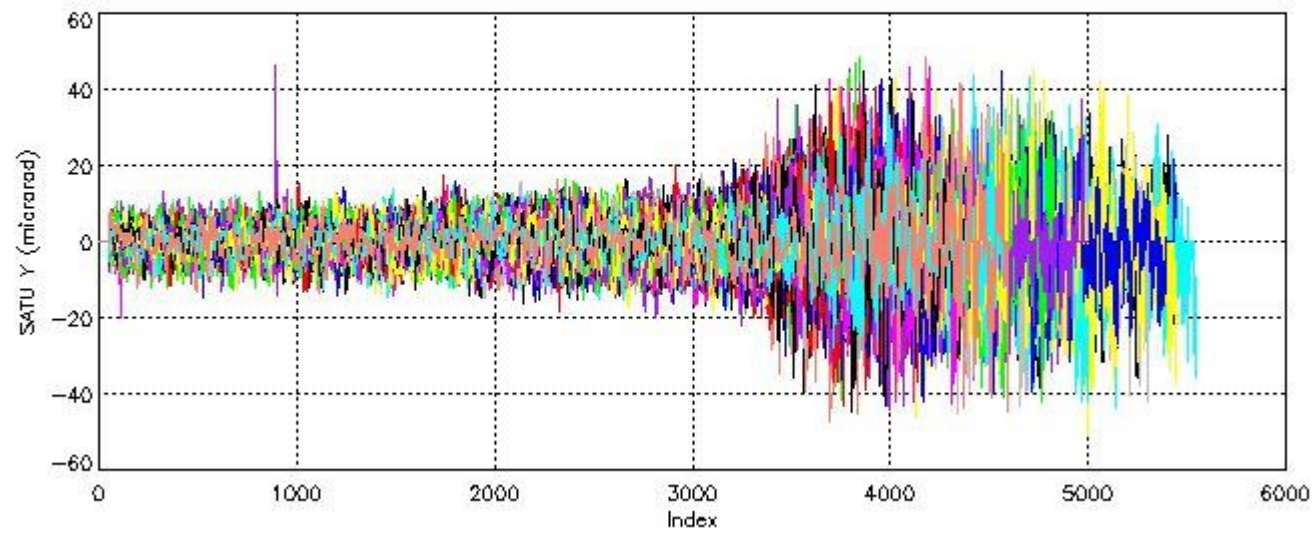
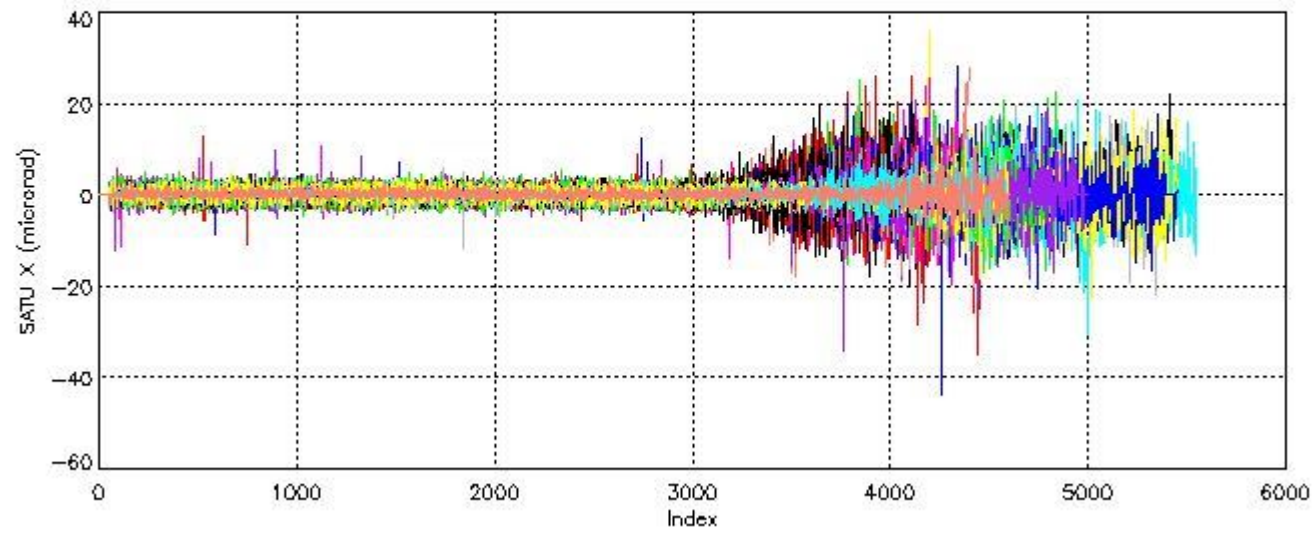


7. Star Acquisition and Tracking Unit (SATU)

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:	0.12185	-0.075979	0.085894	-0.12538
St. deviation:	0.74416	3.1801	0.65689	3.2417
Maximum:	12.800	46.400	6.3000	14.400
Minimum:	-12.300	-19.800	-5.7000	-15.000

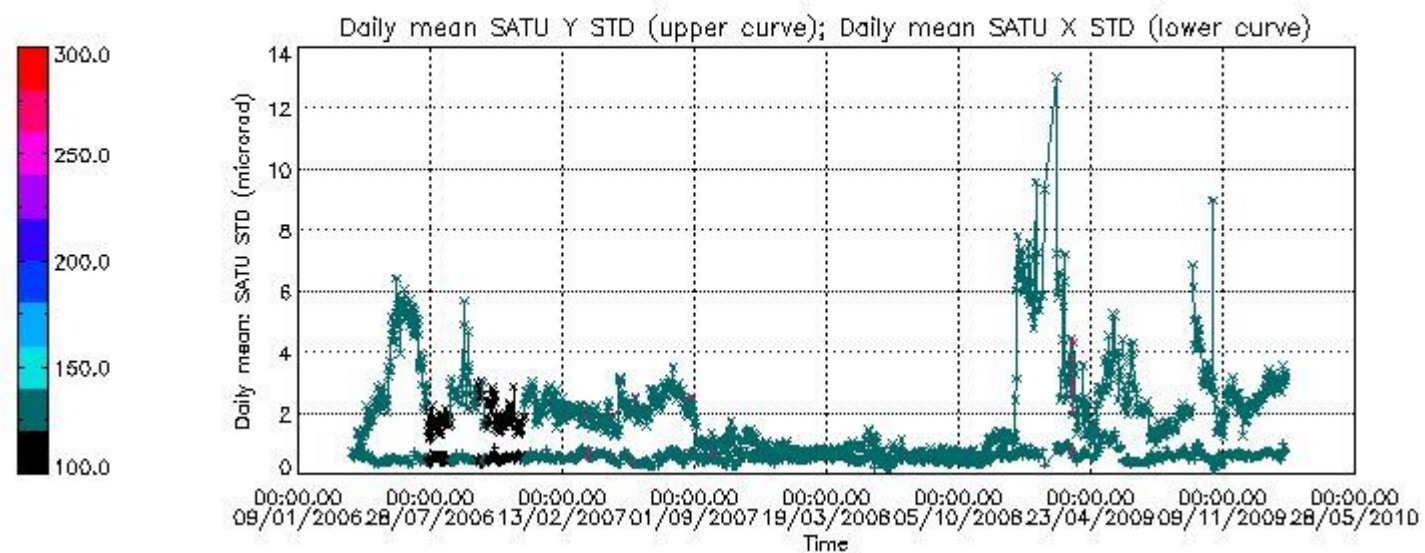
Number of data:	46350.	46350.	45200.	45200.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

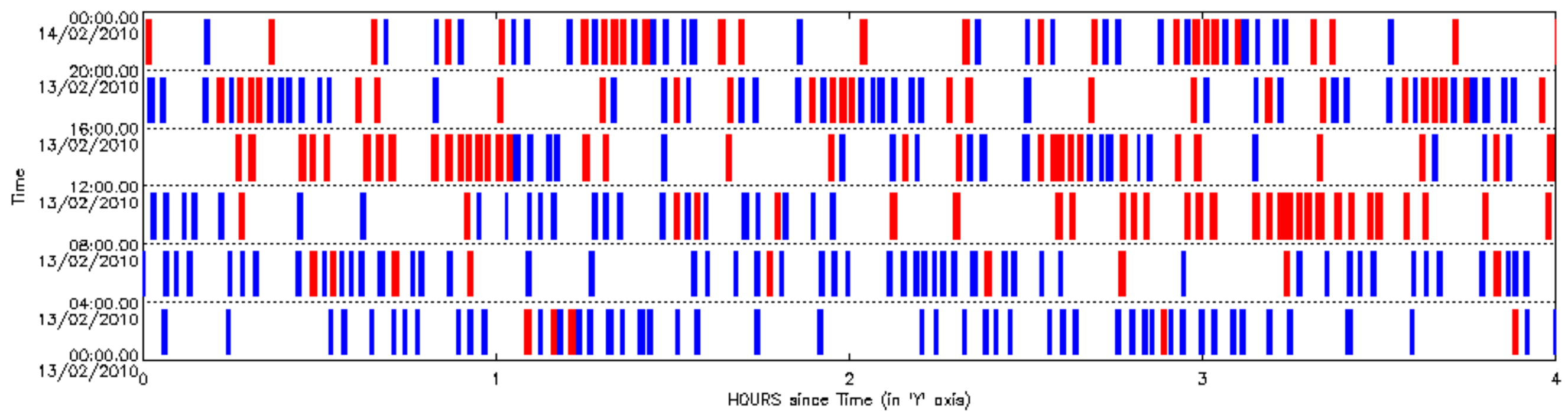
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

