

# GOMOS Daily Report 15-OCT-2009

## Level 0 and Level 1 products

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## [Level 2 products](#)

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

Item	Value
Time of report generation	18OCT2009 04:41:03
Data source version	GOMOS/5.00L03
Start time of products	15OCT2009 00:16:24
Stop time of products	15OCT2009 23:56:51
Store outputs in DB	Yes
Nb of level 1b prods	90
Nb of prods with errors	2

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

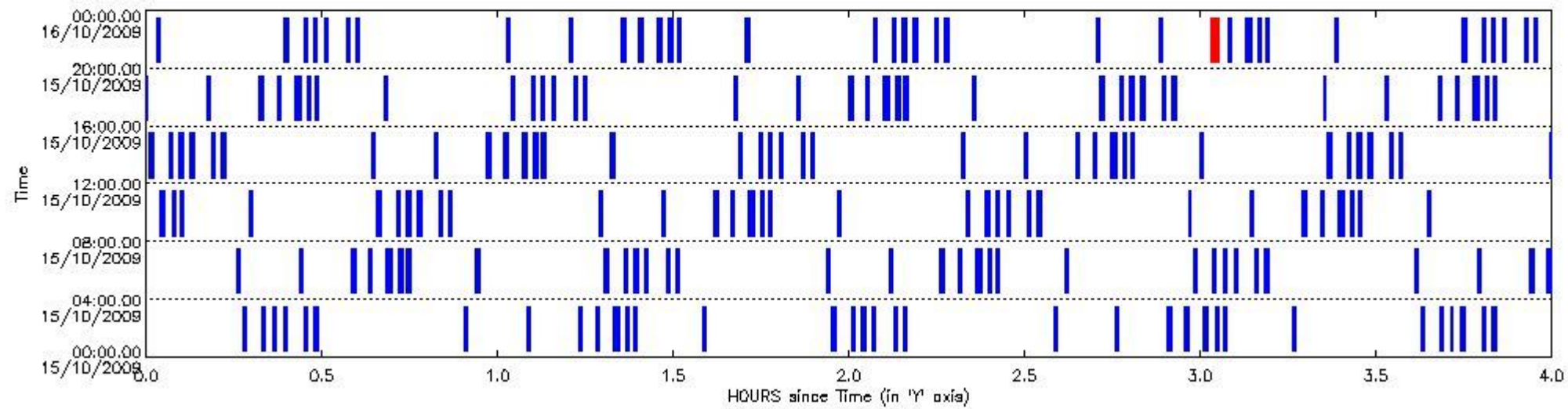
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
15-OCT-2009 23:01:51	15RhoPup	132	39877

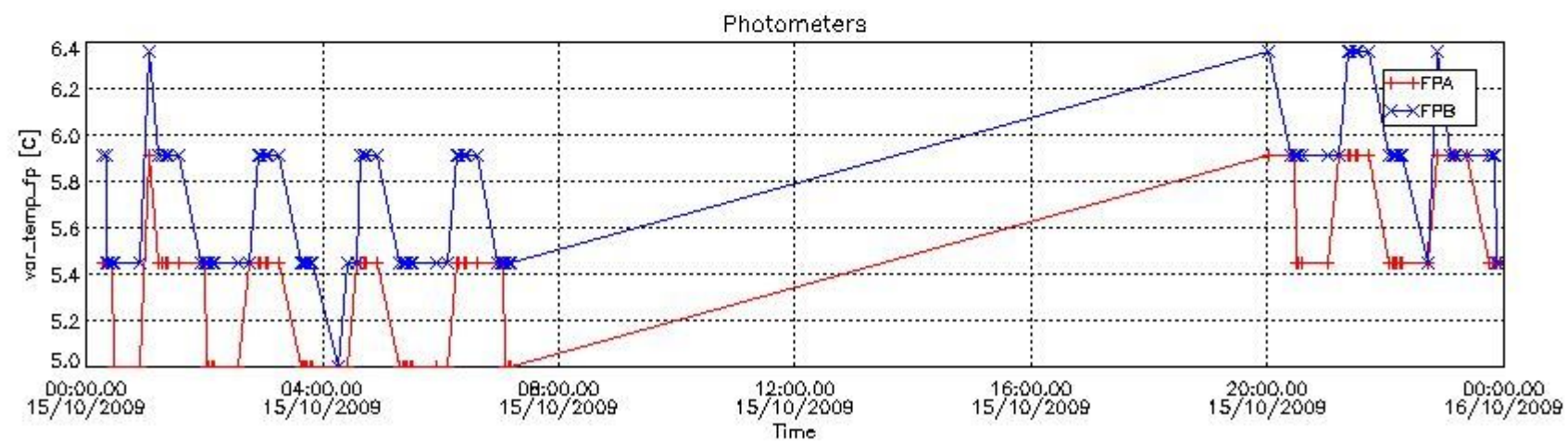
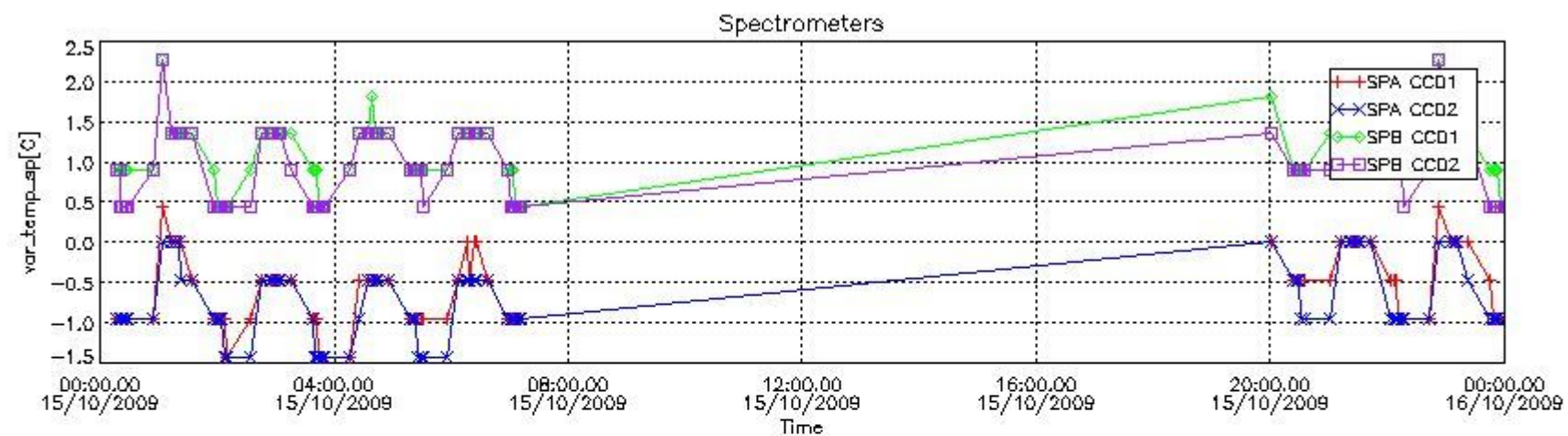
### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091015_001624_000000412083_00231_39864_0918.N1	15-OCT-2009 00:16:24	Bright	41.000	105	6Bet Ari	2.6450	8900.0	82	39864	No
2	GOM_TRA_1PNPDE20091015_001946_000000362083_00231_39864_0919.N1	15-OCT-2009 00:19:46	Bright	35.500	53	43Bet And	2.0480	3300.0	71	39864	No
3	GOM_TRA_1PNPDE20091015_002129_000000422083_00231_39864_0920.N1	15-OCT-2009 00:21:29	Bright	42.000	173	4Bet Tri	3.0040	8900.0	84	39864	No
4	GOM_TRA_1PNPDE20091015_002320_000000402083_00231_39864_0921.N1	15-OCT-2009 00:23:20	Bright	39.500	73	57Gam1And	2.2600	13100.	79	39864	No
5	GOM_TRA_1PNPDE20091015_002659_000000332083_00231_39864_0922.N1	15-OCT-2009 00:26:59	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	39864	No
6	GOM_TRA_1PNPDE20091015_002839_000000412083_00231_39864_0923.N1	15-OCT-2009 00:28:39	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	39864	No
7	GOM_TRA_1PNPDE20091015_005419_000000292083_00231_39864_0924.N1	15-OCT-2009 00:54:19	Twilight	29.000	166	17Eps Leo	2.9800	6000.0	58	39864	No
8	GOM_TRA_1PNPDE20091015_010454_000000332083_00231_39864_0921.N1	15-OCT-2009 01:04:54	Dark	33.000	48	30Alp Hya	1.9770	4100.0	66	39864	Yes
9	GOM_TRA_1PNPDE20091015_011342_000000442083_00231_39864_0922.N1	15-OCT-2009 01:13:42	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	39864	No
10	GOM_TRA_1PNPDE20091015_011645_000000372083_00231_39864_0923.N1	15-OCT-2009 01:16:45	Dark	37.000	70	Zet Pup	2.2460	39000.	74	39864	No

