

# GOMOS Daily Report 26-APR-2011

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	28APR2011 07:01:52
Data source version	GOMOS/5.01
Start time of products	26APR2011 00:02:10
Stop time of products	26APR2011 23:58:40
Store outputs in DB	Yes
Nb of level 1b prods	257
Nb of prods with errors	3

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

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

### 2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).

! DMOP (mission plan) file not available for current day: plot NOT generated.

### 2.3 Summary of missing occultations (red segments in previous plot)

! DMOP (mission plan) file not available for current day: information on missing products NOT generated.

### 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_1PNPDE20110426_000210_000000403102_00002_47861_8190.N1	26-APR-2011 00:02:10	Twilight	40.000	16	21Alp Sco	1.0200	3000.0	80	47861	No
2	GOM_TRA_1PNPDE20110426_000439_000000663102_00002_47861_8191.N1	26-APR-2011 00:04:39	Twilight	65.500	80	7Del Sco	2.3160	30000.	131	47861	No
3	GOM_TRA_1PNPDE20110426_000804_000000463102_00002_47861_8192.N1	26-APR-2011 00:08:04	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	47861	No
4	GOM_TRA_1PNPDE20110426_001032_000000673102_00002_47861_8193.N1	26-APR-2011 00:10:32	Bright	66.500	104	27Bet Lib	2.6140	13100.	133	47861	No
5	GOM_TRA_1PNPDE20110426_001905_000000413102_00002_47861_8194.N1	26-APR-2011 00:19:05	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	47861	No
6	GOM_TRA_1PNPDE20110426_002310_000000493102_00002_47861_8195.N1	26-APR-2011 00:23:10	Bright	48.500	83		2.3780	11000.	97	47861	No
7	GOM_TRA_1PNPDE20110426_002605_000000443102_00002_47861_8196.N1	26-APR-2011 00:26:05	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	47861	No
8	GOM_TRA_1PNPDE20110426_002803_000000383102_00002_47861_8197.N1	26-APR-2011 00:28:03	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47861	No
9	GOM_TRA_1PNPDE20110426_003527_000000403102_00002_47861_8198.N1	26-APR-2011 00:35:27	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	47861	No
10	GOM_TRA_1PNPDE20110426_004537_000000403102_00002_47861_8199.N1	26-APR-2011 00:45:37	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	47861	No
11	GOM_TRA_1PNPDE20110426_005050_000000573102_00002_47861_8200.N1	26-APR-2011 00:50:50	Bright	57.000	19	50Alp Cyg	1.2460	10500.	114	47861	No
12	GOM_TRA_1PNPDE20110426_005628_000000433102_00002_47861_8201.N1	26-APR-2011 00:56:28	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	47861	No
13	GOM_TRA_1PNPDE20110426_010431_000000593102_00002_47861_8202.N1	26-APR-2011 01:04:31	Dark	58.500	61	8Eps Peg	2.1000	3900.0	117	47861	No
14	GOM_TRA_1PNPDE20110426_010659_000000503102_00002_47861_8203.N1	26-APR-2011 01:06:59	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47861	No
15	GOM_TRA_1PNPDE20110426_011016_000000563102_00002_47861_8227.N1	26-APR-2011 01:10:16	Dark	55.500	154	22Bet Aqr	2.8990	5700.0	111	47861	No
16	GOM_TRA_1PNPDE20110426_013154_000000433102_00003_47862_8228.N1	26-APR-2011 01:31:54	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	47862	No
17	GOM_TRA_1PNPDE20110426_013326_000000553102_00003_47862_8229.N1	26-APR-2011 01:33:26	Straylight	54.500	40	The Sco	1.8590	7100.0	109	47862	No
18	GOM_TRA_1PNPDE20110426_013505_000000633102_00003_47862_8230.N1	26-APR-2011 01:35:05	Straylight	63.000	25	35Lam Sco	1.6200	28000.	126	47862	No
19	GOM_TRA_1PNPDE20110426_013827_000000623102_00003_47862_8231.N1	26-APR-2011 01:38:27	Straylight	61.500	75	26Eps Sco	2.2910	4250.0	123	47862	No
20	GOM_TRA_1PNPDE20110426_014225_000000433102_00003_47862_8232.N1	26-APR-2011 01:42:25	Twilight	43.000	16	21Alp Sco	1.0200	3000.0	86	47862	No
21	GOM_TRA_1PNPDE20110426_014453_000000673102_00003_47862_8233.N1	26-APR-2011 01:44:53	Twilight	67.000	80	7Del Sco	2.3160	30000.	134	47862	No
22	GOM_TRA_1PNPDE20110426_014818_000000473102_00003_47862_8234.N1	26-APR-2011 01:48:18	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	47862	No
23	GOM_TRA_1PNPDE20110426_015046_000000533102_00003_47862_8235.N1	26-APR-2011 01:50:46	Bright	53.000	104	27Bet Lib	2.6140	13100.	106	47862	No
24	GOM_TRA_1PNPDE20110426_015919_000000593102_00003_47862_8236.N1	26-APR-2011 01:59:19	Bright	59.000	111	8Eta Boo	2.6800	6000.0	118	47862	No
25	GOM_TRA_1PNPDE20110426_020323_000000503102_00003_47862_8237.N1	26-APR-2011 02:03:23	Bright	50.000	83		2.3780	11000.	100	47862	No
26	GOM_TRA_1PNPDE20110426_020618_000000433102_00003_47862_8238.N1	26-APR-2011 02:06:18	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	47862	No
27	GOM_TRA_1PNPDE20110426_020817_000000383102_00003_47862_8239.N1	26-APR-2011 02:08:17	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47862	No
28	GOM_TRA_1PNPDE20110426_021541_000000403102_00003_47862_8240.N1	26-APR-2011 02:15:41	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	47862	No
29	GOM_TRA_1PNPDE20110426_022551_000000413102_00003_47862_8241.N1	26-APR-2011 02:25:51	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47862	No
30	GOM_TRA_1PNPDE20110426_023103_000000563102_00003_47862_8242.N1	26-APR-2011 02:31:03	Bright	56.000	19	50Alp Cyg	1.2460	10500.	112	47862	No



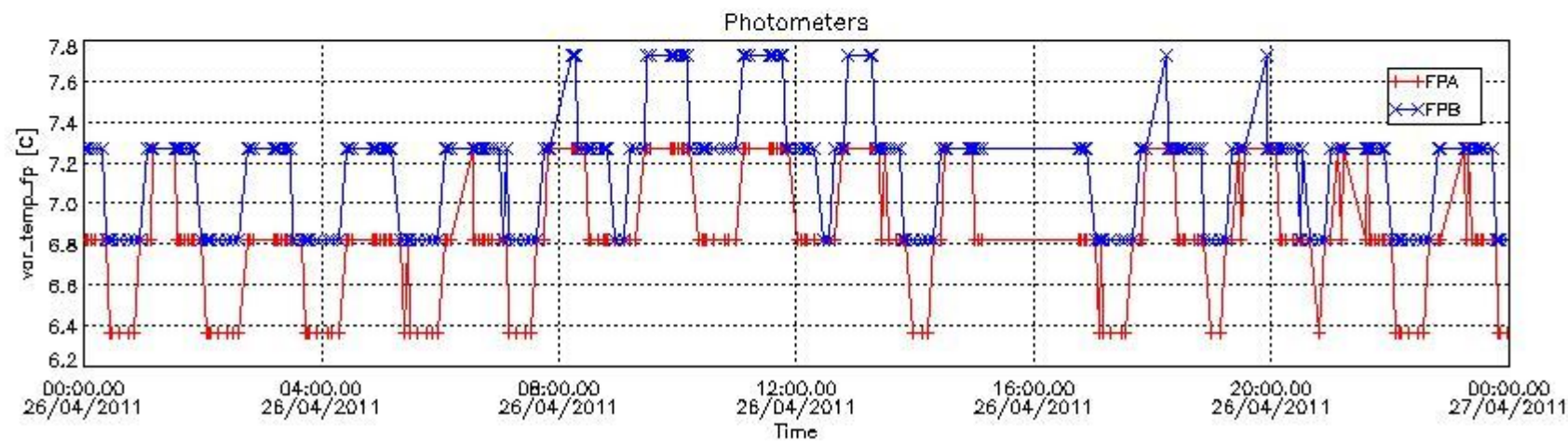
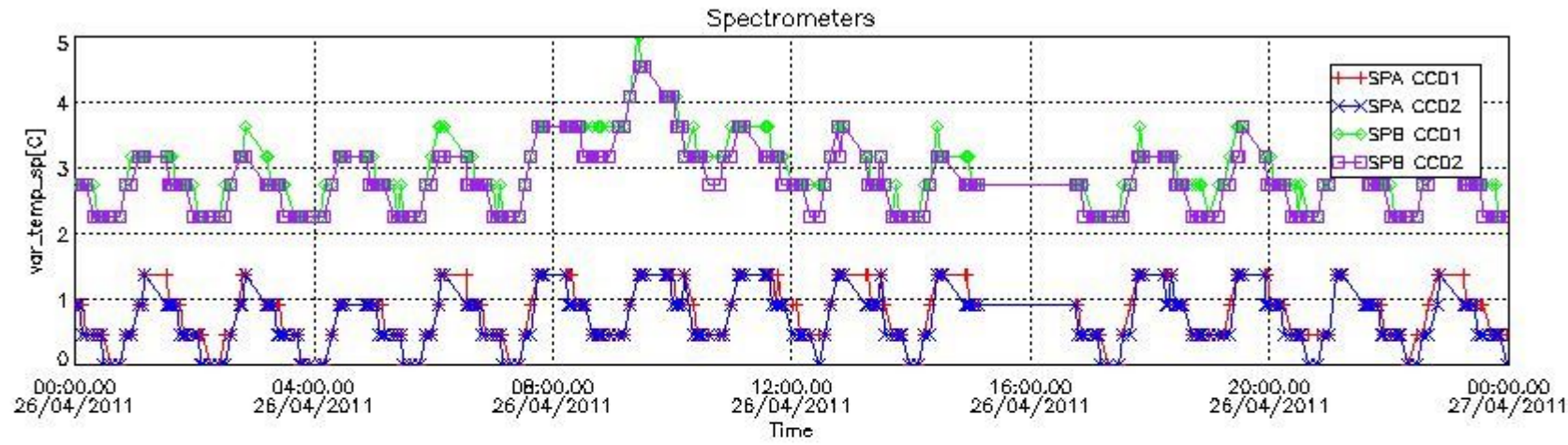