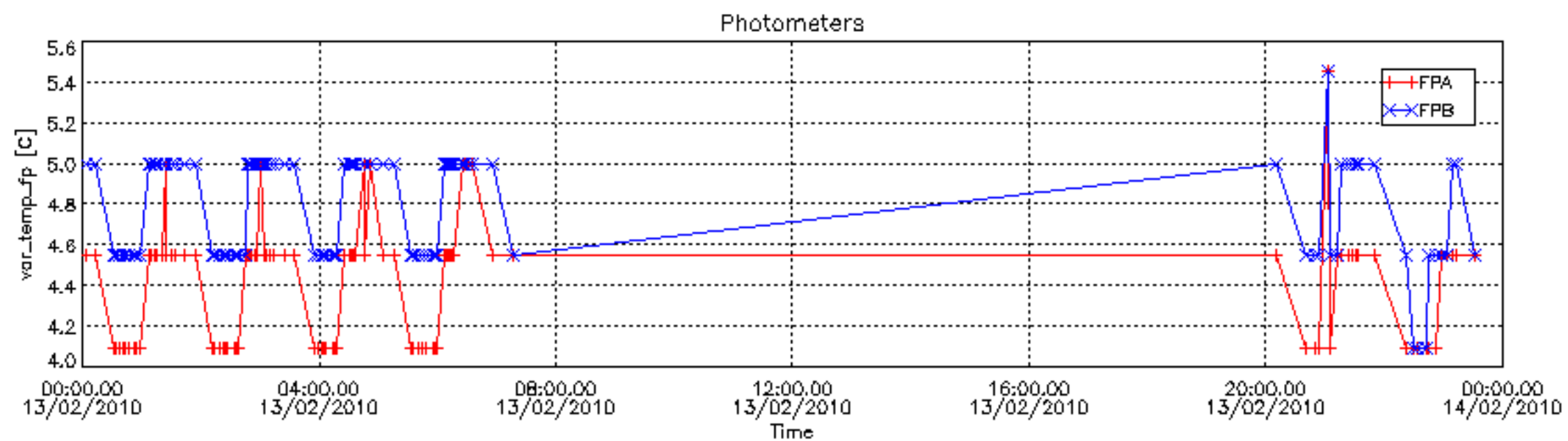
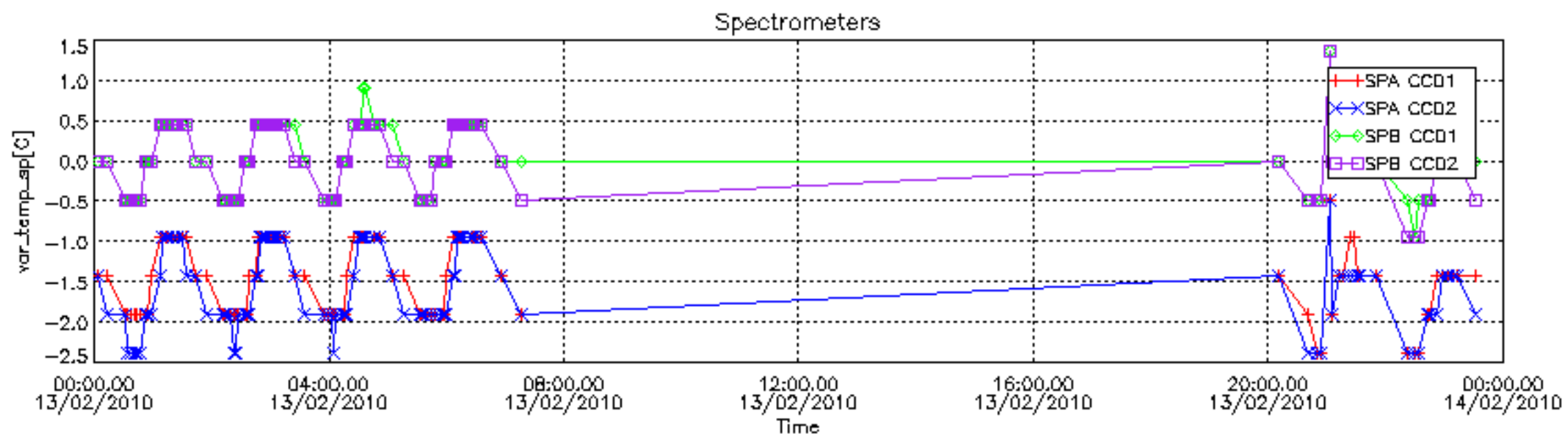


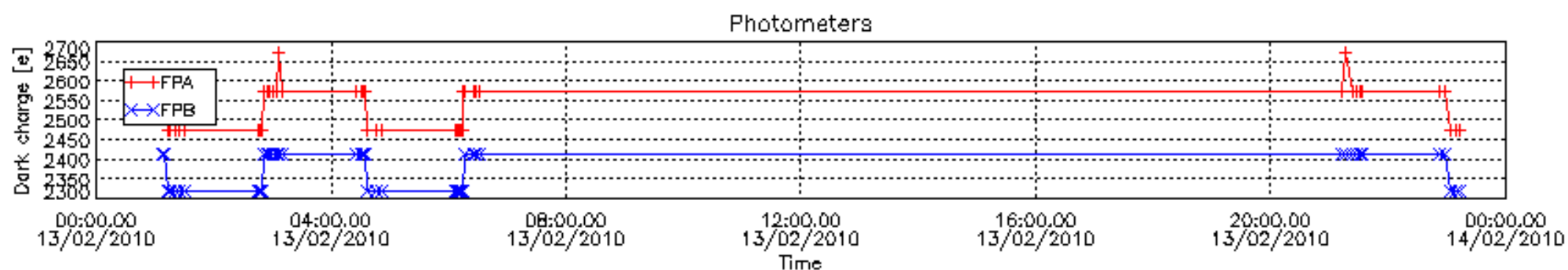
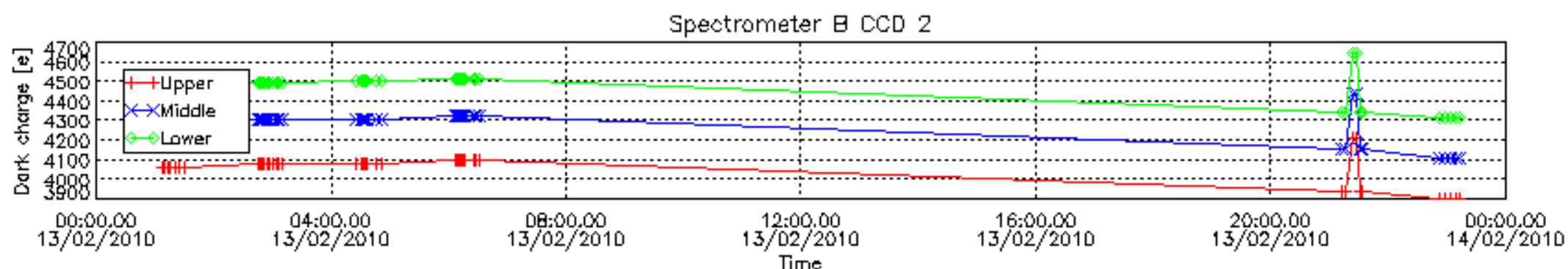
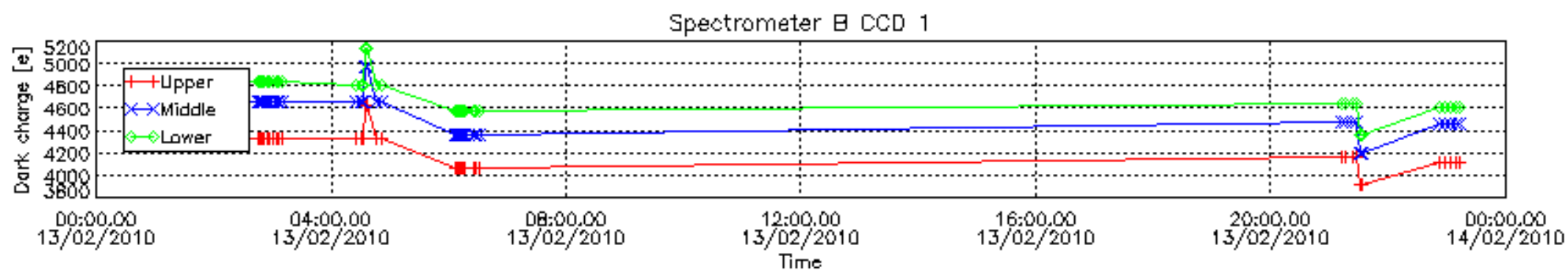
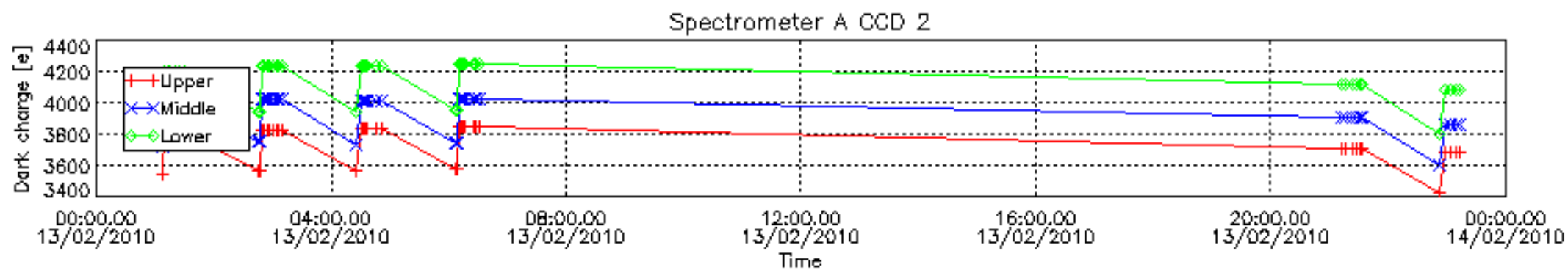
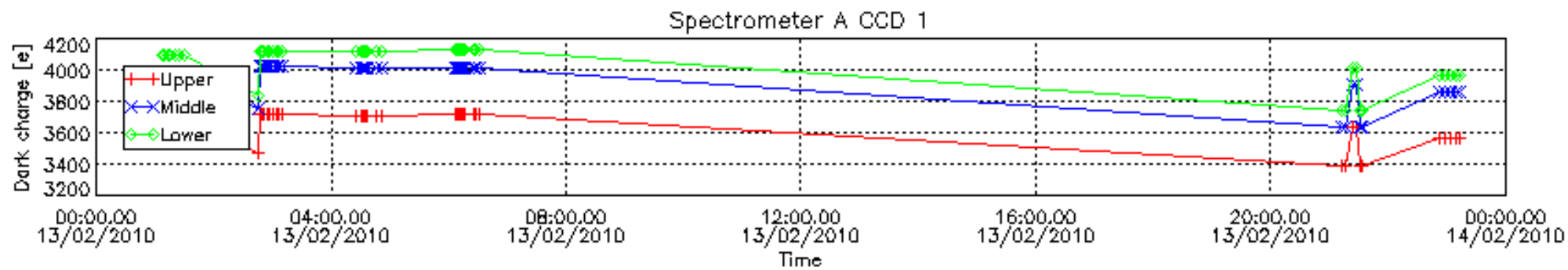
8. Auxiliary Data Files used for the production reported in section 2.4

