

# GOMOS Daily Report 24-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	27FEB2010 04:50:40
Data source version	GOMOS/5.00L04
Start time of products	24FEB2010 00:00:30
Stop time of products	24FEB2010 23:56:00
Store outputs in DB	Yes
Nb of level 1b prods	76
Nb of prods with errors	0

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

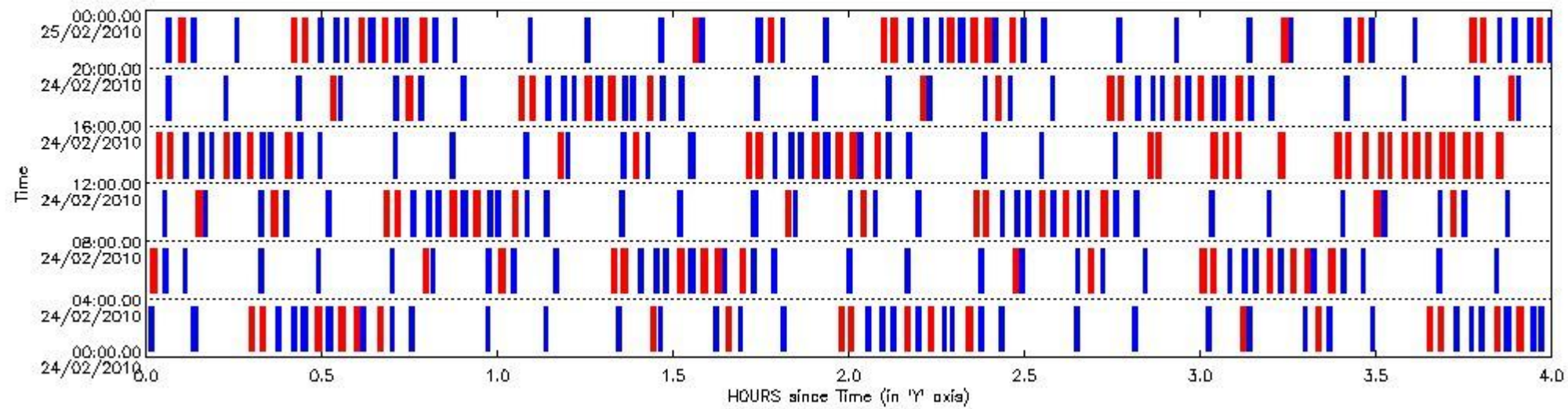
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
24-FEB-2010 00:17:34	41PiSgr	155	41753
24-FEB-2010 00:19:20	34SigSgr	57	41753
24-FEB-2010 00:28:56	BetAra	141	41753
24-FEB-2010 00:32:55	BetTrA	134	41754
24-FEB-2010 00:35:24	Alp1Cen	4	41754
24-FEB-2010 00:39:31	Alp1Cru	12	41754
24-FEB-2010 01:26:08	1AlpUMi	49	41754
24-FEB-2010 01:39:02	18DelCyg	144	41754
24-FEB-2010 01:58:11	41PiSgr	155	41754
24-FEB-2010 01:59:56	34SigSgr	57	41754
24-FEB-2010 02:09:33	BetAra	141	41755
24-FEB-2010 02:13:32	BetTrA	134	41755
24-FEB-2010 02:20:07	Alp1Cru	12	41755
24-FEB-2010 03:06:44	1AlpUMi	49	41755
24-FEB-2010 03:19:38	18DelCyg	144	41755

24-FEB-2010 03:38:47	41PiSgr	155	41755
24-FEB-2010 03:40:32	34SigSgr	57	41755
24-FEB-2010 03:50:09	BetAra	141	41756
24-FEB-2010 03:54:08	BetTrA	134	41756
24-FEB-2010 04:00:44	Alp1Cru	12	41756
24-FEB-2010 04:47:20	1AlpUMi	49	41756
24-FEB-2010 05:00:14	18DelCyg	144	41756
24-FEB-2010 05:19:23	41PiSgr	155	41756
24-FEB-2010 05:21:09	34SigSgr	57	41756
24-FEB-2010 05:30:46	BetAra	141	41757
24-FEB-2010 05:34:45	BetTrA	134	41757
24-FEB-2010 05:37:14	Alp1Cen	4	41757
24-FEB-2010 05:41:20	Alp1Cru	12	41757
24-FEB-2010 06:27:56	1AlpUMi	49	41757
24-FEB-2010 06:40:50	18DelCyg	144	41757
24-FEB-2010 07:00:00	41PiSgr	155	41757
24-FEB-2010 07:01:45	34SigSgr	57	41757
24-FEB-2010 07:11:22	BetAra	141	41758
24-FEB-2010 07:15:21	BetTrA	134	41758
24-FEB-2010 07:17:50	Alp1Cen	4	41758
24-FEB-2010 07:21:56	Alp1Cru	12	41758
24-FEB-2010 08:08:32	1AlpUMi	49	41758
24-FEB-2010 08:21:26	18DelCyg	144	41758
24-FEB-2010 08:40:36	41PiSgr	155	41758
24-FEB-2010 08:42:21	34SigSgr	57	41758
24-FEB-2010 08:51:58	BetAra	141	41759
24-FEB-2010 08:55:58	BetTrA	134	41759
24-FEB-2010 09:02:33	Alp1Cru	12	41759
24-FEB-2010 09:49:08	1AlpUMi	49	41759
24-FEB-2010 10:02:02	18DelCyg	144	41759
24-FEB-2010 10:21:12	41PiSgr	155	41759
24-FEB-2010 10:22:58	34SigSgr	57	41759
24-FEB-2010 10:32:35	BetAra	141	41760
24-FEB-2010 10:36:34	BetTrA	134	41760
24-FEB-2010 10:43:09	Alp1Cru	12	41760
24-FEB-2010 11:29:44	1AlpUMi	49	41760
24-FEB-2010 11:42:38	18DelCyg	144	41760
24-FEB-2010 12:01:49	41PiSgr	155	41760
24-FEB-2010 12:03:34	34SigSgr	57	41760
24-FEB-2010 12:13:11	BetAra	141	41761
24-FEB-2010 12:17:10	BetTrA	134	41761
24-FEB-2010 12:23:45	Alp1Cru	12	41761
24-FEB-2010 13:10:20	1AlpUMi	49	41761
24-FEB-2010 13:23:14	18DelCyg	144	41761
24-FEB-2010 13:42:25	41PiSgr	155	41761
24-FEB-2010 13:44:10	34SigSgr	57	41761
24-FEB-2010 13:53:48	BetAra	141	41762
24-FEB-2010 13:57:47	BetTrA	134	41762
24-FEB-2010 14:00:16	Alp1Cen	4	41762
24-FEB-2010 14:04:22	Alp1Cru	12	41762
24-FEB-2010 14:50:56	1AlpUMi	49	41762
24-FEB-2010 14:52:18	7BetUMi	60	41762
24-FEB-2010 15:01:49	33GamDra	69	41762
24-FEB-2010 15:03:50	18DelCyg	144	41762
24-FEB-2010 15:06:02	3AlpLyr	5	41762
24-FEB-2010 15:13:21	17ZetAql	168	41762
24-FEB-2010 15:23:01	41PiSgr	155	41762
24-FEB-2010 15:24:47	34SigSgr	57	41762
24-FEB-2010 15:27:46	20EpsSgr	38	41762

24-FEB-2010 15:30:22	35LamSco	25	41762
24-FEB-2010 15:32:09	26EpsSco	75	41762
24-FEB-2010 15:34:24	BetAra	141	41763
24-FEB-2010 15:36:20	DSA1025	0	41763
24-FEB-2010 15:38:23	BetTrA	134	41763
24-FEB-2010 15:40:53	Alp1Cen	4	41763
24-FEB-2010 15:42:13	BetCen	10	41763
24-FEB-2010 15:44:58	Alp1Cru	12	41763
24-FEB-2010 15:47:10	GamCen	64	41763
24-FEB-2010 15:50:35	MuVel	113	41763
24-FEB-2010 16:31:32	1AlpUMi	49	41763
24-FEB-2010 16:44:26	18DelCyg	144	41763
24-FEB-2010 17:03:37	41PiSgr	155	41763
24-FEB-2010 17:05:23	34SigSgr	57	41763
24-FEB-2010 17:15:01	BetAra	141	41764
24-FEB-2010 17:19:00	BetTrA	134	41764
24-FEB-2010 17:25:35	Alp1Cru	12	41764
24-FEB-2010 18:12:08	1AlpUMi	49	41764
24-FEB-2010 18:25:03	18DelCyg	144	41764
24-FEB-2010 18:44:14	41PiSgr	155	41764
24-FEB-2010 18:45:59	34SigSgr	57	41764
24-FEB-2010 18:55:37	BetAra	141	41765
24-FEB-2010 18:59:36	BetTrA	134	41765
24-FEB-2010 19:06:11	Alp1Cru	12	41765
24-FEB-2010 19:52:44	1AlpUMi	49	41765
24-FEB-2010 20:05:39	18DelCyg	144	41765
24-FEB-2010 20:24:50	41PiSgr	155	41765
24-FEB-2010 20:26:36	34SigSgr	57	41765
24-FEB-2010 20:36:13	BetAra	141	41766
24-FEB-2010 20:40:13	BetTrA	134	41766
24-FEB-2010 20:46:47	Alp1Cru	12	41766
24-FEB-2010 21:33:20	1AlpUMi	49	41766
24-FEB-2010 21:46:15	18DelCyg	144	41766
24-FEB-2010 22:05:26	41PiSgr	155	41766
24-FEB-2010 22:07:12	34SigSgr	57	41766
24-FEB-2010 22:16:50	BetAra	141	41767
24-FEB-2010 22:20:49	BetTrA	134	41767
24-FEB-2010 22:23:19	Alp1Cen	4	41767
24-FEB-2010 22:27:24	Alp1Cru	12	41767
24-FEB-2010 23:13:56	1AlpUMi	49	41767
24-FEB-2010 23:26:51	18DelCyg	144	41767
24-FEB-2010 23:46:03	41PiSgr	155	41767
24-FEB-2010 23:47:49	34SigSgr	57	41767
24-FEB-2010 23:57:26	BetAra	141	41768

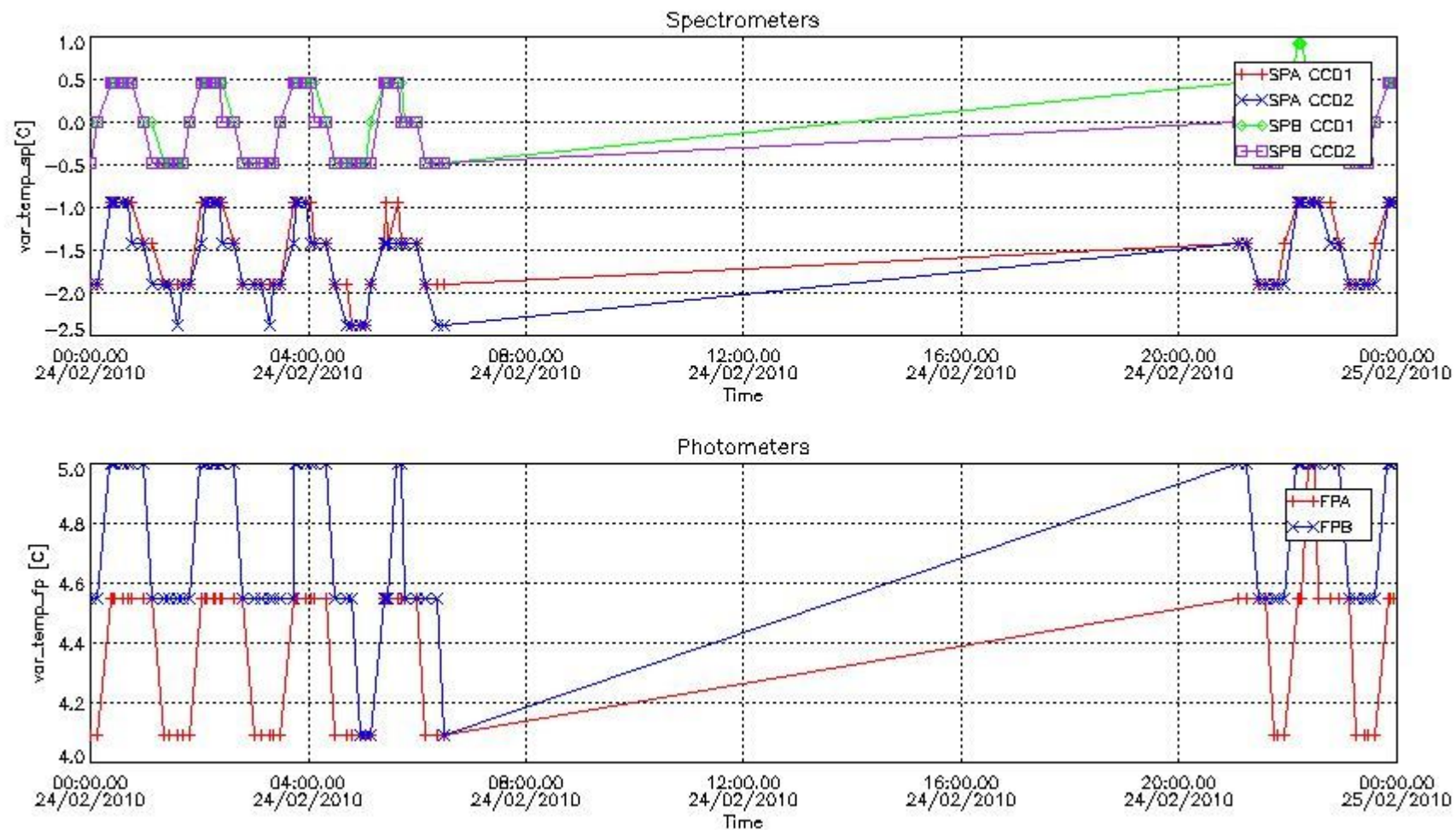
#### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100224_000030_000000422087_00116_41753_1241.N1	24-FEB-2010 00:00:30	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	41753	No
2	GOM_TRA_1PNPDE20100224_000747_000000552087_00116_41753_1242.N1	24-FEB-2010 00:07:47	Bright	54.500	168	17Zet Aql	2.9860	11000.	109	41753	No
3	GOM_TRA_1PNPDE20100224_002210_000000452087_00116_41753_1230.N1	24-FEB-2010 00:22:10	Dark	45.000	38	20Eps Sgr	1.8360	11000.	90	41753	No
4	GOM_TRA_1PNPDE20100224_002444_000000472087_00116_41753_1231.N1	24-FEB-2010 00:24:44	Dark	46.500	25	35Lam Sco	1.6200	28000.	93	41753	No
5	GOM_TRA_1PNPDE20100224_002629_000000532087_00116_41753_1232.N1	24-FEB-2010 00:26:29	Dark	52.500	75	26Eps Sco	2.2910	4250.0	105	41753	No
6	GOM_TRA_1PNPDE20100224_003636_000000522087_00117_41754_1233.N1	24-FEB-2010 00:36:36	Dark	52.000	10	Bet Cen	0.61000	28000.	104	41754	No
7	GOM_TRA_1PNPDE20100224_004133_000000452087_00117_41754_1234.N1	24-FEB-2010 00:41:33	Dark	44.500	64	Gam Cen	2.2000	10600.	89	41754	No
8	GOM_TRA_1PNPDE20100224_004501_000000452087_00117_41754_1235.N1	24-FEB-2010 00:45:01	Straylight	45.000	113	Mu Vel	2.6920	5000.0	90	41754	No
9	GOM_TRA_1PNPDE20100224_005755_000000442087_00117_41754_1236.N1	24-FEB-2010 00:57:55	Twilight	44.000	48	30Alp Hya	1.9770	4100.0	88	41754	No
10	GOM_TRA_1PNPDE20100224_010748_000000432087_00117_41754_1237.N1	24-FEB-2010 01:07:48	Bright	42.500	166	17Eps Leo	2.9800	6000.0	85	41754	No