149	GOM_TRA_1PNPDK20110426_131336_000000543102_00010_47869_9098.N1	26-APR-2011 13:13:36	Straylight	53.500	141	Bet Ara	2.8400	4600.0	107	47869	No
150	GOM_TRA_1PNPDK20110426_131511_000000603102_00010_47869_9099.N1	26-APR-2011 13:15:11	Straylight	59.500	40	The Sco	1.8590	7100.0	119	47869	No
151	GOM_TRA_1PNPDK20110426_131650_000000683102_00010_47869_9100.N1	26-APR-2011 13:16:50	Straylight	67.500	25	35Lam Sco	1.6200	28000.	135	47869	No
152	GOM_TRA_1PNPDK20110426_132011_000000653102_00010_47869_9101.N1	26-APR-2011 13:20:11	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	47869	No
153	GOM_TRA_1PNPDK20110426_132407_000000543102_00010_47869_9102.N1	26-APR-2011 13:24:07	Twl_and_stray	54.000	16	21Alp Sco	1.0200	3000.0	108	47869	No
154	GOM_TRA_1PNPDK20110426_132634_000000623102_00010_47869_9103.N1	26-APR-2011 13:26:34	Twl_and_stray	62.000	80	7Del Sco	2.3160	30000.	124	47869	No
155	GOM_TRA_1PNPDK20110426_132957_000000473102_00010_47869_9071.N1	26-APR-2011 13:29:57	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	47869	Yes
156	GOM_TRA_1PNPDK20110426_133224_000000533102_00010_47869_9072.N1	26-APR-2011 13:32:24	Bright	53.000	104	27Bet Lib	2.6140	13100.	106	47869	No
157	GOM_TRA_1PNPDK20110426_134055_000000403102_00010_47869_9073.N1	26-APR-2011 13:40:55	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	47869	No
158	GOM_TRA_1PNPDK20110426_134456_000000503102_00010_47869_9074.N1	26-APR-2011 13:44:56	Bright	49.500	83		2.3780	11000.	99	47869	No
159	GOM_TRA_1PNPDK20110426_134752_000000443102_00010_47869_9075.N1	26-APR-2011 13:47:52	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	47869	No
160	GOM_TRA_1PNPDK20110426_134953_000000393102_00010_47869_9076.N1	26-APR-2011 13:49:53	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47869	No
161	GOM_TRA_1PNPDK20110426_135717_000000403102_00010_47869_9077.N1	26-APR-2011 13:57:17	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47869	No
162	GOM_TRA_1PNPDK20110426_140728_000000403102_00010_47869_9078.N1	26-APR-2011 14:07:28	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47869	No
163	GOM_TRA_1PNPDK20110426_141239_000000583102_00010_47869_9079.N1	26-APR-2011 14:12:39	Bright	58.000	19	50Alp Cyg	1.2460	10500.	116	47869	No
164	GOM_TRA_1PNPDK20110426_141821_000000423102_00010_47869_9080.N1	26-APR-2011 14:18:21	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	47869	No
165	GOM_TRA_1PNPDK20110426_142629_000000613102_00010_47869_9081.N1	26-APR-2011 14:26:29	Dark	60.500	61	8Eps Peg	2.1000	3900.0	121	47869	No
166	GOM_TRA_1PNPDK20110426_142856_000000503102_00010_47869_9082.N1	26-APR-2011 14:28:56	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47869	No
167	GOM_TRA_1PNPDK20110426_143216_000000563102_00010_47869_9083.N1	26-APR-2011 14:32:16	Dark	55.500	154	22Bet Aqr	2.8990	5700.0	111	47869	No
168	GOM_TRA_1PNPDK20110426_145351_000000463102_00011_47870_9084.N1	26-APR-2011 14:53:51	Straylight	46.000	141	Bet Ara	2.8400	4600.0	92	47870	No
169	GOM_TRA_1PNPDK20110426_145526_000000523102_00011_47870_9085.N1	26-APR-2011 14:55:26	Straylight	52.000	40	The Sco	1.8590	7100.0	104	47870	No
170	GOM_TRA_1PNPDK20110426_145705_000000643102_00011_47870_9086.N1	26-APR-2011 14:57:05	Straylight	63.500	25	35Lam Sco	1.6200	28000.	127	47870	No
171	GOM_TRA_1PNPDK20110426_150026_000000653102_00011_47870_9087.N1	26-APR-2011 15:00:26	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	47870	No
172	GOM_TRA_1PNPDK20110426_150422_000000583102_00011_47870_9088.N1	26-APR-2011 15:04:22	Twl_and_stray	58.000	16	21Alp Sco	1.0200	3000.0	116	47870	No
173	GOM_TRA_1PNPDK20110426_150648_000000543102_00011_47870_9089.N1	26-APR-2011 15:06:48	Twl_and_stray	53.500	80	7Del Sco	2.3160	30000.	107	47870	No
174	GOM_TRA_1PNPDK20110426_164436_000000583102_00012_47871_9132.N1	26-APR-2011 16:44:36	Twl_and_stray	58.000	16	21Alp Sco	1.0200	3000.0	116	47871	No
175	GOM_TRA_1PNPDK20110426_164703_000000693102_00012_47871_9133.N1	26-APR-2011 16:47:03	Twl_and_stray	68.500	80	7Del Sco	2.3160	30000.	137	47871	No
176	GOM_TRA_1PNPDK20110426_165025_000000483102_00012_47871_9134.N1	26-APR-2011 16:50:25	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	47871	No
177	GOM_TRA_1PNPDK20110426_165251_000000533102_00012_47871_9135.N1	26-APR-2011 16:52:51	Bright	52.500	104	27Bet Lib	2.6140	13100.	105	47871	No
178	GOM_TRA_1PNPDK20110426_170122_000000403102_00012_47871_9136.N1	26-APR-2011 17:01:22	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	47871	No
179	GOM_TRA_1PNPDK20110426_170523_000000483102_00012_47871_9137.N1	26-APR-2011 17:05:23	Bright	47.500	83		2.3780	11000.	95	47871	No
180	GOM_TRA_1PNPDK20110426_170819_000000433102_00012_47871_9138.N1	26-APR-2011 17:08:19	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	47871	No
181	GOM_TRA_1PNPDK20110426_171021_000000393102_00012_47871_9139.N1	26-APR-2011 17:10:21	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47871	No
182	GOM_TRA_1PNPDK20110426_171745_000000403102_00012_47871_9140.N1	26-APR-2011 17:17:45	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	47871	No
183	GOM_TRA_1PNPDK20110426_172755_000000423102_00012_47871_9141.N1	26-APR-2011 17:27:55	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47871	No
184	GOM_TRA_1PNPDK20110426_173306_000000553102_00012_47871_9142.N1	26-APR-2011 17:33:06	Bright	55.000	19	50Alp Cyg	1.2460	10500.	110	47871	No
185	GOM_TRA_1PNPDK20110426_173849_000000433102_00012_47871_9143.N1	26-APR-2011 17:38:49	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	47871	No
186	GOM_TRA_1PNPDK20110426_174658_000000603102_00012_47871_9144.N1	26-APR-2011 17:46:58	Dark	60.000	61	8Eps Peg	2.1000	3900.0	120	47871	No
187	GOM_TRA_1PNPDK20110426_174926_000000533102_00012_47871_9145.N1	26-APR-2011 17:49:26	Dark	52.500	162	34Alp Aqr	2.9440	5350.0	105	47871	No
188	GOM_TRA_1PNPDK20110426_175246_000000583102_00012_47871_9146.N1	26-APR-2011 17:52:46	Dark	58.000	154	22Bet Aqr	2.8990	5700.0	116	47871	No
189	GOM_TRA_1PNPDK20110426_181420_000000443102_00013_47872_9147.N1	26-APR-2011 18:14:20	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	47872	No
190	GOM_TRA_1PNPDK20110426_181556_000000513102_00013_47872_9148.N1	26-APR-2011 18:15:56	Straylight	50.500	40	The Sco	1.8590	7100.0	101	47872	No
191	GOM_TRA_1PNPDK20110426_181735_000000653102_00013_47872_9149.N1	26-APR-2011 18:17:35	Straylight	64.500	25	35Lam Sco	1.6200	28000.	129	47872	No
192	GOM_TRA_1PNPDK20110426_182055_000000653102_00013_47872_9169.N1	26-APR-2011 18:20:55	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	47872	Yes
193	GOM_TRA_1PNPDK20110426_182451_000000613102_00013_47872_9170.N1	26-APR-2011 18:24:51	Twl_and_stray	61.000	16	21Alp Sco	1.0200	3000.0	122	47872	No
194	GOM_TRA_1PNPDK20110426_182717_000000693102_00013_47872_9171.N1	26-APR-2011 18:27:17	Twl_and_stray	68.500	80	7Del Sco	2.3160	30000.	137	47872	No
195	GOM_TRA_1PNPDK20110426_183039_000000463102_00013_47872_9172.N1	26-APR-2011 18:30:39	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	47872	No
196	GOM_TRA_1PNPDK20110426_183305_000000533102_00013_47872_9173.N1	26-APR-2011 18:33:05	Bright	52.500	104	27Bet Lib	2.6140	13100.	105	47872	No
197	GOM_TRA_1PNPDK20110426_184136_000000403102_00013_47872_9174.N1	26-APR-2011 18:41:36	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	47872	No
198	GOM_TRA_1PNPDK20110426_184536_000000503102_00013_47872_9175.N1	26-APR-2011 18:45:36	Bright	49.500	83		2.3780	11000.	99	47872	No
199	GOM_TRA_1PNPDK20110426_184833_000000443102_00013_47872_9176.N1	26-APR-2011 18:48:33	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	47872	No
200	GOM_TRA_1PNPDK20110426_185034_000000393102_00013_47872_9177.N1	26-APR-2011 18:50:34	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47872	No
201	GOM_TRA_1PNPDK20110426_185759_000000403102_00013_47872_9178.N1	26-APR-2011 18:57:59	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47872	No
202	GOM_TRA_1PNPDK20110426_190809_000000433102_00013_47872_9179.N1	26-APR-2011 19:08:09	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47872	No
203	GOM_TRA_1PNPDK20110426_191320_000000573102_00013_47872_9180.N1	26-APR-2011 19:13:20	Bright	57.000	19	50Alp Cyg	1.2460	10500.	114	47872	No
204	GOM_TRA_1PNPDK20110426_191904_000000433102_00013_47872_9181.N1	26-APR-2011 19:19:04	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	47872	No
205	GOM_TRA_1PNPDK20110426_192713_000000593102_00013_47872_9182.N1	26-APR-2011 19:27:13	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	47872	No
206	GOM_TRA_1PNPDK20110426_192940_000000503102_00013_47872_9183.N1	26-APR-2011 19:29:40	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	47872	No
207	GOM_TRA_1PNPDK20110426_193301_000000583102_00013_47872_9184.N1	26-APR-2011 19:33:01	Dark	58.000	154	22Bet Aqr	2.8990	5700.0	116	47872	No

208	GOM_TRA_1PNPDK20110426_195435_000000433102_00014_47873_9185.N1	26-APR-2011 19:54:35	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	47873	No
209	GOM_TRA_1PNPDK20110426_195611_000000543102_00014_47873_9186.N1	26-APR-2011 19:56:11	Straylight	53.500	40	The Sco	1.8590	7100.0	107	47873	No
210	GOM_TRA_1PNPDK20110426_195751_000000613102_00014_47873_9187.N1	26-APR-2011 19:57:51	Straylight	61.000	25	35Lam Sco	1.6200	28000.	122	47873	No
211	GOM_TRA_1PNPDE20110426_200110_000000663102_00014_47873_8367.N1	26-APR-2011 20:01:10	Straylight	66.000	75	26Eps Sco	2.2910	4250.0	132	47873	No
212	GOM_TRA_1PNPDE20110426_200505_000000613102_00014_47873_8368.N1	26-APR-2011 20:05:05	Tw_i_and_stray	61.000	16	21Alp Sco	1.0200	3000.0	122	47873	No
213	GOM_TRA_1PNPDE20110426_200731_000000703102_00014_47873_8369.N1	26-APR-2011 20:07:31	Tw_i_and_stray	69.500	80	7Del Sco	2.3160	30000.	139	47873	No
214	GOM_TRA_1PNPDE20110426_201053_000000473102_00014_47873_8370.N1	26-APR-2011 20:10:53	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	47873	No
215	GOM_TRA_1PNPDE20110426_201319_000000493102_00014_47873_8371.N1	26-APR-2011 20:13:19	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	47873	No
216	GOM_TRA_1PNPDE20110426_202150_000000413102_00014_47873_8372.N1	26-APR-2011 20:21:50	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	47873	No
217	GOM_TRA_1PNPDE20110426_202550_000000463102_00014_47873_8373.N1	26-APR-2011 20:25:50	Bright	46.000	83		2.3780	11000.	92	47873	No
218	GOM_TRA_1PNPDE20110426_202846_000000423102_00014_47873_8374.N1	26-APR-2011 20:28:46	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	47873	No
219	GOM_TRA_1PNPDE20110426_203048_000000403102_00014_47873_8375.N1	26-APR-2011 20:30:48	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	47873	No
220	GOM_TRA_1PNPDE20110426_203812_000000423102_00014_47873_8376.N1	26-APR-2011 20:38:12	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	47873	No
221	GOM_TRA_1PNPDE20110426_204822_000000393102_00014_47873_8377.N1	26-APR-2011 20:48:22	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47873	No
222	GOM_TRA_1PNPDE20110426_205334_000000573102_00014_47873_8378.N1	26-APR-2011 20:53:34	Bright	56.500	19	50Alp Cyg	1.2460	10500.	113	47873	No
223	GOM_TRA_1PNPDE20110426_205918_000000503102_00014_47873_8379.N1	26-APR-2011 20:59:18	Bright	50.000	164	44Eta Peg	2.9480	5400.0	100	47873	No
224	GOM_TRA_1PNPDE20110426_210727_000000623102_00014_47873_8391.N1	26-APR-2011 21:07:27	Dark	61.500	61	8Eps Peg	2.1000	3900.0	123	47873	No
225	GOM_TRA_1PNPDE20110426_210955_000000503102_00014_47873_8392.N1	26-APR-2011 21:09:55	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	47873	No
226	GOM_TRA_1PNPDE20110426_211316_000000543102_00014_47873_8393.N1	26-APR-2011 21:13:16	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	47873	No
227	GOM_TRA_1PNPDE20110426_213450_000000443102_00015_47874_8394.N1	26-APR-2011 21:34:50	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	47874	No
228	GOM_TRA_1PNPDE20110426_213626_000000603102_00015_47874_8395.N1	26-APR-2011 21:36:26	Straylight	60.000	40	The Sco	1.8590	7100.0	120	47874	No
229	GOM_TRA_1PNPDE20110426_213805_000000583102_00015_47874_8396.N1	26-APR-2011 21:38:05	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	47874	No
230	GOM_TRA_1PNPDE20110426_214125_000000643102_00015_47874_8397.N1	26-APR-2011 21:41:25	Straylight	63.500	75	26Eps Sco	2.2910	4250.0	127	47874	No
231	GOM_TRA_1PNPDE20110426_214520_000000653102_00015_47874_8398.N1	26-APR-2011 21:45:20	Tw_i_and_stray	65.000	16	21Alp Sco	1.0200	3000.0	130	47874	No
232	GOM_TRA_1PNPDE20110426_214746_000000643102_00015_47874_8399.N1	26-APR-2011 21:47:46	Tw_i_and_stray	64.000	80	7Del Sco	2.3160	30000.	128	47874	No
233	GOM_TRA_1PNPDE20110426_215107_000000513102_00015_47874_8400.N1	26-APR-2011 21:51:07	Bright	50.500	122	9Alp2Lib	2.7470	9700.0	101	47874	No
234	GOM_TRA_1PNPDE20110426_215333_000000523102_00015_47874_8401.N1	26-APR-2011 21:53:33	Bright	51.500	104	27Bet Lib	2.6140	13100.	103	47874	No
235	GOM_TRA_1PNPDE20110426_220204_000000403102_00015_47874_8402.N1	26-APR-2011 22:02:04	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	47874	No
236	GOM_TRA_1PNPDE20110426_220603_000000483102_00015_47874_8403.N1	26-APR-2011 22:06:03	Bright	48.000	83		2.3780	11000.	96	47874	No
237	GOM_TRA_1PNPDE20110426_220900_000000423102_00015_47874_8404.N1	26-APR-2011 22:09:00	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	47874	No
238	GOM_TRA_1PNPDE20110426_221102_000000383102_00015_47874_8405.N1	26-APR-2011 22:11:02	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	47874	No
239	GOM_TRA_1PNPDE20110426_221826_000000413102_00015_47874_8406.N1	26-APR-2011 22:18:26	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47874	No
240	GOM_TRA_1PNPDE20110426_222836_000000423102_00015_47874_8407.N1	26-APR-2011 22:28:36	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47874	No
241	GOM_TRA_1PNPDE20110426_223347_000000573102_00015_47874_8408.N1	26-APR-2011 22:33:47	Bright	57.000	19	50Alp Cyg	1.2460	10500.	114	47874	No
242	GOM_TRA_1PNPDE20110426_223932_000000413102_00015_47874_8409.N1	26-APR-2011 22:39:32	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	47874	No
243	GOM_TRA_1PNPDE20110426_224742_000000623102_00015_47874_8410.N1	26-APR-2011 22:47:42	Dark	62.000	61	8Eps Peg	2.1000	3900.0	124	47874	No
244	GOM_TRA_1PNPDE20110426_225010_000000503102_00015_47874_8411.N1	26-APR-2011 22:50:10	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47874	No
245	GOM_TRA_1PNPDE20110426_231504_000000433102_00016_47875_8414.N1	26-APR-2011 23:15:04	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	47875	No
246	GOM_TRA_1PNPDE20110426_231641_000000613102_00016_47875_8415.N1	26-APR-2011 23:16:41	Straylight	60.500	40	The Sco	1.8590	7100.0	121	47875	No
247	GOM_TRA_1PNPDE20110426_231820_000000633102_00016_47875_8416.N1	26-APR-2011 23:18:20	Straylight	63.000	25	35Lam Sco	1.6200	28000.	126	47875	No
248	GOM_TRA_1PNPDE20110426_232140_000000643102_00016_47875_8417.N1	26-APR-2011 23:21:40	Straylight	63.500	75	26Eps Sco	2.2910	4250.0	127	47875	No
249	GOM_TRA_1PNPDE20110426_232534_000000653102_00016_47875_8418.N1	26-APR-2011 23:25:34	Tw_i_and_stray	65.000	16	21Alp Sco	1.0200	3000.0	130	47875	No
250	GOM_TRA_1PNPDE20110426_232800_000000663102_00016_47875_8419.N1	26-APR-2011 23:28:00	Tw_i_and_stray	65.500	80	7Del Sco	2.3160	30000.	131	47875	No
251	GOM_TRA_1PNPDE20110426_233121_000000473102_00016_47875_8420.N1	26-APR-2011 23:31:21	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	47875	No
252	GOM_TRA_1PNPDE20110426_233347_000000523102_00016_47875_8421.N1	26-APR-2011 23:33:47	Bright	52.000	104	27Bet Lib	2.6140	13100.	104	47875	No
253	GOM_TRA_1PNPDE20110426_234217_000000403102_00016_47875_8422.N1	26-APR-2011 23:42:17	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	47875	No
254	GOM_TRA_1PNPDE20110426_234616_000000493102_00016_47875_8423.N1	26-APR-2011 23:46:16	Bright	48.500	83		2.3780	11000.	97	47875	No
255	GOM_TRA_1PNPDE20110426_234913_000000413102_00016_47875_8424.N1	26-APR-2011 23:49:13	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47875	No
256	GOM_TRA_1PNPDE20110426_235115_000000473102_00016_47875_8425.N1	26-APR-2011 23:51:15	Bright	46.500	39	85Eta UMa	1.8540	24000.	93	47875	No
257	GOM_TRA_1PNPDE20110426_235840_000000403102_00016_47875_8426.N1	26-APR-2011 23:58:40	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47875	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).