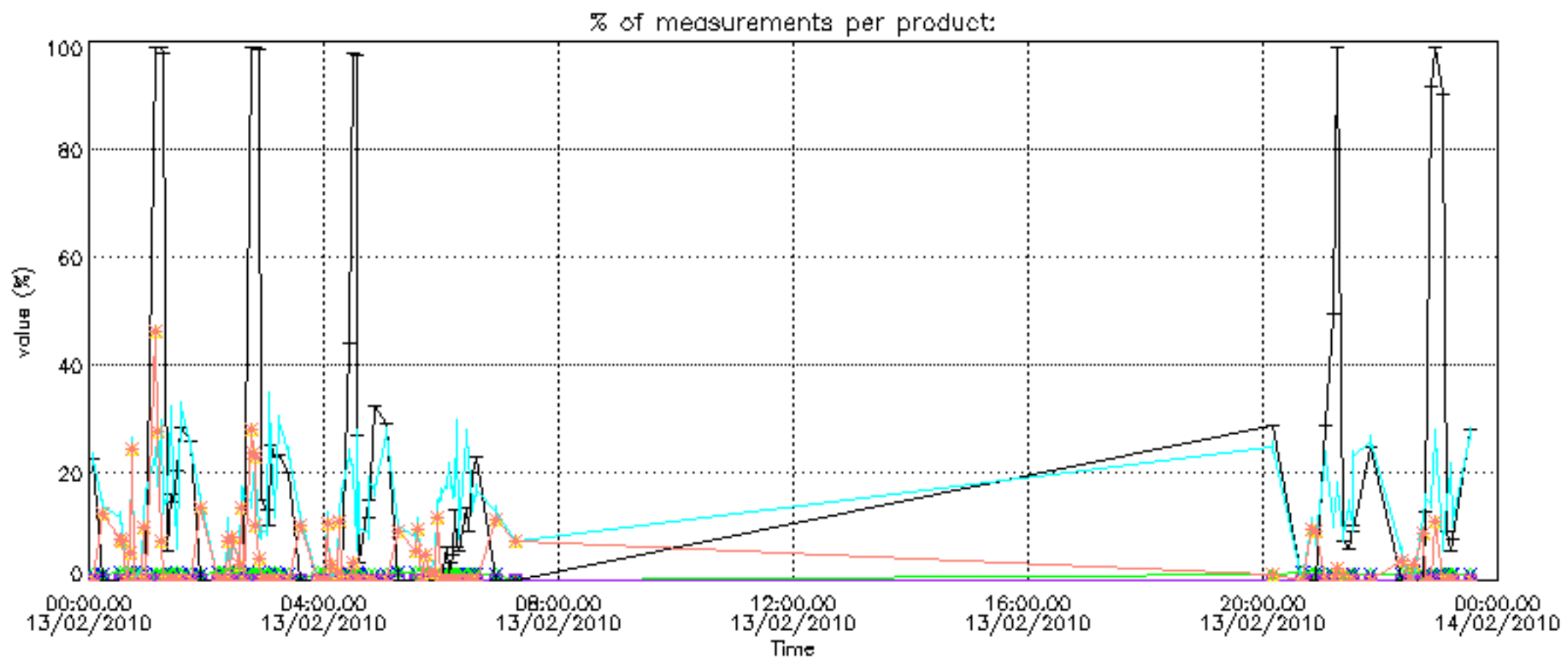
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	13-FEB-2010 00:03:11
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100210_103840_20100209_000000_20500101_000000	1	13-FEB-2010 00:03:11
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	13-FEB-2010 00:03:11
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	13-FEB-2010 00:03:11
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	13-FEB-2010 00:03:11
ECMWF_FILE	AUX_ECF_AXNECM20100212_062114_20100212_210000_20100213_090000	1	13-FEB-2010 00:03:11
ECMWF_FILE	AUX_ECF_AXNECM20100212_182114_20100213_030000_20100213_150000	45	13-FEB-2010 03:54:50
ECMWF_FILE	AUX_ECA_AXNECM20100213_062115_20100212_210000_20100213_090000	65	13-FEB-2010 05:40:17
ECMWF_FILE	AUX_ECF_AXNECM20100213_062116_20100213_150000_20100214_030000	84	13-FEB-2010 20:10:22
ECMWF_FILE	AUX_ECF_AXNECM20100213_062116_20100213_210000_20100214_090000	88	13-FEB-2010 21:02:26
OPTIONAL_ECMWF_FILE	MISSING	1	13-FEB-2010 00:03:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100212_231849_000057382086_00459_41595_9753.N1	1	13-FEB-2010 00:03:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100213_005946_000092452086_00460_41596_9754.N1	12	13-FEB-2010 01:07:03
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100212_120114_20100211_190401_20100221_203013	45	13-FEB-2010 03:54:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100213_053603_000057382086_00463_41599_9756.N1	65	13-FEB-2010 05:40:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100213_195128_000038252086_00472_41608_9757.N1	84	13-FEB-2010 20:10:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100213_210032_000060572086_00472_41608_9758.N1	88	13-FEB-2010 21:02:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100213_224648_000057382086_00473_41609_9759.N1	102	13-FEB-2010 22:52:32

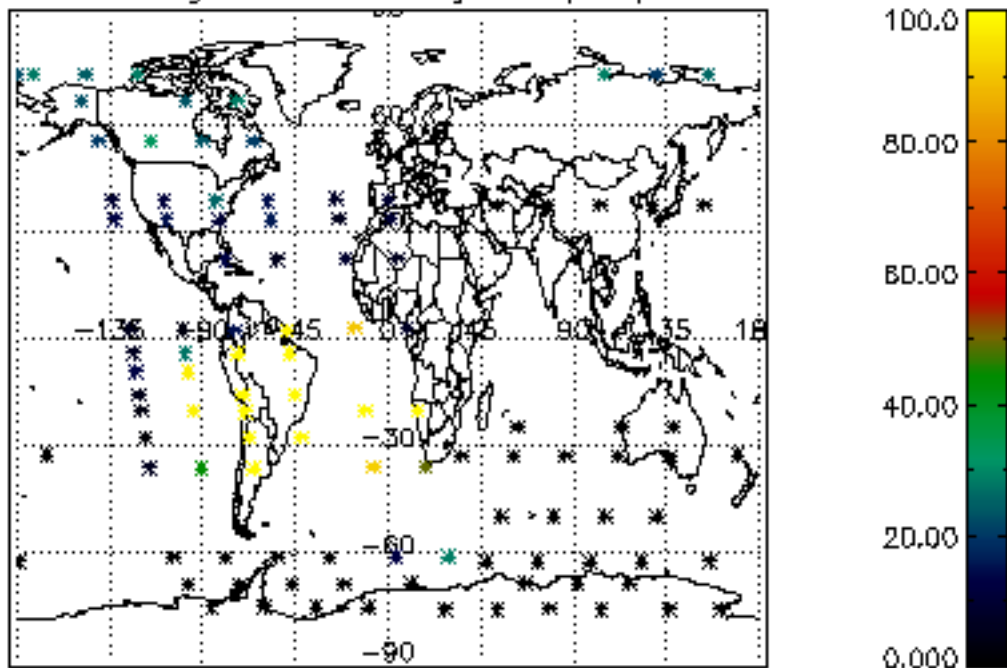




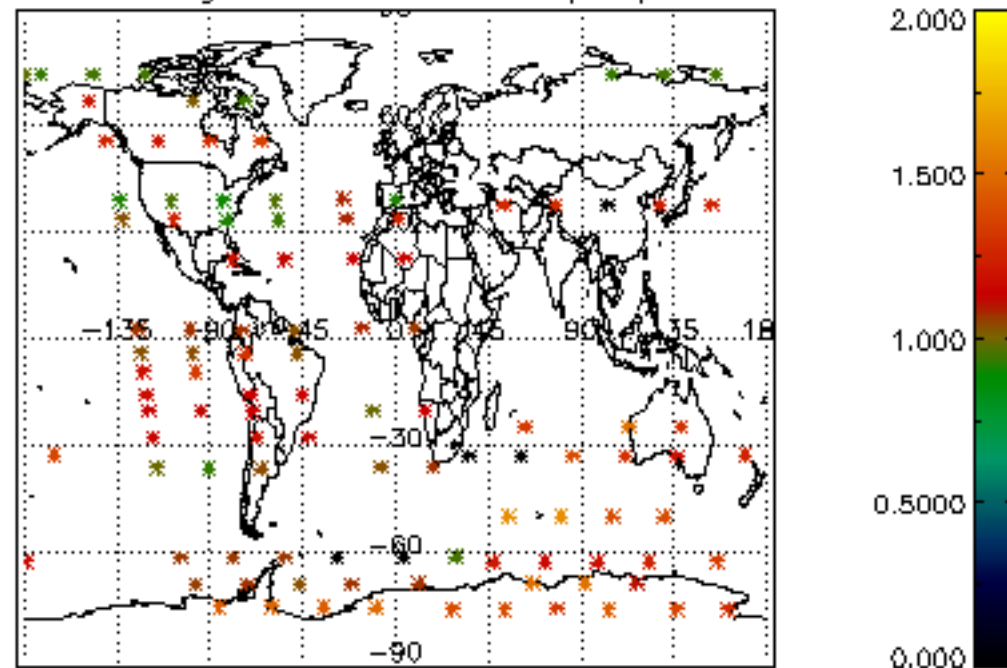




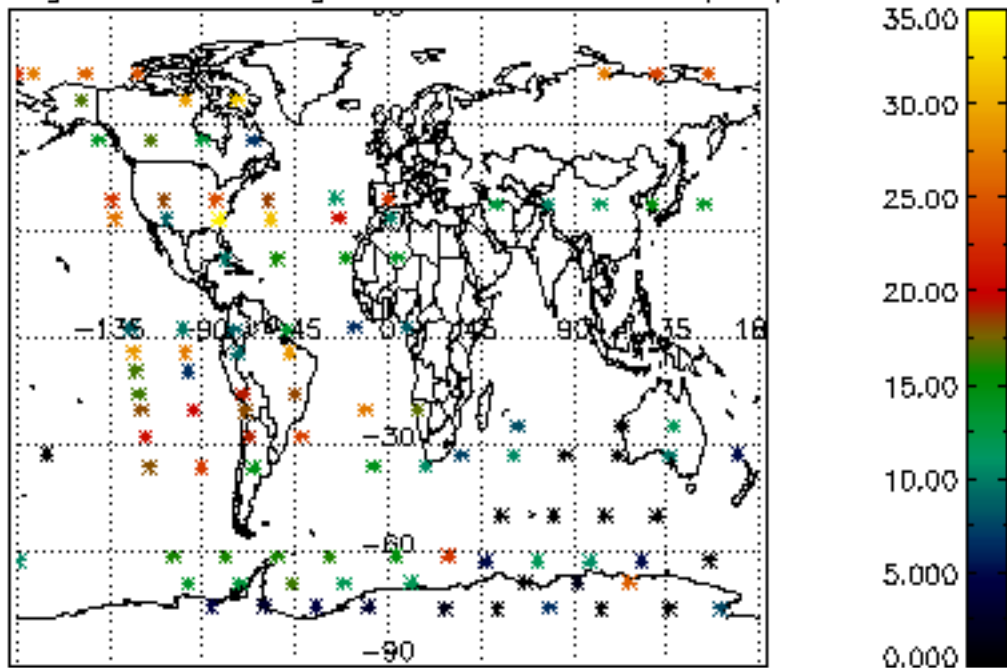
Percentage of cosmic ray hits per profile



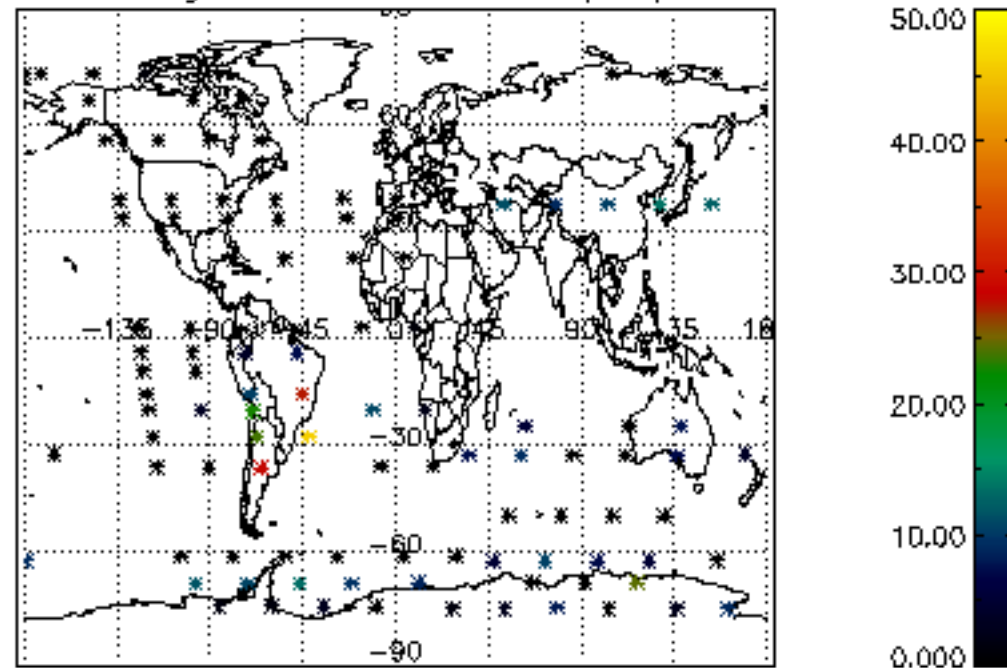
Percentage of datation errors per profile