11	GOM_TRA_1PNPDE20091015_012152_000000372083_00232_39865_0924.N1	15-OCT-2009 01:21:52	Dark	37.000	161	Tau Pup	2.9310	4500.0	74	39865	No
12	GOM_TRA_1PNPDE20091015_012313_000000372083_00232_39865_0925.N1	15-OCT-2009 01:23:13	Dark	37.000	2	Alp Car	-0.73600	7000.0	74	39865	No
13	GOM_TRA_1PNPDE20091015_013503_000000362083_00232_39865_0926.N1	15-OCT-2009 01:35:03	Straylight	36.000	157	The1Eri	2.9060	9300.0	72	39865	No
14	GOM_TRA_1PNPDE20091015_015659_000000412083_00232_39865_0927.N1	15-OCT-2009 01:56:59	Bright	41.000	105	6Bet Ari	2.6450	8900.0	82	39865	No
15	GOM_TRA_1PNPDE20091015_020022_000000352083_00232_39865_0928.N1	15-OCT-2009 02:00:22	Bright	34.500	53	43Bet And	2.0480	3300.0	69	39865	No
16	GOM_TRA_1PNPDE20091015_020204_000000422083_00232_39865_0929.N1	15-OCT-2009 02:02:04	Bright	41.500	173	4Bet Tri	3.0040	8900.0	83	39865	No
17	GOM_TRA_1PNPDE20091015_020355_000000402083_00232_39865_0930.N1	15-OCT-2009 02:03:55	Bright	39.500	73	57Gam1And	2.2600	13100.	79	39865	No
18	GOM_TRA_1PNPDE20091015_020734_000000332083_00232_39865_0931.N1	15-OCT-2009 02:07:34	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	39865	No
19	GOM_TRA_1PNPDE20091015_020914_000000402083_00232_39865_0932.N1	15-OCT-2009 02:09:14	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	39865	No
20	GOM_TRA_1PNPDE20091015_023455_000000292083_00232_39865_0933.N1	15-OCT-2009 02:34:55	Twi_and_stray	29.000	166	17Eps Leo	2.9800	6000.0	58	39865	No
21	GOM_TRA_1PNPDE20091015_024530_000000342083_00232_39865_0934.N1	15-OCT-2009 02:45:30	Dark	33.500	48	30Alp Hya	1.9770	4100.0	67	39865	No
22	GOM_TRA_1PNPDE20091015_025419_000000442083_00232_39865_0935.N1	15-OCT-2009 02:54:19	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	39865	No
23	GOM_TRA_1PNPDE20091015_025722_000000372083_00232_39865_0936.N1	15-OCT-2009 02:57:22	Dark	37.000	70	Zet Pup	2.2460	39000.	74	39865	No
24	GOM_TRA_1PNPDE20091015_030229_000000372083_00233_39866_0937.N1	15-OCT-2009 03:02:29	Dark	37.000	161	Tau Pup	2.9310	4500.0	74	39866	No
25	GOM_TRA_1PNPDE20091015_030350_000000372083_00233_39866_0938.N1	15-OCT-2009 03:03:50	Dark	37.000	2	Alp Car	-0.73600	7000.0	74	39866	No
26	GOM_TRA_1PNPDE20091015_031539_000000362083_00233_39866_0939.N1	15-OCT-2009 03:15:39	Straylight	36.000	157	The1Eri	2.9060	9300.0	72	39866	No
27	GOM_TRA_1PNPDE20091015_033735_000000412083_00233_39866_0940.N1	15-OCT-2009 03:37:35	Bright	40.500	105	6Bet Ari	2.6450	8900.0	81	39866	No
28	GOM_TRA_1PNPDE20091015_034057_000000212083_00233_39866_0941.N1	15-OCT-2009 03:40:57	Twi_and_stray	21.000	53	43Bet And	2.0480	3300.0	42	39866	No
29	GOM_TRA_1PNPDE20091015_034239_000000262083_00233_39866_0942.N1	15-OCT-2009 03:42:39	Twi_and_stray	25.500	173	4Bet Tri	3.0040	8900.0	51	39866	No
30	GOM_TRA_1PNPDE20091015_034430_000000392083_00233_39866_0943.N1	15-OCT-2009 03:44:30	Bright	39.000	73	57Gam1And	2.2600	13100.	78	39866	No
31	GOM_TRA_1PNPDE20091015_034810_000000332083_00233_39866_0944.N1	15-OCT-2009 03:48:10	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	39866	No
32	GOM_TRA_1PNPDE20091015_034950_000000402083_00233_39866_0945.N1	15-OCT-2009 03:49:50	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	39866	No
33	GOM_TRA_1PNPDE20091015_041531_000000292083_00233_39866_0941.N1	15-OCT-2009 04:15:31	Twi_and_stray	29.000	166	17Eps Leo	2.9800	6000.0	58	39866	No
34	GOM_TRA_1PNPDE20091015_042607_000000332083_00233_39866_0942.N1	15-OCT-2009 04:26:07	Dark	33.000	48	30Alp Hya	1.9770	4100.0	66	39866	No
35	GOM_TRA_1PNPDE20091015_043456_000000442083_00233_39866_0943.N1	15-OCT-2009 04:34:56	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	39866	No
36	GOM_TRA_1PNPDE20091015_043758_000000382083_00233_39866_0944.N1	15-OCT-2009 04:37:58	Dark	37.500	70	Zet Pup	2.2460	39000.	75	39866	No
37	GOM_TRA_1PNPDE20091015_044306_000000372083_00234_39867_0945.N1	15-OCT-2009 04:43:06	Dark	37.000	161	Tau Pup	2.9310	4500.0	74	39867	No
38	GOM_TRA_1PNPDE20091015_044426_000000372083_00234_39867_0946.N1	15-OCT-2009 04:44:26	Dark	37.000	2	Alp Car	-0.73600	7000.0	74	39867	No
39	GOM_TRA_1PNPDE20091015_045616_000000362083_00234_39867_0947.N1	15-OCT-2009 04:56:16	Straylight	35.500	157	The1Eri	2.9060	9300.0	71	39867	No
40	GOM_TRA_1PNPDE20091015_051811_000000412083_00234_39867_0948.N1	15-OCT-2009 05:18:11	Bright	40.500	105	6Bet Ari	2.6450	8900.0	81	39867	No
41	GOM_TRA_1PNPDE20091015_052133_000000352083_00234_39867_0949.N1	15-OCT-2009 05:21:33	Bright	35.000	53	43Bet And	2.0480	3300.0	70	39867	No
42	GOM_TRA_1PNPDE20091015_052315_000000422083_00234_39867_0950.N1	15-OCT-2009 05:23:15	Bright	41.500	173	4Bet Tri	3.0040	8900.0	83	39867	No
43	GOM_TRA_1PNPDE20091015_052505_000000402083_00234_39867_0951.N1	15-OCT-2009 05:25:05	Bright	39.500	73	57Gam1And	2.2600	13100.	79	39867	No
44	GOM_TRA_1PNPDE20091015_052846_000000332083_00234_39867_0952.N1	15-OCT-2009 05:28:46	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	39867	No
45	GOM_TRA_1PNPDE20091015_053025_000000402083_00234_39867_0953.N1	15-OCT-2009 05:30:25	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	39867	No
46	GOM_TRA_1PNPDE20091015_055608_000000292083_00234_39867_0952.N1	15-OCT-2009 05:56:08	Twi_and_stray	29.000	166	17Eps Leo	2.9800	6000.0	58	39867	No
47	GOM_TRA_1PNPDE20091015_060644_000000332083_00234_39867_0953.N1	15-OCT-2009 06:06:44	Dark	33.000	48	30Alp Hya	1.9770	4100.0	66	39867	No
48	GOM_TRA_1PNPDE20091015_061533_000000442083_00234_39867_0954.N1	15-OCT-2009 06:15:33	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	39867	No
49	GOM_TRA_1PNPDE20091015_061835_000000382083_00234_39867_0955.N1	15-OCT-2009 06:18:35	Dark	38.000	70	Zet Pup	2.2460	39000.	76	39867	No
50	GOM_TRA_1PNPDE20091015_062342_000000382083_00235_39868_0956.N1	15-OCT-2009 06:23:42	Dark	37.500	161	Tau Pup	2.9310	4500.0	75	39868	No
51	GOM_TRA_1PNPDE20091015_062503_000000372083_00235_39868_0957.N1	15-OCT-2009 06:25:03	Dark	37.000	2	Alp Car	-0.73600	7000.0	74	39868	No
52	GOM_TRA_1PNPDE20091015_063653_000000362083_00235_39868_0958.N1	15-OCT-2009 06:36:53	Straylight	35.500	157	The1Eri	2.9060	9300.0	71	39868	No
53	GOM_TRA_1PNPDE20091015_065846_000000412083_00235_39868_0959.N1	15-OCT-2009 06:58:46	Bright	40.500	105	6Bet Ari	2.6450	8900.0	81	39868	No
54	GOM_TRA_1PNPDE20091015_070209_000000352083_00235_39868_0960.N1	15-OCT-2009 07:02:09	Bright	35.000	53	43Bet And	2.0480	3300.0	70	39868	No
55	GOM_TRA_1PNPDE20091015_070350_000000422083_00235_39868_0961.N1	15-OCT-2009 07:03:50	Bright	41.500	173	4Bet Tri	3.0040	8900.0	83	39868	No
56	GOM_TRA_1PNPDE20091015_070541_000000392083_00235_39868_0962.N1	15-OCT-2009 07:05:41	Bright	39.000	73	57Gam1And	2.2600	13100.	78	39868	No
57	GOM_TRA_1PNPDE20091015_070921_000000332083_00235_39868_0963.N1	15-OCT-2009 07:09:21	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	39868	No
58	GOM_TRA_1PNPDE20091015_071100_000000402083_00235_39868_0964.N1	15-OCT-2009 07:11:00	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	39868	No
59	GOM_TRA_1PNPDE20091015_200144_000000362083_00243_39876_1100.N1	15-OCT-2009 20:01:44	Straylight	36.000	157	The1Eri	2.9060	9300.0	72	39876	No
60	GOM_TRA_1PNPDE20091015_202329_000000402083_00243_39876_1101.N1	15-OCT-2009 20:23:29	Bright	40.000	105	6Bet Ari	2.6450	8900.0	80	39876	No
61	GOM_TRA_1PNPDE20091015_202653_000000352083_00243_39876_1102.N1	15-OCT-2009 20:26:53	Bright	35.000	53	43Bet And	2.0480	3300.0	70	39876	No
62	GOM_TRA_1PNPDE20091015_202832_000000422083_00243_39876_1103.N1	15-OCT-2009 20:28:32	Bright	41.500	173	4Bet Tri	3.0040	8900.0	83	39876	No
63	GOM_TRA_1PNPDE20091015_203023_000000402083_00243_39876_1104.N1	15-OCT-2009 20:30:23	Bright	39.500	73	57Gam1And	2.2600	13100.	79	39876	No
64	GOM_TRA_1PNPDE20091015_203406_000000332083_00243_39876_1105.N1	15-OCT-2009 20:34:06	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	39876	No
65	GOM_TRA_1PNPDE20091015_203541_000000402083_00243_39876_1106.N1	15-OCT-2009 20:35:41	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	39876	No
66	GOM_TRA_1PNPDE20091015_210133_000000292083_00243_39876_1107.N1	15-OCT-2009 21:01:33	Twi_and_stray	29.000	166	17Eps Leo	2.9800	6000.0	58	39876	No
67	GOM_TRA_1PNPDE20091015_211213_000000342083_00243_39876_1088.N1	15-OCT-2009 21:12:13	Dark	33.500	48	30Alp Hya	1.9770	4100.0	67	39876	No
68	GOM_TRA_1PNPDE20091015_212108_000000452083_00243_39876_1089.N1	15-OCT-2009 21:21:08	Dark	44.500	132	15Rho Pup	2.8030	6900.0	89	39876	No
69	GOM_TRA_1PNPDE20091015_212406_000000382083_00243_39876_1090.N1	15-OCT-2009 21:24:06	Dark	38.000	70	Zet Pup	2.2460	39000.	76	39876	No