11	GOM_TRA_1PNPDE20100224_012023_000000422087_00117_41754_1238.N1	24-FEB-2010 01:20:23	Bright	42.000	36	50Alp UMa	1.8000	6300.0	84	41754	No
12	GOM_TRA_1PNPDE20100224_012726_000000422087_00117_41754_1239.N1	24-FEB-2010 01:27:26	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41754	No
13	GOM_TRA_1PNPDE20100224_013654_000000472087_00117_41754_1240.N1	24-FEB-2010 01:36:54	Bright	46.500	69	33Gam Dra	2.2310	3800.0	93	41754	No
14	GOM_TRA_1PNPDE20100224_014106_000000422087_00117_41754_1241.N1	24-FEB-2010 01:41:06	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	41754	No
15	GOM_TRA_1PNPDE20100224_014823_000000552087_00117_41754_1242.N1	24-FEB-2010 01:48:23	Bright	54.500	168	17Zet Aql	2.9860	11000.	109	41754	No
16	GOM_TRA_1PNPDE20100224_020247_000000492087_00117_41754_1230.N1	24-FEB-2010 02:02:47	Dark	49.000	38	20Eps Sgr	1.8360	11000.	98	41754	No
17	GOM_TRA_1PNPDE20100224_020521_000000442087_00117_41754_1231.N1	24-FEB-2010 02:05:21	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	41754	No
18	GOM_TRA_1PNPDE20100224_020706_000000542087_00117_41754_1232.N1	24-FEB-2010 02:07:06	Dark	53.500	75	26Eps Sco	2.2910	4250.0	107	41754	No
19	GOM_TRA_1PNPDE20100224_021553_000000442087_00118_41755_1233.N1	24-FEB-2010 02:15:53	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	41755	No
20	GOM_TRA_1PNPDE20100224_021712_000000452087_00118_41755_1234.N1	24-FEB-2010 02:17:12	Dark	44.500	10	Bet Cen	0.61000	28000.	89	41755	No
21	GOM_TRA_1PNPDE20100224_022210_000000472087_00118_41755_1235.N1	24-FEB-2010 02:22:10	Dark	46.500	64	Gam Cen	2.2000	10600.	93	41755	No
22	GOM_TRA_1PNPDE20100224_022537_000000452087_00118_41755_1236.N1	24-FEB-2010 02:25:37	Straylight	45.000	113	Mu Vel	2.6920	5000.0	90	41755	No
23	GOM_TRA_1PNPDE20100224_023831_000000462087_00118_41755_1237.N1	24-FEB-2010 02:38:31	Tw_i_and_stray	46.000	48	30Alp Hya	1.9770	4100.0	92	41755	No
24	GOM_TRA_1PNPDE20100224_024824_000000432087_00118_41755_1238.N1	24-FEB-2010 02:48:24	Bright	42.500	166	17Eps Leo	2.9800	6000.0	85	41755	No
25	GOM_TRA_1PNPDE20100224_030058_000000462087_00118_41755_1239.N1	24-FEB-2010 03:00:58	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	41755	No
26	GOM_TRA_1PNPDE20100224_030801_000000412087_00118_41755_1240.N1	24-FEB-2010 03:08:01	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41755	No
27	GOM_TRA_1PNPDE20100224_031730_000000402087_00118_41755_1230.N1	24-FEB-2010 03:17:30	Bright	40.000	69	33Gam Dra	2.2310	3800.0	80	41755	No
28	GOM_TRA_1PNPDE20100224_032142_000000402087_00118_41755_1231.N1	24-FEB-2010 03:21:42	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	41755	No
29	GOM_TRA_1PNPDE20100224_032859_000000382087_00118_41755_1232.N1	24-FEB-2010 03:28:59	Bright	37.500	168	17Zet Aql	2.9860	11000.	75	41755	No
30	GOM_TRA_1PNPDE20100224_034323_000000432087_00118_41755_1233.N1	24-FEB-2010 03:43:23	Dark	43.000	38	20Eps Sgr	1.8360	11000.	86	41755	No
31	GOM_TRA_1PNPDE20100224_034558_000000422087_00118_41755_1234.N1	24-FEB-2010 03:45:58	Dark	41.500	25	35Lam Sco	1.6200	28000.	83	41755	No
32	GOM_TRA_1PNPDE20100224_034743_000000492087_00118_41755_1235.N1	24-FEB-2010 03:47:43	Dark	49.000	75	26Eps Sco	2.2910	4250.0	98	41755	No
33	GOM_TRA_1PNPDE20100224_035630_000000432087_00119_41756_1236.N1	24-FEB-2010 03:56:30	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41756	No
34	GOM_TRA_1PNPDE20100224_035749_000000452087_00119_41756_1237.N1	24-FEB-2010 03:57:49	Dark	44.500	10	Bet Cen	0.61000	28000.	89	41756	No
35	GOM_TRA_1PNPDE20100224_040247_000000482087_00119_41756_1238.N1	24-FEB-2010 04:02:47	Dark	47.500	64	Gam Cen	2.2000	10600.	95	41756	No
36	GOM_TRA_1PNPDE20100224_040613_000000452087_00119_41756_1239.N1	24-FEB-2010 04:06:13	Straylight	44.500	113	Mu Vel	2.6920	5000.0	89	41756	No
37	GOM_TRA_1PNPDE20100224_041907_000000472087_00119_41756_1240.N1	24-FEB-2010 04:19:07	Tw_i_and_stray	47.000	48	30Alp Hya	1.9770	4100.0	94	41756	No
38	GOM_TRA_1PNPDE20100224_042900_000000422087_00119_41756_1241.N1	24-FEB-2010 04:29:00	Bright	41.500	166	17Eps Leo	2.9800	6000.0	83	41756	No
39	GOM_TRA_1PNPDE20100224_044134_000000432087_00119_41756_1242.N1	24-FEB-2010 04:41:34	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	41756	No
40	GOM_TRA_1PNPDE20100224_044836_000000432087_00119_41756_1243.N1	24-FEB-2010 04:48:36	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41756	No
41	GOM_TRA_1PNPDE20100224_045806_000000432087_00119_41756_1220.N1	24-FEB-2010 04:58:06	Bright	42.500	69	33Gam Dra	2.2310	3800.0	85	41756	No
42	GOM_TRA_1PNPDE20100224_050218_000000432087_00119_41756_1221.N1	24-FEB-2010 05:02:18	Bright	42.500	5	3Alp Lyr	0.033000	11000.	85	41756	No
43	GOM_TRA_1PNPDE20100224_050936_000000382087_00119_41756_1222.N1	24-FEB-2010 05:09:36	Bright	37.500	168	17Zet Aql	2.9860	11000.	75	41756	No
44	GOM_TRA_1PNPDE20100224_052400_000000452087_00119_41756_1223.N1	24-FEB-2010 05:24:00	Dark	44.500	38	20Eps Sgr	1.8360	11000.	89	41756	No
45	GOM_TRA_1PNPDE20100224_052634_000000542087_00119_41756_1224.N1	24-FEB-2010 05:26:34	Dark	53.500	25	35Lam Sco	1.6200	28000.	107	41756	No
46	GOM_TRA_1PNPDE20100224_052820_000000492087_00119_41756_1225.N1	24-FEB-2010 05:28:20	Dark	49.000	75	26Eps Sco	2.2910	4250.0	98	41756	No
47	GOM_TRA_1PNPDE20100224_053826_000000422087_00120_41757_1226.N1	24-FEB-2010 05:38:26	Dark	41.500	10	Bet Cen	0.61000	28000.	83	41757	No
48	GOM_TRA_1PNPDE20100224_054323_000000502087_00120_41757_1227.N1	24-FEB-2010 05:43:23	Dark	50.000	64	Gam Cen	2.2000	10600.	100	41757	No
49	GOM_TRA_1PNPDE20100224_054650_000000432087_00120_41757_1228.N1	24-FEB-2010 05:46:50	Straylight	43.000	113	Mu Vel	2.6920	5000.0	86	41757	No
50	GOM_TRA_1PNPDE20100224_055943_000000482087_00120_41757_1229.N1	24-FEB-2010 05:59:43	Tw_i_and_stray	48.000	48	30Alp Hya	1.9770	4100.0	96	41757	No
51	GOM_TRA_1PNPDE20100224_060936_000000412087_00120_41757_1230.N1	24-FEB-2010 06:09:36	Bright	41.000	166	17Eps Leo	2.9800	6000.0	82	41757	No
52	GOM_TRA_1PNPDE20100224_062209_000000442087_00120_41757_1231.N1	24-FEB-2010 06:22:09	Bright	43.500	36	50Alp UMa	1.8000	6300.0	87	41757	No
53	GOM_TRA_1PNPDE20100224_062912_000000422087_00120_41757_1232.N1	24-FEB-2010 06:29:12	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41757	No
54	GOM_TRA_1PNPDE20100224_210507_000000452087_00129_41766_1437.N1	24-FEB-2010 21:05:07	Tw_i_and_stray	44.500	48	30Alp Hya	1.9770	4100.0	89	41766	No
55	GOM_TRA_1PNPDE20100224_211456_000000412087_00129_41766_1438.N1	24-FEB-2010 21:14:56	Bright	41.000	166	17Eps Leo	2.9800	6000.0	82	41766	No
56	GOM_TRA_1PNPDE20100224_212729_000000432087_00129_41766_1439.N1	24-FEB-2010 21:27:29	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	41766	No
57	GOM_TRA_1PNPDE20100224_213433_000000442087_00129_41766_1440.N1	24-FEB-2010 21:34:33	Bright	43.500	60	7Bet UMi	2.0810	3950.0	87	41766	No
58	GOM_TRA_1PNPDE20100224_214404_000000612087_00129_41766_1441.N1	24-FEB-2010 21:44:04	Bright	61.000	69	33Gam Dra	2.2310	3800.0	122	41766	No
59	GOM_TRA_1PNPDE20100224_214818_000000442087_00129_41766_1442.N1	24-FEB-2010 21:48:18	Bright	44.000	5	3Alp Lyr	0.033000	11000.	88	41766	No
60	GOM_TRA_1PNPDE20100224_215538_000000552087_00129_41766_1443.N1	24-FEB-2010 21:55:38	Bright	54.500	168	17Zet Aql	2.9860	11000.	109	41766	No
61	GOM_TRA_1PNPDE20100224_221005_000000432087_00129_41766_1458.N1	24-FEB-2010 22:10:05	Dark	43.000	38	20Eps Sgr	1.8360	11000.	86	41766	No
62	GOM_TRA_1PNPDE20100224_221241_000000482087_00129_41766_1459.N1	24-FEB-2010 22:12:41	Dark	48.000	25	35Lam Sco	1.6200	28000.	96	41766	No
63	GOM_TRA_1PNPDE20100224_221523_000000402087_00129_41766_1460.N1	24-FEB-2010 22:15:23	Dark	39.500	147	Alp Ara	2.8770	26000.	79	41766	No
64	GOM_TRA_1PNPDE20100224_222431_000000432087_00130_41767_1461.N1	24-FEB-2010 22:24:31	Dark	43.000	10	Bet Cen	0.61000	28000.	86	41767	No
65	GOM_TRA_1PNPDE20100224_222929_000000442087_00130_41767_1462.N1	24-FEB-2010 22:29:29	Dark	43.500	64	Gam Cen	2.2000	10600.	87	41767	No
66	GOM_TRA_1PNPDE20100224_223253_000000442087_00130_41767_1463.N1	24-FEB-2010 22:32:53	Straylight	43.500	113	Mu Vel	2.6920	5000.0	87	41767	No
67	GOM_TRA_1PNPDE20100224_224543_000000462087_00130_41767_1464.N1	24-FEB-2010 22:45:43	Tw_i_and_stray	45.500	48	30Alp Hya	1.9770	4100.0	91	41767	No
68	GOM_TRA_1PNPDE20100224_225532_000000422087_00130_41767_1465.N1	24-FEB-2010 22:55:32	Bright	41.500	166	17Eps Leo	2.9800	6000.0	83	41767	No
69	GOM_TRA_1PNPDE20100224_230804_000000462087_00130_41767_1466.N1	24-FEB-2010 23:08:04	Bright	45.500	36	50Alp UMa	1.8000	6300.0	91	41767	No

70	GOM_TRA_1PNPDE20100224_231509_000000412087_00130_41767_1467.N1	24-FEB-2010 23:15:09	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41767	No
71	GOM_TRA_1PNPDE20100224_232440_000000612087_00130_41767_1468.N1	24-FEB-2010 23:24:40	Bright	61.000	69	33Gam Dra	2.2310	3800.0	122	41767	No
72	GOM_TRA_1PNPDE20100224_232854_000000432087_00130_41767_1469.N1	24-FEB-2010 23:28:54	Bright	42.500	5	3Alp Lyr	0.033000	11000.	85	41767	No
73	GOM_TRA_1PNPDE20100224_233614_000000372087_00130_41767_1470.N1	24-FEB-2010 23:36:14	Bright	37.000	168	17Zet Aql	2.9860	11000.	74	41767	No
74	GOM_TRA_1PNPDE20100224_235041_000000452087_00130_41767_1478.N1	24-FEB-2010 23:50:41	Dark	44.500	38	20Eps Sgr	1.8360	11000.	89	41767	No
75	GOM_TRA_1PNPDE20100224_235318_000000472087_00130_41767_1479.N1	24-FEB-2010 23:53:18	Dark	46.500	25	35Lam Sco	1.6200	28000.	93	41767	No
76	GOM_TRA_1PNPDE20100224_235600_000000432087_00130_41767_1480.N1	24-FEB-2010 23:56:00	Dark	43.000	147	Alp Ara	2.8770	26000.	86	41767	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).

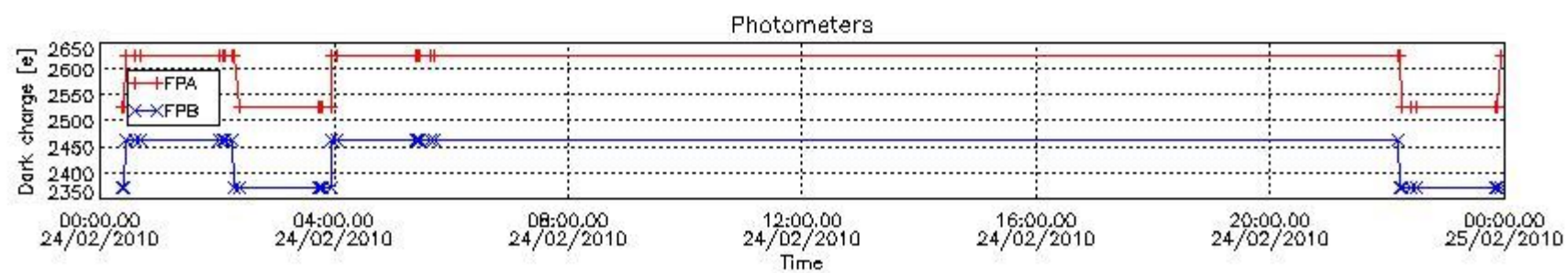
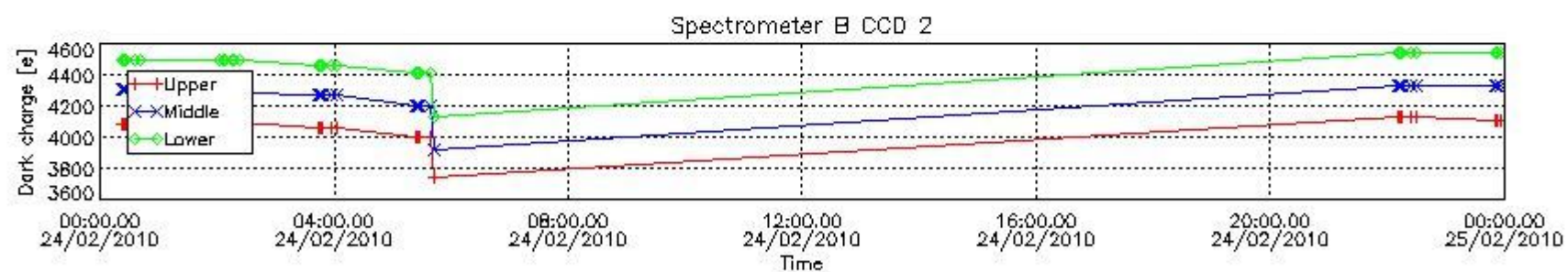
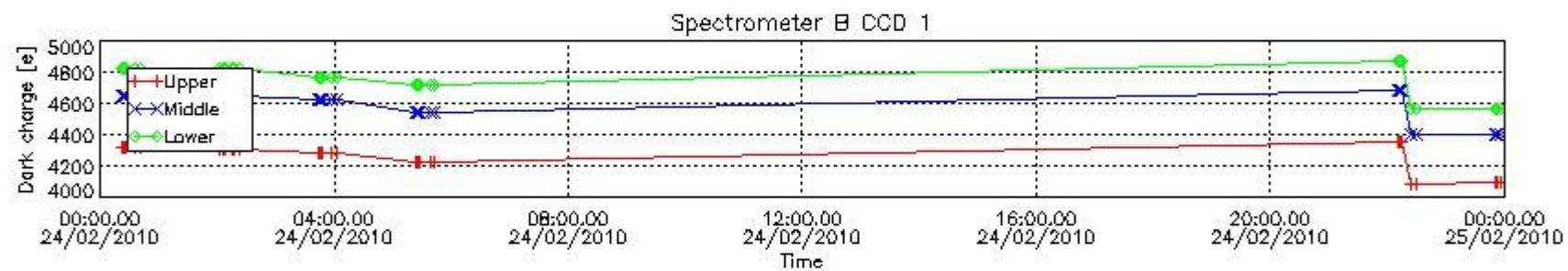
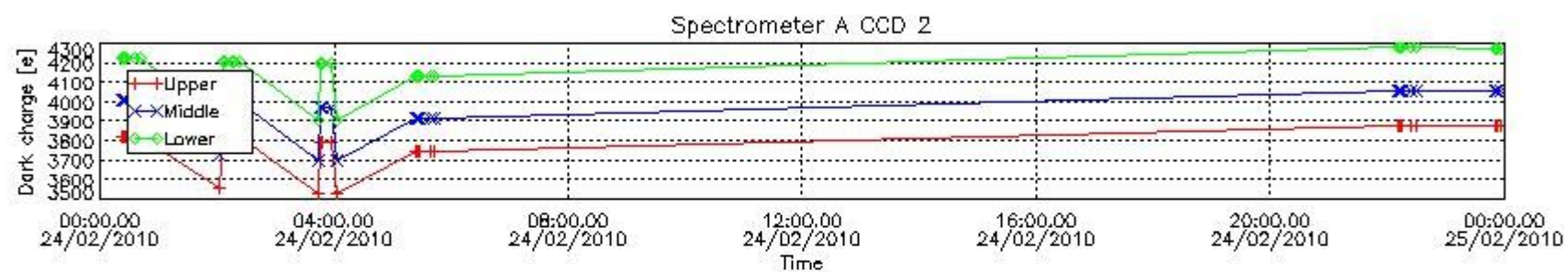
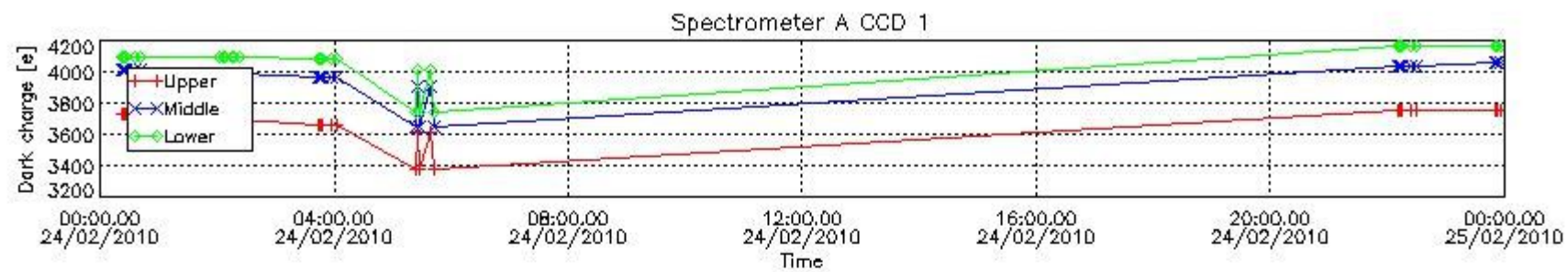
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100224_210507_000000452087_00129_41766_1437.N1	DC map used
GOM_TRA_1PNPDE20100224_211456_000000412087_00129_41766_1438.N1	DC map used
GOM_TRA_1PNPDE20100224_212729_000000432087_00129_41766_1439.N1	DC map used