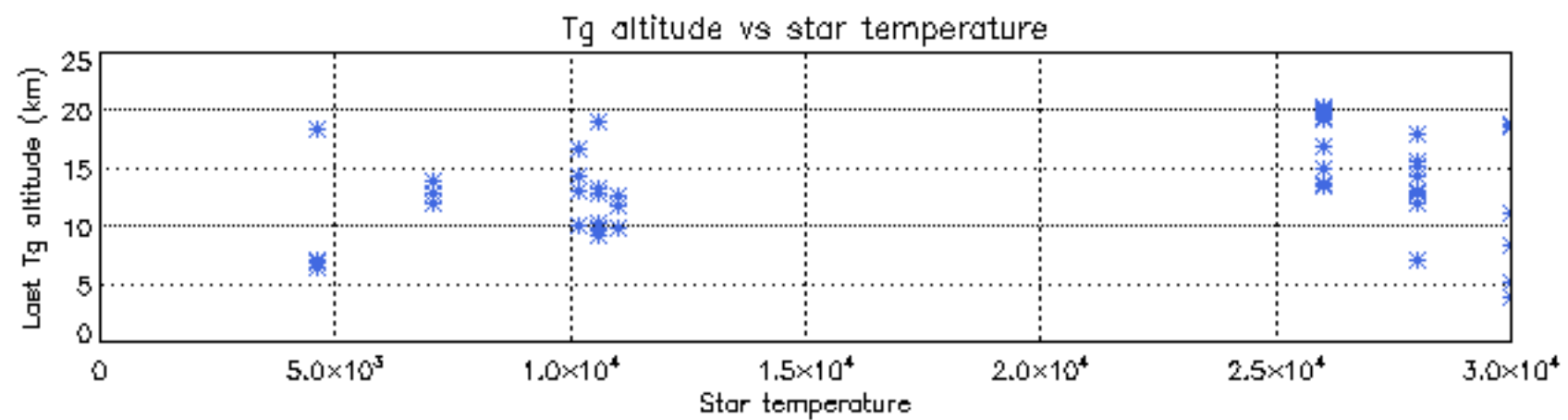
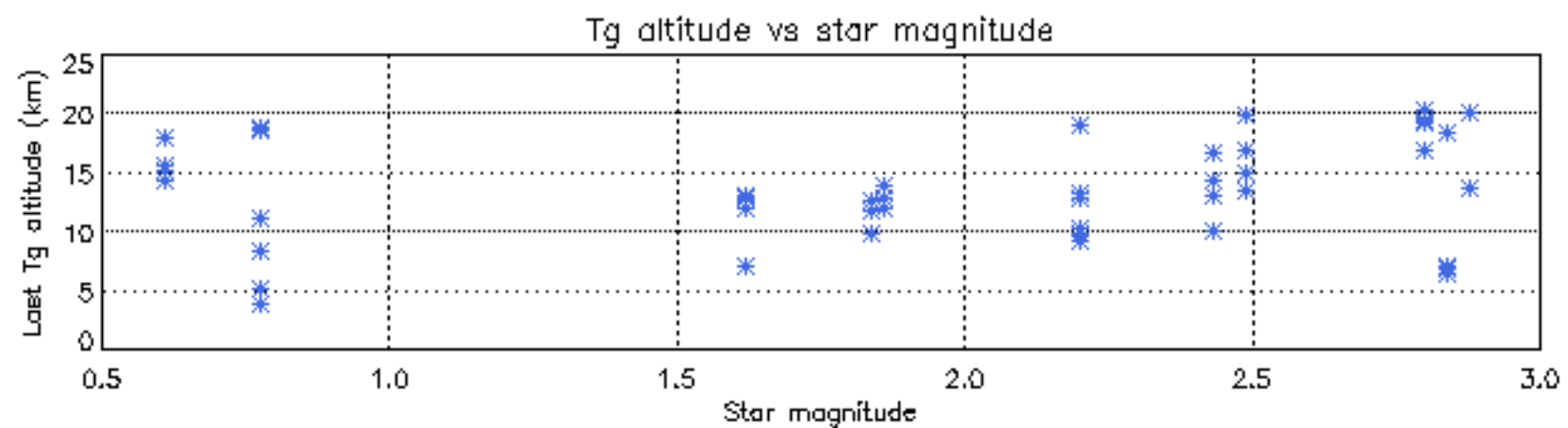
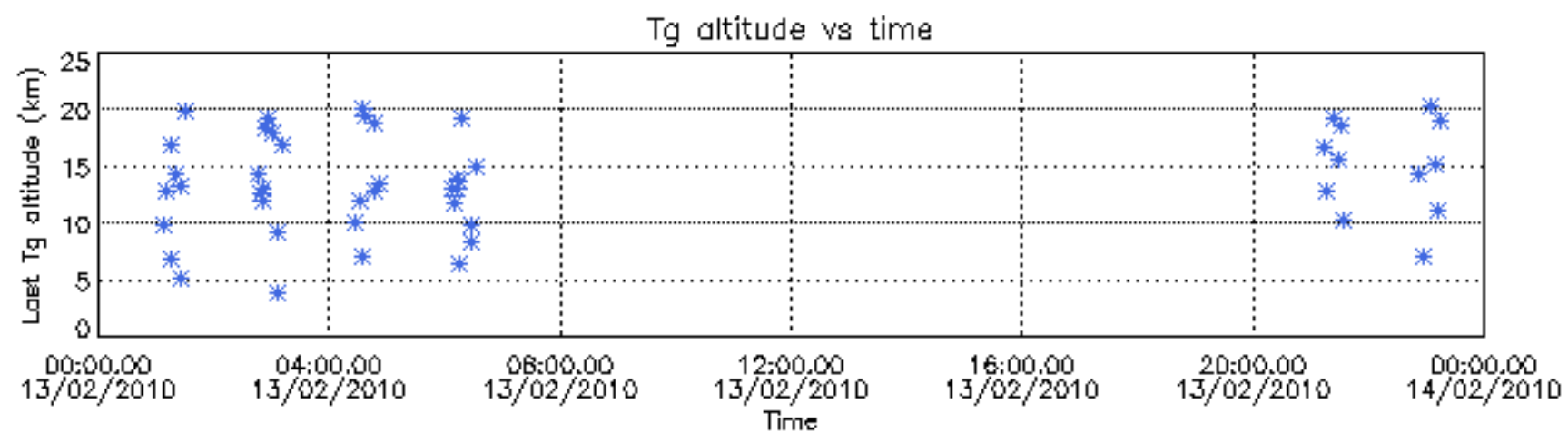
Percentage of star falling outside central band per profile



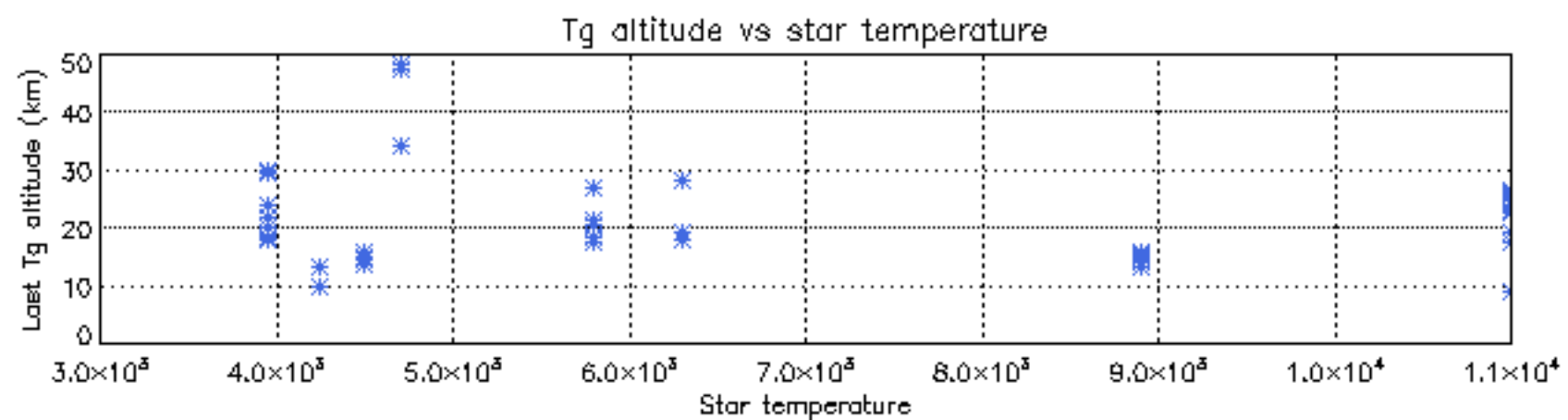
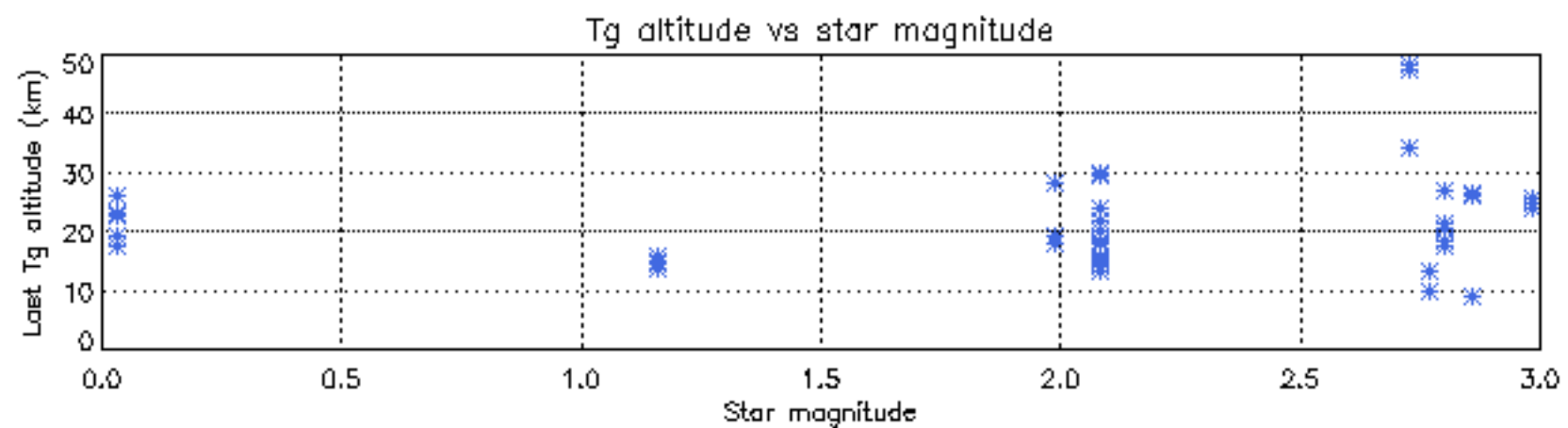
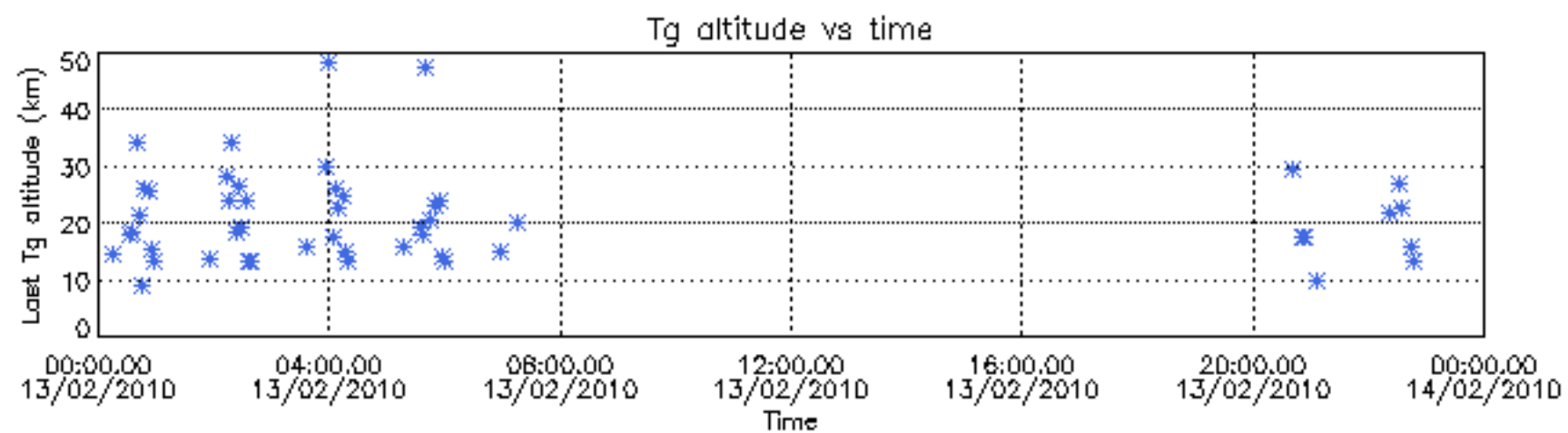
Percentage of saturation errors per profile