70	GOM_TRA_1PNPDE20091015_212913_000000382083_00244_39877_1091.N1	15-OCT-2009 21:29:13	Dark	37.500	161	Tau Pup	2.9310	4500.0	75	39877	No
71	GOM_TRA_1PNPDE20091015_213034_000000372083_00244_39877_1092.N1	15-OCT-2009 21:30:34	Dark	37.000	2	Alp Car	-0.73600	7000.0	74	39877	No
72	GOM_TRA_1PNPDE20091015_214220_000000362083_00244_39877_1093.N1	15-OCT-2009 21:42:20	Straylight	35.500	157	The1Eri	2.9060	9300.0	71	39877	No
73	GOM_TRA_1PNPDE20091015_220404_000000402083_00244_39877_1094.N1	15-OCT-2009 22:04:04	Bright	40.000	105	6Bet Ari	2.6450	8900.0	80	39877	No
74	GOM_TRA_1PNPDE20091015_220729_000000212083_00244_39877_1095.N1	15-OCT-2009 22:07:29	Twilight_stray	20.500	53	43Bet And	2.0480	3300.0	41	39877	No
75	GOM_TRA_1PNPDE20091015_220907_000000412083_00244_39877_1096.N1	15-OCT-2009 22:09:07	Bright	41.000	173	4Bet Tri	3.0040	8900.0	82	39877	No
76	GOM_TRA_1PNPDE20091015_221059_000000392083_00244_39877_1097.N1	15-OCT-2009 22:10:59	Bright	39.000	73	57Gam1And	2.2600	13100.	78	39877	No
77	GOM_TRA_1PNPDE20091015_221442_000000332083_00244_39877_1098.N1	15-OCT-2009 22:14:42	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	39877	No
78	GOM_TRA_1PNPDE20091015_221616_000000402083_00244_39877_1099.N1	15-OCT-2009 22:16:16	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	39877	No
79	GOM_TRA_1PNPDE20091015_224210_000000292083_00244_39877_1100.N1	15-OCT-2009 22:42:10	Twilight_stray	29.000	166	17Eps Leo	2.9800	6000.0	58	39877	No
80	GOM_TRA_1PNPDE20091015_225250_000000342083_00244_39877_1091.N1	15-OCT-2009 22:52:50	Dark	33.500	48	30Alp Hya	1.9770	4100.0	67	39877	Yes
81	GOM_TRA_1PNPDE20091015_230443_000000382083_00244_39877_1092.N1	15-OCT-2009 23:04:43	Dark	38.000	70	Zet Pup	2.2460	39000.	76	39877	No
82	GOM_TRA_1PNPDE20091015_230950_000000372083_00245_39878_1093.N1	15-OCT-2009 23:09:50	Dark	37.000	161	Tau Pup	2.9310	4500.0	74	39878	No
83	GOM_TRA_1PNPDE20091015_231111_000000372083_00245_39878_1094.N1	15-OCT-2009 23:11:11	Dark	37.000	2	Alp Car	-0.73600	7000.0	74	39878	No
84	GOM_TRA_1PNPDE20091015_232257_000000362083_00245_39878_1095.N1	15-OCT-2009 23:22:57	Straylight	35.500	157	The1Eri	2.9060	9300.0	71	39878	No
85	GOM_TRA_1PNPDE20091015_234440_000000402083_00245_39878_1096.N1	15-OCT-2009 23:44:40	Bright	40.000	105	6Bet Ari	2.6450	8900.0	80	39878	No
86	GOM_TRA_1PNPDE20091015_234805_000000352083_00245_39878_1097.N1	15-OCT-2009 23:48:05	Bright	34.500	53	43Bet And	2.0480	3300.0	69	39878	No
87	GOM_TRA_1PNPDE20091015_234942_000000422083_00245_39878_1098.N1	15-OCT-2009 23:49:42	Bright	41.500	173	4Bet Tri	3.0040	8900.0	83	39878	No
88	GOM_TRA_1PNPDE20091015_235134_000000392083_00245_39878_1099.N1	15-OCT-2009 23:51:34	Bright	39.000	73	57Gam1And	2.2600	13100.	78	39878	No
89	GOM_TRA_1PNPDE20091015_235517_000000332083_00245_39878_1100.N1	15-OCT-2009 23:55:17	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	39878	No
90	GOM_TRA_1PNPDE20091015_235651_000000412083_00245_39878_1101.N1	15-OCT-2009 23:56:51	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	39878	No