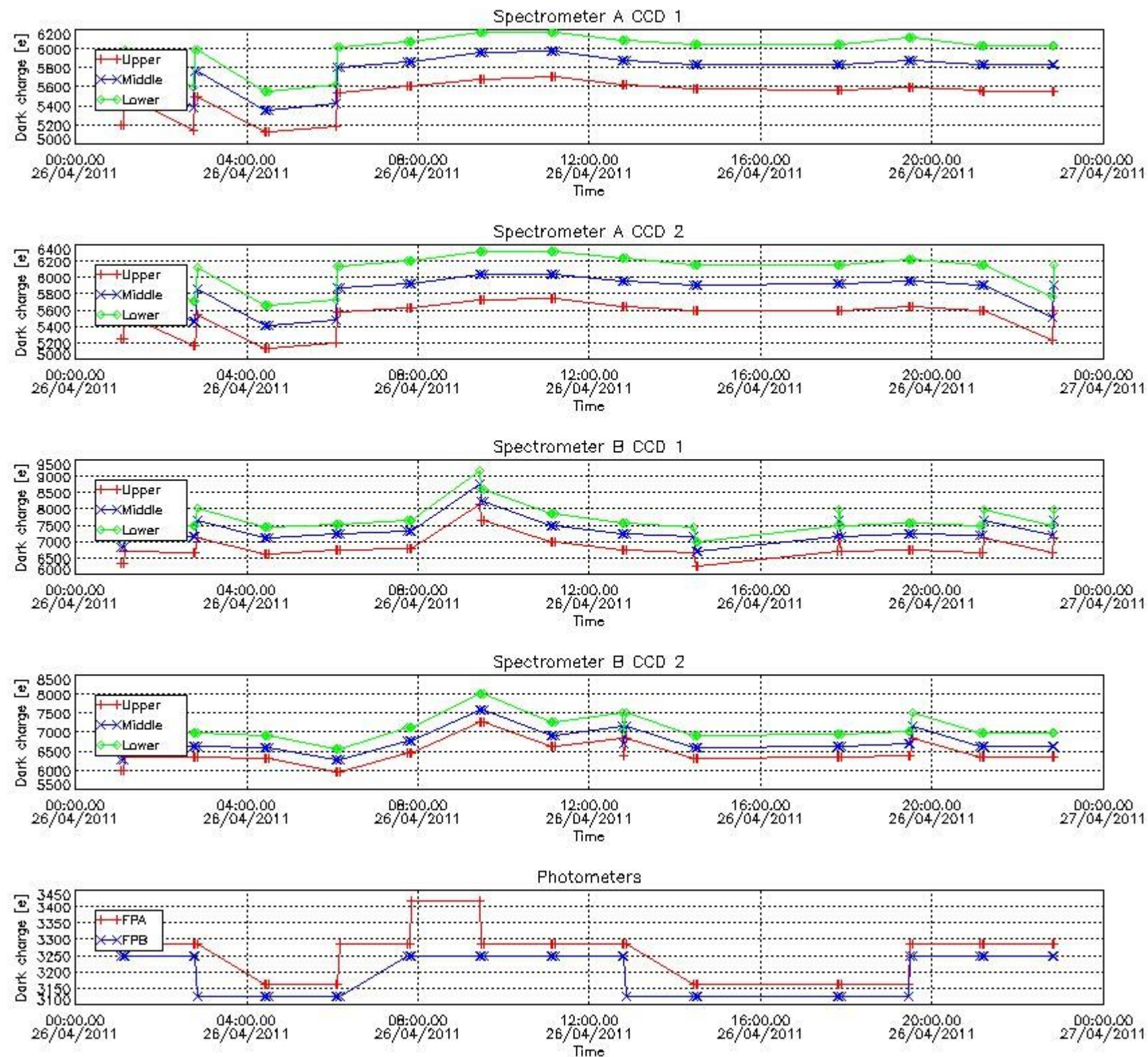
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110426_200110_000000663102_00014_47873_8367.N1	DC map used
GOM_TRA_1PNPDE20110426_200505_000000613102_00014_47873_8368.N1	DC map used
GOM_TRA_1PNPDE20110426_200731_000000703102_00014_47873_8369.N1	DC map used
GOM_TRA_1PNPDE20110426_201053_000000473102_00014_47873_8370.N1	DC map used
GOM_TRA_1PNPDE20110426_201319_000000493102_00014_47873_8371.N1	DC map used
GOM_TRA_1PNPDE20110426_202150_000000413102_00014_47873_8372.N1	DC map used
GOM_TRA_1PNPDE20110426_202550_000000463102_00014_47873_8373.N1	DC map used
GOM_TRA_1PNPDE20110426_202846_000000423102_00014_47873_8374.N1	DC map used
GOM_TRA_1PNPDE20110426_203048_000000403102_00014_47873_8375.N1	DC map used
GOM_TRA_1PNPDE20110426_203812_000000423102_00014_47873_8376.N1	DC map used
GOM_TRA_1PNPDE20110426_204822_000000393102_00014_47873_8377.N1	DC map used
GOM_TRA_1PNPDE20110426_205334_000000573102_00014_47873_8378.N1	DC map used
GOM_TRA_1PNPDE20110426_205918_000000503102_00014_47873_8379.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

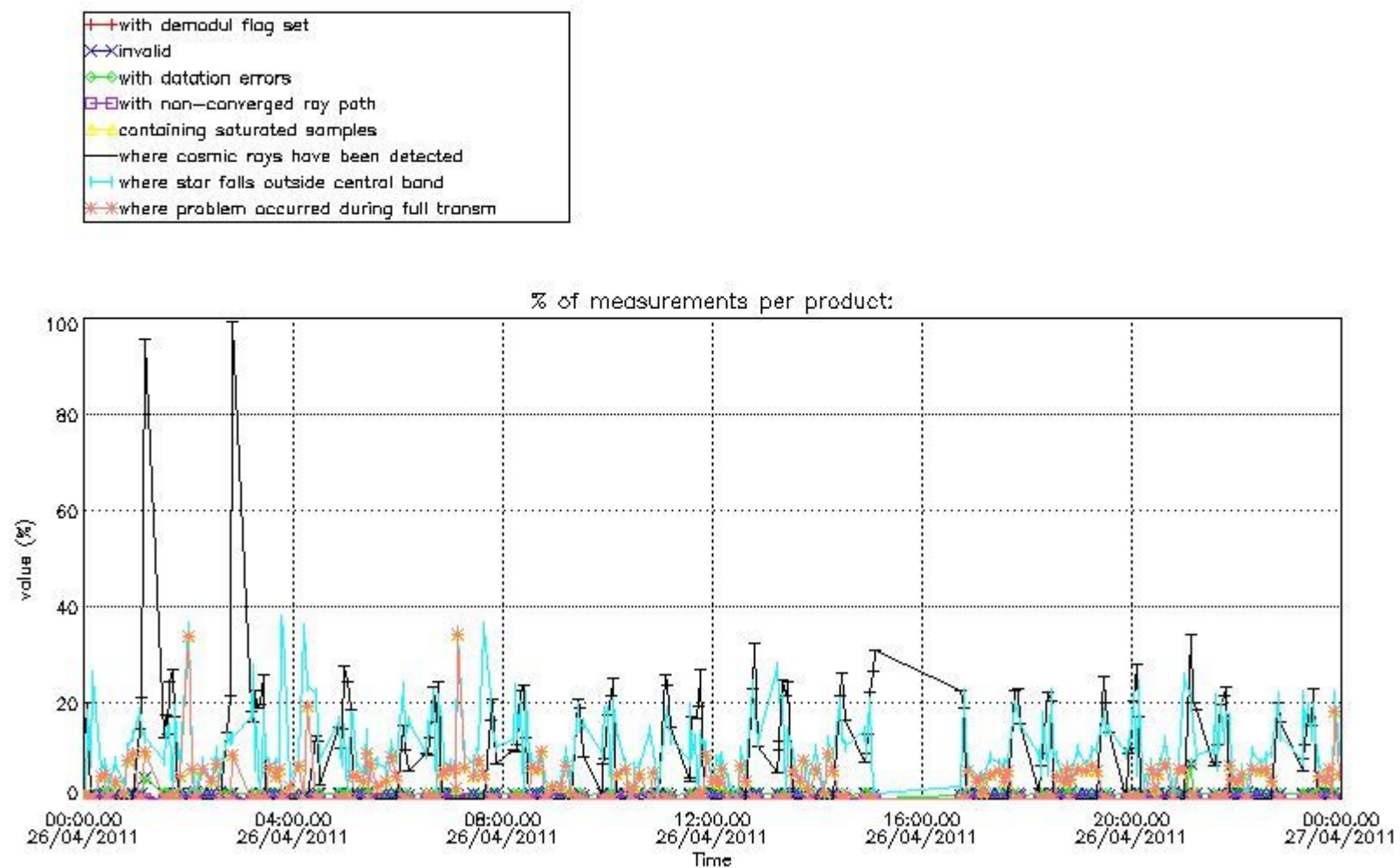
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.



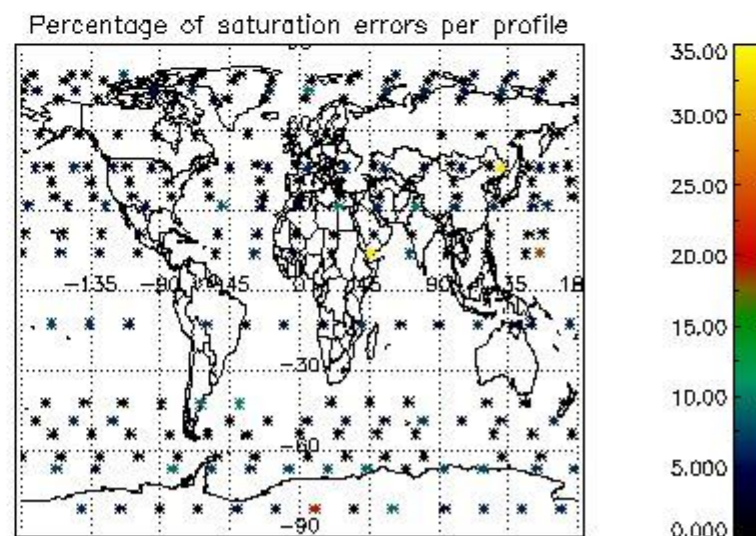
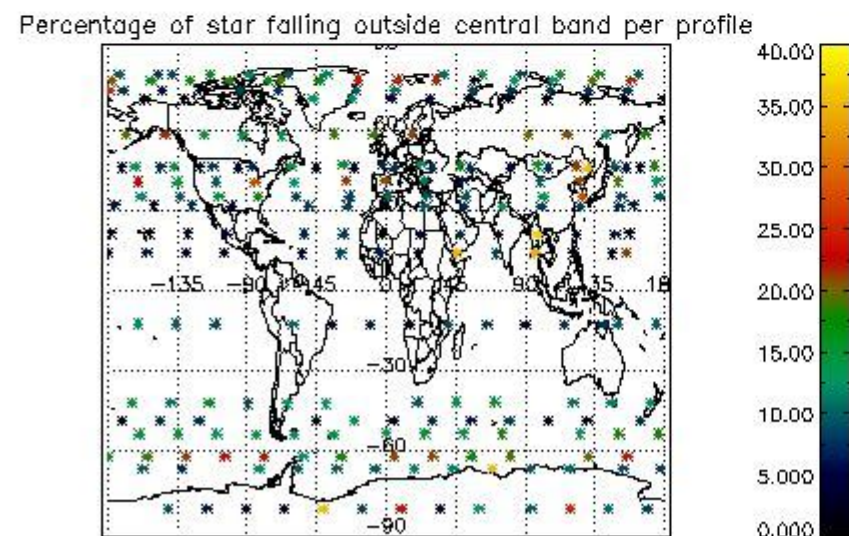
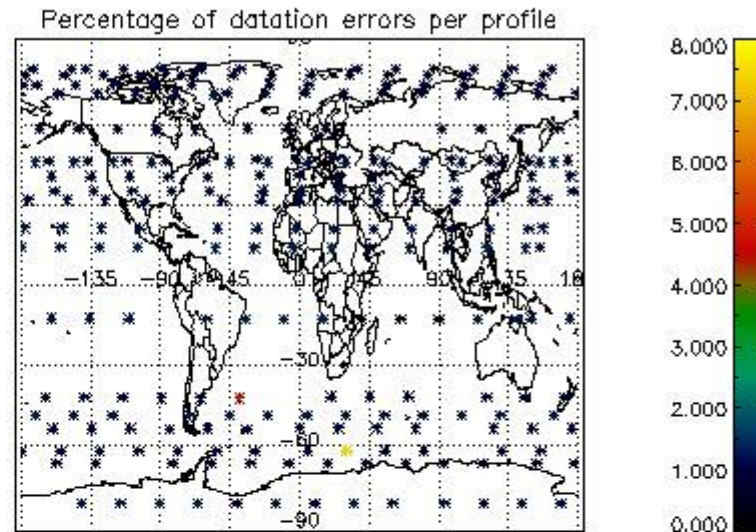
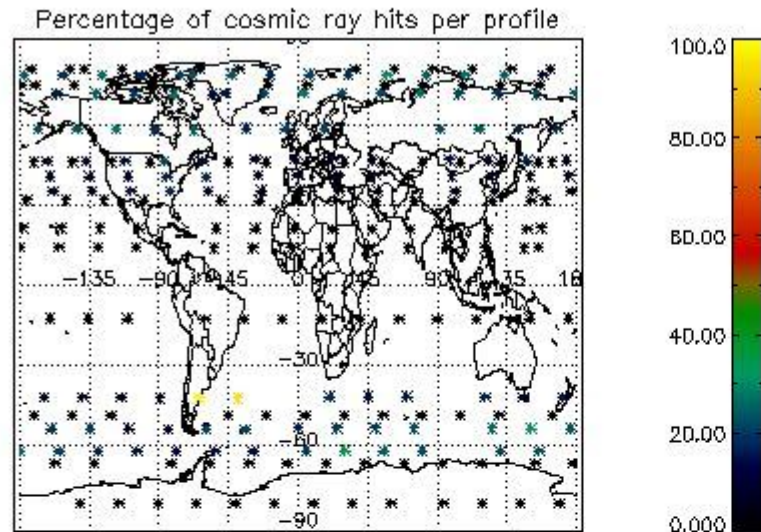
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	46.8504 %
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)