GOM_TRA_1PNPDE20100224_213433_000000442087_00129_41766_1440.N1	DC map used
GOM_TRA_1PNPDE20100224_214404_000000612087_00129_41766_1441.N1	DC map used
GOM_TRA_1PNPDE20100224_214818_000000442087_00129_41766_1442.N1	DC map used
GOM_TRA_1PNPDE20100224_215538_000000552087_00129_41766_1443.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

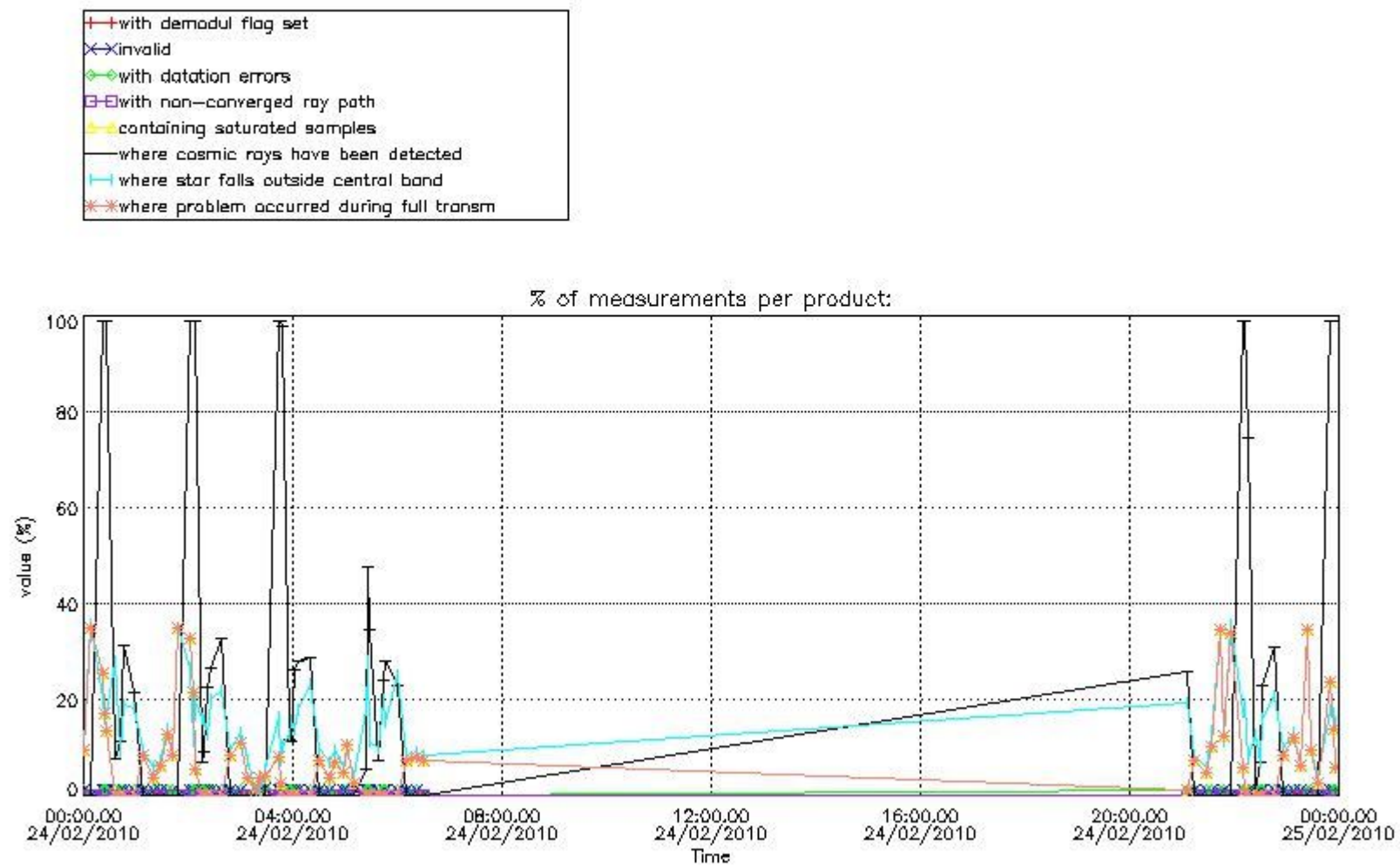
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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:

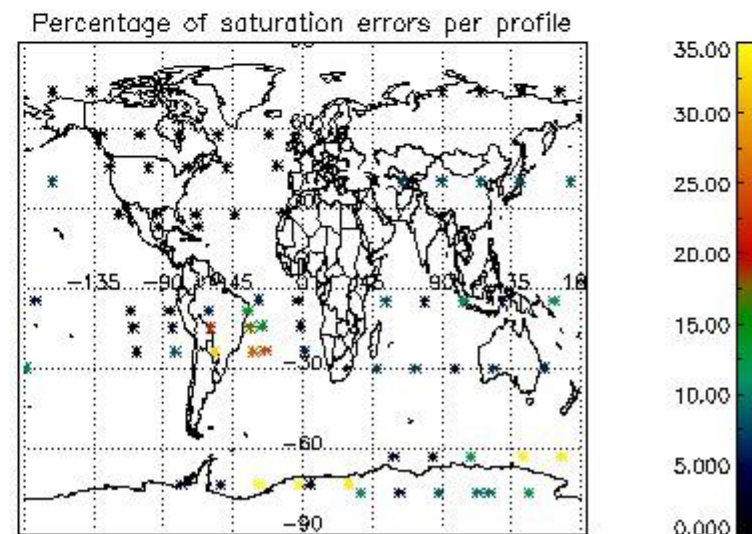
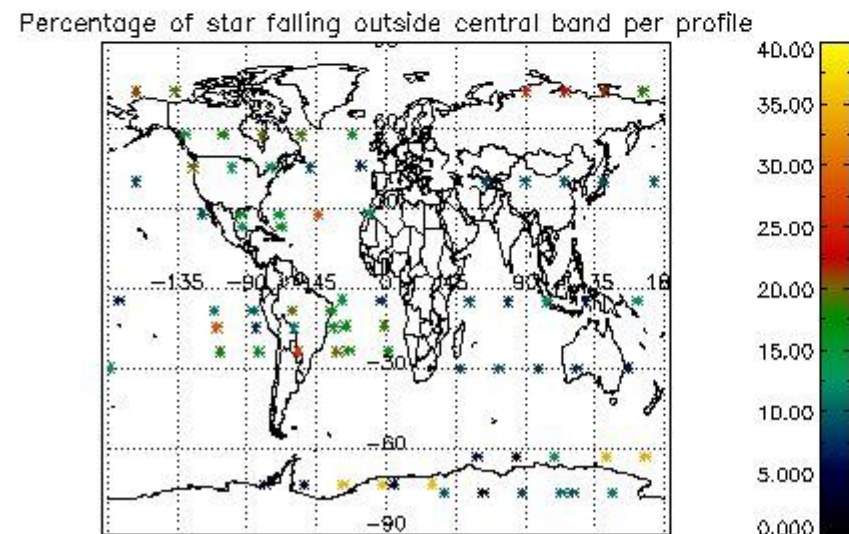
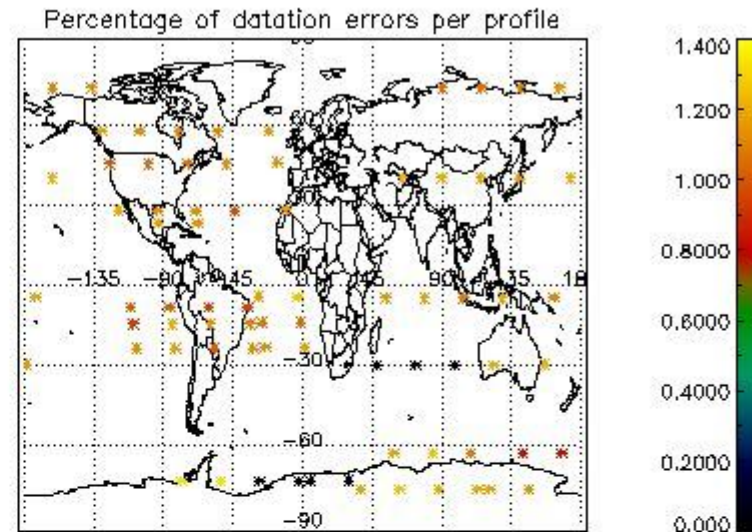
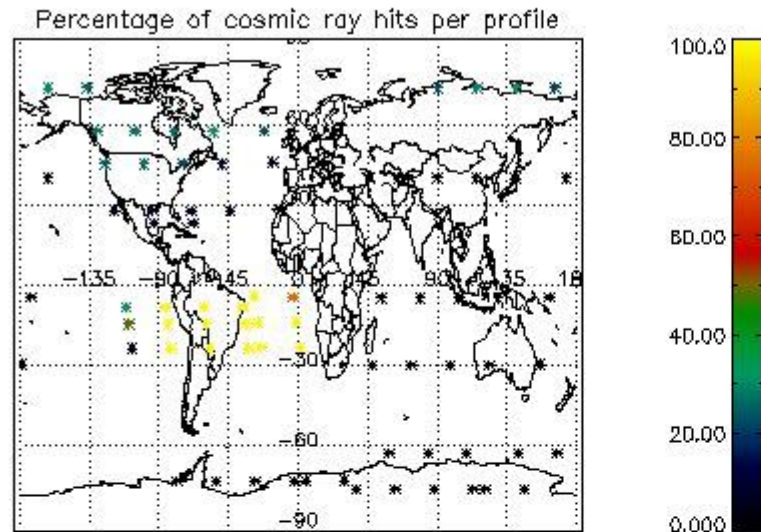
At least one measurement with demodulation flag set:	36.8421 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





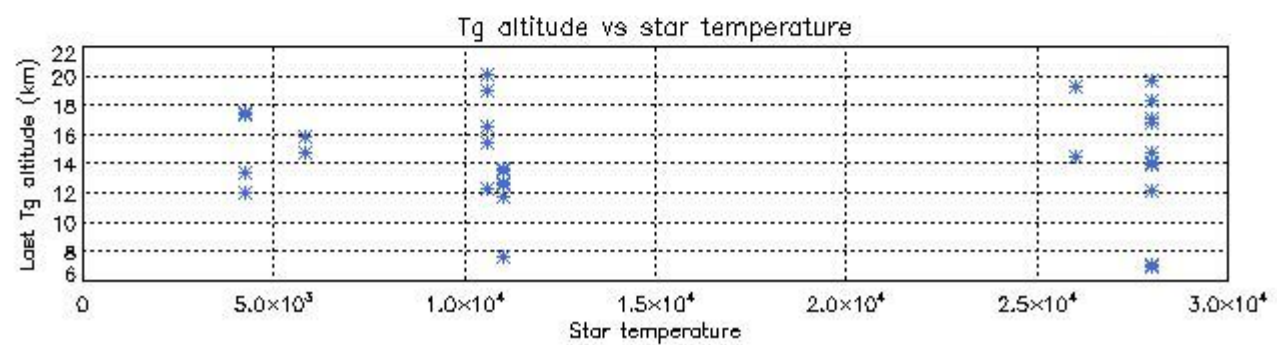
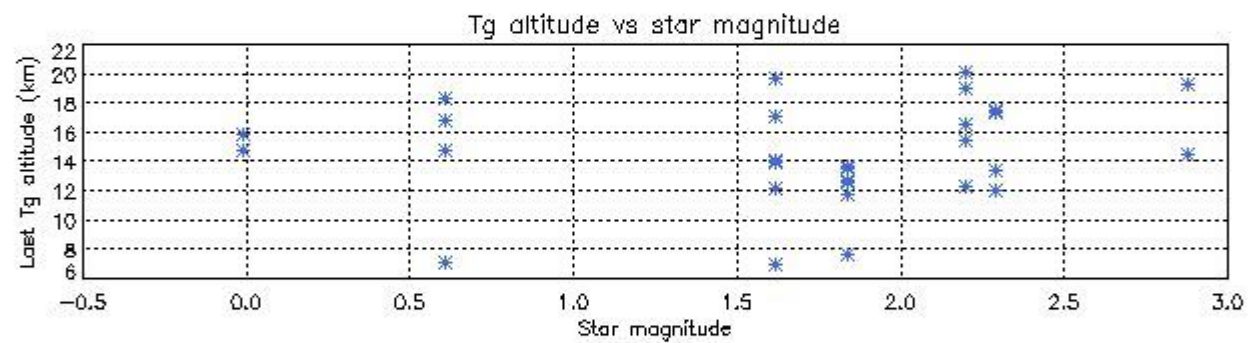
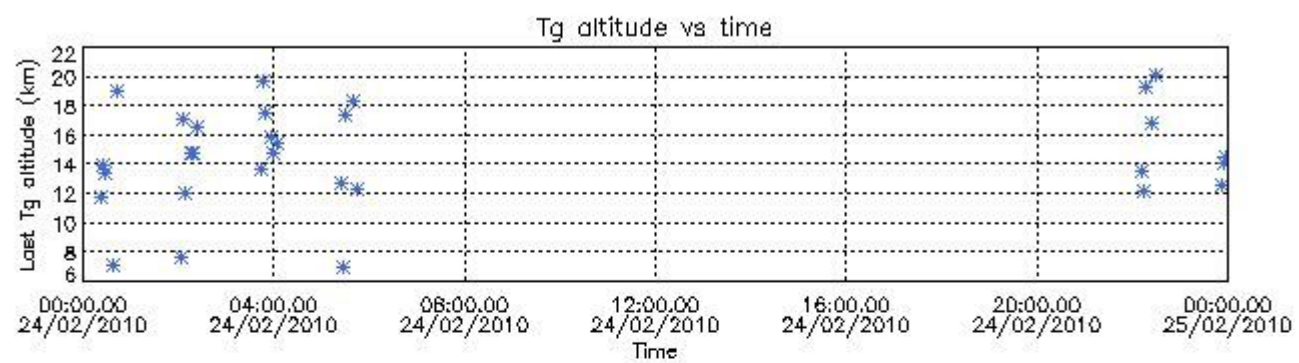
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.486	16.807	NaN
St. deviation:	3.4422	5.5383	NaN
Maximum:	20.059	23.978	NaN
Minimum:	7.0215	3.6006	NaN
Number of data:	30.000	35.000	NaN