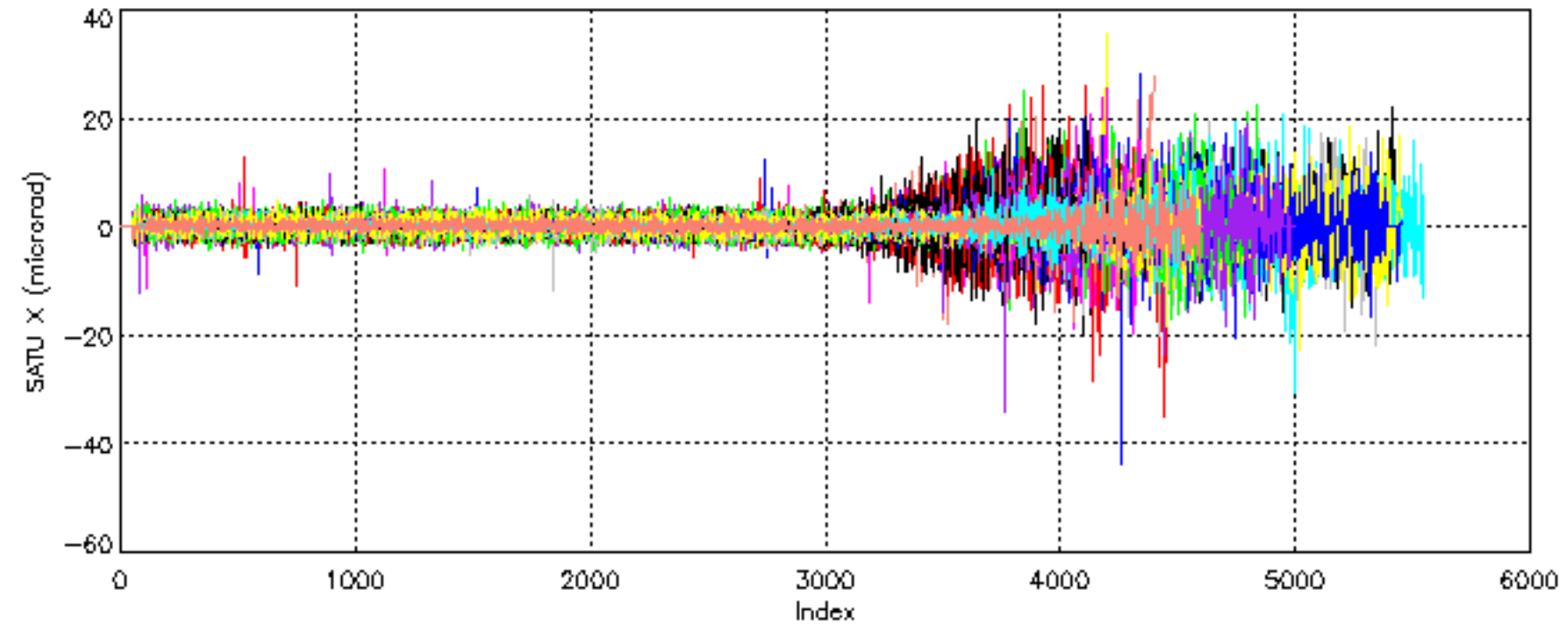


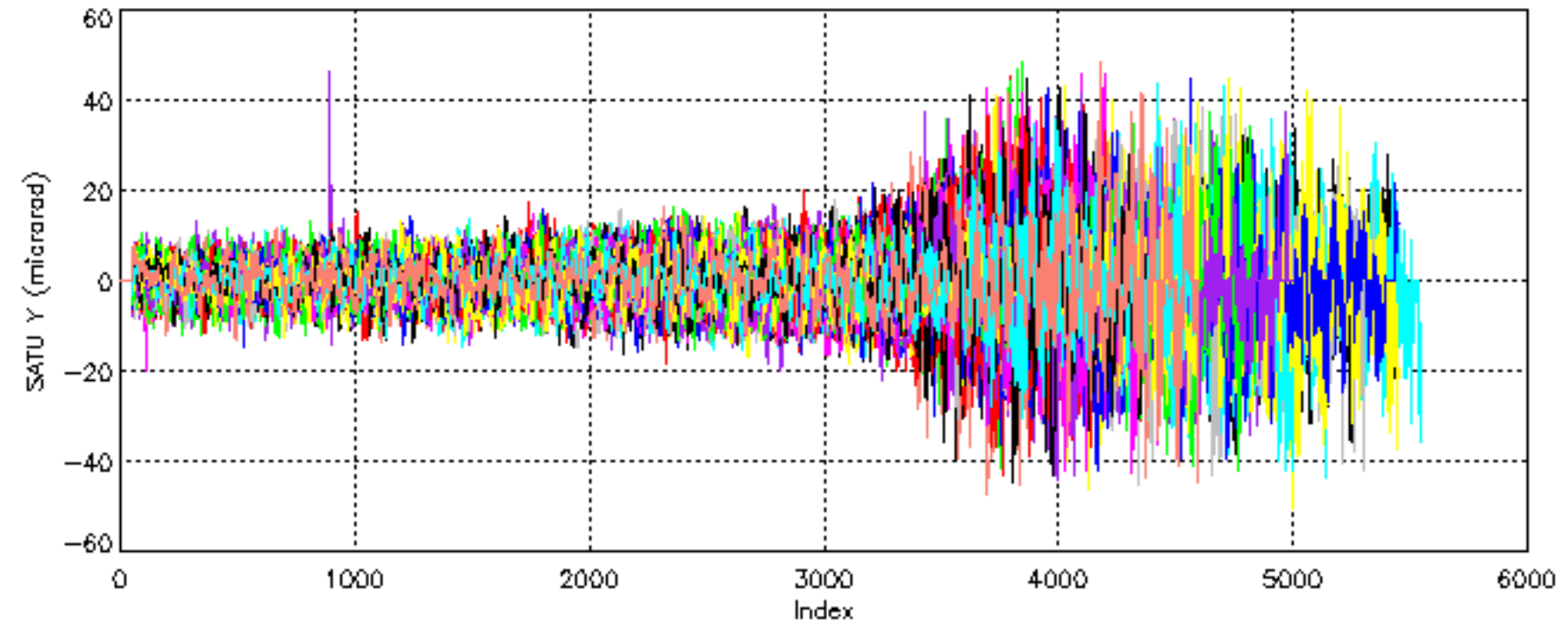
Tangent altitude at which the star is lost