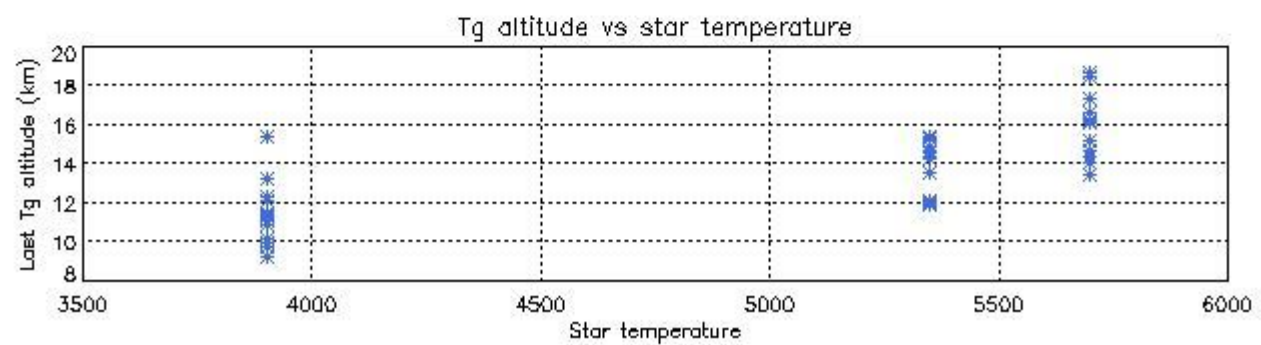
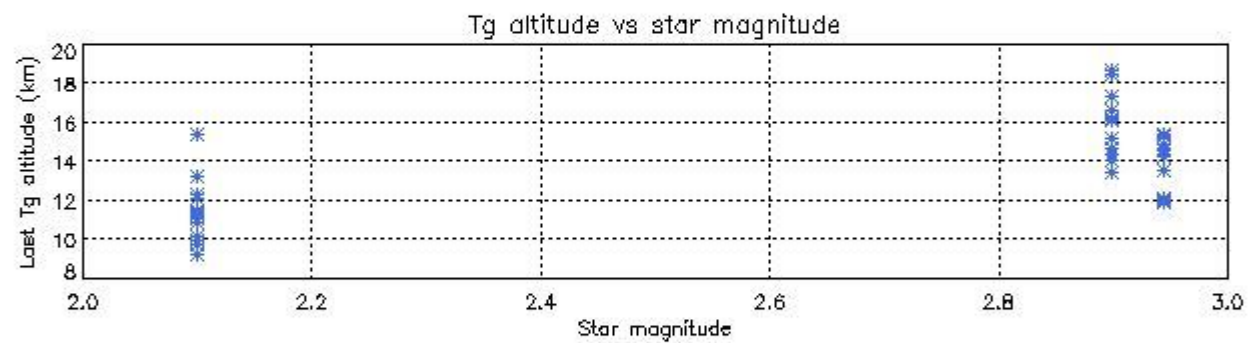
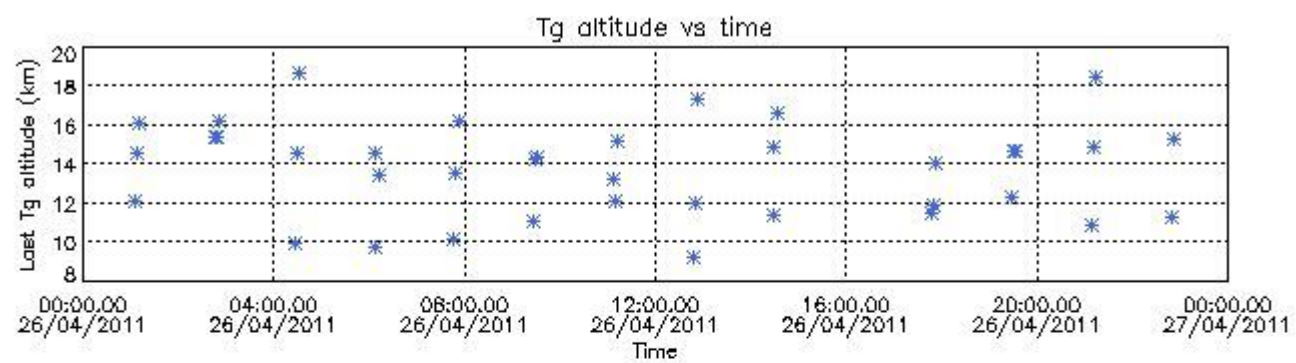
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.731	19.316	NaN
St. deviation:	2.3878	4.6276	NaN
Maximum:	18.620	27.930	NaN
Minimum:	9.2268	2.3677	NaN
Number of data:	38.000	135.00	NaN

### 6.2 Plot for DARK limb products

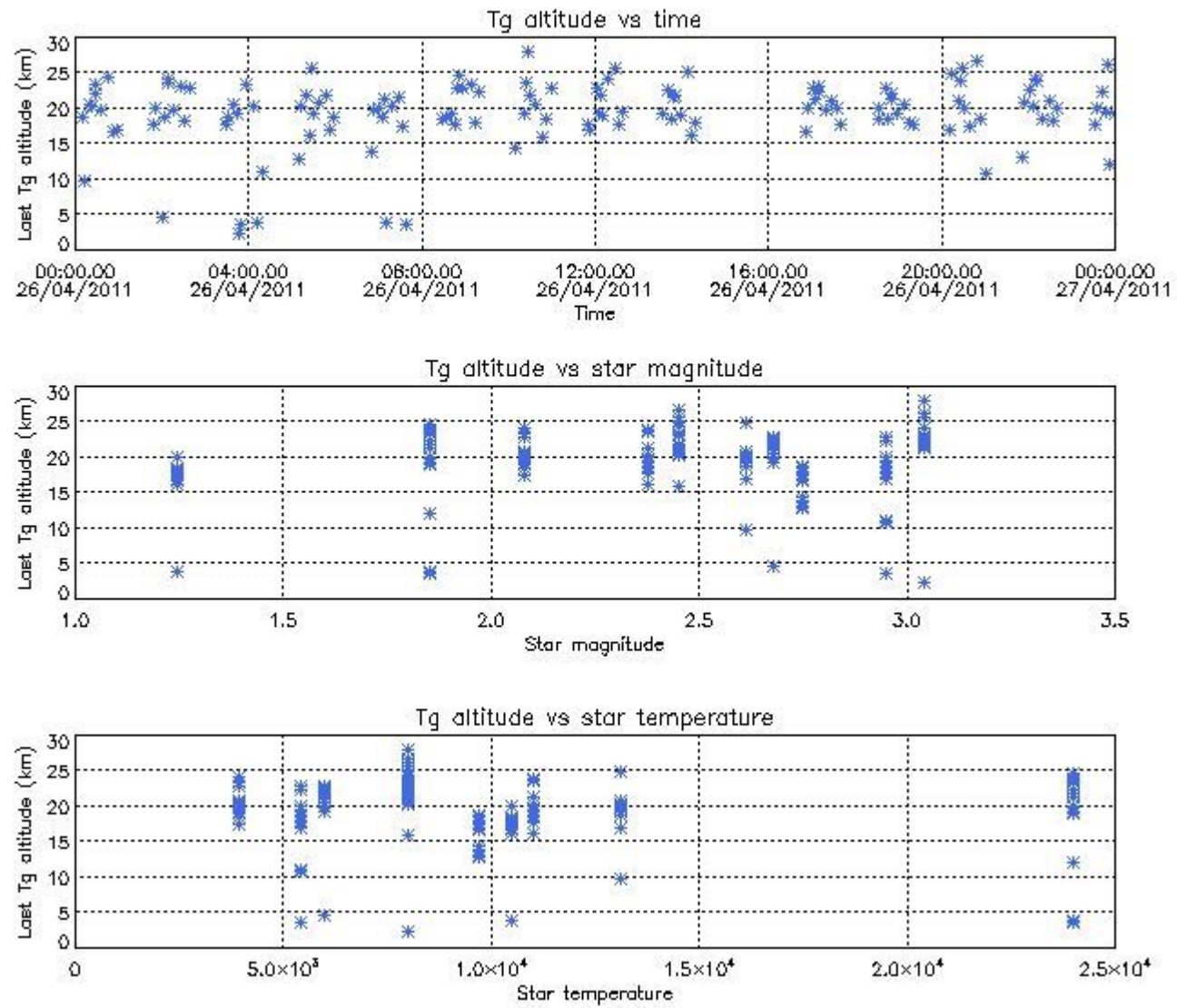
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



Tangent altitude at which the star is lost

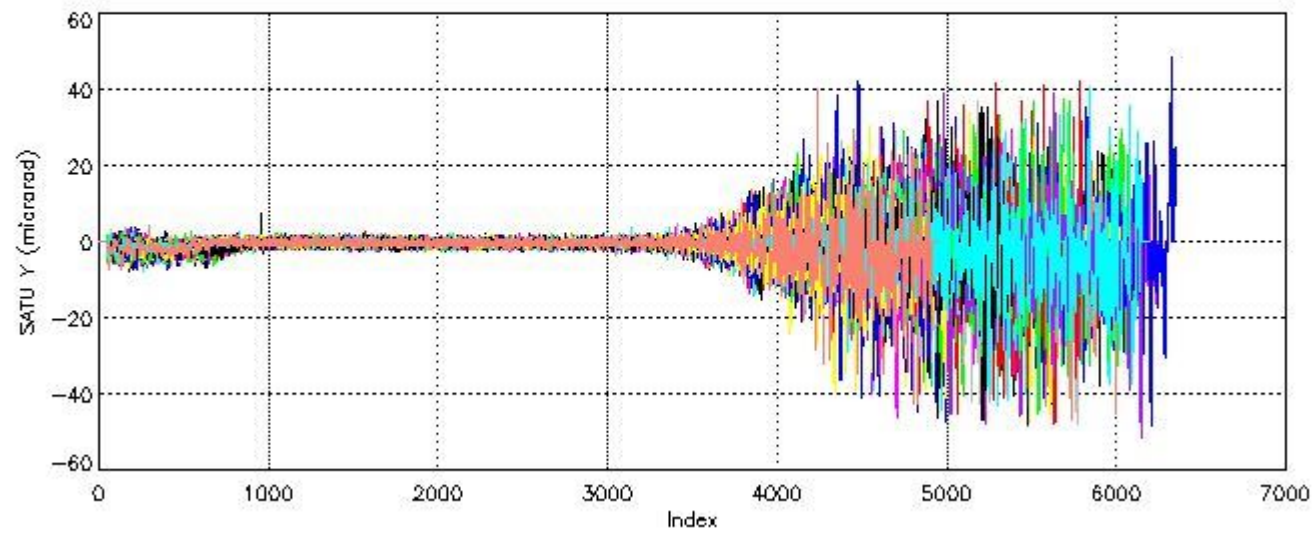
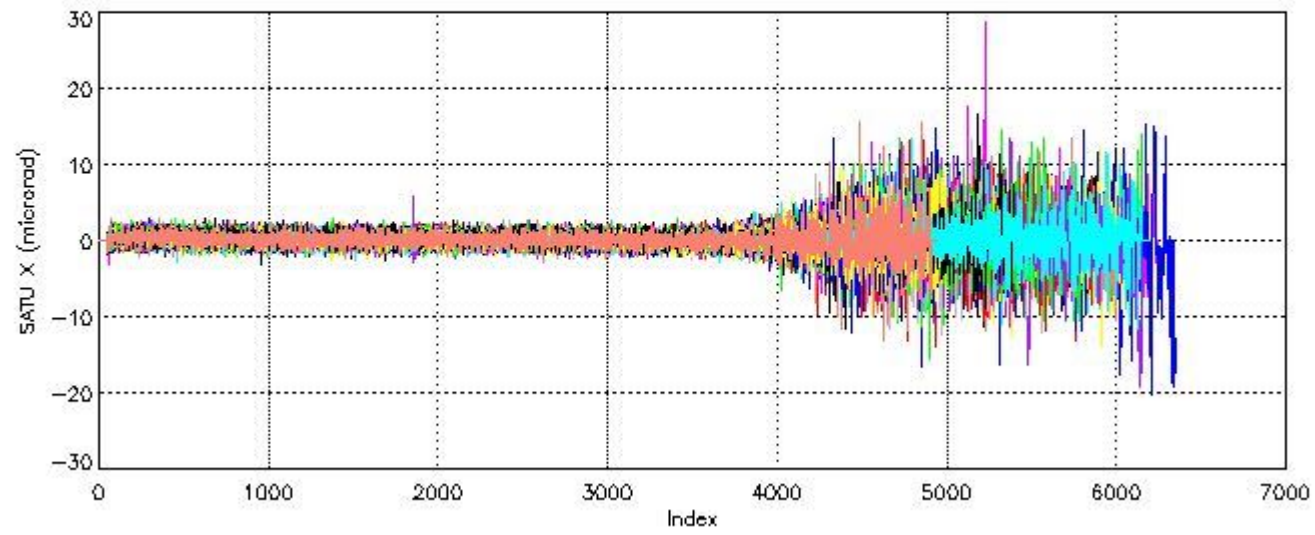


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.25661	-1.0754	0.26560	-1.4151
St. deviation:	0.55465	1.3297	0.83801	1.6724
Maximum:	3.0000	7.4000	6.3000	11.100
Minimum:	-3.2000	-8.0000	-6.9000	-9.4000