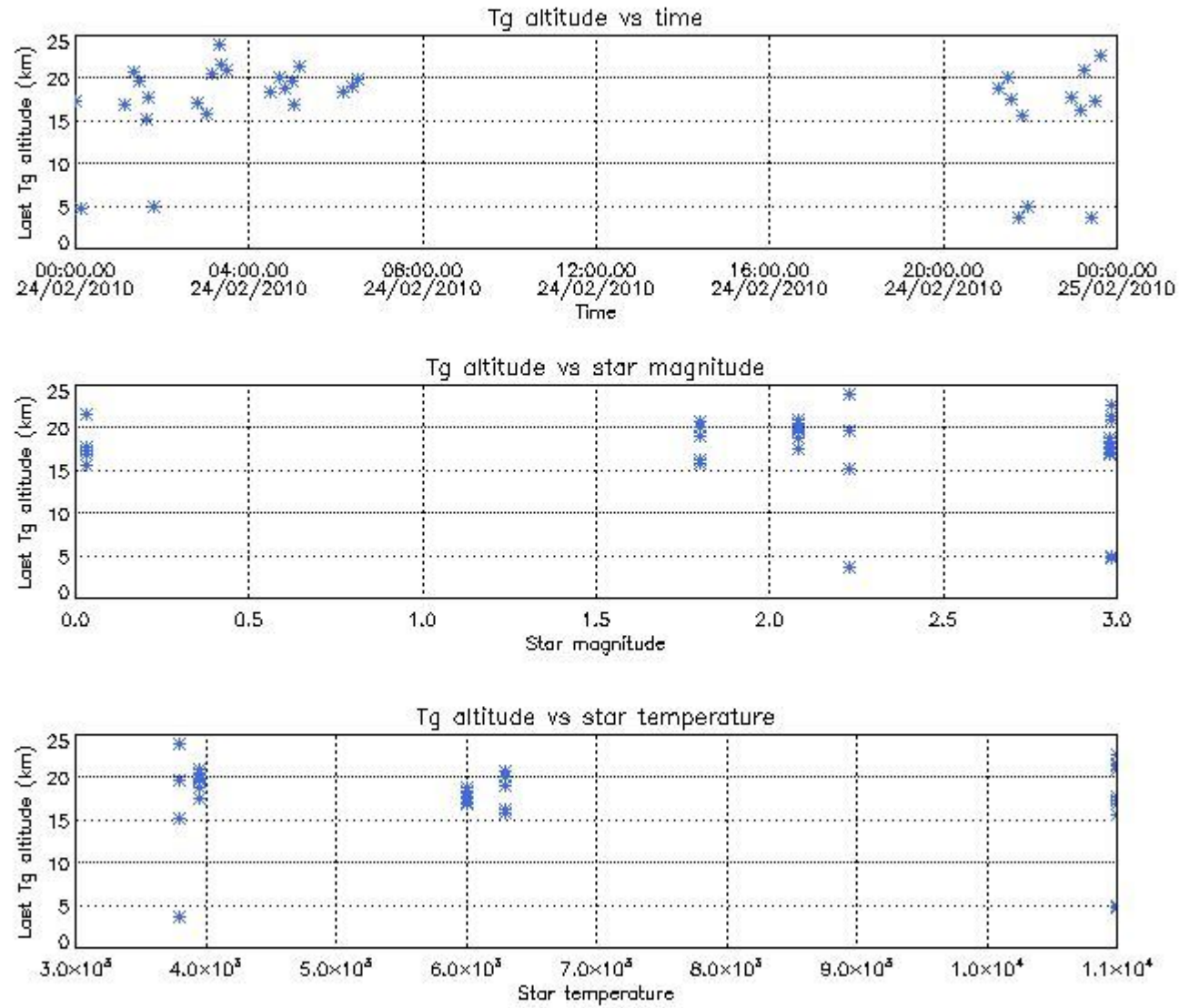
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

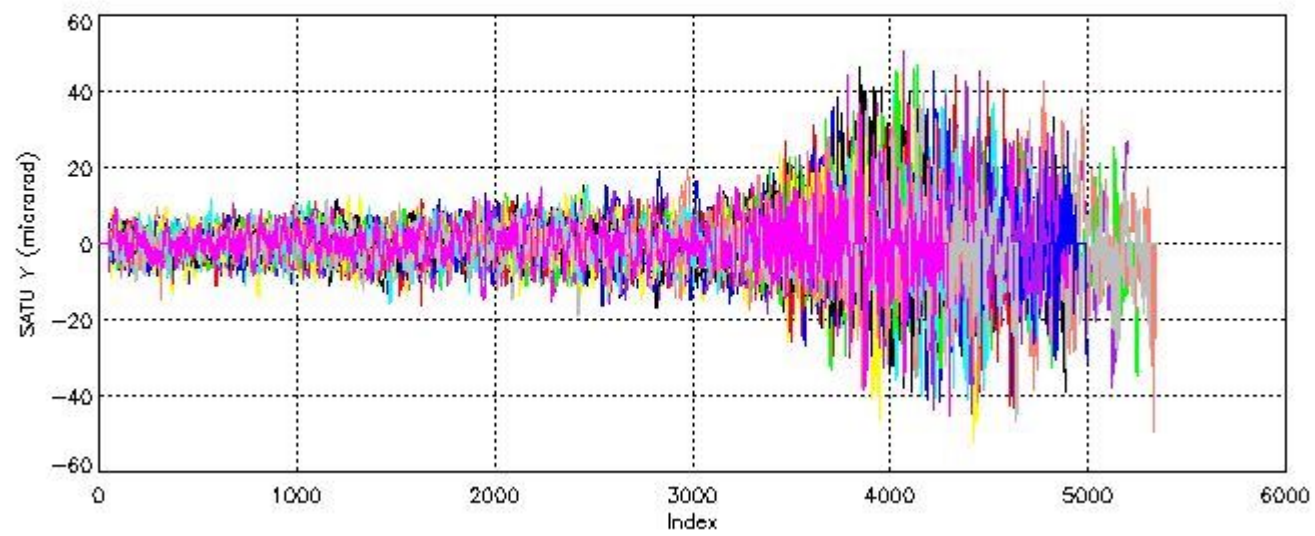
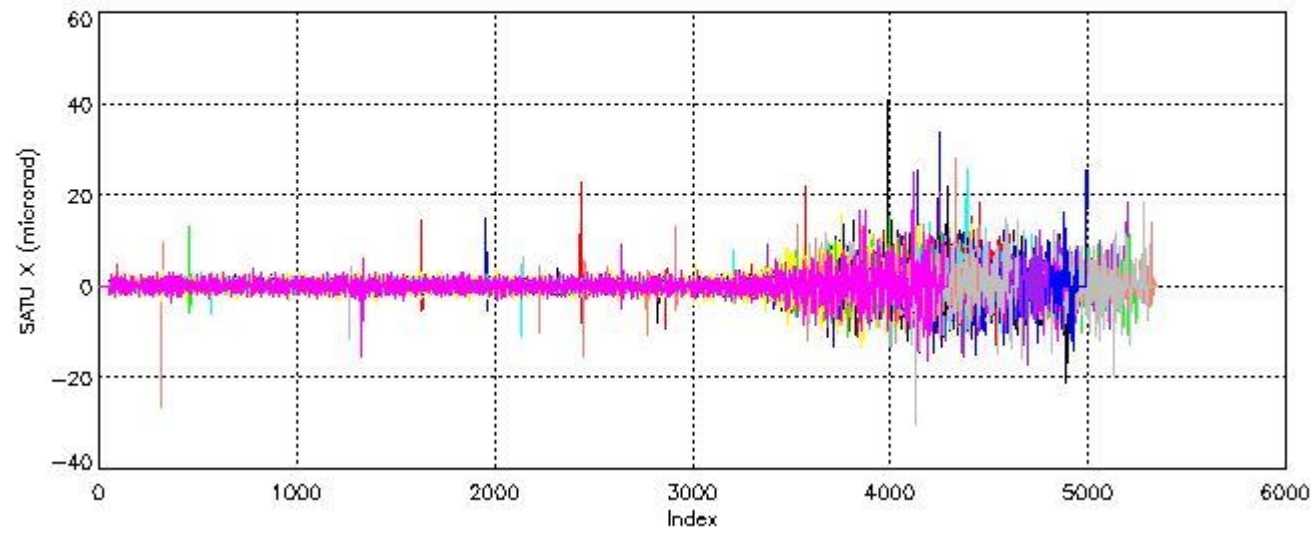


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.17258	-0.16694	0.15825	-0.082467
St. deviation:	0.52362	2.9659	0.59491	3.1555
Maximum:	13.000	11.400	5.8000	12.200
Minimum:	-26.300	-14.900	-5.2000	-13.800

Number of data:	29750.	29750.	33900.	33900.
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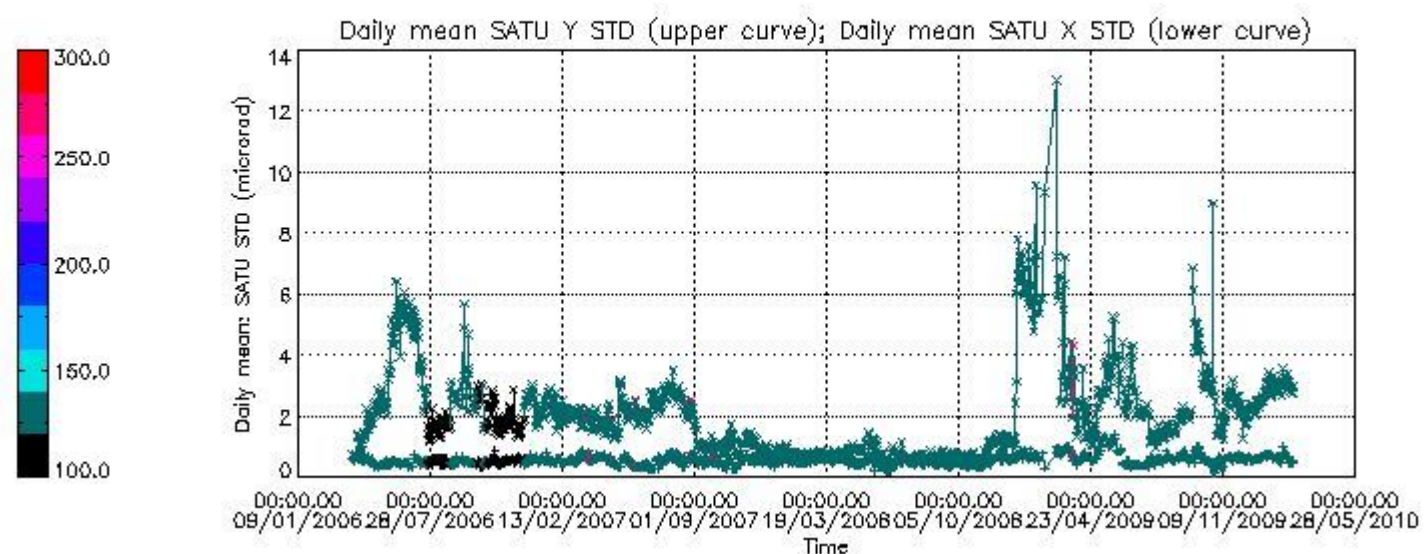
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

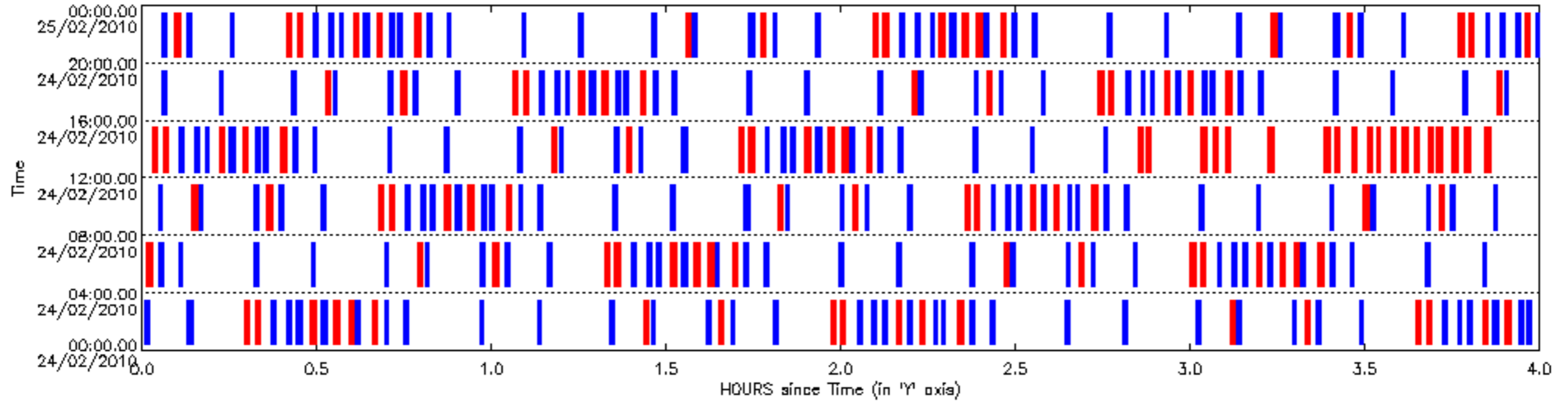
Lower curve: STD of SATU X axis

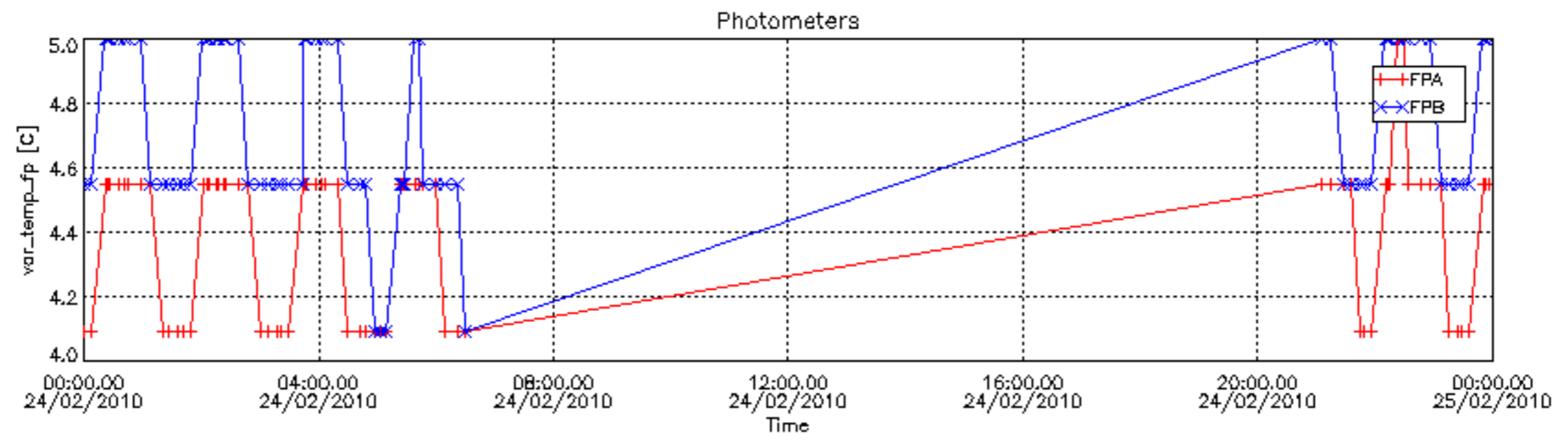
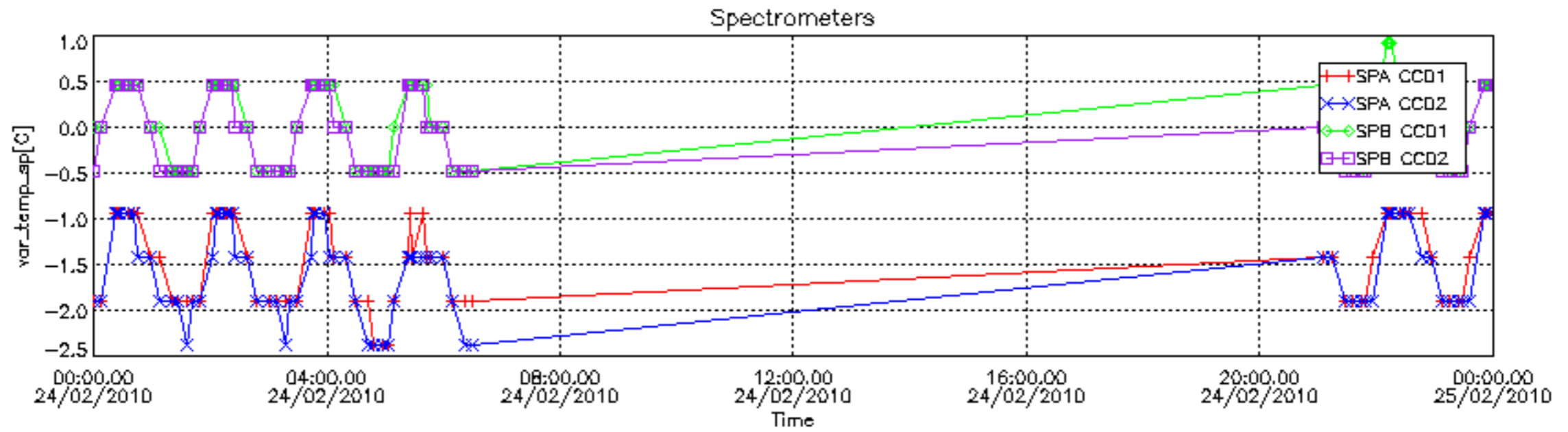