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



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

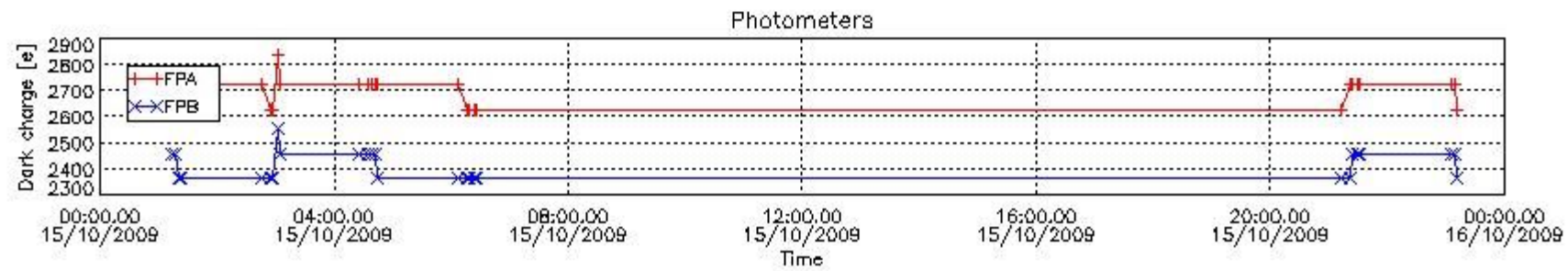
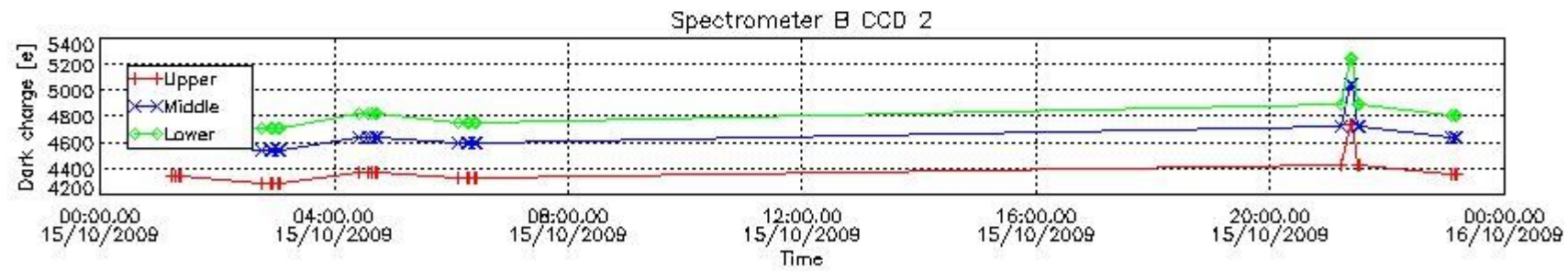
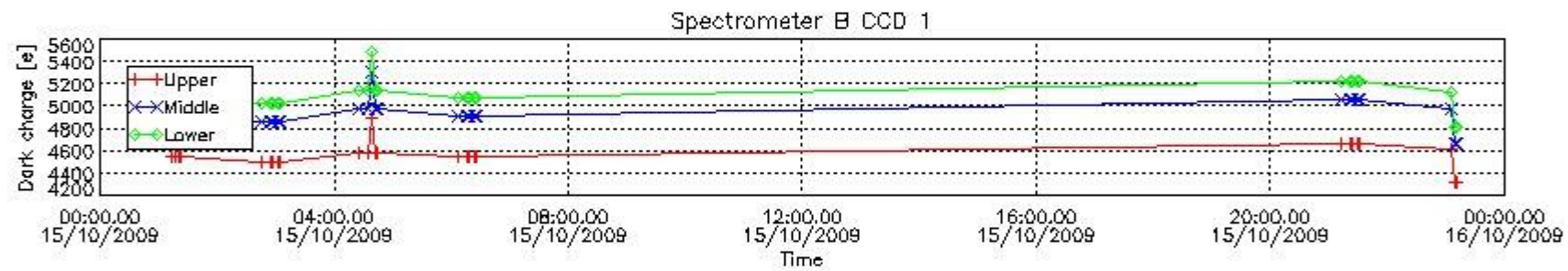
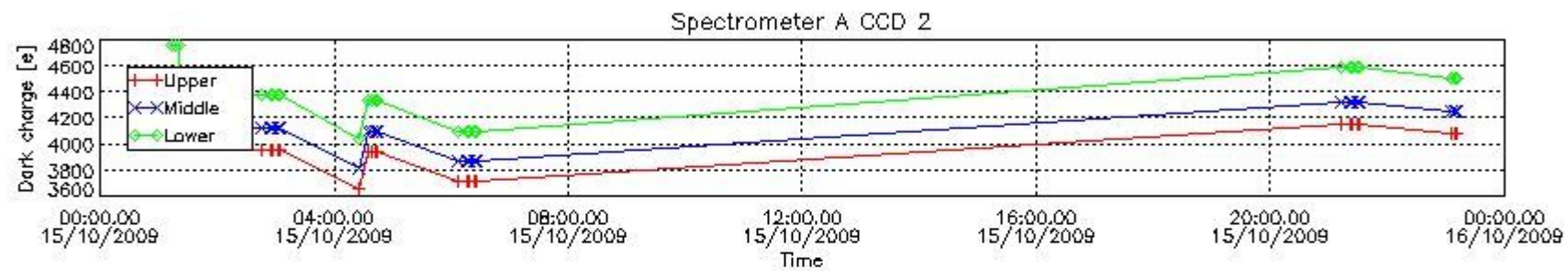
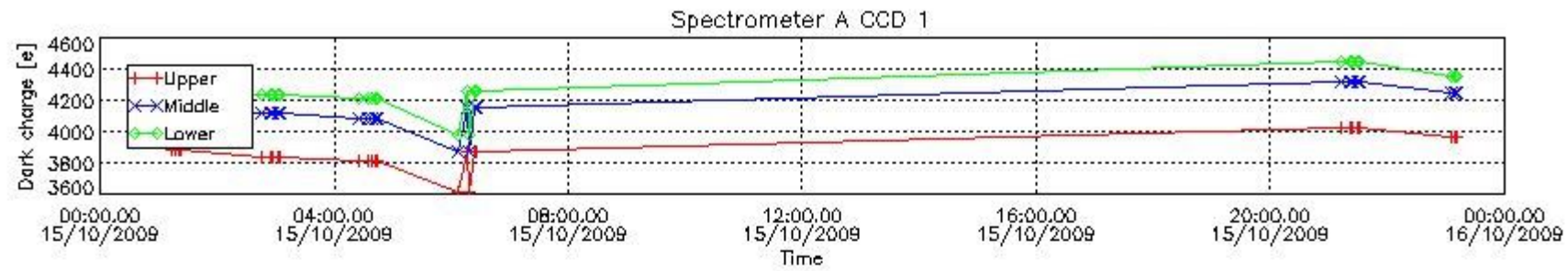
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20091015_200144_000000362083_00243_39876_1100.N1	DC map used
GOM_TRA_1PNPDE20091015_202329_000000402083_00243_39876_1101.N1	DC map used
GOM_TRA_1PNPDE20091015_202653_000000352083_00243_39876_1102.N1	DC map used
GOM_TRA_1PNPDE20091015_202832_000000422083_00243_39876_1103.N1	DC map used
GOM_TRA_1PNPDE20091015_203023_000000402083_00243_39876_1104.N1	DC map used
GOM_TRA_1PNPDE20091015_203406_000000332083_00243_39876_1105.N1	DC map used
GOM_TRA_1PNPDE20091015_203541_000000402083_00243_39876_1106.N1	DC map used
GOM_TRA_1PNPDE20091015_210133_000000292083_00243_39876_1107.N1	DC map used

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



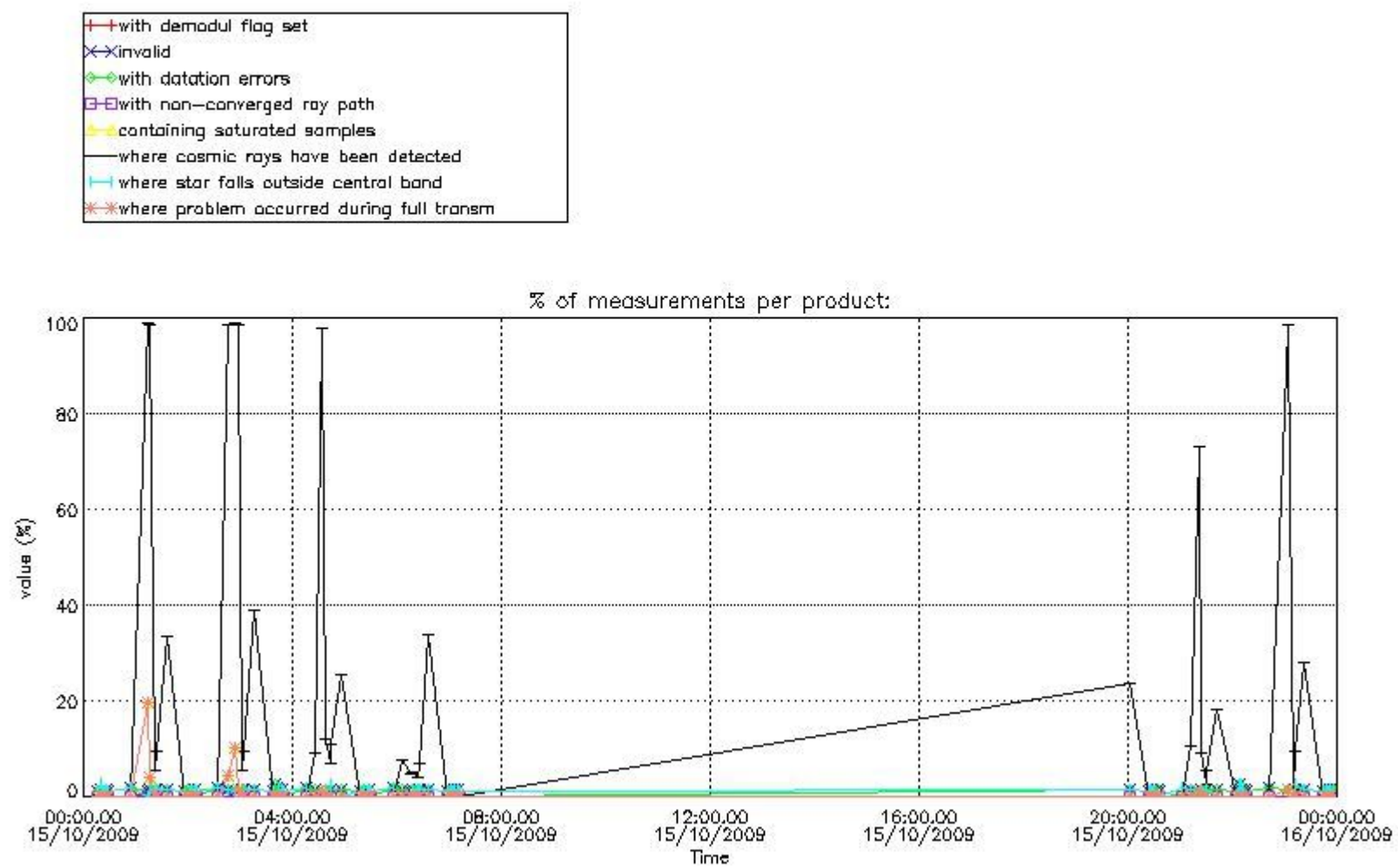
## 5. Demodulation flag and quality information monitoring

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.