Number of data:	45150.	45150.	1.4280E+05	1.4280E+05
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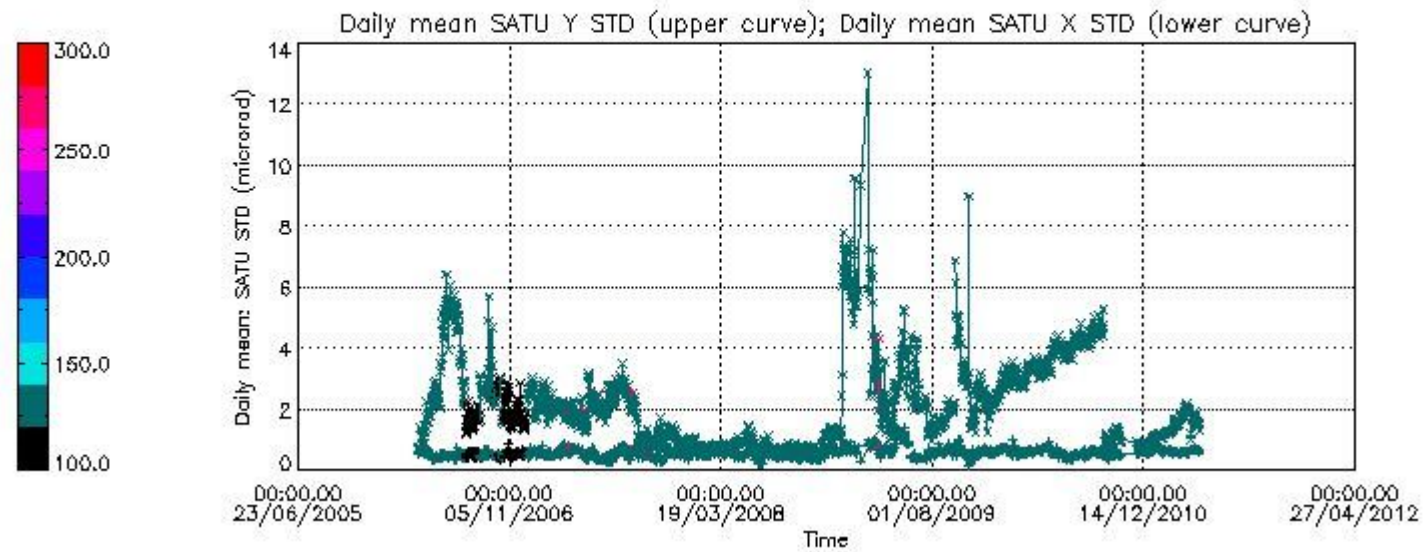
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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



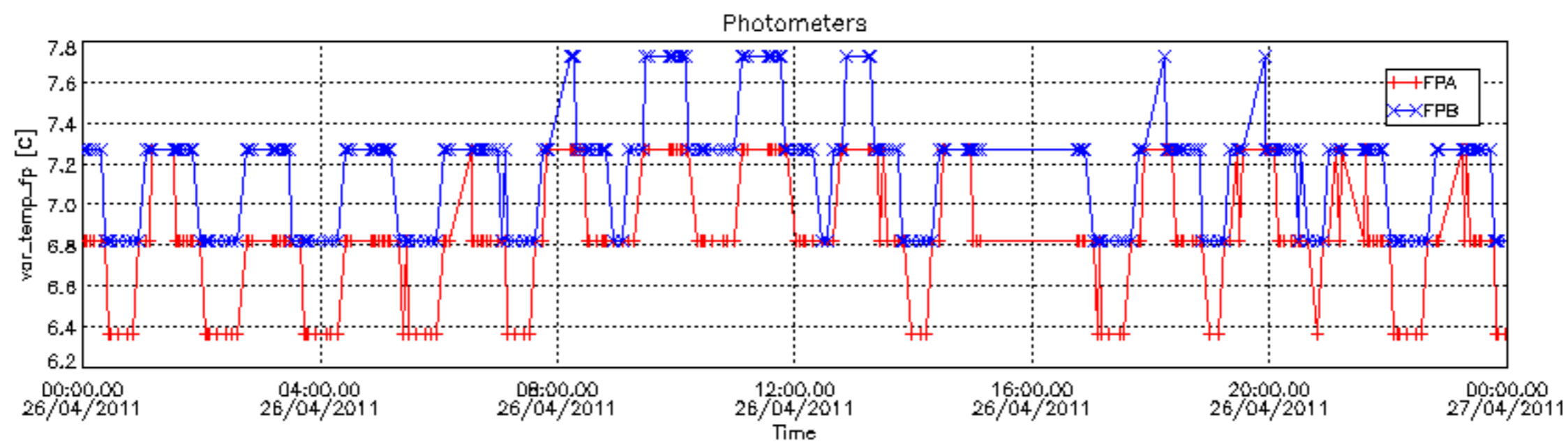
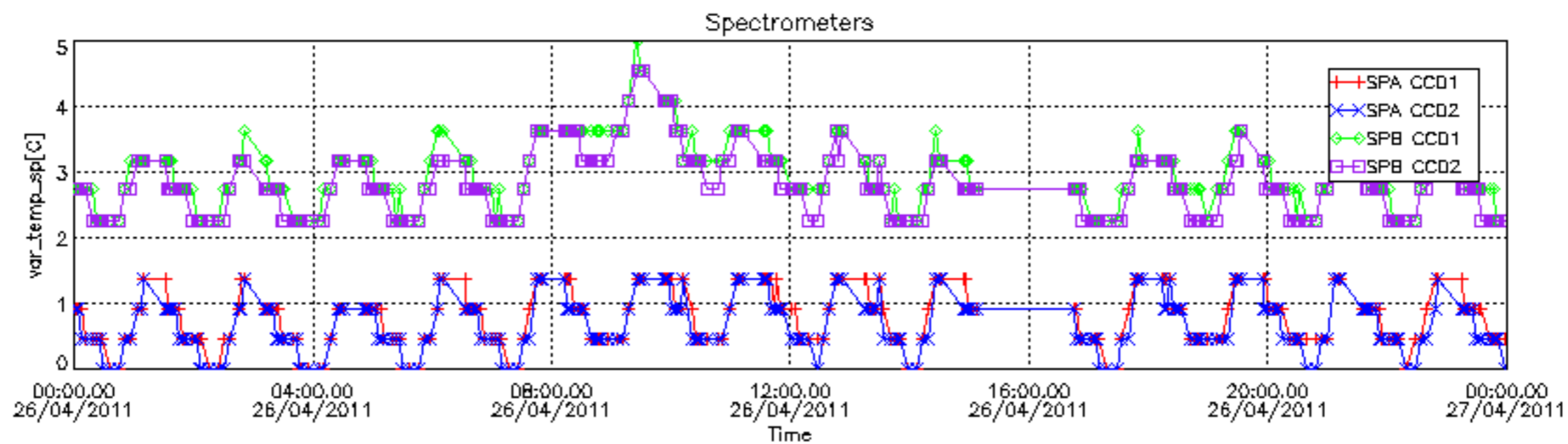
### 8. Auxiliary Data Files used for the production reported in section 2.4

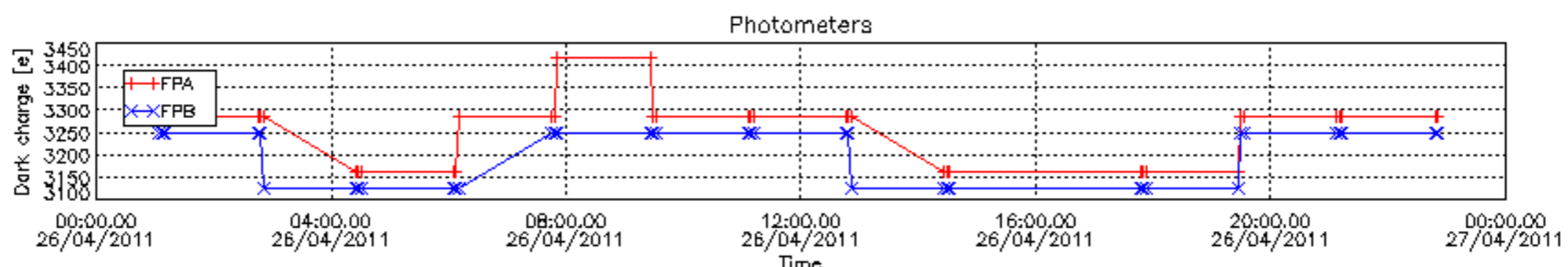
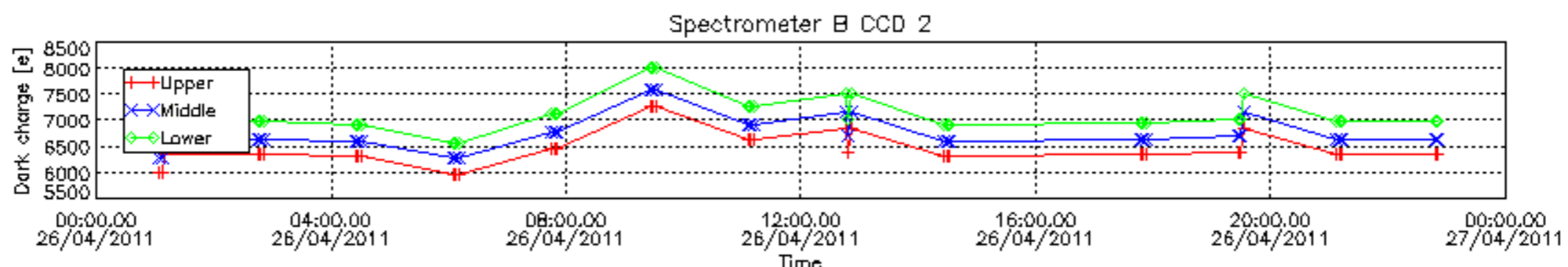
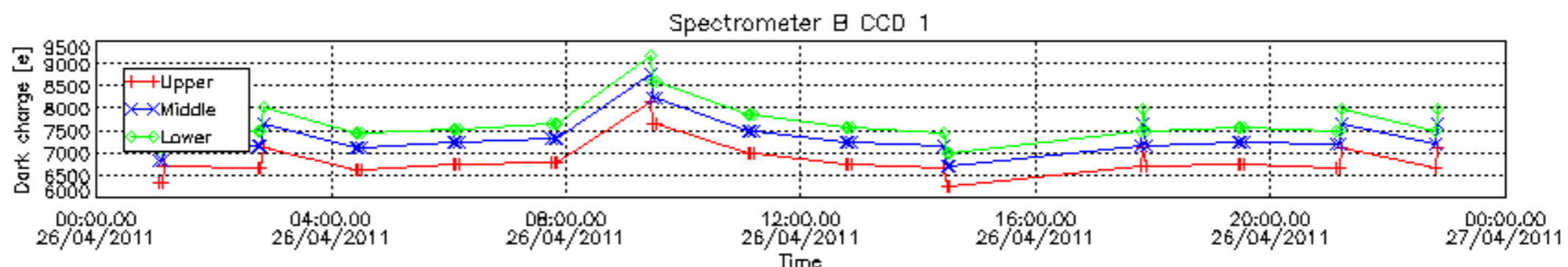
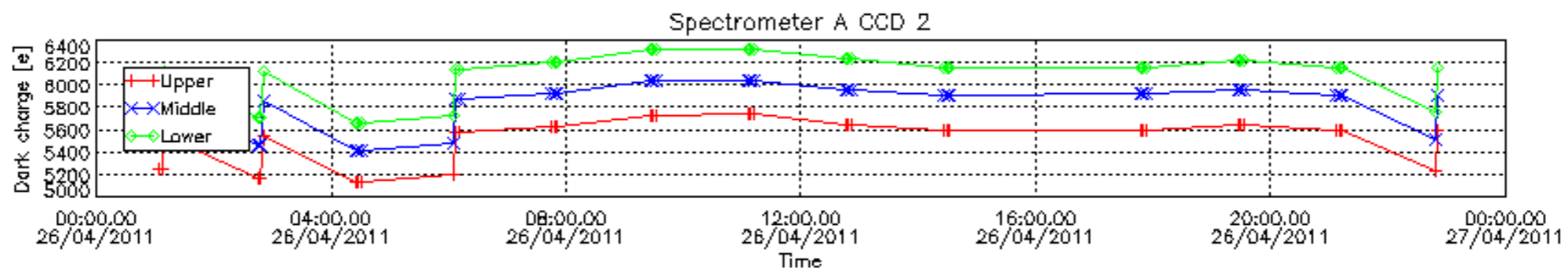
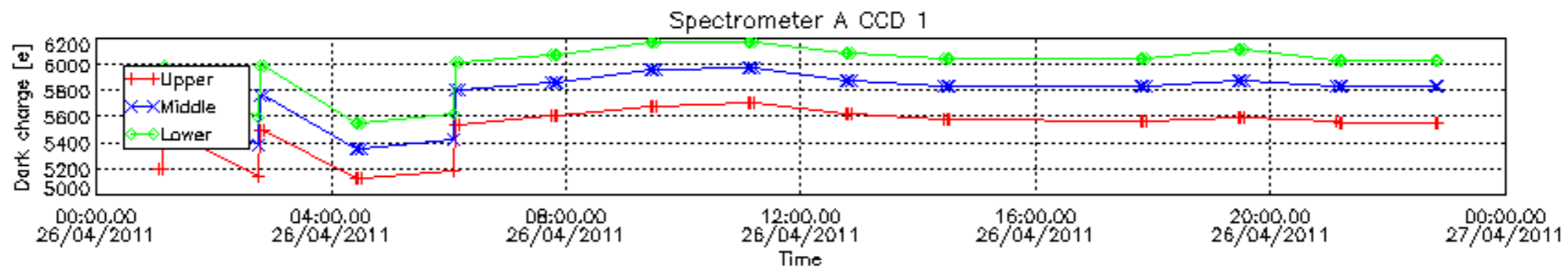
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	26-APR-2011 00:02:10
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110421_075944_20110419_000000_20500101_000000	1	26-APR-2011 00:02:10
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	26-APR-2011 00:02:10
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	26-APR-2011 00:02:10
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	26-APR-2011 00:02:10
ECMWF_FILE	AUX_ECF_AXNECM20110425_062115_20110425_210000_20110426_090000	1	26-APR-2011 00:02:10
ECMWF_FILE	AUX_ECF_AXNECM20110425_182725_20110426_030000_20110426_150000	48	26-APR-2011 04:06:05
ECMWF_FILE	AUX_ECA_AXNECM20110426_063400_20110425_210000_20110426_090000	67	26-APR-2011 05:46:19
ECMWF_FILE	AUX_ECF_AXNECM20110425_182725_20110426_030000_20110426_150000	99	26-APR-2011 08:31:42
ECMWF_FILE	AUX_ECA_AXNECM20110426_175400_20110426_090000_20110426_210000	118	26-APR-2011 10:11:56
ECMWF_FILE	AUX_ECF_AXNECM20110426_063400_20110426_090000_20110426_210000	137	26-APR-2011 11:52:10
ECMWF_FILE	AUX_ECA_AXNECM20110426_175400_20110426_090000_20110426_210000	174	26-APR-2011 16:44:36
ECMWF_FILE	AUX_ECF_AXNECM20110426_063401_20110426_150000_20110427_030000	211	26-APR-2011 20:01:10
ECMWF_FILE	AUX_ECF_AXNECM20110426_063401_20110426_210000_20110427_090000	224	26-APR-2011 21:07:27
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110426_035545_000060573102_00004_47863_2993.N1	48	26-APR-2011 04:06:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110426_054201_000057383102_00005_47864_2994.N1	67	26-APR-2011 05:46:19
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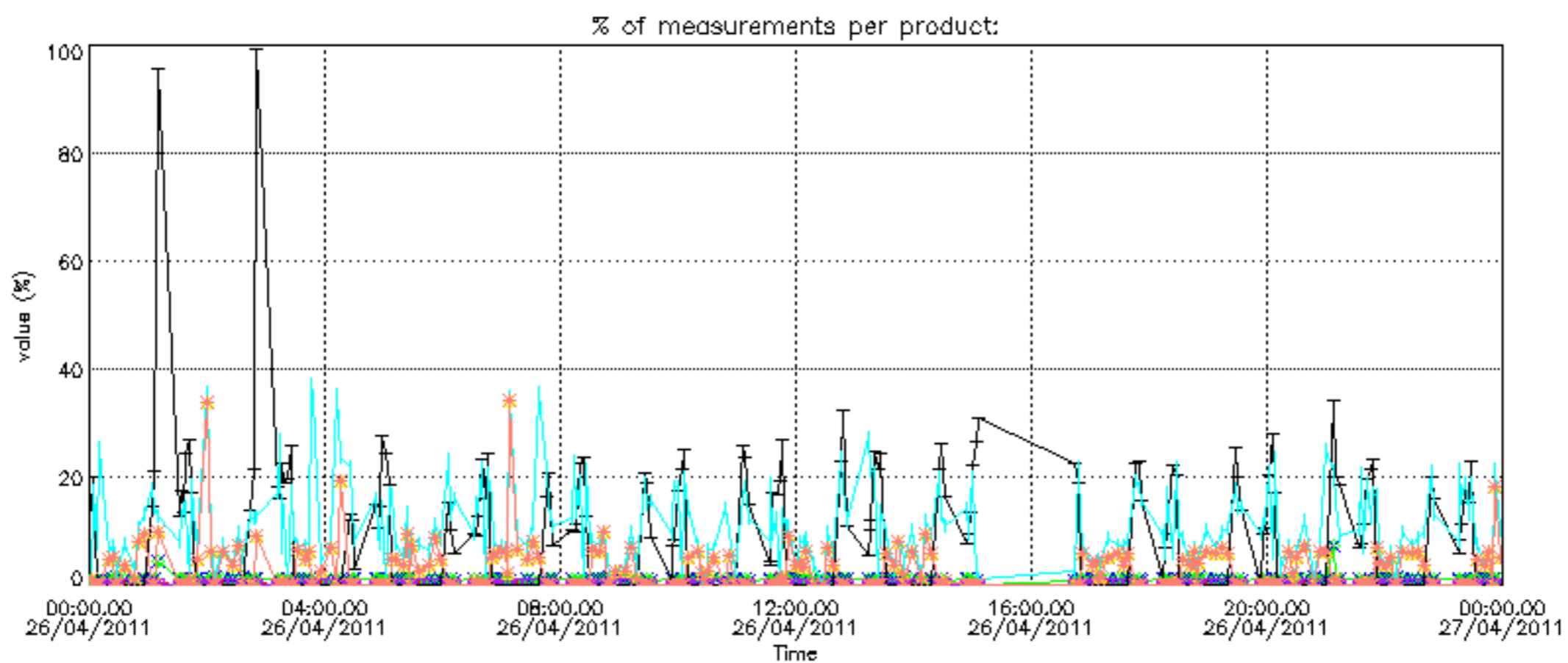