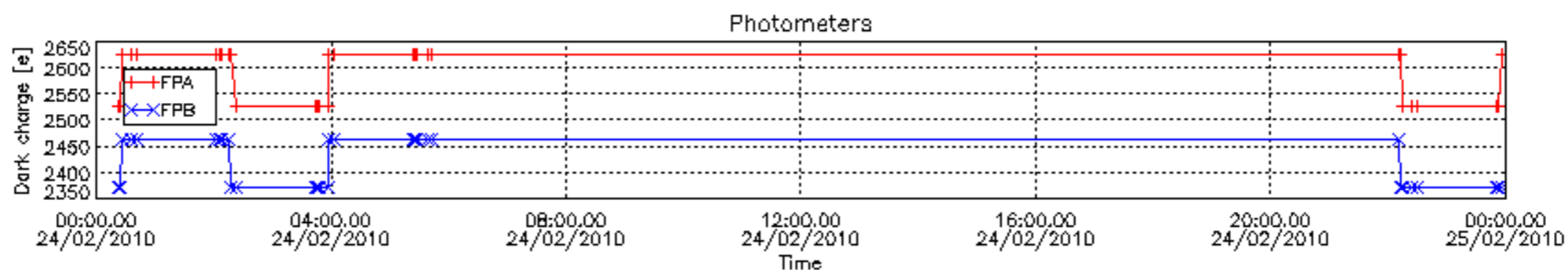
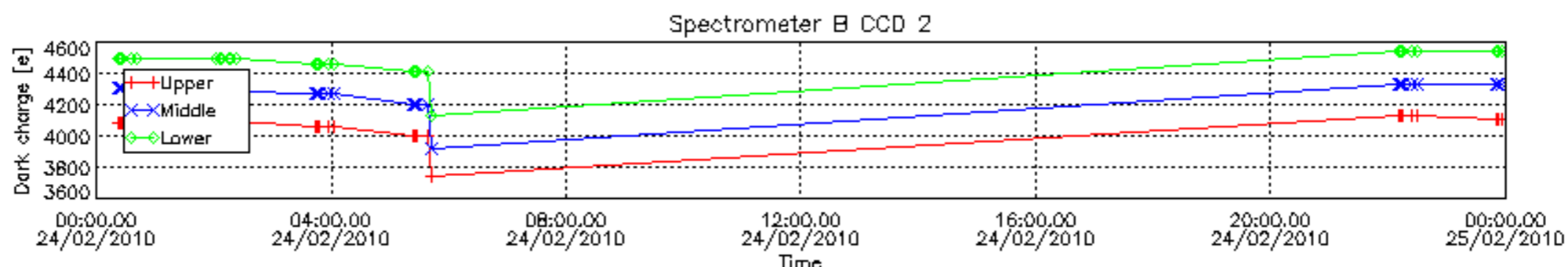
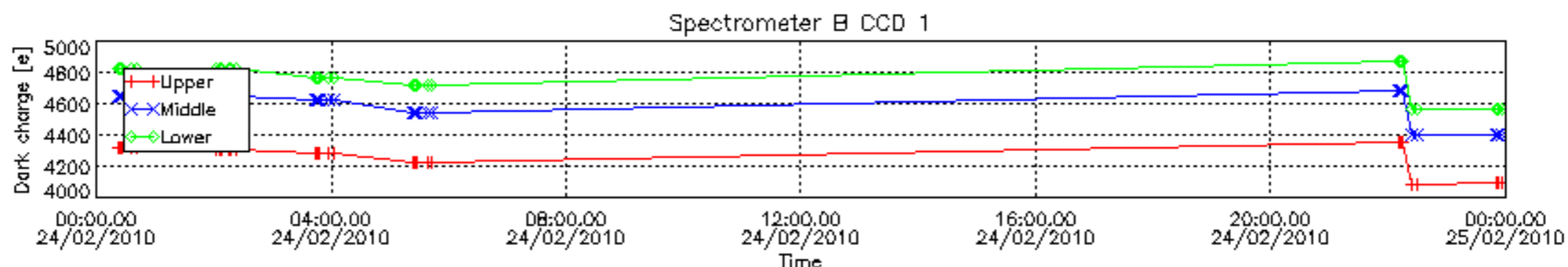
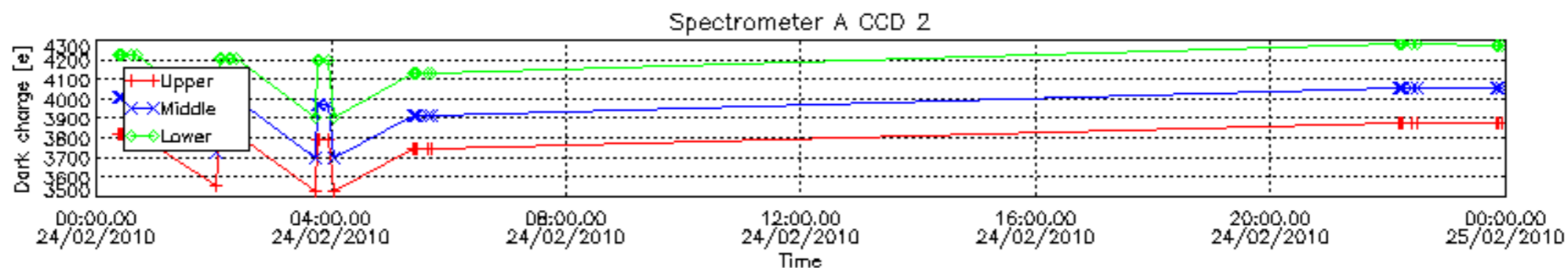
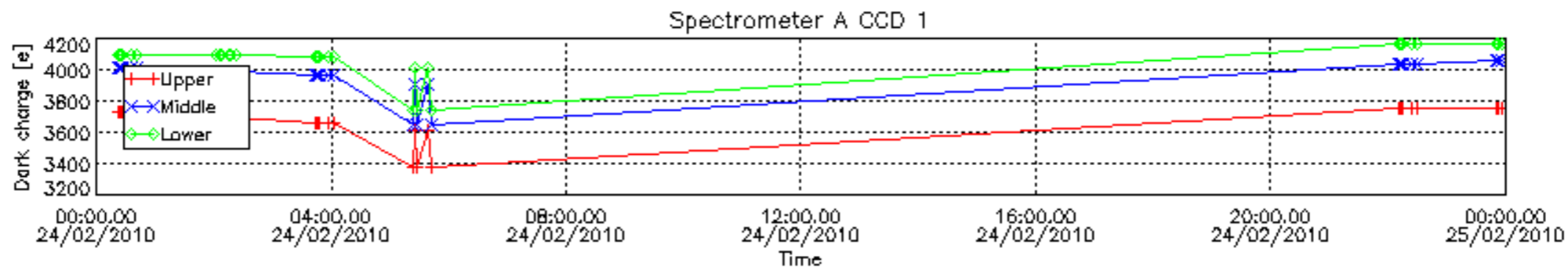
### 8. Auxiliary Data Files used for the production reported in section 2.4

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.

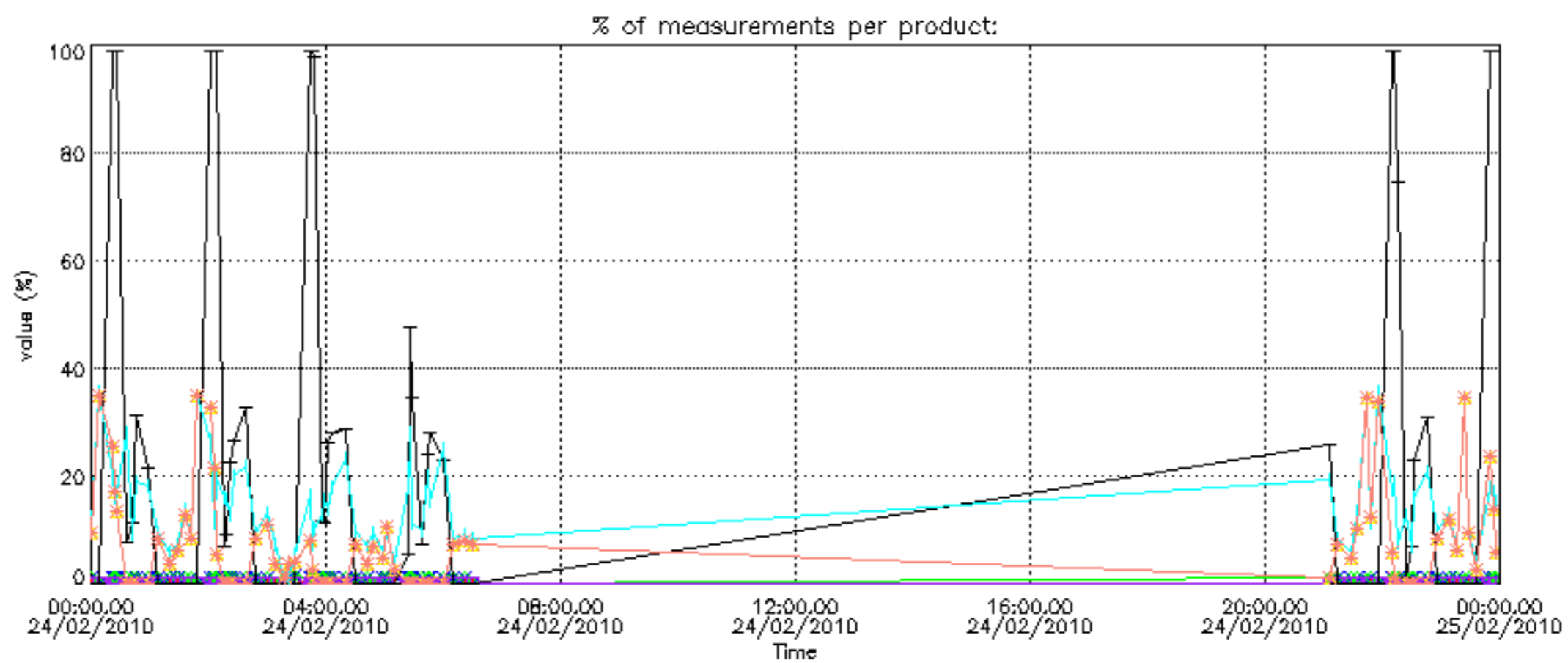
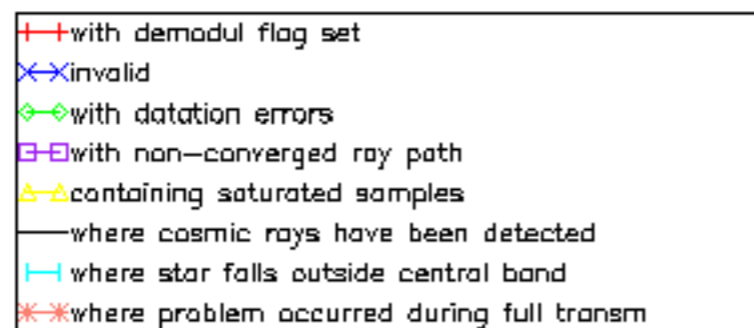
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-FEB-2010 00:00:30
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100223_152102_20100221_000000_20500101_000000	1	24-FEB-2010 00:00:30
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	24-FEB-2010 00:00:30
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	24-FEB-2010 00:00:30
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	24-FEB-2010 00:00:30
ECMWF_FILE	AUX_ECA_AXNECM20100224_050339_20100223_210000_20100224_090000	1	24-FEB-2010 00:00:30
ECMWF_FILE	AUX_ECF_AXNECM20100224_052555_20100224_210000_20100225_090000	54	24-FEB-2010 21:05:07
OPTIONAL_ECMWF_FILE	MISSING	1	24-FEB-2010 00:00:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100223_223449_000057382087_00115_41752_9820.N1	1	24-FEB-2010 00:00:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100224_001546_000054192087_00116_41753_9821.N1	3	24-FEB-2010 00:22:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100224_015124_000041442087_00117_41754_9822.N1	16	24-FEB-2010 02:02:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100224_030547_000057382087_00118_41755_9823.N1	27	24-FEB-2010 03:17:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100224_044644_000057382087_00119_41756_9824.N1	41	24-FEB-2010 04:58:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100224_204825_000041442087_00129_41766_9825.N1	54	24-FEB-2010 21:05:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100224_220248_000057382087_00129_41766_9826.N1	61	24-FEB-2010 22:10:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100224_234345_000057382087_00130_41767_9827.N1	74	24-FEB-2010 23:50:41