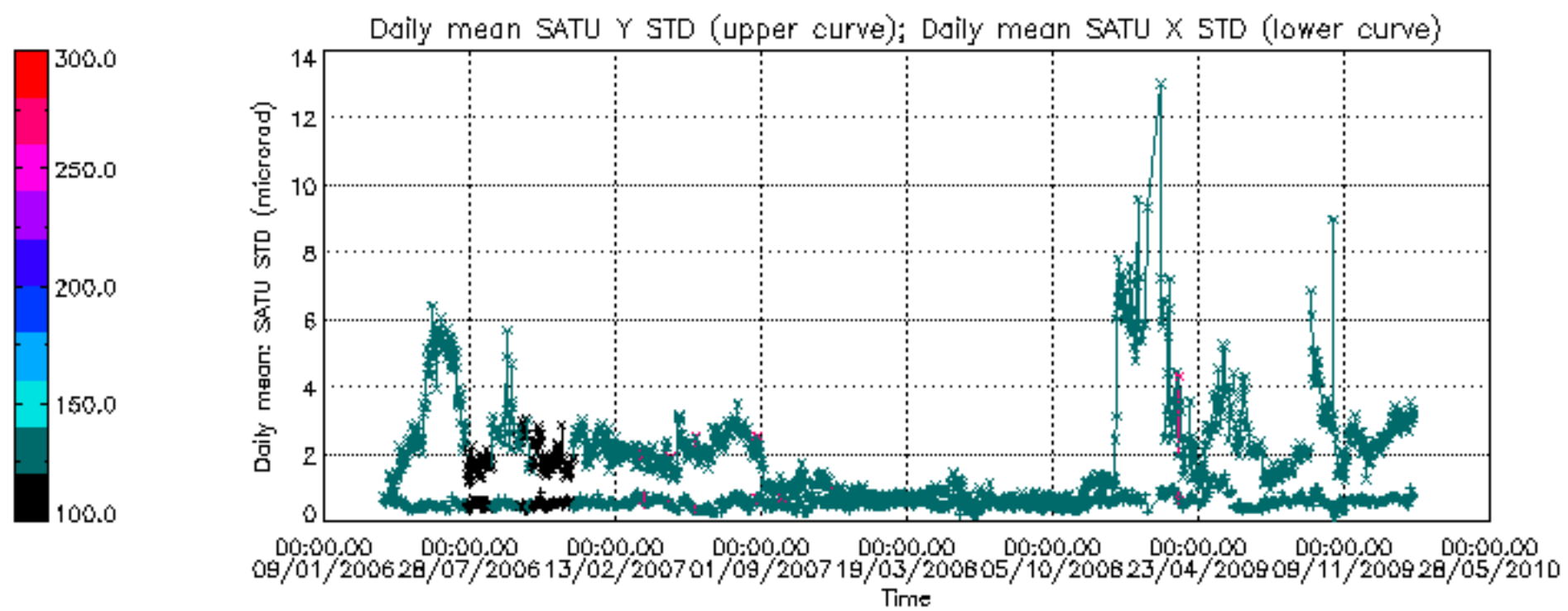


Tangent altitude at which the star is lost









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 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
 21; 3896.6; 01-FEB-2010 01:56:46; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41425
 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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 2; -721.4; 01-FEB-2010 02:20:24; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;41425
 3; -462.6; 01-FEB-2010 02:24:43; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;41425
 4; -378.9; 01-FEB-2010 02:26:07; Dark ; 44.5; 158; 6Pi Sco ; 2.91; 28000;occ; 89; 0;41425
 5; -115.5; 01-FEB-2010 02:30:30; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41425
 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
 8; 195.5; 01-FEB-2010 02:35:41; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;41426
 9; 312.2; 01-FEB-2010 02:37:38; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41426
 10; 470.9; 01-FEB-2010 02:40:17; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41426
 11; 592.5; 01-FEB-2010 02:42:18; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41426
 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
 14; 929.0; 01-FEB-2010 02:47:55; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41426
 15; 1080.4; 01-FEB-2010 02:50:26; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41426
 16; 1205.4; 01-FEB-2010 02:52:31; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41426
 17; 1467.2; 01-FEB-2010 02:56:53; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41426
 18; 1993.0; 01-FEB-2010 03:05:39; Dark ; 50.0; 8; 10Alp CMi ; 0.40; 6500;occ; 100; 0;41426
 19; 2341.2; 01-FEB-2010 03:11:27; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41426
 20; 2455.9; 01-FEB-2010 03:13:22; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;41426
 21; 3427.9; 01-FEB-2010 03:29:34; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41426

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 2; -2139.8; 01-FEB-2010 03:37:22; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41426
 3; -1949.0; 01-FEB-2010 03:40:33; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;41426
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 5; -1238.0; 01-FEB-2010 03:52:24; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;41426
 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
 8; -462.1; 01-FEB-2010 04:05:20; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;41426
 9; -378.0; 01-FEB-2010 04:06:44; Dark ; 44.0; 158; 6Pi Sco ; 2.91; 28000;occ; 88; 0;41426
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 11; 108.3; 01-FEB-2010 04:14:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41427
 12; 196.0; 01-FEB-2010 04:16:18; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;41427
 13; 312.7; 01-FEB-2010 04:18:14; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41427
 14; 471.4; 01-FEB-2010 04:20:53; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;41427
 15; 593.0; 01-FEB-2010 04:22:55; Dark ; 49.0; 99; Del Cen ; 2.58; 26000;occ; 98; 0;41427
 16; 709.3; 01-FEB-2010 04:24:51; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41427
 17; 824.6; 01-FEB-2010 04:26:46; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41427
 18; 929.4; 01-FEB-2010 04:28:31; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41427
 19; 1080.4; 01-FEB-2010 04:31:02; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41427

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21; 1467.8; 01-FEB-2010 04:37:29; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41427
22; 1992.7; 01-FEB-2010 04:46:14; Dark ; 50.0; 8; 10Alp CMi ; 0.40; 6500;occ; 100; 0;41427
23; 2341.6; 01-FEB-2010 04:52:03; Bright; 36.0; 170; 27Eps Gem ; 3.00; 9700;occ; 72; 0;41427
24; 2455.7; 01-FEB-2010 04:53:57; Bright; 38.5; 24; 66Alp Gem ; 1.58; 10200;occ; 77; 0;41427
25; 3427.6; 01-FEB-2010 05:10:09; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41427
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3; -1948.9; 01-FEB-2010 05:21:09; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41427
4; -1730.8; 01-FEB-2010 05:24:47; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41427
5; -1237.8; 01-FEB-2010 05:33:00; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;41427
6; -1109.8; 01-FEB-2010 05:35:08; Bright; 36.5; 126; 60Bet Oph ; 2.77; 4250;occ; 73; 0;41427
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12; 196.6; 01-FEB-2010 05:56:54; Dark ; 45.0; 4; Alp1Cen ; -0.01; 5800;occ; 90; 0;41428
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16; 709.7; 01-FEB-2010 06:05:27; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41428
17; 824.7; 01-FEB-2010 06:07:22; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;41428
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21; 1468.0; 01-FEB-2010 06:18:06; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41428
22; 1992.9; 01-FEB-2010 06:26:51; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;41428
23; 2341.7; 01-FEB-2010 06:32:39; Bright; 36.5; 170; 27Eps Gem ; 3.00; 9700;occ; 73; 0;41428
24; 2455.4; 01-FEB-2010 06:34:33; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;41428
25; 3427.8; 01-FEB-2010 06:50:45; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 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
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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
12; 4086.8; 01-FEB-2010 20:26:32; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41436
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
15; 4929.3; 01-FEB-2010 20:40:34; Bright; 36.0; 126; 60Bet Oph ; 2.77; 4250;occ; 72; 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
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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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 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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 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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 6; 3612.6; 01-FEB-2010 08:34:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;41429
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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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 21; 6752.0; 02-FEB-2010 15:37:32; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41447
 22; 6867.2; 02-FEB-2010 15:39:27; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;41447
 23; 6971.1; 02-FEB-2010 15:41:11; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;41447
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 8; 3892.4; 02-FEB-2010 16:30:28; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;41448
 9; 4086.6; 02-FEB-2010 16:33:43; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41448
 10; 4307.9; 02-FEB-2010 16:37:24; Bright; 32.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 65; 0;41448
 11; 4804.6; 02-FEB-2010 16:45:41; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;41448
 12; 4933.3; 02-FEB-2010 16:47:49; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;41448
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 15; 5678.3; 02-FEB-2010 17:00:14; Dark ; 45.0; 158; 6Pi Sco ; 2.91; 28000;occ; 90; 0;41448
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 17; 6244.1; 02-FEB-2010 17:09:40; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41448
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 19; 6519.1; 02-FEB-2010 17:14:15; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;41448
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 22; 6867.7; 02-FEB-2010 17:20:04; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41448
 23; 6971.5; 02-FEB-2010 17:21:47; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41448
 24; 7121.7; 02-FEB-2010 17:24:18; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;41448

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 9; 3891.8; 02-FEB-2010 18:11:04; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41449
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 11; 4308.2; 02-FEB-2010 18:18:00; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41449
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 13; 4933.3; 02-FEB-2010 18:28:25; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41449
 14; 5327.1; 02-FEB-2010 18:34:59; Dark ; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;41449
 15; 5590.6; 02-FEB-2010 18:39:23; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;41449
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 18; 6160.6; 02-FEB-2010 18:48:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41449
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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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 17; 6161.2; 02-FEB-2010 20:29:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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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 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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 28; 6164.1; 03-FEB-2010 03:11:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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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4; 308.8; 05-FEB-2010 22:18:53; Dark ; 47.5; 10; Bet Cen ; 0.61; 28000;occ; 95; 0;41495
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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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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;-1950.7; 06-FEB-2010 07:44:49; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;41500
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
5; -679.5; 06-FEB-2010 08:06:00; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41500
6; -537.5; 06-FEB-2010 08:08:22; Dark ; 43.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 87; 0;41500
7; -405.7; 06-FEB-2010 08:10:34; Dark ; 52.5; 16; 21Alp Sco ; 1.02; 3000;occ; 105; 0;41500
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
10; 569.9; 06-FEB-2010 08:26:50; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41501
11; 846.9; 06-FEB-2010 08:31:27; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41501
12; 949.2; 06-FEB-2010 08:33:09; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;41501
13; 1105.1; 06-FEB-2010 08:35:45; Dark ; 44.5; 65; Lam Vel ; 2.20; 4400;occ; 89; 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
7; 5356.9; 06-FEB-2010 09:46:37; Dark ; 49.0; 86; 35Eta Oph ; 2.43; 10200;occ; 98; 0;41501
8; 5731.4; 06-FEB-2010 09:52:51; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;41501
9; 6349.2; 06-FEB-2010 10:03:09; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41501
10; 6521.4; 06-FEB-2010 10:06:01; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;41501
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
14; 7141.4; 06-FEB-2010 10:16:21; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 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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7; 5357.3; 06-FEB-2010 11:27:13; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;41502
8; 5631.9; 06-FEB-2010 11:31:48; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;41502
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11; 6522.1; 06-FEB-2010 11:46:38; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;41502
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13; 6883.8; 06-FEB-2010 11:52:40; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 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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7; 3587.3; 07-FEB-2010 23:50:53; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41524
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19; 6593.8; 12-FEB-2010 17:01:06; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;41591
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3; 2385.7; 12-FEB-2010 17:31:34; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41592
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16; 6072.9; 12-FEB-2010 20:13:37; Dark ; 45.5; 131; Gam Lup ; 2.80; 26000;occ; 91; 0;41593
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21; 6969.1; 12-FEB-2010 20:28:33; Dark ; 42.0; 91; Kap Vel ; 2.49; 26000;occ; 84; 0;41593