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ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110426_164052_000054193102_00012_47871_4414.N1	174	26-APR-2011 16:44:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110426_181630_000057383102_00013_47872_4415.N1	192	26-APR-2011 18:20:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110426_195727_000038263102_00014_47873_2995.N1	211	26-APR-2011 20:01:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110426_210631_000060573102_00014_47873_2996.N1	224	26-APR-2011 21:07:27
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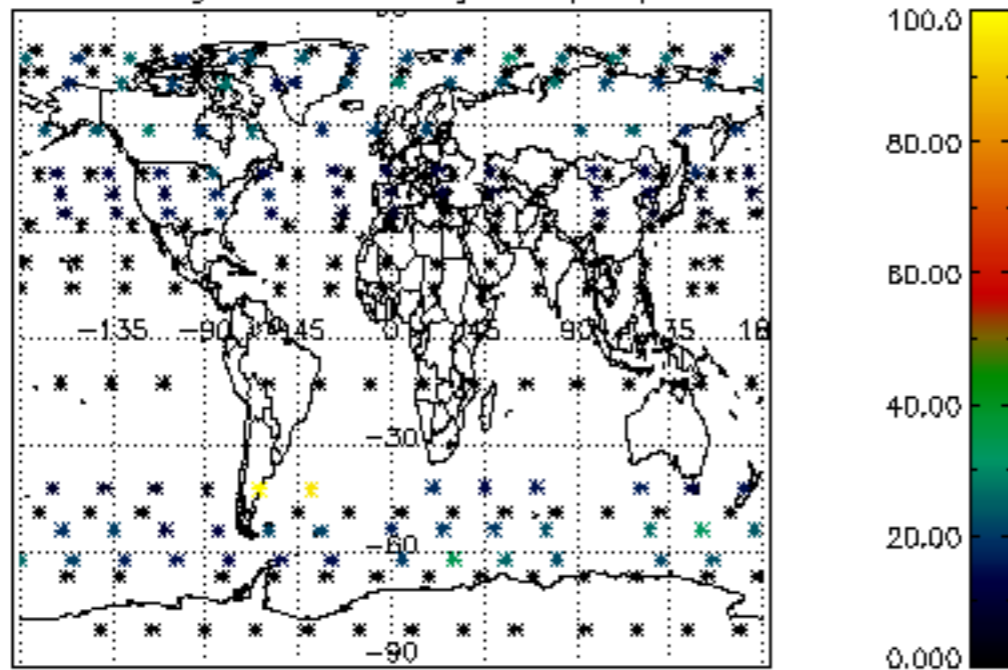




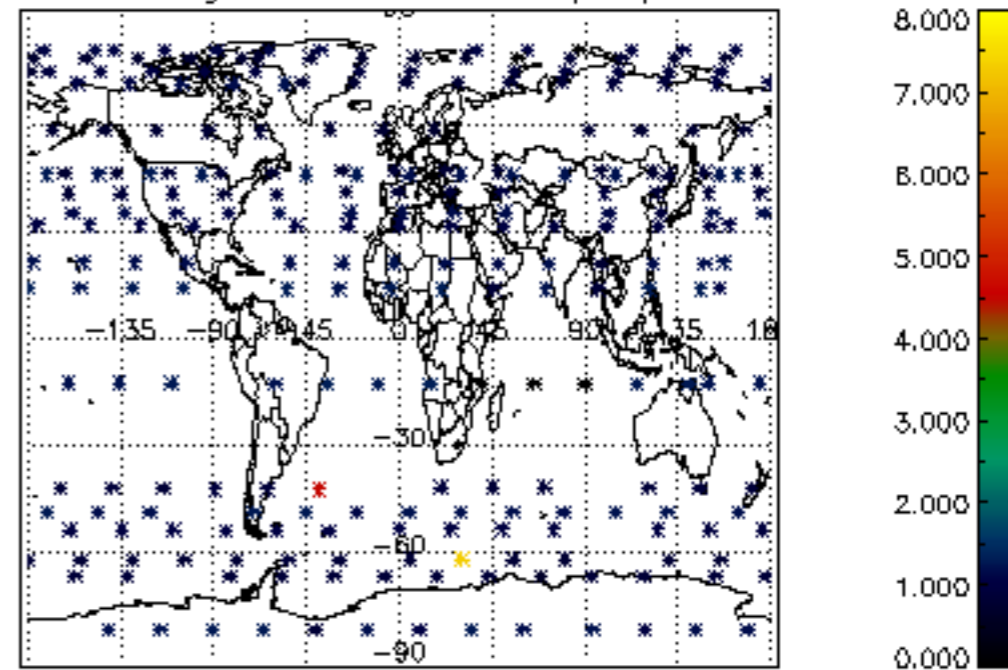




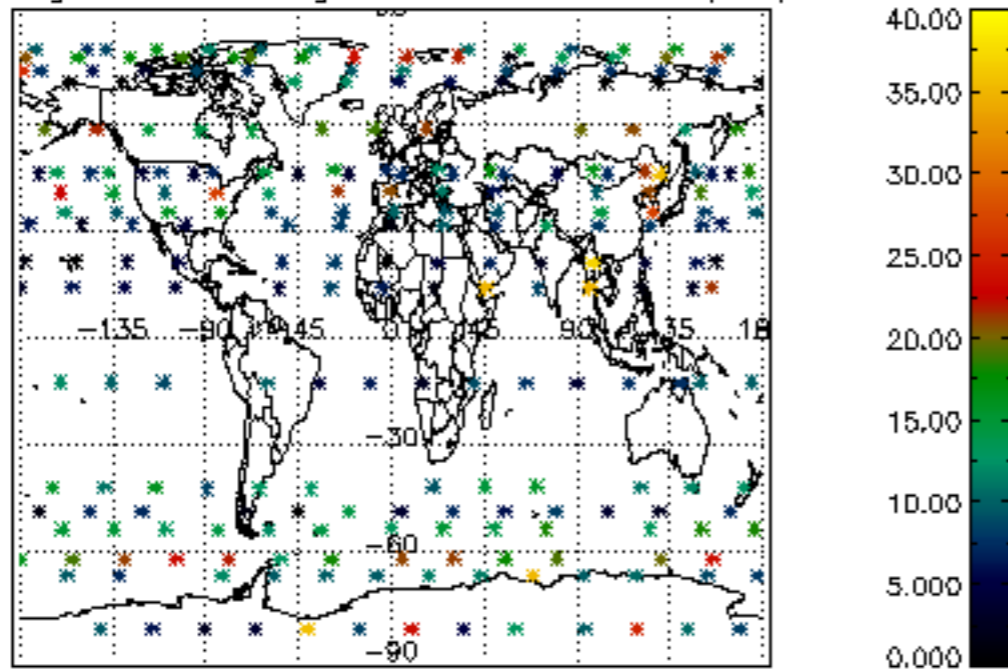
Percentage of cosmic ray hits per profile



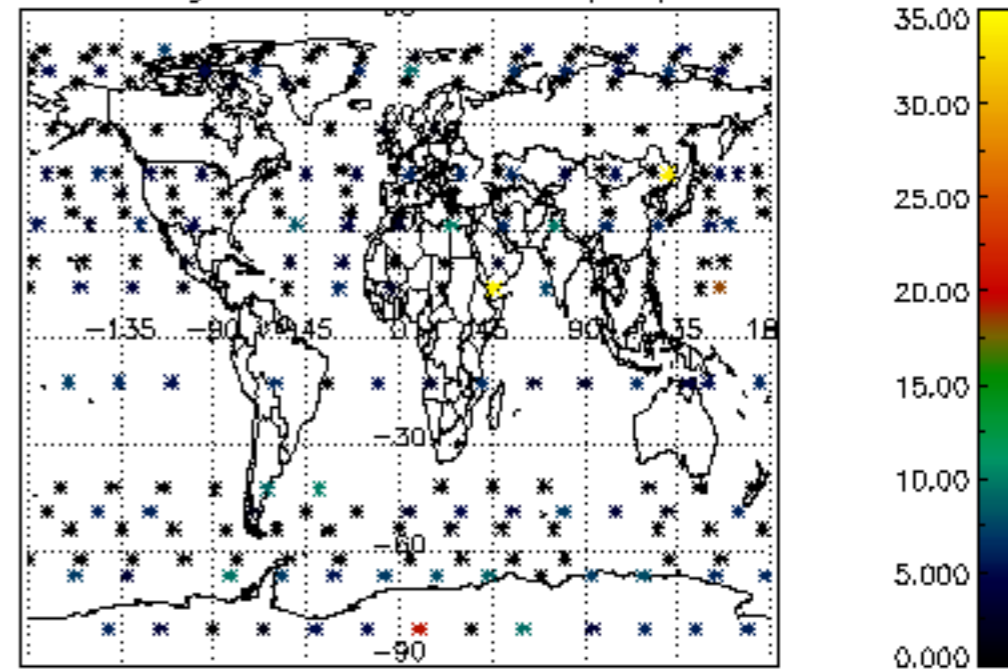
Percentage of datation errors per profile