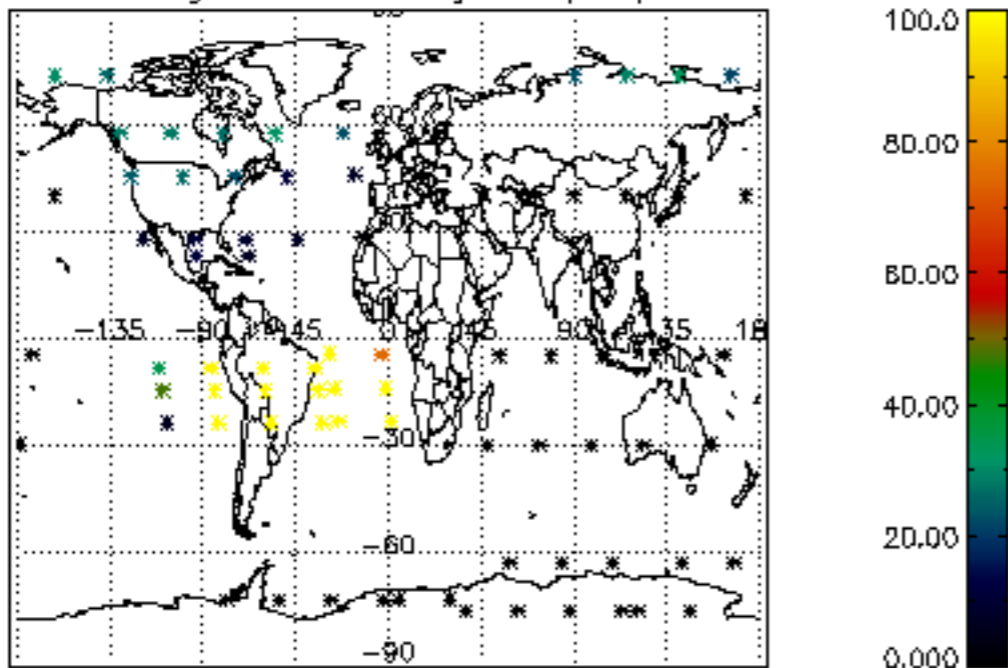




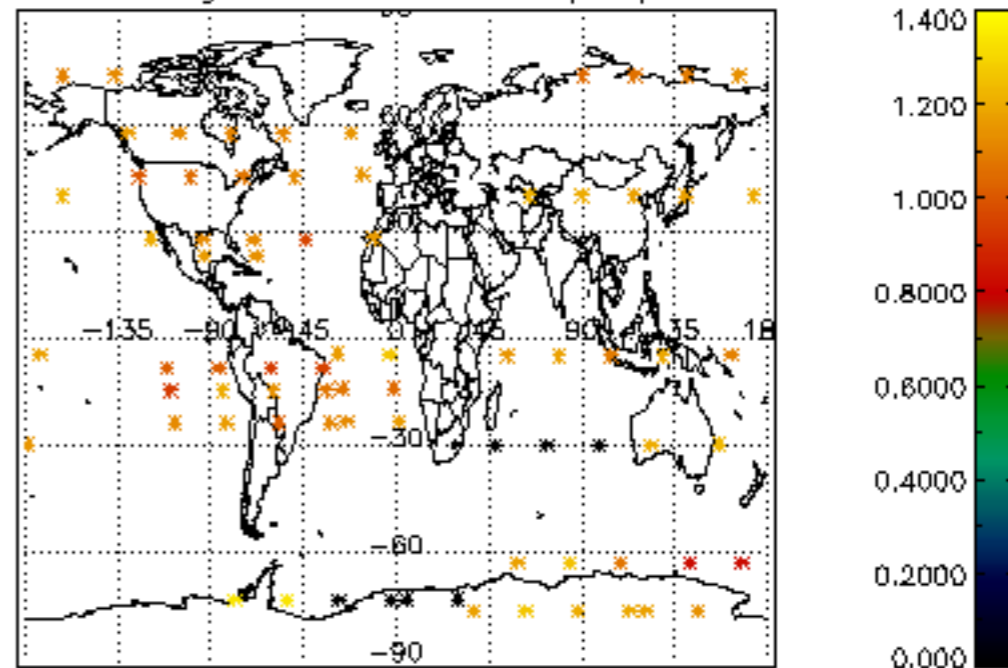




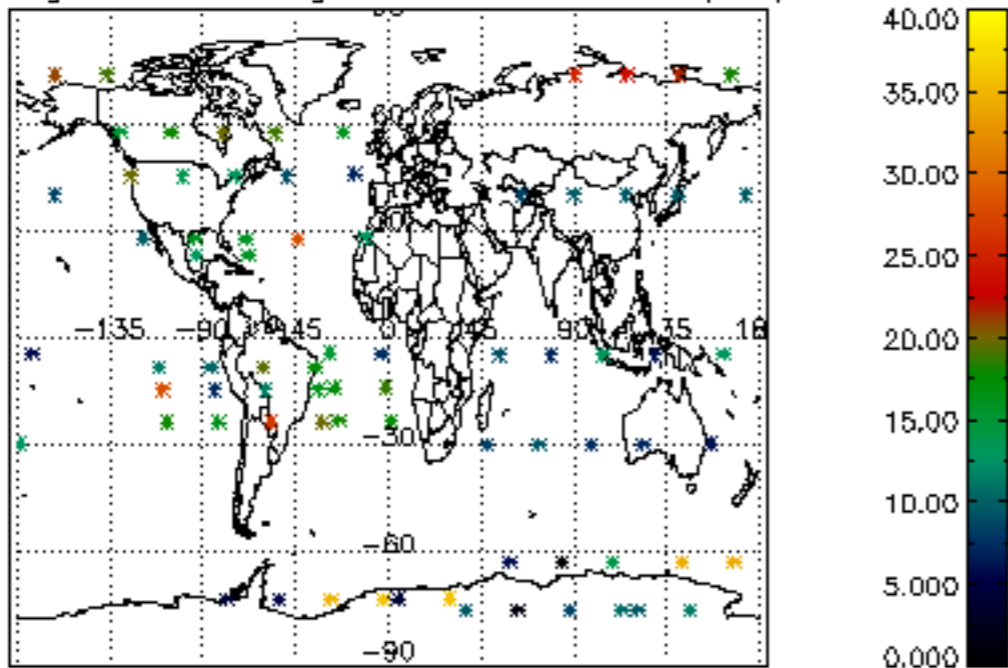
Percentage of cosmic ray hits per profile



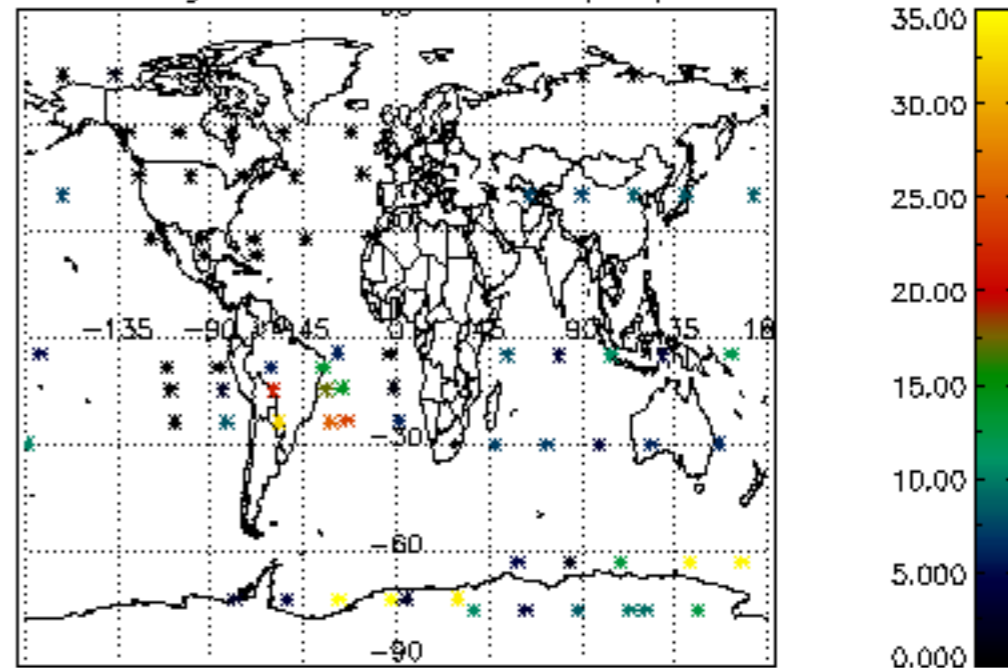
Percentage of datation errors per profile



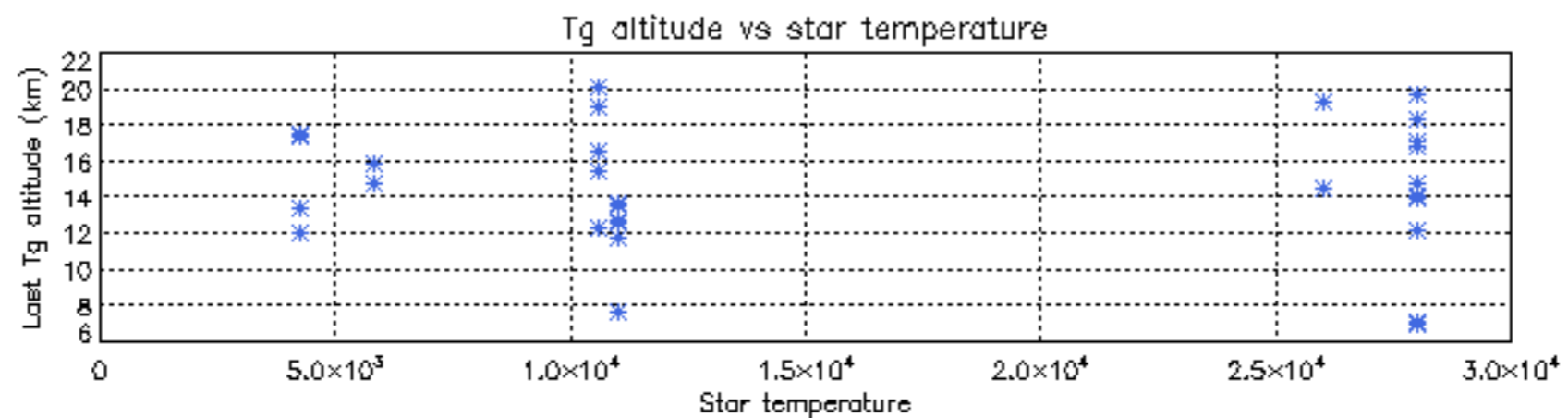
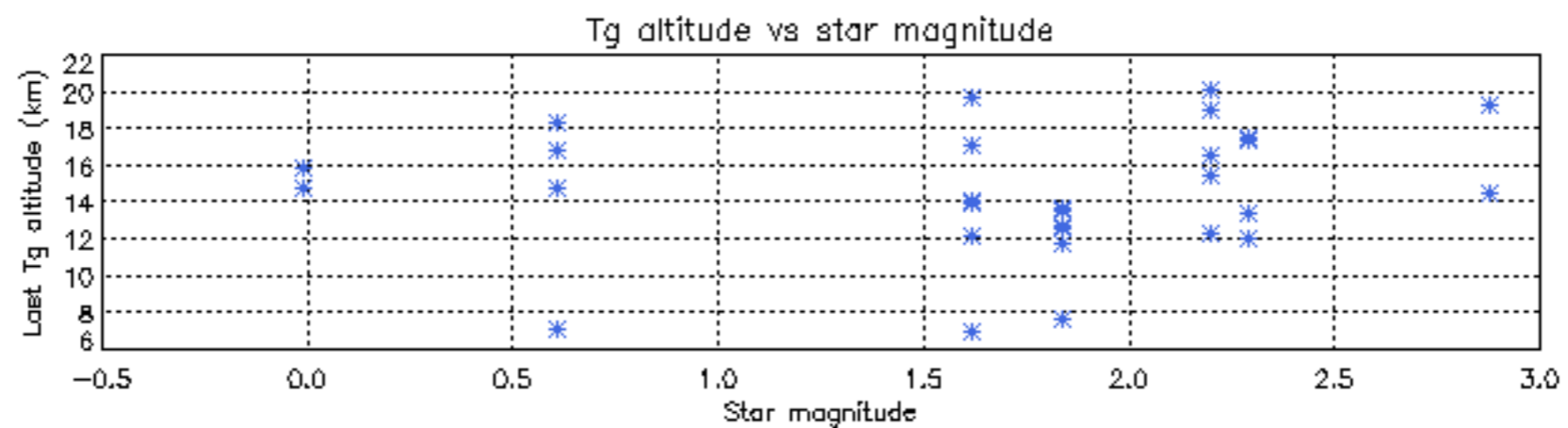
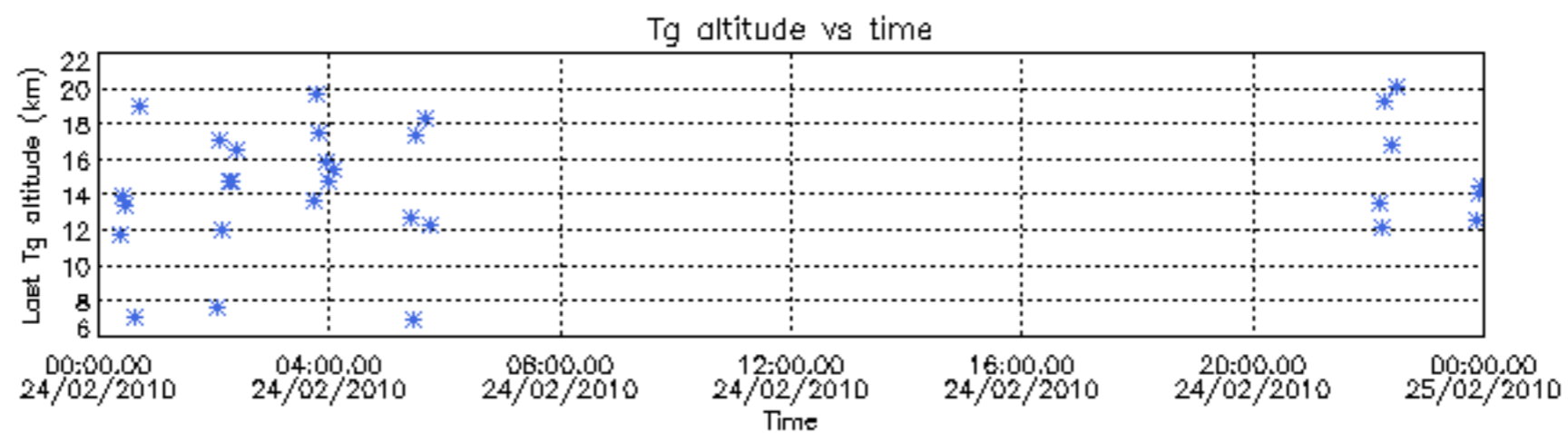
Percentage of star falling outside central band per profile



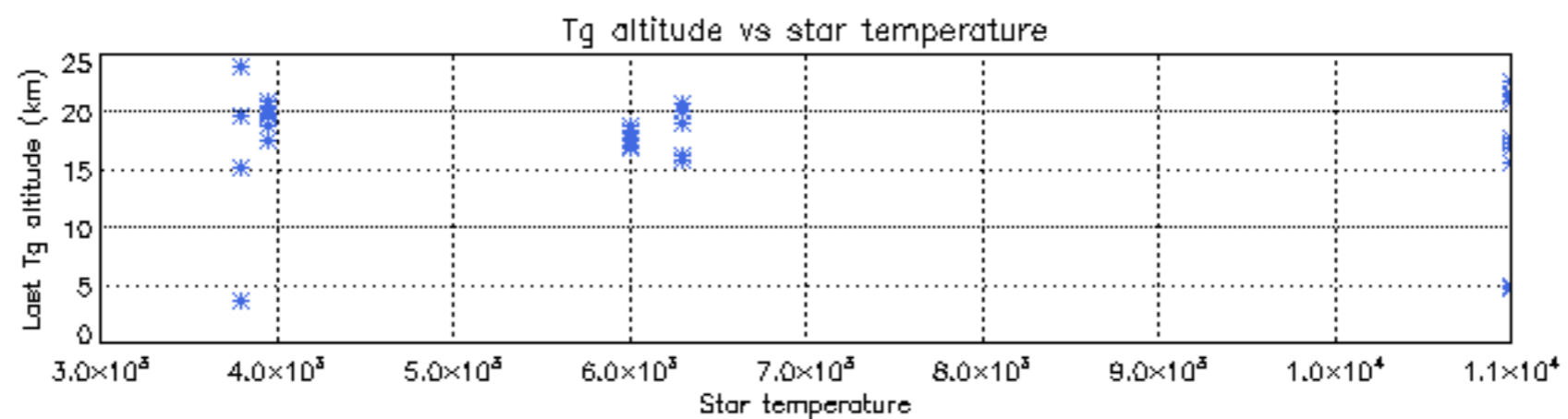
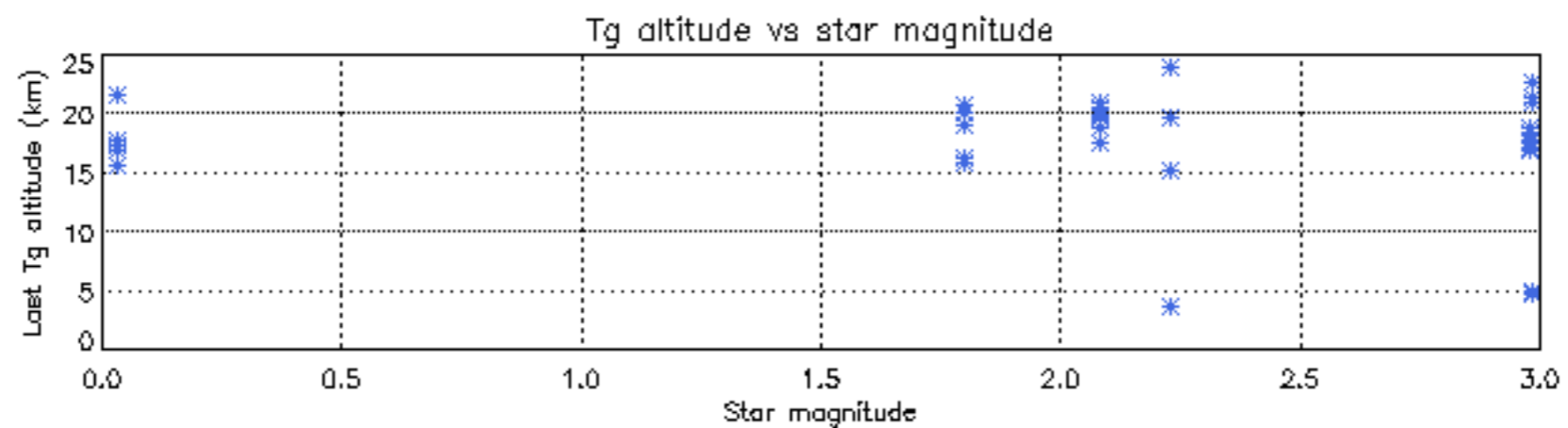
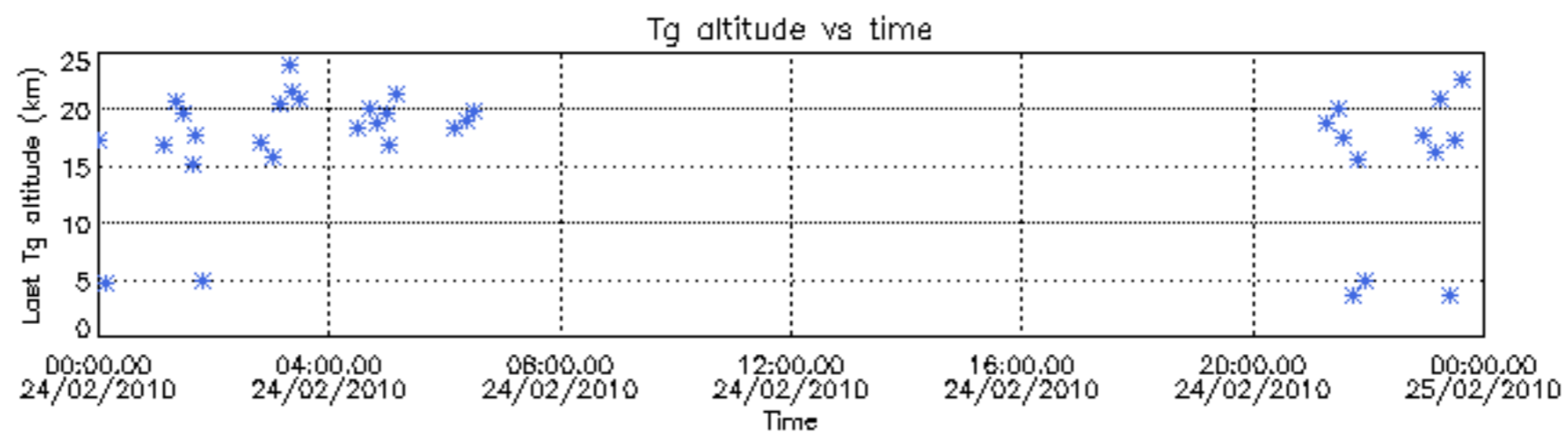
Percentage of saturation errors per profile