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2; -1021.7; 16-FEB-2010 01:03:31; Dark ; 50.5; 126; 60Bet Oph ; 2.77; 4250;occ; 101; 0;41639
3; -577.5; 16-FEB-2010 01:10:55; Dark ; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;41639
4; -319.5; 16-FEB-2010 01:15:13; Dark ; 40.0; 25; 35Lam Sco ; 1.62; 28000;occ; 80; 0;41639
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2; 323.3; 16-FEB-2010 11:29:31; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;41646
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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2; 3551.9; 16-FEB-2010 12:23:20; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41646
3; 4072.4; 16-FEB-2010 12:32:00; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;41646
4; 4329.9; 16-FEB-2010 12:36:18; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;41646
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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7; 6095.4; 16-FEB-2010 13:05:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41646
8; 6359.6; 16-FEB-2010 13:10:07; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;41646
9; 6438.3; 16-FEB-2010 13:11:26; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41646
10; 6522.0; 16-FEB-2010 13:12:50; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41646
11; 6621.0; 16-FEB-2010 13:14:29; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41646
12; 6724.1; 16-FEB-2010 13:16:12; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;41646
13; 6965.3; 16-FEB-2010 13:20:13; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41646
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3; 4072.5; 16-FEB-2010 14:12:36; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41647
4; 4330.5; 16-FEB-2010 14:16:54; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41647
5; 5019.2; 16-FEB-2010 14:28:23; Dark ; 50.5; 126; 60Bet Oph ; 2.77; 4250;occ; 101; 0;41647
6; 5721.4; 16-FEB-2010 14:40:05; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41647
7; 6095.9; 16-FEB-2010 14:46:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41647
8; 6360.1; 16-FEB-2010 14:50:44; Dark ; 45.5; 4; Alp1Cen ;-0.01; 5800;occ; 91; 0;41647
9; 6439.0; 16-FEB-2010 14:52:03; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;41647
10; 6522.5; 16-FEB-2010 14:53:26; Dark ; 46.0; 77; Eps Cen ; 2.30; 28000;occ; 92; 0;41647
11; 6620.9; 16-FEB-2010 14:55:05; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;41647
12; 6725.3; 16-FEB-2010 14:56:49; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41647
13; 6965.9; 16-FEB-2010 15:00:49; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;41647
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3; 4072.3; 16-FEB-2010 15:53:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41648
4; 4330.3; 16-FEB-2010 15:57:30; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41648
5; 5019.7; 16-FEB-2010 16:08:59; Dark ; 50.5; 126; 60Bet Oph ; 2.77; 4250;occ; 101; 0;41648
6; 5443.1; 16-FEB-2010 16:16:03; Dark ; 41.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 82; 0;41648
7; 5590.0; 16-FEB-2010 16:18:29; Dark ; 42.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 85; 0;41648
8; 5721.8; 16-FEB-2010 16:20:41; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41648
9; 6096.5; 16-FEB-2010 16:26:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41648
10; 6360.6; 16-FEB-2010 16:31:20; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;41648
11; 6439.6; 16-FEB-2010 16:32:39; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41648
12; 6523.3; 16-FEB-2010 16:34:03; Dark ; 45.5; 77; Eps Cen ; 2.30; 28000;occ; 91; 0;41648
13; 6621.5; 16-FEB-2010 16:35:41; Dark ; 50.5; 12; Alp1Cru ; 0.77; 30000;occ; 101; 0;41648
14; 6725.9; 16-FEB-2010 16:37:25; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41648
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3; 4072.2; 16-FEB-2010 17:33:48; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41649
4; 4330.7; 16-FEB-2010 17:38:06; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;41649
5; 5020.2; 16-FEB-2010 17:49:36; Dark ; 52.5; 126; 60Bet Oph ; 2.77; 4250;occ; 105; 0;41649
6; 5590.1; 16-FEB-2010 17:59:06; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;41649
7; 5722.6; 16-FEB-2010 18:01:18; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41649
8; 6097.0; 16-FEB-2010 18:07:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41649
9; 6361.3; 16-FEB-2010 18:11:57; Dark ; 54.0; 4; Alp1Cen ;-0.01; 5800;occ; 108; 0;41649
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11; 6524.2; 16-FEB-2010 18:14:40; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41649
12; 6622.3; 16-FEB-2010 18:16:18; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41649
13; 6726.4; 16-FEB-2010 18:18:02; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;41649
14; 6966.7; 16-FEB-2010 18:22:02; Dark ; 41.0; 113; Mu Vel ; 2.69; 5000;occ; 82; 0;41649
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3; 4072.0; 16-FEB-2010 19:14:23; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;41650
4; 4330.2; 16-FEB-2010 19:18:42; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;41650
5; 5020.9; 16-FEB-2010 19:30:12; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41650
6; 5723.0; 16-FEB-2010 19:41:55; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;41650
7; 6097.5; 16-FEB-2010 19:48:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41650
8; 6361.7; 16-FEB-2010 19:52:33; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;41650
9; 6440.8; 16-FEB-2010 19:53:52; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41650
10; 6525.0; 16-FEB-2010 19:55:17; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41650
11; 6622.8; 16-FEB-2010 19:56:54; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41650
12; 6727.4; 16-FEB-2010 19:58:39; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41650
13; 6967.1; 16-FEB-2010 20:02:39; Dark ; 5.0; 113; Mu Vel ; 2.69; 5000;occ; 10; 0;41650
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4; 406.6; 17-FEB-2010 00:55:42; Dark ; 45.5; 10; Bet Cen ; 0.61; 28000;occ; 91; 0;41654
5; 491.2; 17-FEB-2010 00:57:06; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41654
6; 588.1; 17-FEB-2010 00:58:43; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;41654
7; 693.4; 17-FEB-2010 01:00:28; Dark ; 51.5; 64; Gam Cen ; 2.20; 10600;occ; 103; 0;41654
8; 932.2; 17-FEB-2010 01:04:27; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;41654
9; 1740.1; 17-FEB-2010 01:17:55; Dark ; 50.0; 48; 30Alp Hya ; 1.98; 4100;occ; 100; 0;41654
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11; 4071.6; 17-FEB-2010 01:56:47; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;41654
12; 4330.6; 17-FEB-2010 02:01:06; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41654
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3; 328.1; 17-FEB-2010 02:34:59; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41655
4; 407.3; 17-FEB-2010 02:36:18; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;41655
5; 492.3; 17-FEB-2010 02:37:43; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41655
6; 588.9; 17-FEB-2010 02:39:20; Dark ; 49.5; 12; Alp1Cru ; 0.77; 30000;occ; 99; 0;41655
7; 694.4; 17-FEB-2010 02:41:05; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41655
8; 932.7; 17-FEB-2010 02:45:04; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;41655
9; 1740.3; 17-FEB-2010 02:58:31; Dark ; 49.5; 48; 30Alp Hya ; 1.98; 4100;occ; 99; 0;41655
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3; -1705.3; 17-FEB-2010 03:41:42; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41655
4; -1012.3; 17-FEB-2010 03:53:14; Dark ; 49.0; 126; 60Bet Oph ; 2.77; 4250;occ; 98; 0;41655
5; -309.8; 17-FEB-2010 04:04:57; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41655
6; 64.1; 17-FEB-2010 04:11:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41656
7; 328.8; 17-FEB-2010 04:15:36; Dark ; 49.0; 4; Alp1Cen ;-0.01; 5800;occ; 98; 0;41656
8; 407.9; 17-FEB-2010 04:16:55; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41656
9; 492.8; 17-FEB-2010 04:18:20; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41656
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13; 1740.5; 17-FEB-2010 04:39:07; Dark ; 52.0; 48; 30Alp Hya ; 1.98; 4100;occ; 104; 0;41656
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5; 64.6; 17-FEB-2010 05:51:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41657
6; 329.1; 17-FEB-2010 05:56:12; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41657
7; 408.4; 17-FEB-2010 05:57:31; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;41657
8; 493.5; 17-FEB-2010 05:58:56; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;41657
9; 589.6; 17-FEB-2010 06:00:32; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;41657
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11; 933.9; 17-FEB-2010 06:06:17; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41657
12; 1740.5; 17-FEB-2010 06:19:43; Dark ; 52.0; 48; 30Alp Hya ; 1.98; 4100;occ; 104; 0;41657
13; 3548.5; 17-FEB-2010 06:49:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;41657
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3; 69.2; 17-FEB-2010 22:37:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41667
4; 335.5; 17-FEB-2010 22:42:18; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41667
5; 414.8; 17-FEB-2010 22:43:37; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;41667
6; 501.2; 17-FEB-2010 22:45:04; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41667
7; 594.4; 17-FEB-2010 22:46:37; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41667
8; 703.2; 17-FEB-2010 22:48:26; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41667

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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
5; 5026.5; 17-FEB-2010 12:16:17; Dark ; 55.5; 126; 60Bet Oph ; 2.77; 4250;occ; 111; 0;41660
6; 5729.1; 17-FEB-2010 12:28:00; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;41660
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4; 4331.0; 17-FEB-2010 13:45:18; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;41661
5; 5026.7; 17-FEB-2010 13:56:53; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41661
6; 5729.6; 17-FEB-2010 14:08:36; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41661

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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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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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8; 714.5; 18-FEB-2010 23:57:36; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;41682
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7; 418.0; 18-FEB-2010 07:06:40; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41672
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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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7; 6374.8; 18-FEB-2010 08:45:57; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;41672
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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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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
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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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7; 6109.0; 18-FEB-2010 12:02:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41674
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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
7; 6109.6; 18-FEB-2010 13:43:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41675
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4; 4332.6; 18-FEB-2010 14:54:18; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41676
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 2; 1742.3; 19-FEB-2010 17:00:43; Dark ; 48.5; 48; 30Alp Hya ; 1.98; 4100;occ; 97; 0;41692
 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
 10; 5436.2; 19-FEB-2010 18:02:17; Dark ; 42.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 85; 0;41692
 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
 14; 6119.0; 19-FEB-2010 18:13:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41692
 15; 6387.1; 19-FEB-2010 18:18:08; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;41692
 16; 6466.8; 19-FEB-2010 18:19:27; Dark ; 47.5; 10; Bet Cen ; 0.61; 28000;occ; 95; 0;41692
 17; 6643.0; 19-FEB-2010 18:22:24; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41692
 18; 6758.6; 19-FEB-2010 18:24:19; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41692
 19; 6985.3; 19-FEB-2010 18:28:06; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;41692

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 2; 1742.5; 19-FEB-2010 18:41:19; Dark ; 45.0; 48; 30Alp Hya ; 1.98; 4100;occ; 90; 0;41693
 3; 3431.5; 19-FEB-2010 19:09:28; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41693
 4; 3537.0; 19-FEB-2010 19:11:14; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41693
 5; 4065.6; 19-FEB-2010 19:20:02; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41693
 6; 4333.6; 19-FEB-2010 19:24:30; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;41693
 7; 4758.7; 19-FEB-2010 19:31:35; Bright; 54.0; 168; 17Zet Aql ; 2.99; 11000;occ; 108; 0;41693
 8; 5334.5; 19-FEB-2010 19:41:11; Dark ; 42.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 85; 0;41693
 9; 5436.4; 19-FEB-2010 19:42:53; Dark ; 40.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 80; 0;41693
 10; 5750.4; 19-FEB-2010 19:48:07; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;41693
 11; 5838.3; 19-FEB-2010 19:49:35; Dark ; 57.5; 75; 26Eps Sco ; 2.29; 4250;occ; 115; 0;41693
 12; 6007.5; 19-FEB-2010 19:52:24; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;41693
 13; 6119.5; 19-FEB-2010 19:54:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41693
 14; 6387.8; 19-FEB-2010 19:58:44; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;41693
 15; 6467.3; 19-FEB-2010 20:00:04; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;41693
 16; 6643.2; 19-FEB-2010 20:03:00; Dark ; 54.0; 12; Alp1Cru ; 0.77; 30000;occ; 108; 0;41693
 17; 6759.3; 19-FEB-2010 20:04:56; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41693