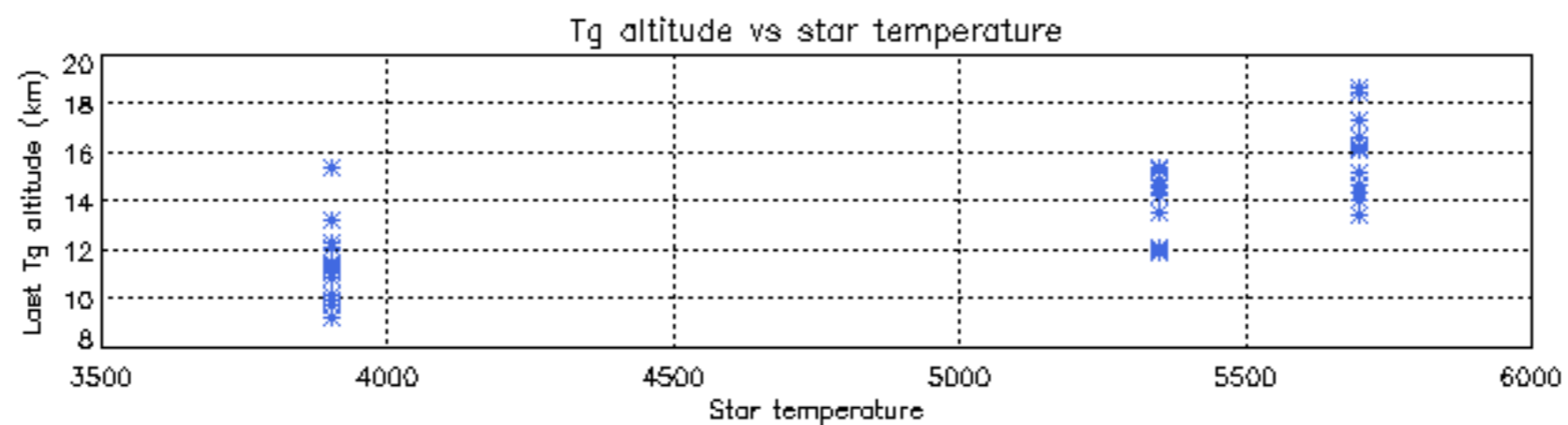
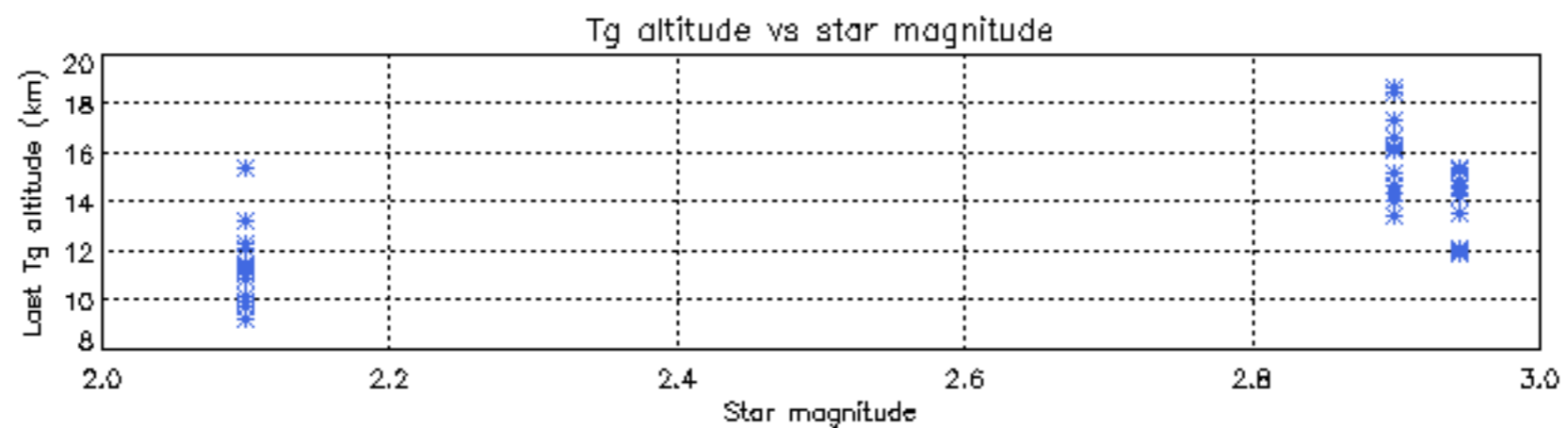
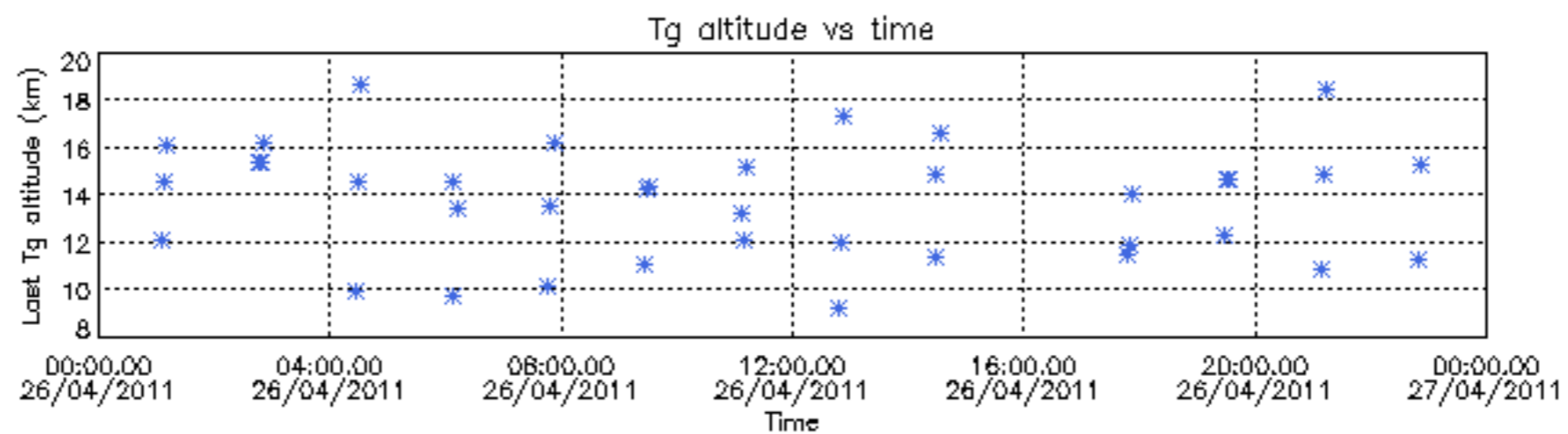
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

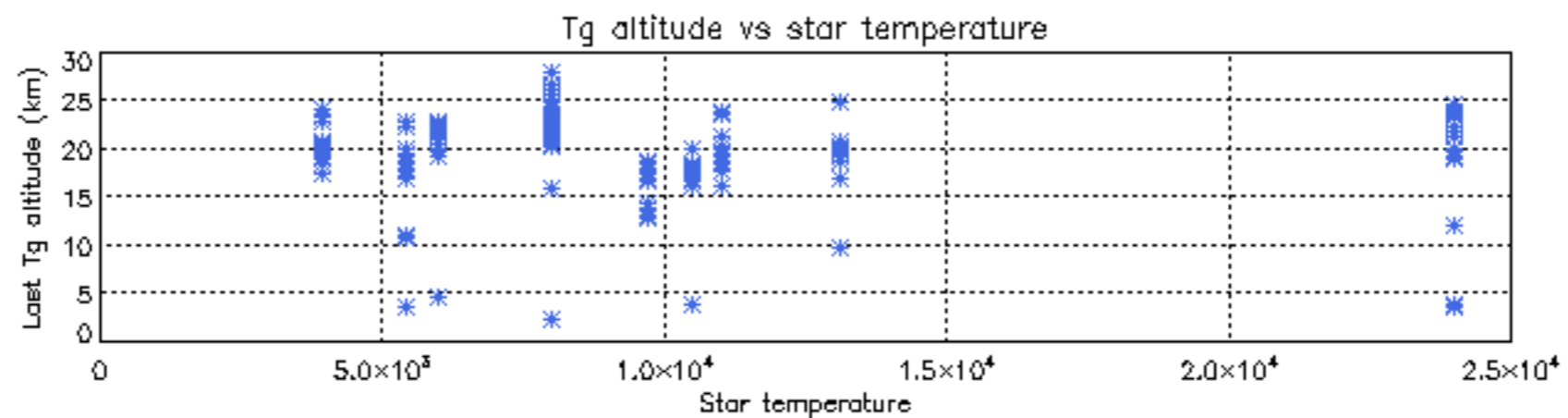
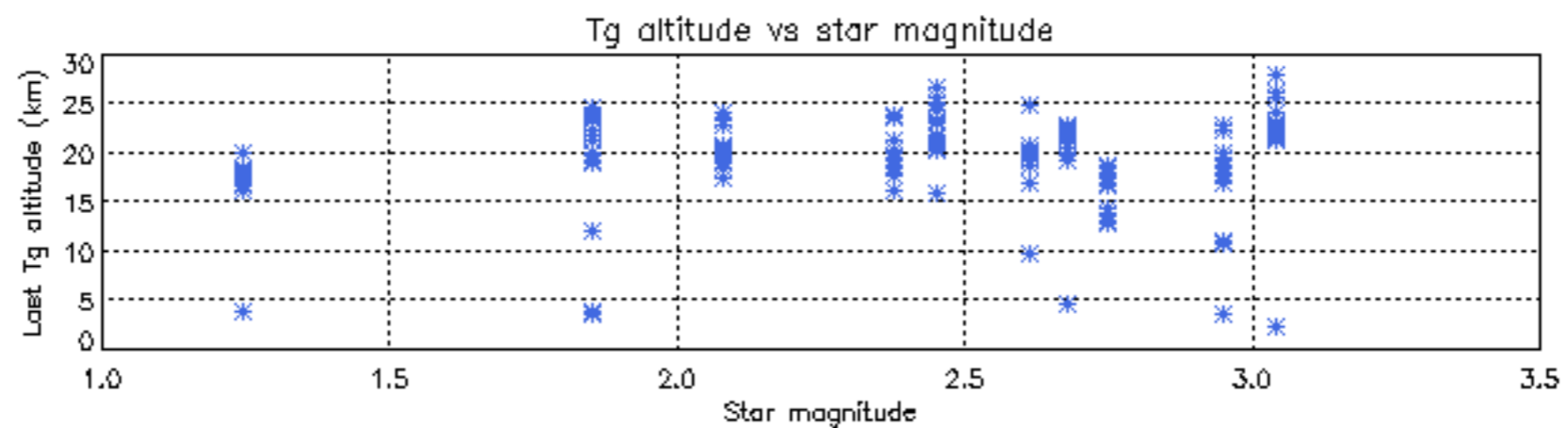
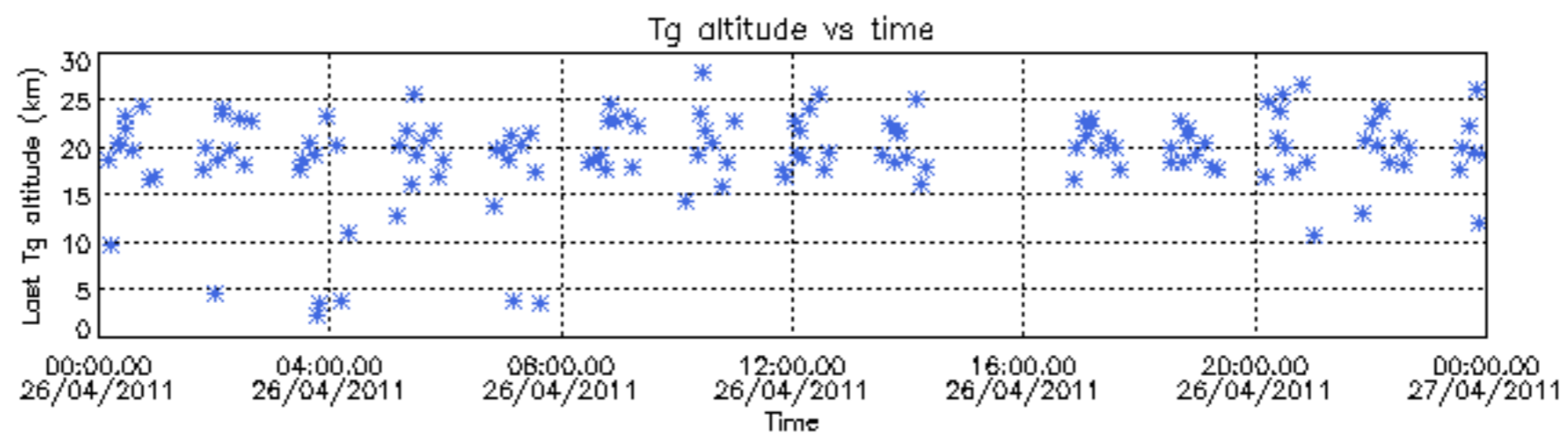


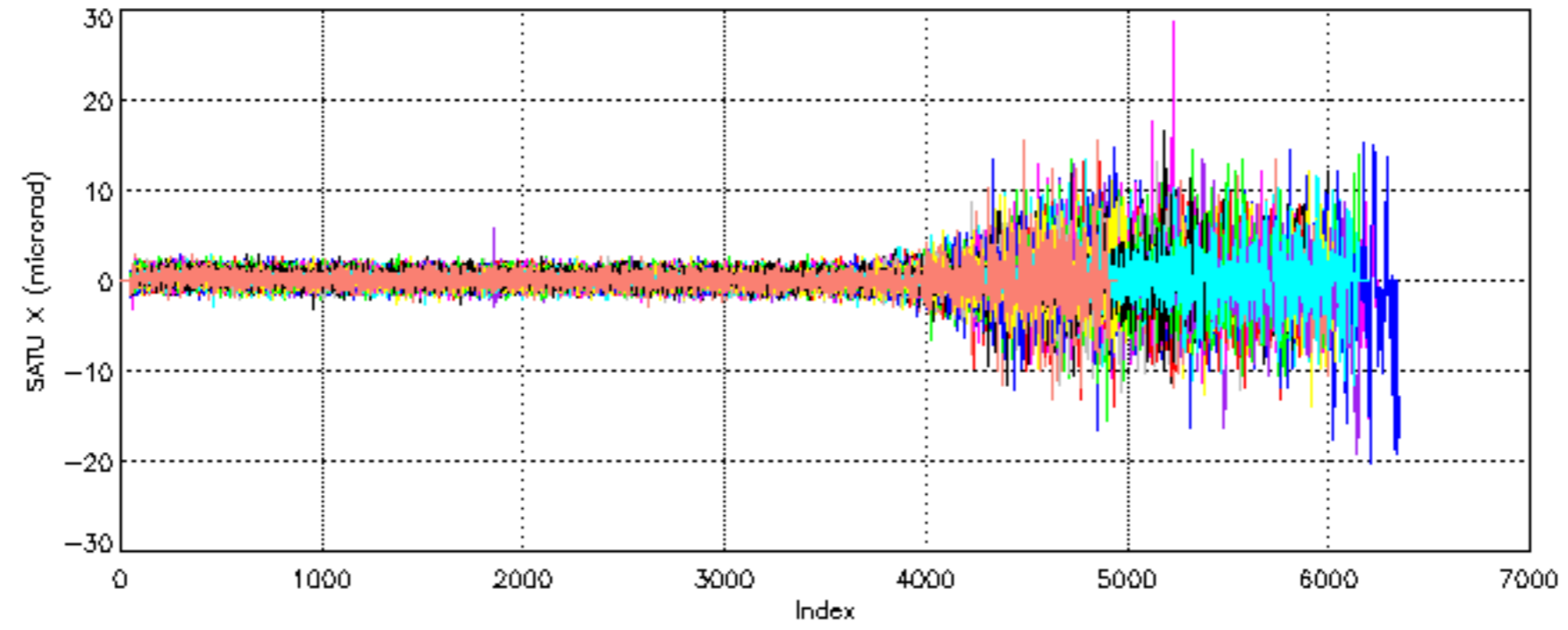
Tangent altitude at which the star is lost