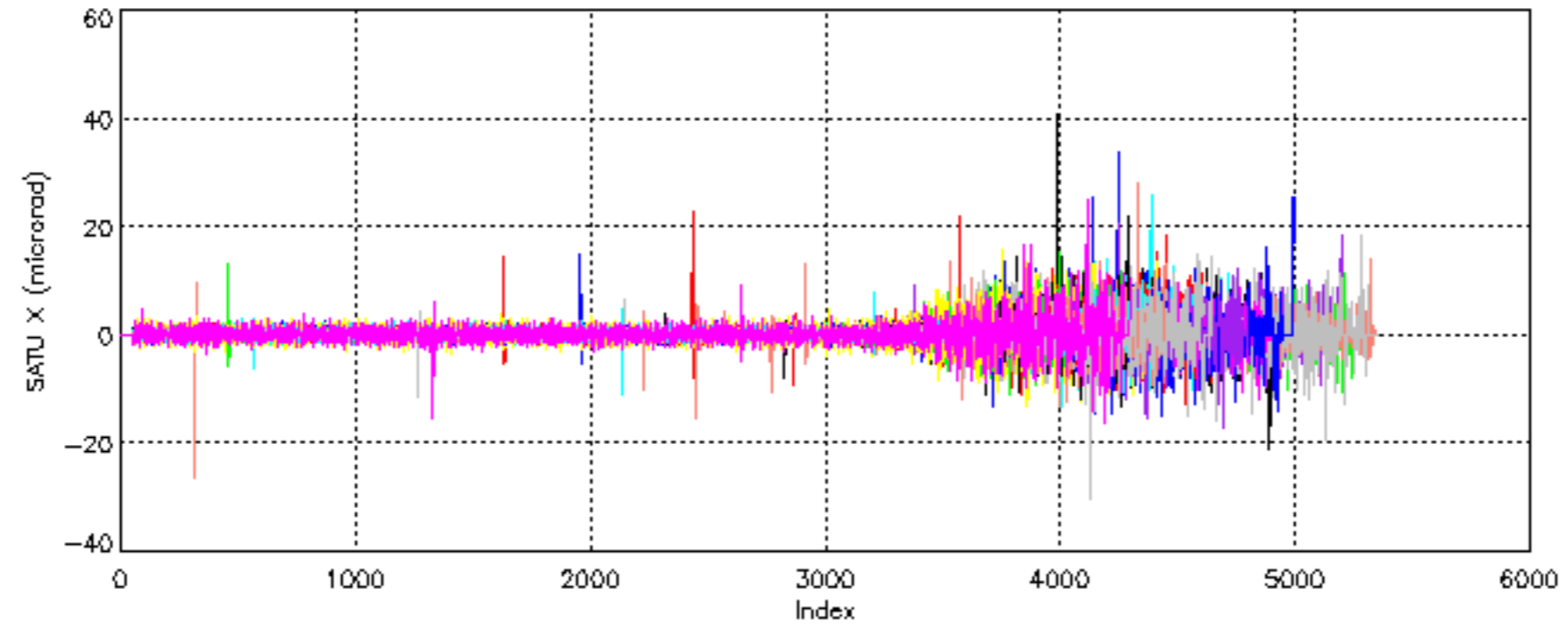


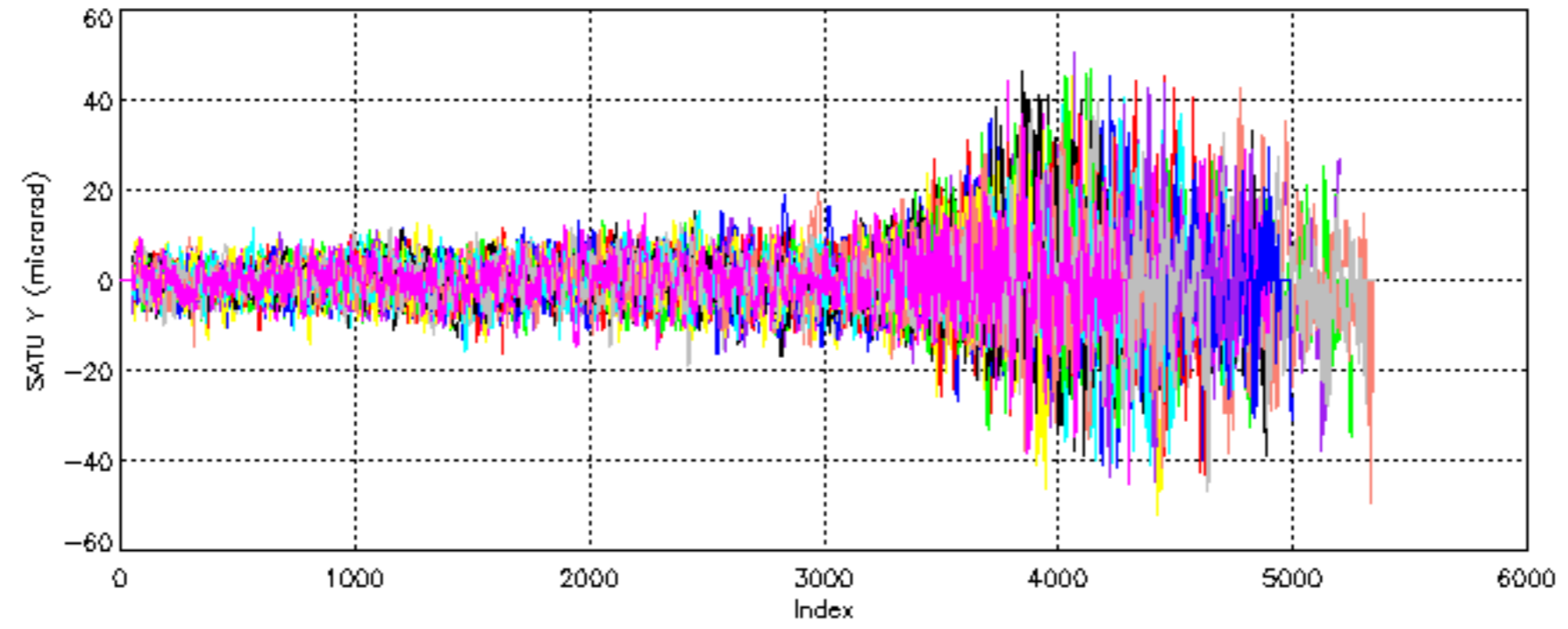
Tangent altitude at which the star is lost

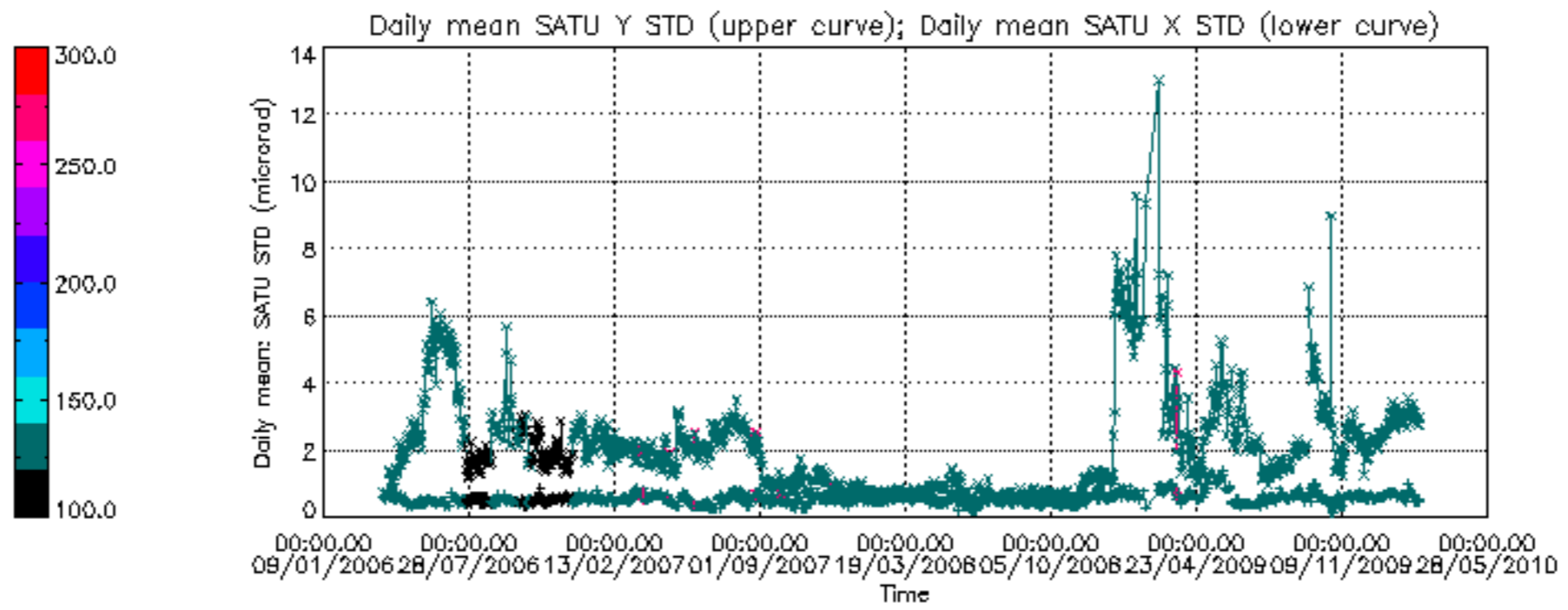


Tangent altitude at which the star is lost









/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  
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 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  
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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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 7; 107.6; 01-FEB-2010 02:34:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41426  
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 12; 709.0; 01-FEB-2010 02:44:15; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41426  
 13; 824.1; 01-FEB-2010 02:46:10; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41426  
 14; 929.0; 01-FEB-2010 02:47:55; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41426  
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 6; -1110.0; 01-FEB-2010 03:54:32; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;41426  
 7; -720.8; 01-FEB-2010 04:01:01; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41426  
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5; -1237.8; 01-FEB-2010 05:33:00; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;41427
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19; 1080.5; 01-FEB-2010 06:11:38; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41428
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3; 1082.8; 01-FEB-2010 19:36:28; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41436
4; 1207.6; 01-FEB-2010 19:38:33; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41436
5; 1469.4; 01-FEB-2010 19:42:54; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41436
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8; 2454.7; 01-FEB-2010 19:59:20; Bright; 54.0; 24; 66Alp Gem ; 1.58; 10200;occ; 108; 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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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
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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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 12; 109.7; 01-FEB-2010 07:36:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41429  
 13; 197.0; 01-FEB-2010 07:37:31; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;41429  
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 15; 472.5; 01-FEB-2010 07:42:06; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41429  
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 5; 3427.7; 01-FEB-2010 08:31:21; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;41429  
 6; 3612.6; 01-FEB-2010 08:34:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;41429  
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22; 6746.2; 01-FEB-2010 09:26:40; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41429
23; 6861.1; 01-FEB-2010 09:28:35; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;41429
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25; 7117.1; 01-FEB-2010 09:32:51; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41429
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7; 4086.6; 01-FEB-2010 10:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;41430
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23; 6966.3; 01-FEB-2010 11:10:56; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41430
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23; 6966.4; 01-FEB-2010 12:51:32; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41431
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 6; 3893.1; 02-FEB-2010 08:07:30; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41443  
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 8; 4307.3; 02-FEB-2010 08:14:24; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;41443  
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 14; 5935.3; 02-FEB-2010 08:41:32; Dark ; 43.5; 131; Gam Lup ; 2.80; 26000;occ; 87; 0;41443  
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 15; 6241.7; 02-FEB-2010 10:27:14; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0;41444  
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 17; 6517.0; 02-FEB-2010 10:31:49; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41444  
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 19; 6751.2; 02-FEB-2010 10:35:44; Dark ; 41.0; 159; Ups Car ; 2.92; 7200;occ; 82; 0;41444  
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13; 5675.3; 02-FEB-2010 11:58:24; Dark ; 46.5; 158; 6Pi Sco ; 2.91; 28000;occ; 93; 0;41445
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21; 6644.7; 02-FEB-2010 13:55:09; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;41446
22; 6751.6; 02-FEB-2010 13:56:56; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41446
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 10; 4086.7; 02-FEB-2010 18:14:19; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41449  
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 31; 6522.3; 03-FEB-2010 03:17:54; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41454  
 32; 6651.0; 03-FEB-2010 03:20:02; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41454  
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3;-1214.6; 06-FEB-2010 07:57:05; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41500  
4;-1084.0; 06-FEB-2010 07:59:16; Bright; 54.5; 126; 60Bet Oph ; 2.77; 4250;occ; 109; 0;41500  
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8; 312.6; 06-FEB-2010 08:22:32; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41501  
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3; 3881.6; 06-FEB-2010 09:22:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41501  
4; 4084.9; 06-FEB-2010 09:25:25; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;41501  
5; 4821.8; 06-FEB-2010 09:37:42; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41501  
6; 4951.9; 06-FEB-2010 09:39:52; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;41501  
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12; 6883.2; 06-FEB-2010 10:12:03; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41501  
13; 6986.8; 06-FEB-2010 10:13:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41501  
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4; 4084.6; 06-FEB-2010 11:06:00; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41502  
5; 4822.1; 06-FEB-2010 11:18:18; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;41502



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3; -1951.4; 06-FEB-2010 12:46:36; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41503
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3; 3881.0; 06-FEB-2010 14:23:48; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41504
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5; -533.0; 07-FEB-2010 07:36:50; Dark ; 45.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 90; 0;41514
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4; 4083.3; 08-FEB-2010 10:02:45; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41530
5; 4832.1; 08-FEB-2010 10:15:14; Bright; 43.0; 59; 55Alp Oph ; 2.08; 8900;occ; 86; 0;41530
6; 4963.4; 08-FEB-2010 10:17:25; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41530
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11; 6012.0; 08-FEB-2010 10:34:53; Dark ; 45.0; 131; Gam Lup ; 2.80; 26000;occ; 90; 0;41530
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13; 6367.0; 08-FEB-2010 10:40:48; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;41530
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5; 4083.4; 08-FEB-2010 13:23:56; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41532
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11; 5690.2; 12-FEB-2010 18:26:38; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41592  
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14; 5965.0; 12-FEB-2010 18:31:13; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;41592  
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16; 6266.3; 12-FEB-2010 18:36:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41592  
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7; 4078.0; 12-FEB-2010 19:40:22; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41593  
8; 4325.0; 12-FEB-2010 19:44:29; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41593  
9; 4735.6; 12-FEB-2010 19:51:20; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41593  
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11; 5569.7; 12-FEB-2010 20:05:14; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;41593  
12; 5690.6; 12-FEB-2010 20:07:15; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;41593  
13; 5769.4; 12-FEB-2010 20:08:34; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;41593  
14; 5877.2; 12-FEB-2010 20:10:21; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;41593  
15; 5965.4; 12-FEB-2010 20:11:50; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;41593  
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16; 4077.7; 13-FEB-2010 02:22:46; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41597
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19; 4736.1; 13-FEB-2010 02:33:44; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;41597
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21; 4993.0; 13-FEB-2010 02:38:01; Bright; 47.0; 126; 60Bet Oph ; 2.77; 4250;occ; 94; 0;41597
22; 5423.6; 13-FEB-2010 02:45:11; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41597
23; 5570.8; 13-FEB-2010 02:47:39; Dark ; 42.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 84; 0;41597
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26; 5966.9; 13-FEB-2010 02:54:15; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;41597
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28; 6270.1; 13-FEB-2010 02:59:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41597
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31; 6686.1; 13-FEB-2010 03:06:14; Dark ; 55.5; 64; Gam Cen ; 2.20; 10600;occ; 111; 0;41597
32; 6970.4; 13-FEB-2010 03:10:58; Dark ; 39.0; 91; Kap Vel ; 2.49; 26000;occ; 78; 0;41597
33; 7169.2; 13-FEB-2010 03:14:17; Dark ; 49.5; 65; Lam Vel ; 2.20; 4400;occ; 99; 0;41597
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19; 2385.7; 13-FEB-2010 05:15:45; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41599
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4; 4330.5; 16-FEB-2010 14:16:54; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41647
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7; 6095.9; 16-FEB-2010 14:46:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41647
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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
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6; 5590.1; 16-FEB-2010 17:59:06; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 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
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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
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7; 6101.9; 17-FEB-2010 10:53:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41659
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3; 4070.6; 17-FEB-2010 12:00:21; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;41660
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7; 5808.6; 17-FEB-2010 12:29:19; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;41660
8; 6102.4; 17-FEB-2010 12:34:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41660
9; 6367.5; 17-FEB-2010 12:38:38; Dark ; 46.0; 4; Alp1Cen ; -0.01; 5800;occ; 92; 0;41660
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3; 4070.2; 17-FEB-2010 15:21:33; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41662
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6; 5730.2; 17-FEB-2010 15:49:13; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;41662
7; 5810.4; 17-FEB-2010 15:50:33; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41662
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5; 5028.3; 17-FEB-2010 17:18:07; Dark ; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41663
6; 5731.2; 17-FEB-2010 17:29:50; Dark ; 42.0; 25; 35Lam Sco ; 1.62; 28000;occ; 84; 0;41663
7; 5811.3; 17-FEB-2010 17:31:10; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;41663
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11; 6535.2; 17-FEB-2010 17:43:14; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41663
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13; 6737.2; 17-FEB-2010 17:46:36; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41663
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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
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14; 6738.3; 17-FEB-2010 21:07:49; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41665