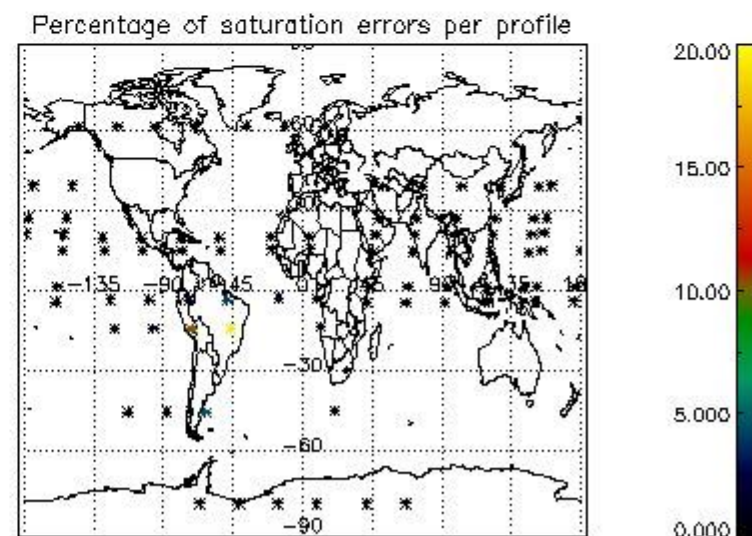
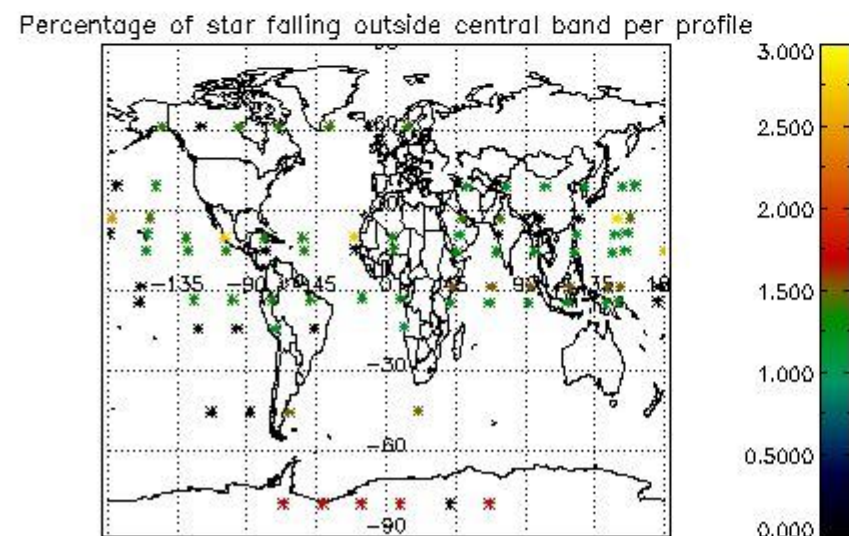
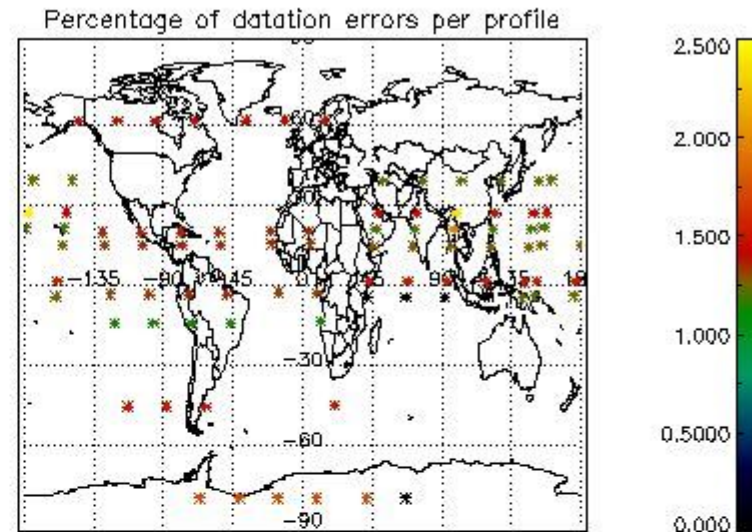
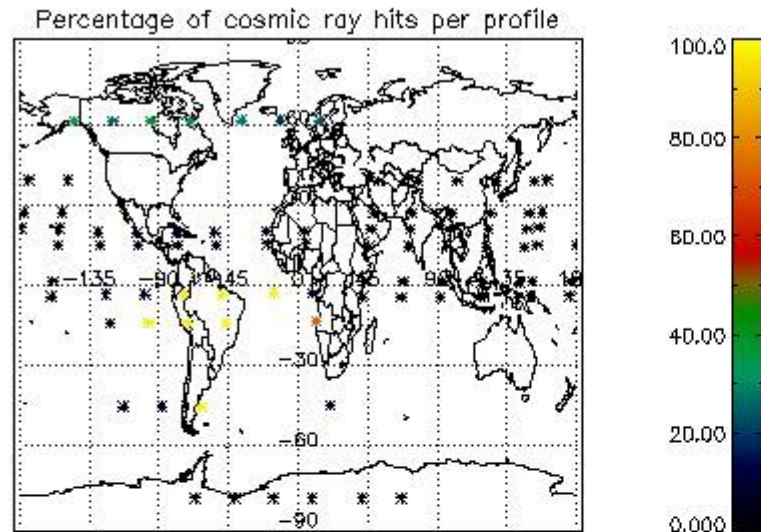
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	26.1364 %
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)

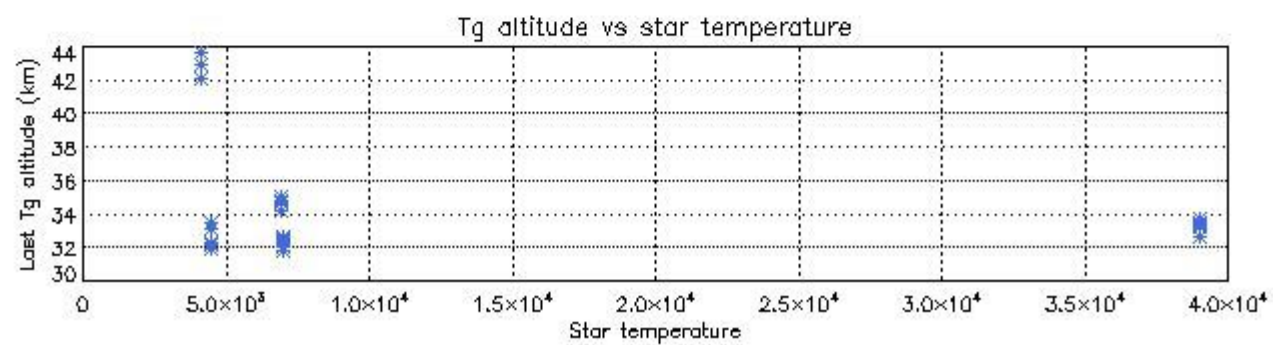
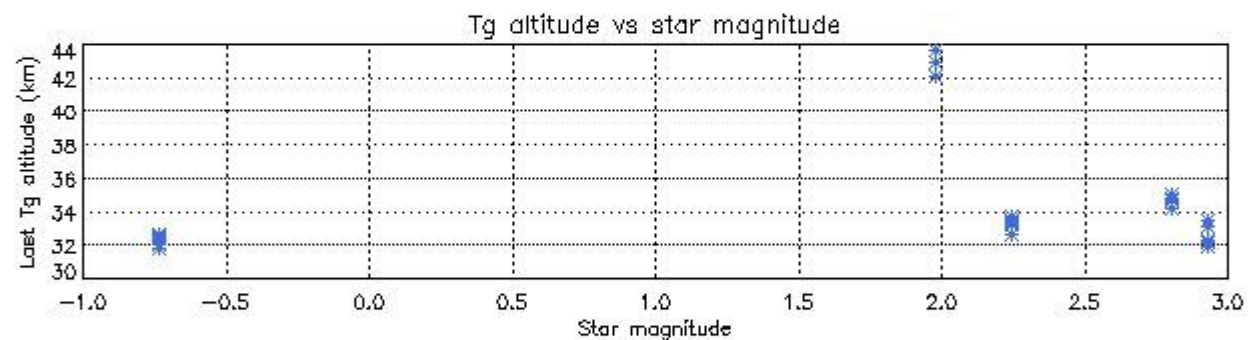
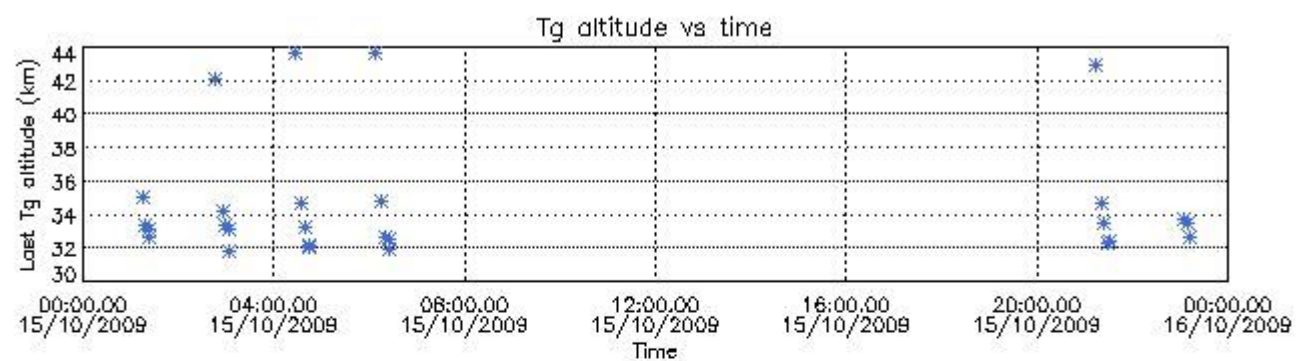
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	34.641	33.998	NaN
St. deviation:	3.7014	1.5017	NaN
Maximum:	43.615	37.088	NaN
Minimum:	31.825	31.671	NaN
Number of data:	27.000	45.000	NaN