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3; 436.4; 20-FEB-2010 09:24:56; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41702
4; 729.0; 20-FEB-2010 09:29:49; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41702
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2; 2355.8; 20-FEB-2010 09:56:56; Bright; 43.5; 166; 17Eps Leo ; 2.98; 6000;occ; 87; 0;41702
3; 3534.1; 20-FEB-2010 10:16:34; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41702
4; 4092.5; 20-FEB-2010 10:25:52; Bright; 38.0; 69; 33Gam Dra ; 2.23; 3800;occ; 76; 0;41702
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
7; 5756.1; 20-FEB-2010 10:53:36; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;41702
8; 5846.6; 20-FEB-2010 10:55:07; Dark ; 51.5; 75; 26Eps Sco ; 2.29; 4250;occ; 103; 0;41702
9; 6124.1; 20-FEB-2010 10:59:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41702
10; 6393.0; 20-FEB-2010 11:04:13; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;41702
11; 6472.9; 20-FEB-2010 11:05:33; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41702
12; 6765.7; 20-FEB-2010 11:10:26; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 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
3; 3533.7; 20-FEB-2010 11:57:10; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41703
4; 4092.4; 20-FEB-2010 12:06:28; Bright; 42.5; 69; 33Gam Dra ; 2.23; 3800;occ; 85; 0;41703
5; 4334.3; 20-FEB-2010 12:10:30; Bright; 40.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 81; 0;41703
6; 4761.2; 20-FEB-2010 12:17:37; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;41703
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3; 438.8; 20-FEB-2010 16:07:22; Dark ; 45.5; 10; Bet Cen ; 0.61; 28000;occ; 91; 0;41706
4; 732.1; 20-FEB-2010 16:12:16; Dark ; 51.5; 64; Gam Cen ; 2.20; 10600;occ; 103; 0;41706
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2; 2354.7; 20-FEB-2010 16:39:18; Bright; 43.0; 166; 17Eps Leo ; 2.98; 6000;occ; 86; 0;41706
3; 3532.9; 20-FEB-2010 16:58:56; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41706
4; 4091.9; 20-FEB-2010 17:08:15; Bright; 43.5; 69; 33Gam Dra ; 2.23; 3800;occ; 87; 0;41706
5; 4334.7; 20-FEB-2010 17:12:18; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41706
6; 4762.0; 20-FEB-2010 17:19:26; Bright; 53.5; 168; 17Zet Aql ; 2.99; 11000;occ; 107; 0;41706
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2; 2344.9; 22-FEB-2010 20:37:42; Bright; 41.5; 166; 17Eps Leo ; 2.98; 6000;occ; 83; 0;41737
3; 3102.8; 22-FEB-2010 20:50:20; Bright; 42.0; 36; 50Alp UMa ; 1.80; 6300;occ; 84; 0;41737
4; 3522.9; 22-FEB-2010 20:57:20; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41737
5; 4088.4; 22-FEB-2010 21:06:46; Bright; 43.5; 69; 33Gam Dra ; 2.23; 3800;occ; 87; 0;41737
6; 4336.9; 22-FEB-2010 21:10:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41737
7; 4770.1; 22-FEB-2010 21:18:08; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;41737
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2; -155.2; 22-FEB-2010 21:36:38; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;41737
3; 107.0; 22-FEB-2010 21:41:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41738
4; 457.9; 22-FEB-2010 21:46:51; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41738
5; 754.0; 22-FEB-2010 21:51:47; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;41738
6; 966.8; 22-FEB-2010 21:55:20; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41738
7; 1745.5; 22-FEB-2010 22:08:19; Dark ; 49.5; 48; 30Alp Hya ; 1.98; 4100;occ; 99; 0;41738
8; 2344.5; 22-FEB-2010 22:18:18; Bright; 41.0; 166; 17Eps Leo ; 2.98; 6000;occ; 82; 0;41738
9; 3102.1; 22-FEB-2010 22:30:55; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;41738
10; 3522.5; 22-FEB-2010 22:37:56; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41738
11; 4088.0; 22-FEB-2010 22:47:21; Bright; 44.5; 69; 33Gam Dra ; 2.23; 3800;occ; 89; 0;41738
12; 4336.8; 22-FEB-2010 22:51:30; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41738
13; 4770.4; 22-FEB-2010 22:58:44; Bright; 37.5; 168; 17Zet Aql ; 2.99; 11000;occ; 75; 0;41738
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1; -255.0; 22-FEB-2010 23:15:34; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;41738
2; -154.3; 22-FEB-2010 23:17:15; Dark ; 57.0; 75; 26Eps Sco ; 2.29; 4250;occ; 114; 0;41738
3; 107.5; 22-FEB-2010 23:21:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41739
4; 458.7; 22-FEB-2010 23:27:28; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;41739
5; 754.9; 22-FEB-2010 23:32:24; Dark ; 50.0; 64; Gam Cen ; 2.20; 10600;occ; 100; 0;41739
6; 967.3; 22-FEB-2010 23:35:57; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;41739
7; 1745.3; 22-FEB-2010 23:48:55; Dark ; 47.0; 48; 30Alp Hya ; 1.98; 4100;occ; 94; 0;41739
8; 2344.2; 22-FEB-2010 23:58:53; Bright; 41.5; 166; 17Eps Leo ; 2.98; 6000;occ; 83; 0;41739
9; 3101.8; 23-FEB-2010 00:11:31; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;41739
10; 3522.3; 23-FEB-2010 00:18:31; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41739

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13; 4770.8; 23-FEB-2010 00:39:20; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;41739
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2; 454.4; 22-FEB-2010 11:43:12; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41732
3; 750.3; 22-FEB-2010 11:48:08; Dark ; 50.0; 64; Gam Cen ; 2.20; 10600;occ; 100; 0;41732
4; 964.6; 22-FEB-2010 11:51:42; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41732
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2; 2346.2; 22-FEB-2010 12:14:44; Bright; 40.5; 166; 17Eps Leo ; 2.98; 6000;occ; 81; 0;41732
3; 3105.2; 22-FEB-2010 12:27:23; Bright; 42.0; 36; 50Alp UMa ; 1.80; 6300;occ; 84; 0;41732
4; 3524.7; 22-FEB-2010 12:34:22; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;41732
5; 4088.7; 22-FEB-2010 12:43:46; Bright; 42.5; 69; 33Gam Dra ; 2.23; 3800;occ; 85; 0;41732
6; 4336.5; 22-FEB-2010 12:47:54; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;41732
7; 4769.1; 22-FEB-2010 12:55:07; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41732
8; 5776.7; 22-FEB-2010 13:11:54; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41732
9; 5875.6; 22-FEB-2010 13:13:33; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;41732
10; 6140.1; 22-FEB-2010 13:17:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41732
11; 6491.0; 22-FEB-2010 13:23:49; Dark ; 47.0; 10; Bet Cen ; 0.61; 28000;occ; 94; 0;41732
12; 6786.6; 22-FEB-2010 13:28:44; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41732
13; 7000.7; 22-FEB-2010 13:32:18; Dark ; 41.5; 113; Mu Vel ; 2.69; 5000;occ; 83; 0;41732
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2; 2346.0; 22-FEB-2010 13:55:20; Bright; 41.0; 166; 17Eps Leo ; 2.98; 6000;occ; 82; 0;41733
3; 3104.8; 22-FEB-2010 14:07:58; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;41733
4; 3524.3; 22-FEB-2010 14:14:58; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41733
5; 4089.1; 22-FEB-2010 14:24:23; Bright; 44.0; 69; 33Gam Dra ; 2.23; 3800;occ; 88; 0;41733
6; 4336.4; 22-FEB-2010 14:28:30; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41733
7; 4769.2; 22-FEB-2010 14:35:43; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;41733
8; 5777.5; 22-FEB-2010 14:52:31; Dark ; 41.5; 25; 35Lam Sco ; 1.62; 28000;occ; 83; 0;41733
9; 5876.6; 22-FEB-2010 14:54:10; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;41733
10; 6140.7; 22-FEB-2010 14:58:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41733
11; 6491.6; 22-FEB-2010 15:04:25; Dark ; 40.5; 10; Bet Cen ; 0.61; 28000;occ; 81; 0;41733
12; 6787.4; 22-FEB-2010 15:09:21; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;41733
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3; 3104.3; 22-FEB-2010 15:48:34; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;41734
4; 3523.9; 22-FEB-2010 15:55:33; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41734
5; 4089.1; 22-FEB-2010 16:04:59; Bright; 40.5; 69; 33Gam Dra ; 2.23; 3800;occ; 81; 0;41734
6; 4336.5; 22-FEB-2010 16:09:06; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;41734
7; 4769.5; 22-FEB-2010 16:16:19; Bright; 55.0; 168; 17Zet Aql ; 2.99; 11000;occ; 110; 0;41734
8; 5778.4; 22-FEB-2010 16:33:08; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;41734
9; 5877.5; 22-FEB-2010 16:34:47; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;41734
10; 6141.4; 22-FEB-2010 16:39:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41734
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12; 6788.2; 22-FEB-2010 16:49:58; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41734
13; 7001.6; 22-FEB-2010 16:53:31; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41734
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3; 3103.7; 22-FEB-2010 17:29:09; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;41735
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3;-1826.7; 26-FEB-2010 07:18:08; Bright; 33.5; 144; 18Del Cyg ; 2.86; 11000;occ; 67; 0;41786
4;-1696.4; 26-FEB-2010 07:20:18; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;41786
5;-1251.7; 26-FEB-2010 07:27:43; Bright; 56.0; 168; 17Zet Aql ; 2.99; 11000;occ; 112; 0;41786

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9; -218.9; 26-FEB-2010 07:44:55; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41786
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11; 135.7; 26-FEB-2010 07:50:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41787
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8; 3791.9; 26-FEB-2010 08:51:46; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;41787
9; 4047.6; 26-FEB-2010 08:56:02; Bright; 45.0; 130; 23Bet Dra ; 2.80; 5800;occ; 90; 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
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16; 5818.0; 26-FEB-2010 09:25:32; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41787
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23; 6743.7; 26-FEB-2010 09:40:58; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 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
5; 3001.9; 26-FEB-2010 11:59:48; Bright; 43.5; 82; 48Bet UMa ; 2.37; 10600;occ; 87; 0;41789
6; 3090.1; 26-FEB-2010 12:01:16; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;41789
7; 3505.6; 26-FEB-2010 12:08:12; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41789
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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16; 5819.4; 26-FEB-2010 12:46:45; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41789
17; 5934.7; 26-FEB-2010 12:48:41; Dark ; 54.0; 75; 26Eps Sco ; 2.29; 4250;occ; 108; 0;41789
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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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3; 2331.2; 26-FEB-2010 13:29:13; Bright; 40.0; 166; 17Eps Leo ; 2.98; 6000;occ; 80; 0;41790
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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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
9; 4046.9; 26-FEB-2010 13:57:49; Bright; 49.0; 130; 23Bet Dra ; 2.80; 5800;occ; 98; 0;41790
10; 4209.7; 26-FEB-2010 14:00:32; Bright; 53.0; 144; 18Del Cyg ; 2.86; 11000;occ; 106; 0;41790
11; 4339.8; 26-FEB-2010 14:02:42; Bright; 39.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 78; 0;41790
12; 4785.2; 26-FEB-2010 14:10:07; Bright; 56.0; 168; 17Zet Aql ; 2.99; 11000;occ; 112; 0;41790
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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23; 6745.2; 26-FEB-2010 14:42:47; Dark ; 49.0; 26; Gam Cru ; 1.62; 2900;occ; 98; 0;41790
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9; 4046.7; 26-FEB-2010 15:38:25; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41791
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18; 6173.4; 26-FEB-2010 17:54:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41792
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 9; 4341.4; 28-FEB-2010 18:01:17; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;41821
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14; 6030.4; 28-FEB-2010 18:29:26; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;41821
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