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7; 595.1; 18-FEB-2010 00:27:13; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 0;41668
8; 704.1; 18-FEB-2010 00:29:02; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41668
9; 938.4; 18-FEB-2010 00:32:57; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;41668
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2; -209.5; 18-FEB-2010 22:01:36; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;41680
3; 76.8; 18-FEB-2010 22:06:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41681

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5; 423.3; 18-FEB-2010 22:12:09; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41681
6; 512.0; 18-FEB-2010 22:13:37; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;41681
7; 601.1; 18-FEB-2010 22:15:06; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41681
8; 713.8; 18-FEB-2010 22:16:59; Dark ; 50.5; 64; Gam Cen ; 2.20; 10600;occ; 101; 0;41681
9; 944.1; 18-FEB-2010 22:20:49; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41681
10; 1741.6; 18-FEB-2010 22:34:07; Dark ; 48.5; 48; 30Alp Hya ; 1.98; 4100;occ; 97; 0;41681
11; 3540.8; 18-FEB-2010 23:04:06; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41681
12; 4067.5; 18-FEB-2010 23:12:53; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41681
13; 4332.5; 18-FEB-2010 23:17:18; Bright; 39.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 78; 0;41681
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3; 77.3; 18-FEB-2010 23:46:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41682
4; 344.4; 18-FEB-2010 23:51:26; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;41682
5; 423.9; 18-FEB-2010 23:52:45; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;41682
6; 512.8; 18-FEB-2010 23:54:14; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41682
7; 601.7; 18-FEB-2010 23:55:43; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;41682
8; 714.5; 18-FEB-2010 23:57:36; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;41682
9; 944.5; 19-FEB-2010 00:01:26; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41682
10; 1741.8; 19-FEB-2010 00:14:43; Dark ; 51.0; 48; 30Alp Hya ; 1.98; 4100;occ; 102; 0;41682
11; 3540.5; 19-FEB-2010 00:44:42; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41682
12; 4067.3; 19-FEB-2010 00:53:29; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41682
13; 4332.6; 19-FEB-2010 00:57:54; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41682
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4; -217.5; 18-FEB-2010 06:56:05; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;41671
5; 71.7; 18-FEB-2010 07:00:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41672
6; 338.5; 18-FEB-2010 07:05:21; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;41672
7; 418.0; 18-FEB-2010 07:06:40; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41672
8; 505.3; 18-FEB-2010 07:08:07; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41672
9; 597.0; 18-FEB-2010 07:09:39; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41672
10; 707.1; 18-FEB-2010 07:11:29; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41672
11; 940.3; 18-FEB-2010 07:15:22; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;41672
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2; 3543.8; 18-FEB-2010 07:58:46; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41672
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
10; 6633.5; 18-FEB-2010 08:50:16; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41672
11; 6743.9; 18-FEB-2010 08:52:06; Dark ; 53.0; 64; Gam Cen ; 2.20; 10600;occ; 106; 0;41672
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2; 3543.3; 18-FEB-2010 09:39:21; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41673
3; 4068.8; 18-FEB-2010 09:48:07; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41673
4; 4332.3; 18-FEB-2010 09:52:30; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41673
5; 5737.5; 18-FEB-2010 10:15:55; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41673
6; 5820.1; 18-FEB-2010 10:17:18; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;41673
7; 6108.6; 18-FEB-2010 10:22:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41673
8; 6375.7; 18-FEB-2010 10:26:34; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;41673
9; 6455.1; 18-FEB-2010 10:27:53; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41673
10; 6542.6; 18-FEB-2010 10:29:21; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41673
11; 6634.1; 18-FEB-2010 10:30:52; Dark ; 47.5; 12; Alp1Cru ; 0.77; 30000;occ; 95; 0;41673
12; 6744.7; 18-FEB-2010 10:32:43; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41673
13; 6977.0; 18-FEB-2010 10:36:35; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;41673
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2; 3543.5; 18-FEB-2010 11:19:57; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;41674
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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5; 5737.9; 18-FEB-2010 11:56:32; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41674
6; 5820.9; 18-FEB-2010 11:57:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;41674
7; 6109.0; 18-FEB-2010 12:02:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41674
8; 6376.3; 18-FEB-2010 12:07:10; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;41674
9; 6455.5; 18-FEB-2010 12:08:29; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41674
10; 6543.3; 18-FEB-2010 12:09:57; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41674
11; 6634.4; 18-FEB-2010 12:11:28; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;41674
12; 6745.4; 18-FEB-2010 12:13:19; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41674
13; 6977.6; 18-FEB-2010 12:17:11; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41674
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3; 4068.4; 18-FEB-2010 13:09:18; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41675
4; 4332.3; 18-FEB-2010 13:13:42; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41675
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
8; 6376.8; 18-FEB-2010 13:47:47; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;41675
9; 6456.2; 18-FEB-2010 13:49:06; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;41675
10; 6544.4; 18-FEB-2010 13:50:34; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41675
11; 6634.9; 18-FEB-2010 13:52:05; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41675
12; 6746.3; 18-FEB-2010 13:53:56; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41675
13; 6978.1; 18-FEB-2010 13:57:48; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;41675
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2; 3542.6; 18-FEB-2010 14:41:08; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41676
3; 4068.4; 18-FEB-2010 14:49:54; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;41676
4; 4332.6; 18-FEB-2010 14:54:18; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41676
5; 5739.4; 18-FEB-2010 15:17:45; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41676
6; 5822.8; 18-FEB-2010 15:19:08; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;41676
7; 6110.1; 18-FEB-2010 15:23:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41676
8; 6377.4; 18-FEB-2010 15:28:23; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41676
9; 6457.0; 18-FEB-2010 15:29:43; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41676
10; 6544.8; 18-FEB-2010 15:31:10; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41676
11; 6635.2; 18-FEB-2010 15:32:41; Dark ; 47.5; 12; Alp1Cru ; 0.77; 30000;occ; 95; 0;41676
12; 6746.8; 18-FEB-2010 15:34:32; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41676
13; 6978.7; 18-FEB-2010 15:38:24; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41676
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3; 4068.3; 18-FEB-2010 16:30:30; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41677
4; 4332.7; 18-FEB-2010 16:34:54; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41677
5; 5740.2; 18-FEB-2010 16:58:22; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41677
6; 5823.6; 18-FEB-2010 16:59:45; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;41677
7; 6111.3; 18-FEB-2010 17:04:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41677
8; 6377.8; 18-FEB-2010 17:08:59; Dark ; 46.0; 4; Alp1Cen ;-0.01; 5800;occ; 92; 0;41677
9; 6457.7; 18-FEB-2010 17:10:19; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41677
10; 6545.8; 18-FEB-2010 17:11:47; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41677
11; 6635.8; 18-FEB-2010 17:13:17; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;41677
12; 6747.6; 18-FEB-2010 17:15:09; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41677
13; 6978.7; 18-FEB-2010 17:19:00; Dark ; 40.5; 113; Mu Vel ; 2.69; 5000;occ; 81; 0;41677
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3; 4067.8; 18-FEB-2010 18:11:05; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;41678
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6; 5824.6; 18-FEB-2010 18:40:22; Dark ; 58.5; 75; 26Eps Sco ; 2.29; 4250;occ; 117; 0;41678
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3; 422.7; 18-FEB-2010 20:31:32; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;41680
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
7; 943.7; 18-FEB-2010 20:40:13; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41680
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3; 77.8; 19-FEB-2010 01:27:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41683
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8; 715.2; 19-FEB-2010 01:38:12; Dark ; 49.5; 64; Gam Cen ; 2.20; 10600;occ; 99; 0;41683
9; 944.8; 19-FEB-2010 01:42:02; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41683
10; 1741.9; 19-FEB-2010 01:55:19; Dark ; 48.5; 48; 30Alp Hya ; 1.98; 4100;occ; 97; 0;41683
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13; 4333.0; 19-FEB-2010 02:38:30; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41683
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22; 6981.3; 19-FEB-2010 03:22:38; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41683
23; 7777.7; 19-FEB-2010 03:35:55; Dark ; 49.0; 48; 30Alp Hya ; 1.98; 4100;occ; 98; 0;41683
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6; 78.9; 19-FEB-2010 04:48:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41685
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13; 1742.1; 19-FEB-2010 05:16:31; Dark ; 47.5; 48; 30Alp Hya ; 1.98; 4100;occ; 95; 0;41685
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3; 3431.5; 19-FEB-2010 20:50:04; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;41694
4; 3536.8; 19-FEB-2010 20:51:49; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;41694
5; 4065.5; 19-FEB-2010 21:00:38; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41694
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4; -196.7; 19-FEB-2010 21:30:12; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41694
5; -27.7; 19-FEB-2010 21:33:01; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;41694
6; 84.1; 19-FEB-2010 21:34:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41695
7; 352.1; 19-FEB-2010 21:39:21; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41695
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10; 723.9; 19-FEB-2010 21:45:32; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41695
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13; 3431.4; 19-FEB-2010 22:30:40; Bright; 52.0; 49; 1Alp UMi ; 1.99; 6300;occ; 104; 0;41695
14; 3536.2; 19-FEB-2010 22:32:25; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41695
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5; 79.4; 19-FEB-2010 06:29:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41686
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11; 946.2; 19-FEB-2010 06:43:51; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41686
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5; 4756.9; 19-FEB-2010 07:47:22; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41686
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14; 6982.7; 19-FEB-2010 08:24:28; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41686
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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
5; 4757.5; 19-FEB-2010 09:27:59; Bright; 36.0; 168; 17Zet Aql ; 2.99; 11000;occ; 72; 0;41687
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7; 5832.7; 19-FEB-2010 09:45:54; Dark ; 61.0; 75; 26Eps Sco ; 2.29; 4250;occ; 122; 0;41687
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11; 6553.2; 19-FEB-2010 09:57:54; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 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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11; 6554.2; 19-FEB-2010 11:38:31; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41688
12; 6640.9; 19-FEB-2010 11:39:58; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;41688
13; 6755.6; 19-FEB-2010 11:41:53; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41688
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5; 4757.7; 19-FEB-2010 12:49:10; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41689
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
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9; 6385.2; 19-FEB-2010 13:16:18; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;41689
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 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  
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 7; 5835.5; 19-FEB-2010 14:47:44; Dark ; 56.5; 75; 26Eps Sco ; 2.29; 4250;occ; 113; 0;41690  
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 5; 4758.3; 19-FEB-2010 16:10:23; Bright; 52.5; 168; 17Zet Aql ; 2.99; 11000;occ; 105; 0;41691  
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 9; 6244.5; 19-FEB-2010 16:35:09; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;41691  
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8; 4339.8; 26-FEB-2010 03:59:06; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41784
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3; 2332.1; 26-FEB-2010 08:27:26; Bright; 40.0; 166; 17Eps Leo ; 2.98; 6000;occ; 80; 0;41787  
4; 2846.4; 26-FEB-2010 08:36:01; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;41787  
5; 3003.1; 26-FEB-2010 08:38:37; Bright; 62.0; 82; 48Bet UMa ; 2.37; 10600;occ; 124; 0;41787  
6; 3091.6; 26-FEB-2010 08:40:06; Bright; 31.0; 87; 64Gam UMa ; 2.43; 11000;occ; 62; 0;41787  
7; 3506.2; 26-FEB-2010 08:47:00; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41787  
8; 3791.9; 26-FEB-2010 08:51:46; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;41787  
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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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  
17; 5932.4; 26-FEB-2010 09:27:27; Dark ; 54.0; 75; 26Eps Sco ; 2.29; 4250;occ; 108; 0;41787  
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19; 6284.7; 26-FEB-2010 09:33:19; Dark ; 48.5; 131; Gam Lup ; 2.80; 26000;occ; 97; 0;41787  
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22; 6626.9; 26-FEB-2010 09:39:01; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41787  
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24; 6823.4; 26-FEB-2010 09:42:18; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;41787  
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4; 2845.0; 26-FEB-2010 11:57:11; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;41789  
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  
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8; 3791.1; 26-FEB-2010 12:12:57; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;41789  
9; 4047.2; 26-FEB-2010 12:17:13; Bright; 45.5; 130; 23Bet Dra ; 2.80; 5800;occ; 91; 0;41789  
10; 4209.2; 26-FEB-2010 12:19:55; Bright; 35.5; 144; 18Del Cyg ; 2.86; 11000;occ; 71; 0;41789  
11; 4339.7; 26-FEB-2010 12:22:06; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;41789  
12; 4785.3; 26-FEB-2010 12:29:31; Bright; 56.0; 168; 17Zet Aql ; 2.99; 11000;occ; 112; 0;41789  
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14; 5514.5; 26-FEB-2010 12:41:41; Dark ; 46.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 92; 0;41789  
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21; 6525.2; 26-FEB-2010 12:58:31; Dark ; 40.0; 10; Bet Cen ; 0.61; 28000;occ; 80; 0;41789  
22; 6628.3; 26-FEB-2010 13:00:14; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41789  
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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
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19; 6288.5; 26-FEB-2010 14:35:10; Dark ; 49.5; 131; Gam Lup ; 2.80; 26000;occ; 99; 0;41790
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4; 2843.7; 26-FEB-2010 15:18:21; Bright; 68.0; 174; 52Psi UMa ; 3.00; 4400;occ; 136; 0;41791
5; 3001.1; 26-FEB-2010 15:20:59; Bright; 41.5; 82; 48Bet UMA ; 2.37; 10600;occ; 83; 0;41791
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23; 6746.0; 26-FEB-2010 16:23:24; Dark ; 50.0; 26; Gam Cru ; 1.62; 2900;occ; 100; 0;41791
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5; 3000.7; 26-FEB-2010 17:01:35; Bright; 62.0; 82; 48Bet UMA ; 2.37; 10600;occ; 124; 0;41792
6; 3087.7; 26-FEB-2010 17:03:02; Bright; 43.0; 87; 64Gam UMA ; 2.43; 11000;occ; 86; 0;41792
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7; 257.4; 26-FEB-2010 21:17:39; Dark ; 51.5; 131; Gam Lup ; 2.80; 26000;occ; 103; 0;41795
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2;	2289.0;	27-FEB-2010	16:18:06;	Bright;	45.5;	51;	41Gam1Leo	;	2.01;	4500;occ;	91;	0;	41806
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11;	4790.6;	27-FEB-2010	16:59:48;	Bright;	37.0;	168;	17Zet Aql	;	2.99;	11000;occ;	74;	0;	41806
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19; 6761.5; 28-FEB-2010 18:41:38; Dark ; 44.0; 26; Gam Cru ; 1.62; 2900;occ; 88; 0;41821
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 6; 3777.2; 28-FEB-2010 19:32:29; Bright; 47.5; 119; 14Eta Dra ; 2.73; 4700;occ; 95; 0;41822
 7; 4039.4; 28-FEB-2010 19:36:51; Bright; 45.0; 130; 23Bet Dra ; 2.80; 5800;occ; 90; 0;41822
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