### 6.2 Plot for DARK limb products

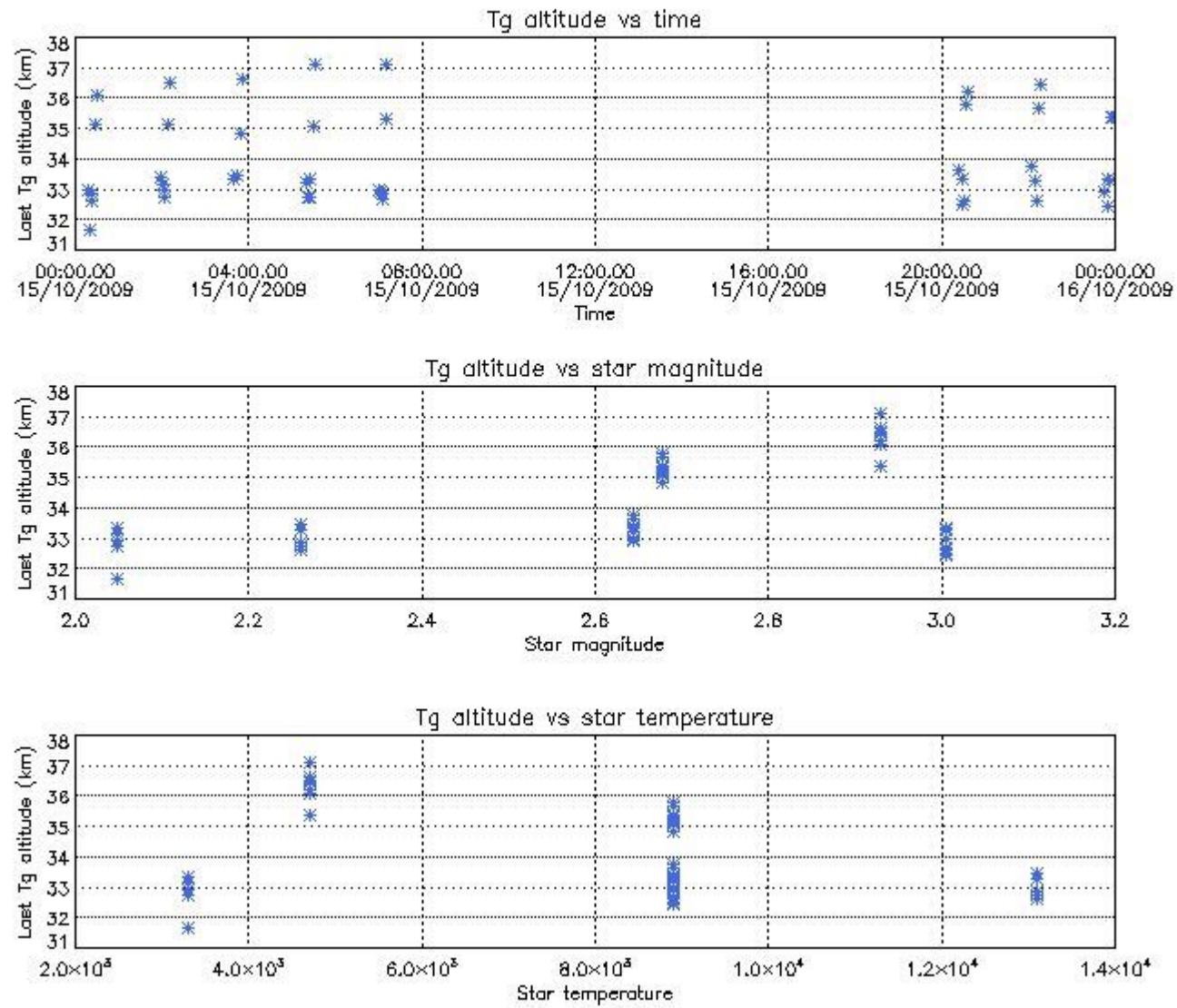


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

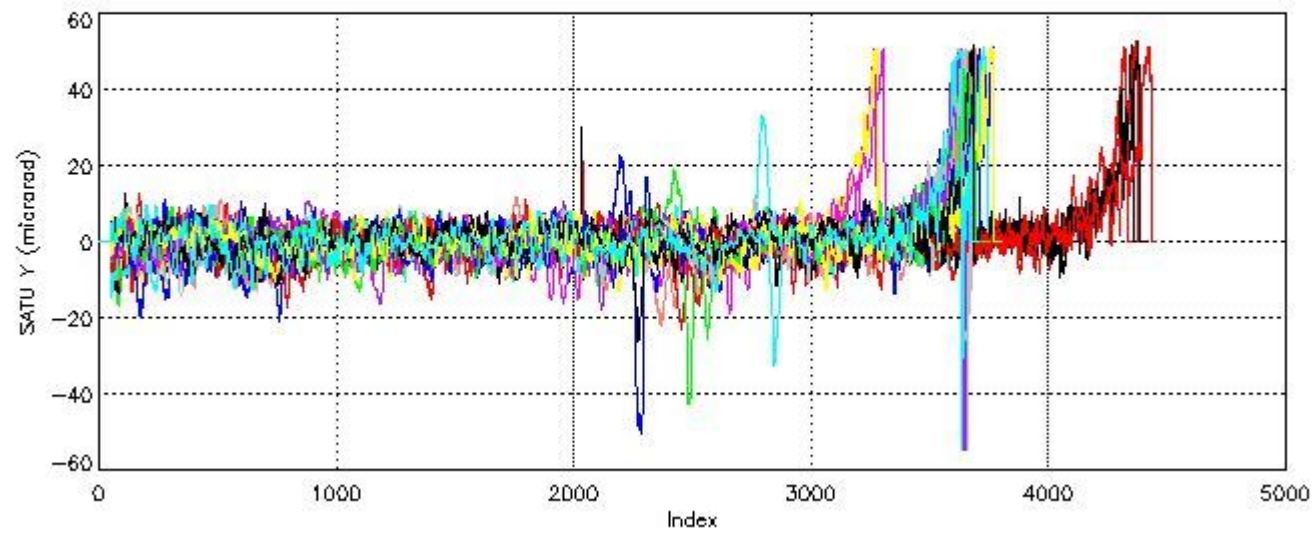
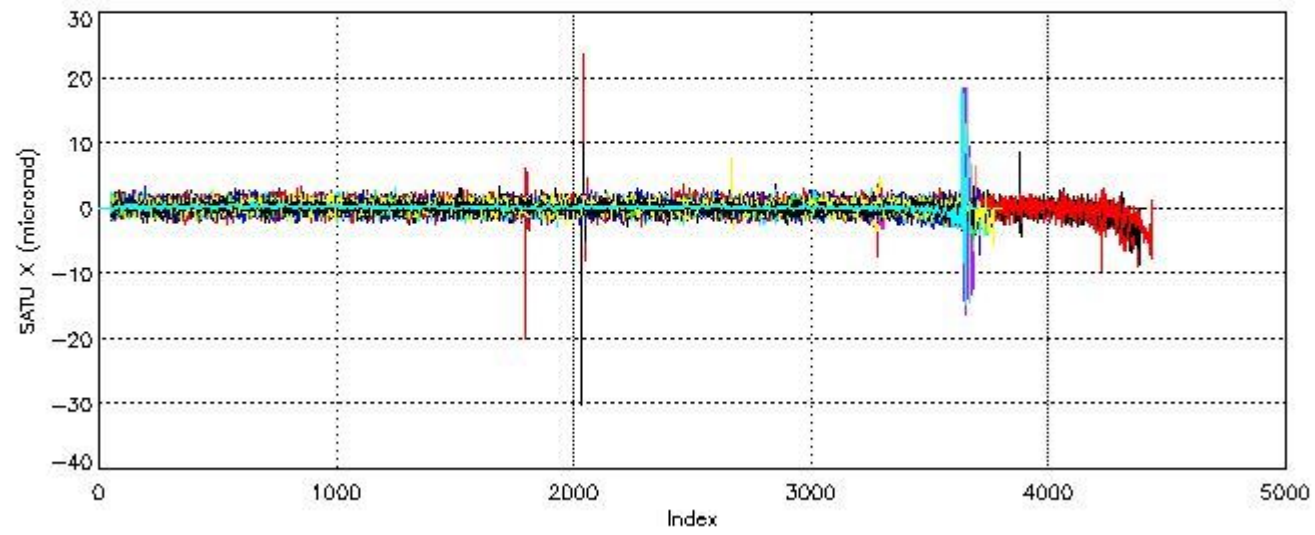