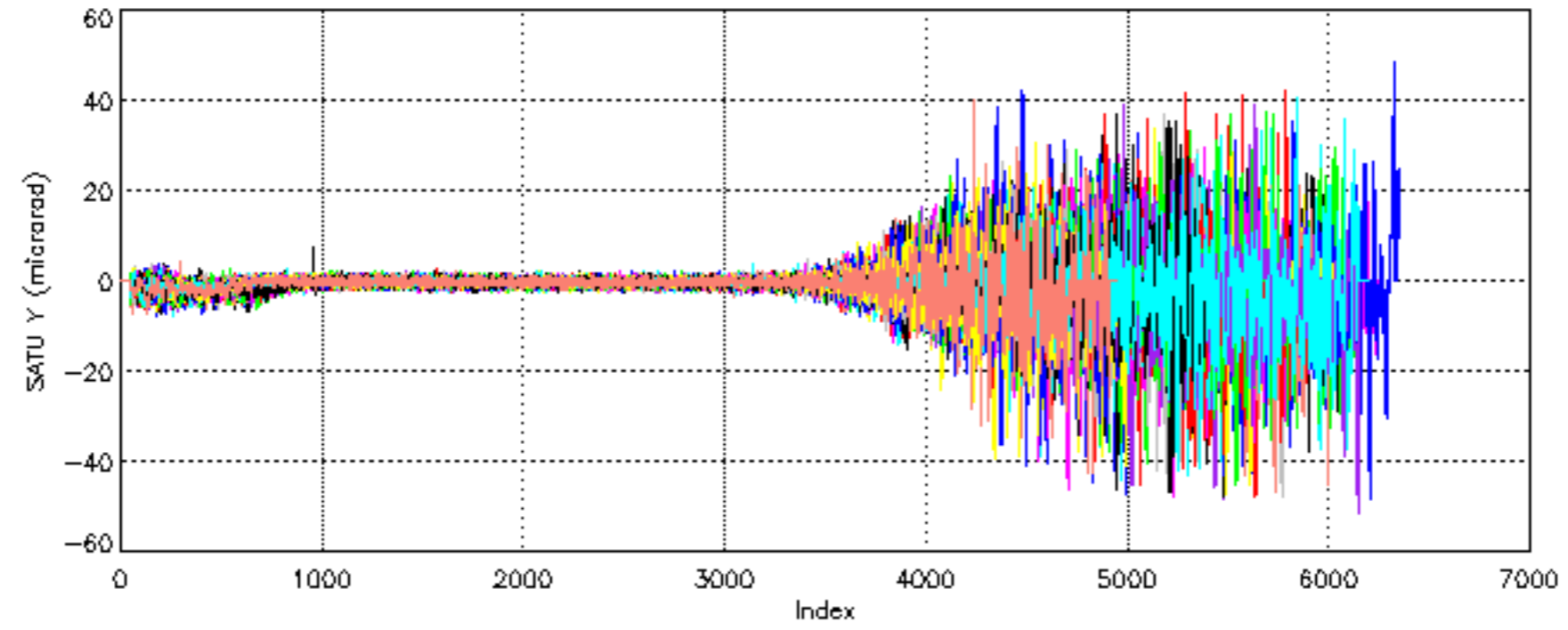




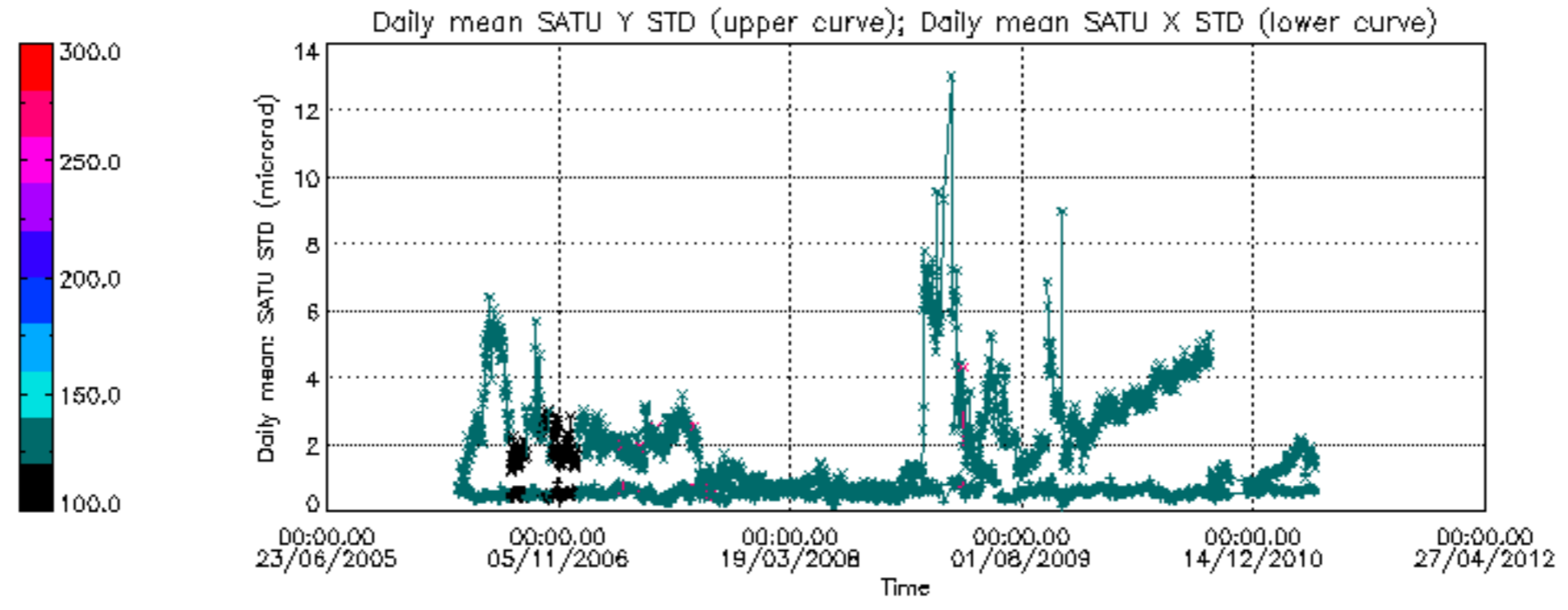
Tangent altitude at which the star is lost











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 16; 6383.4; 03-APR-2011 12:12:42; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;47538  
 17; 6870.2; 03-APR-2011 12:20:49; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;47538  
 18; 6966.5; 03-APR-2011 12:22:25; Dark ; 52.0; 81; Eta Cen ; 2.36; 28000;occ; 104; 0;47538  
 19; 7125.2; 03-APR-2011 12:25:04; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;47538  
 20; 7471.7; 03-APR-2011 12:30:50; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;47538  
 21; 7587.1; 03-APR-2011 12:32:46; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;47538

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1; 1597.7; 03-APR-2011 12:33:10; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 49;47538  
 2; 1675.2; 03-APR-2011 12:34:28; Dark ; 68.0; 15; 67Alp Vir ; 0.98; 28000;occ; 136; 0;47538  
 3; 1866.3; 03-APR-2011 12:37:39; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;47538



4; 2144.0; 03-APR-2011 12:42:17; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;47538  
5; 2639.3; 03-APR-2011 12:50:32; Bright; 43.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 86; 0;47538  
6; 2823.6; 03-APR-2011 12:53:36; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;47538  
7; 2925.3; 03-APR-2011 12:55:18; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;47538  
8; 3306.0; 03-APR-2011 13:01:39; Bright; 44.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;47538  
9; 3460.4; 03-APR-2011 13:04:13; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;47538  
10; 3879.4; 03-APR-2011 13:11:12; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;47538  
11; 4170.3; 03-APR-2011 13:16:03; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;47538  
12; 4290.3; 03-APR-2011 13:18:03; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;47538  
13; 4416.7; 03-APR-2011 13:20:09; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;47538  
14; 5737.9; 03-APR-2011 13:42:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47538  
15; 5921.4; 03-APR-2011 13:45:14; Dark ; 59.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 118; 0;47538  
16; 6132.0; 03-APR-2011 13:48:45; Dark ; 58.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 116; 0;47539  
17; 6384.8; 03-APR-2011 13:52:57; Dark ; 58.5; 25; 35Lam Sco ; 1.62; 28000;occ; 117; 0;47539  
18; 6871.1; 03-APR-2011 14:01:04; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;47539  
19; 6966.9; 03-APR-2011 14:02:39; Dark ; 50.5; 81; Eta Cen ; 2.36; 28000;occ; 101; 0;47539  
20; 7125.7; 03-APR-2011 14:05:18; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;47539  
21; 7472.1; 03-APR-2011 14:11:05; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;47539

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1; 1466.1; 03-APR-2011 14:11:13; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 16;47539  
2; 1573.2; 03-APR-2011 14:13:00; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;47539  
3; 1675.4; 03-APR-2011 14:14:42; Dark ; 60.5; 15; 67Alp Vir ; 0.98; 28000;occ; 121; 0;47539  
4; 1866.5; 03-APR-2011 14:17:53; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;47539  
5; 2144.2; 03-APR-2011 14:22:31; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;47539  
6; 2638.7; 03-APR-2011 14:30:45; Bright; 43.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 86; 0;47539  
7; 2823.4; 03-APR-2011 14:33:50; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;47539  
8; 2924.9; 03-APR-2011 14:35:31; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;47539  
9; 3305.8; 03-APR-2011 14:41:52; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;47539  
10; 3459.6; 03-APR-2011 14:44:26; Bright; 47.5; 119; 14Eta Dra ; 2.73; 4700;occ; 95; 0;47539  
11; 3879.4; 03-APR-2011 14:51:26; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;47539  
12; 4170.0; 03-APR-2011 14:56:16; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;47539  
13; 4290.5; 03-APR-2011 14:58:17; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;47539  
14; 4416.7; 03-APR-2011 15:00:23; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;47539  
15; 5738.8; 03-APR-2011 15:22:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47539  
16; 5923.1; 03-APR-2011 15:25:30; Dark ; 60.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 120; 0;47539  
17; 6133.5; 03-APR-2011 15:29:00; Dark ; 56.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 113; 0;47540  
18; 6386.3; 03-APR-2011 15:33:13; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;47540  
19; 6871.7; 03-APR-2011 15:41:18; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;47540  
20; 6967.7; 03-APR-2011 15:42:54; Dark ; 49.5; 81; Eta Cen ; 2.36; 28000;occ; 99; 0;47540  
21; 7126.1; 03-APR-2011 15:45:33; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;47540

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1; 876.1; 05-APR-2011 21:09:04; Dark ; 46.5; 78; Alp Lup ; 2.30; 28000;occ; 93; 0;47572  
2; 972.1; 05-APR-2011 21:10:40; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;47572  
3; 1127.2; 05-APR-2011 21:13:15; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;47572  
4; 1464.4; 05-APR-2011 21:18:53; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;47572  
5; 1589.2; 05-APR-2011 21:20:57; Dark ; 40.5; 163; 7Del Crv ; 2.94; 11000;occ; 81; 0;47572  
6; 1675.7; 05-APR-2011 21:22:24; Dark ; 60.5; 15; 67Alp Vir ; 0.98; 28000;occ; 121; 0;47572  
7; 1864.2; 05-APR-2011 21:25:32; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;47572  
8; 2118.6; 05-APR-2011 21:29:47; Bright; 64.0; 138; 47Eps Vir ; 2.83; 4700;occ; 128; 0;47572  
9; 2622.7; 05-APR-2011 21:38:11; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;47572  
10; 2817.5; 05-APR-2011 21:41:26; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;47572  
11; 2912.1; 05-APR-2011 21:43:00; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;47572  
12; 3295.3; 05-APR-2011 21:49:23; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47572  
13; 3436.0; 05-APR-2011 21:51:44; Bright; 49.0; 119; 14Eta Dra ; 2.73; 4700;occ; 98; 0;47572  
14; 3876.5; 05-APR-2011 21:59:05; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;47572  
15; 4163.3; 05-APR-2011 22:03:51; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;47572  
16; 4289.1; 05-APR-2011 22:05:57; Bright; 52.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 104; 0;47572  
17; 4419.8; 05-APR-2011 22:08:08; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;47572  
18; 4826.6; 05-APR-2011 22:14:55; Dark ; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;47572  
19; 5109.3; 05-APR-2011 22:19:38; Dark ; 37.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 75; 0;47572

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1; -904.6; 05-APR-2011 22:19:38; Dark ; 46.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 93; 0;47572  
2; -245.2; 05-APR-2011 22:30:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47572  
3; -52.3; 05-APR-2011 22:33:50; Dark ; 56.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 113; 0;47572  
4; 164.8; 05-APR-2011 22:37:27; Dark ; 60.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 121; 0;47573  
5; 417.3; 05-APR-2011 22:41:39; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;47573  
6; 876.8; 05-APR-2011 22:49:19; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;47573  
7; 972.6; 05-APR-2011 22:50:55; Dark ; 47.5; 81; Eta Cen ; 2.36; 28000;occ; 95; 0;47573

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

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

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

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1; 971.1; 05-APR-2011 17:50:11; Dark ; 49.0; 81; Eta Cen ; 2.36; 28000;occ; 98; 0;47570

2; 1126.3; 05-APR-2011 17:52:47; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;47570  
3; 1464.1; 05-APR-2011 17:58:24; Dark ; 44.5; 106; 9Bet Crv ; 2.65; 5600;occ; 89; 0;47570  
4; 1589.0; 05-APR-2011 18:00:29; Dark ; 44.5; 163; 7Del Crv ; 2.94; 11000;occ; 89; 0;47570  
5; 1675.6; 05-APR-2011 18:01:56; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;47570  
6; 1864.3; 05-APR-2011 18:05:04; Bright; 41.0; 121; 29Gam Vir ; 2.74; 7200;occ; 82; 0;47570  
7; 2119.4; 05-APR-2011 18:09:20; Bright; 44.5; 138; 47Eps Vir ; 2.83; 4700;occ; 89; 0;47570  
8; 2623.7; 05-APR-2011 18:17:44; Bright; 45.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 90; 0;47570  
9; 2817.9; 05-APR-2011 18:20:58; Bright; 42.5; 87; 64Gam UMa ; 2.43; 11000;occ; 85; 0;47570  
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11; 3296.1; 05-APR-2011 18:28:56; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47570  
12; 3437.4; 05-APR-2011 18:31:18; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;47570  
13; 3876.7; 05-APR-2011 18:38:37; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;47570  
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9; 4167.0; 17-APR-2011 13:02:52; Bright; 49.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 99; 0;47739  
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 5; 2565.9; 17-APR-2011 14:16:25; Bright; 55.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 111; 0;47740  
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 9; 3853.1; 17-APR-2011 14:37:52; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;47740  
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9;	4272.2;	18-APR-2011	15:48:21;	Bright;	;	57.5;	66;	37Gam Cyg	;	2.21;	5900;occ;	115;	0;	47755
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12;	5047.0;	18-APR-2011	16:01:16;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47755
13;	5214.8;	18-APR-2011	16:04:03;	Dark	;	51.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	102;	0;	47755
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15;	5966.9;	18-APR-2011	16:16:36;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47755
16;	6243.7;	18-APR-2011	16:21:12;	Dark	;	66.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	132;	0;	47756
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20;	6897.7;	18-APR-2011	16:32:06;	Dark	;	68.0;	75;	26Eps Sco	;	2.29;	4250;occ;	136;	0;	47756
21;	7021.8;	18-APR-2011	16:34:10;	Dark	;	42.5;	109;	Bet Lup	;	2.68;	26000;occ;	85;	0;	47756
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5; 2234.2; 25-APR-2011 15:57:56; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;47856
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8; 2773.1; 25-APR-2011 16:06:55; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;47856
9; 3235.9; 25-APR-2011 16:14:38; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;47856
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17; 7022.4; 28-APR-2011 10:26:50; Dark ; 61.5; 75; 26Eps Sco ; 2.29; 4250;occ; 123; 0;47896
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