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.20650	-0.68217	0.33086	-0.91375
St. deviation:	0.52520	3.6019	0.94404	3.9977
Maximum:	3.3000	12.700	6.0000	16.300
Minimum:	-2.5000	-21.000	-5.6000	-28.000

Number of data:	29300.	29300.	49050.	49050.
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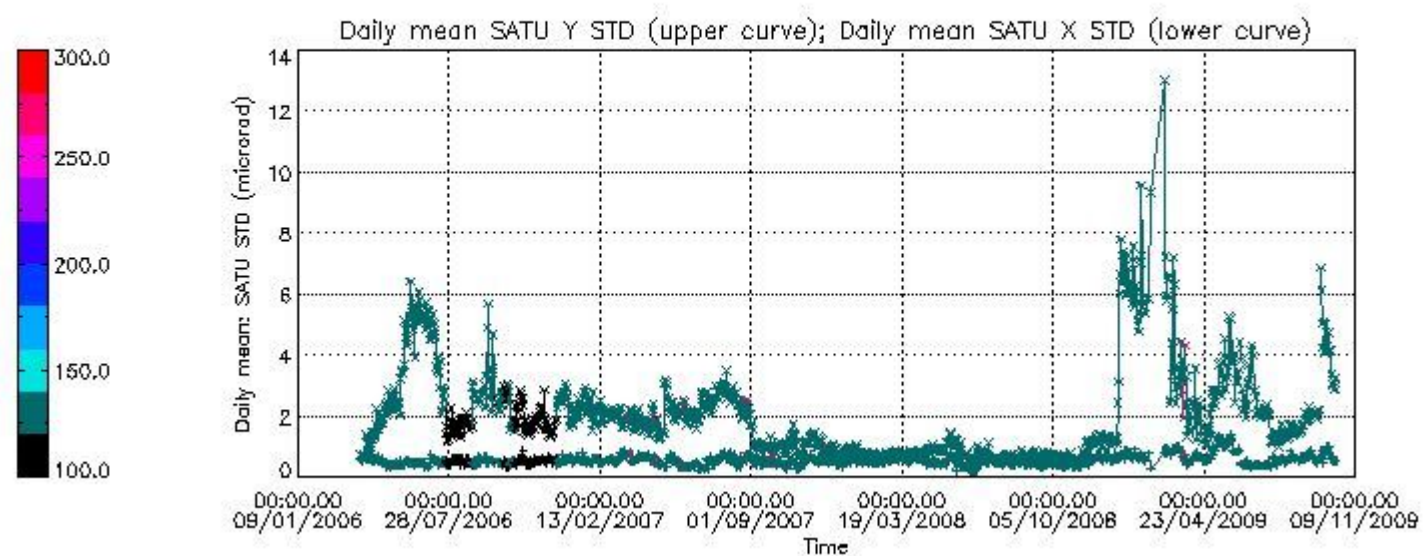
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

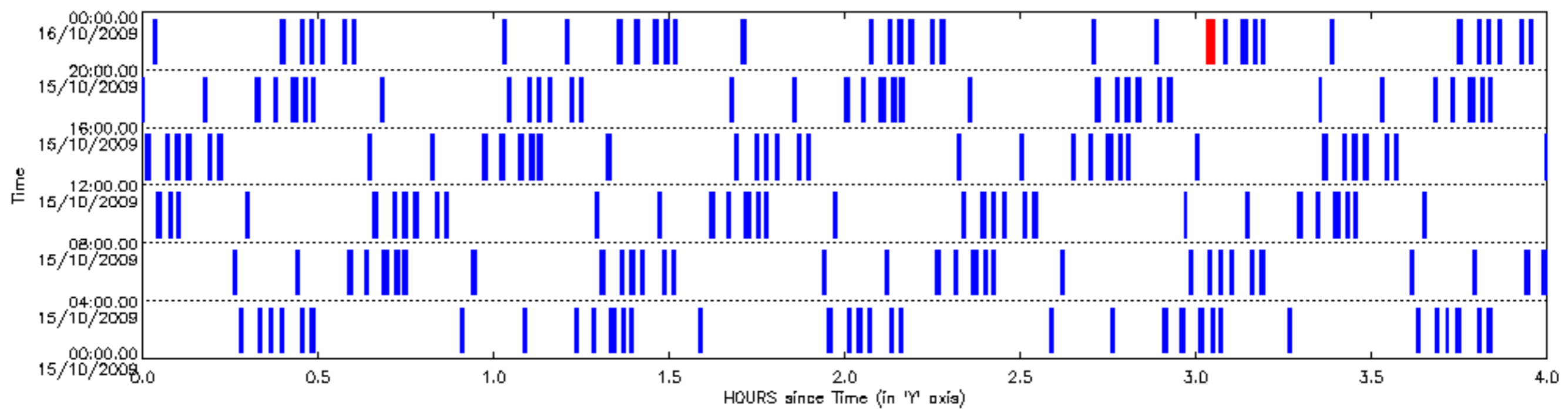
Lower curve: STD of SATU X axis

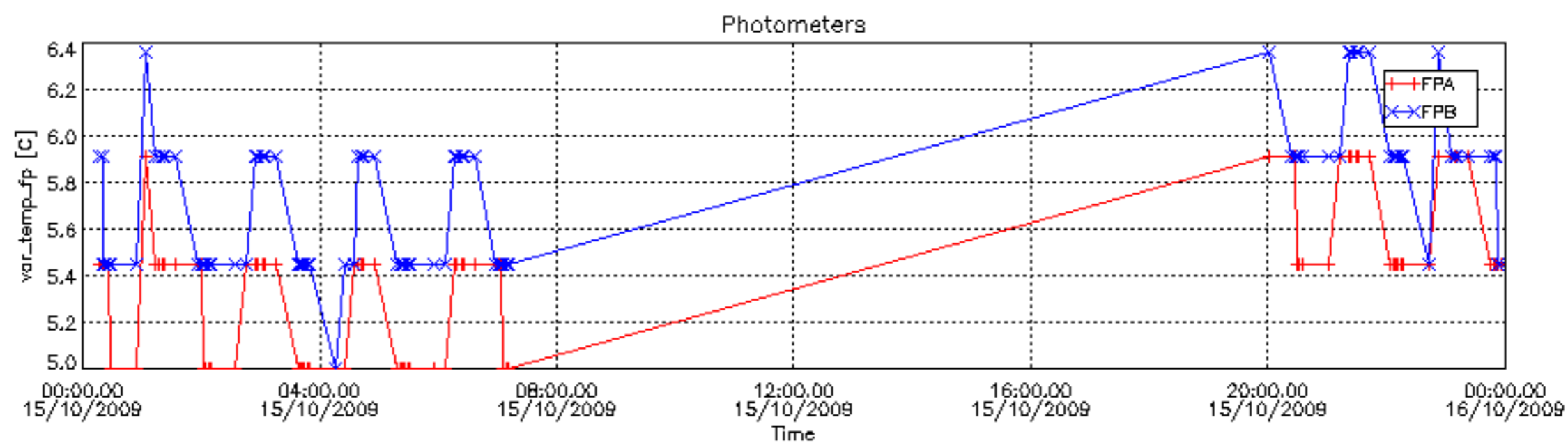
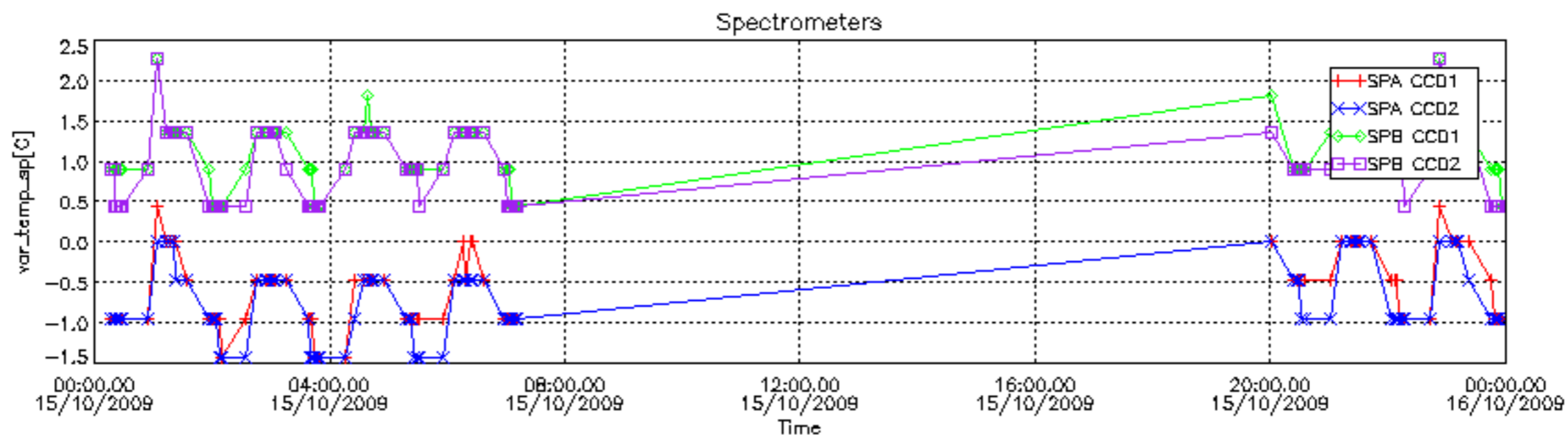


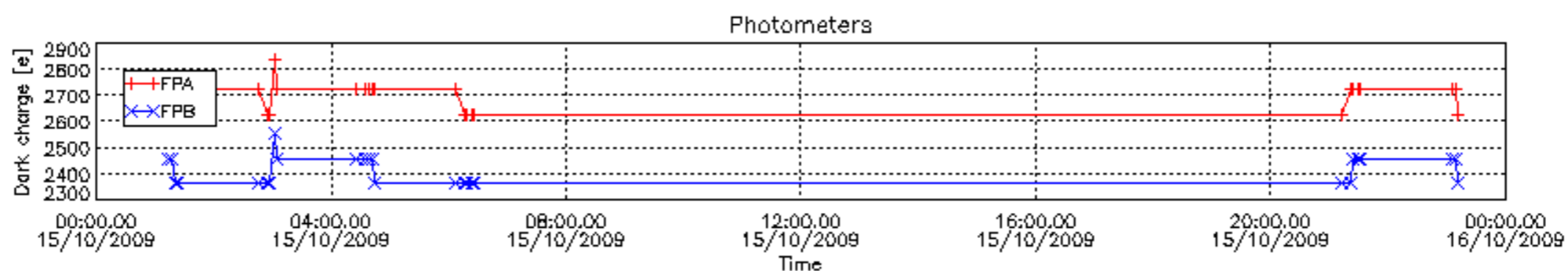
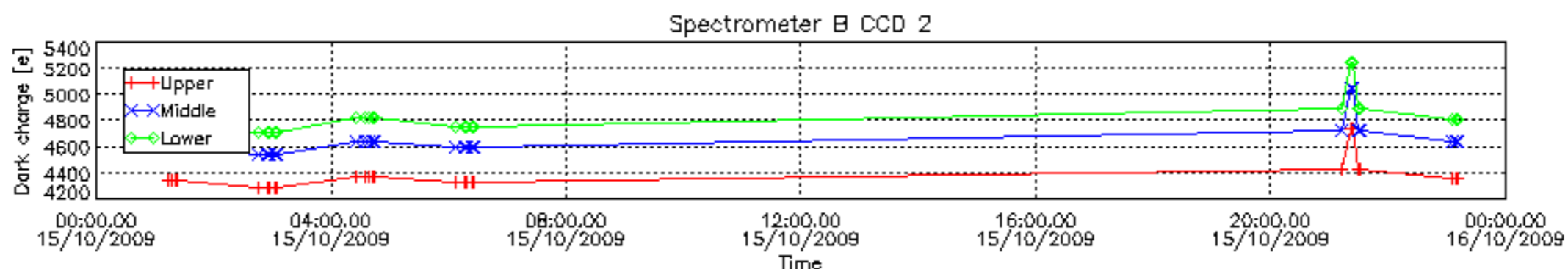
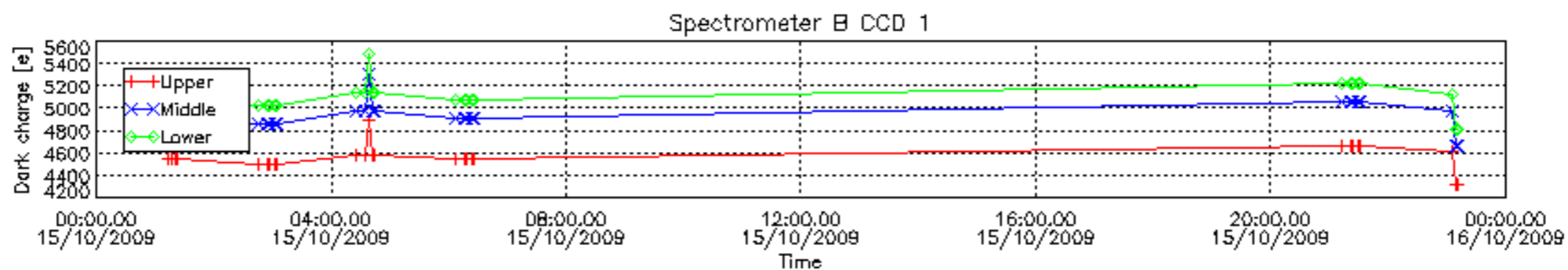
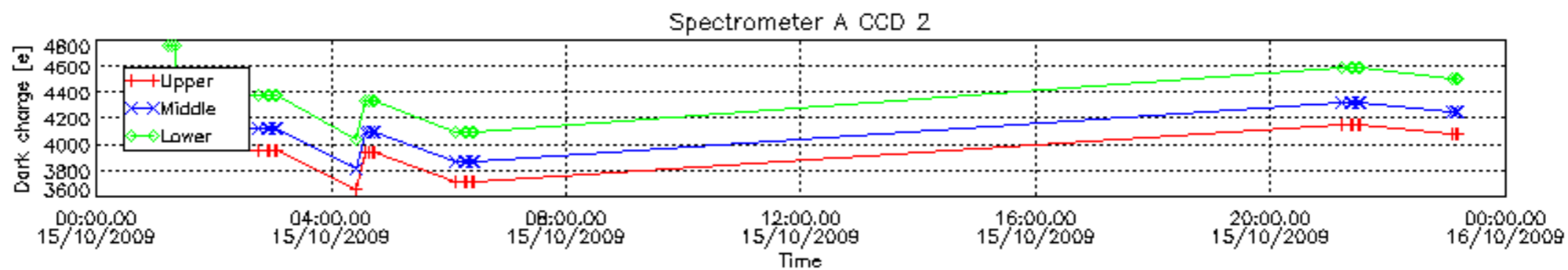
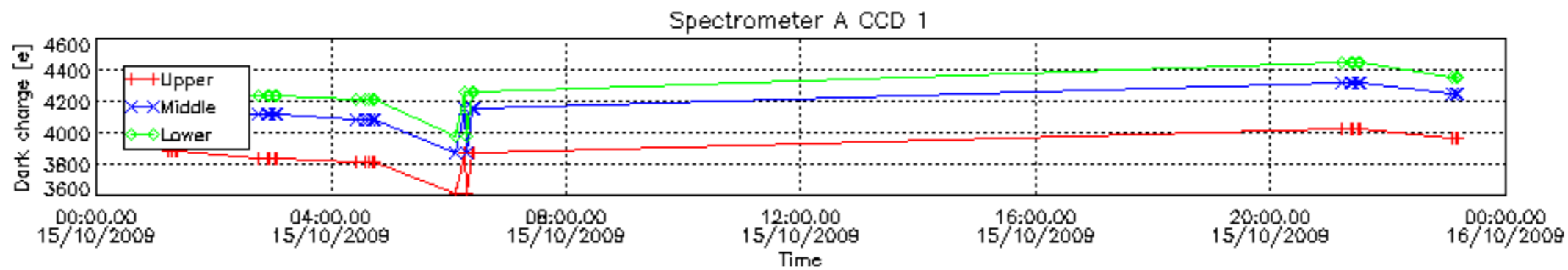
### 8. Auxiliary Data Files used for the production reported in section 2.4

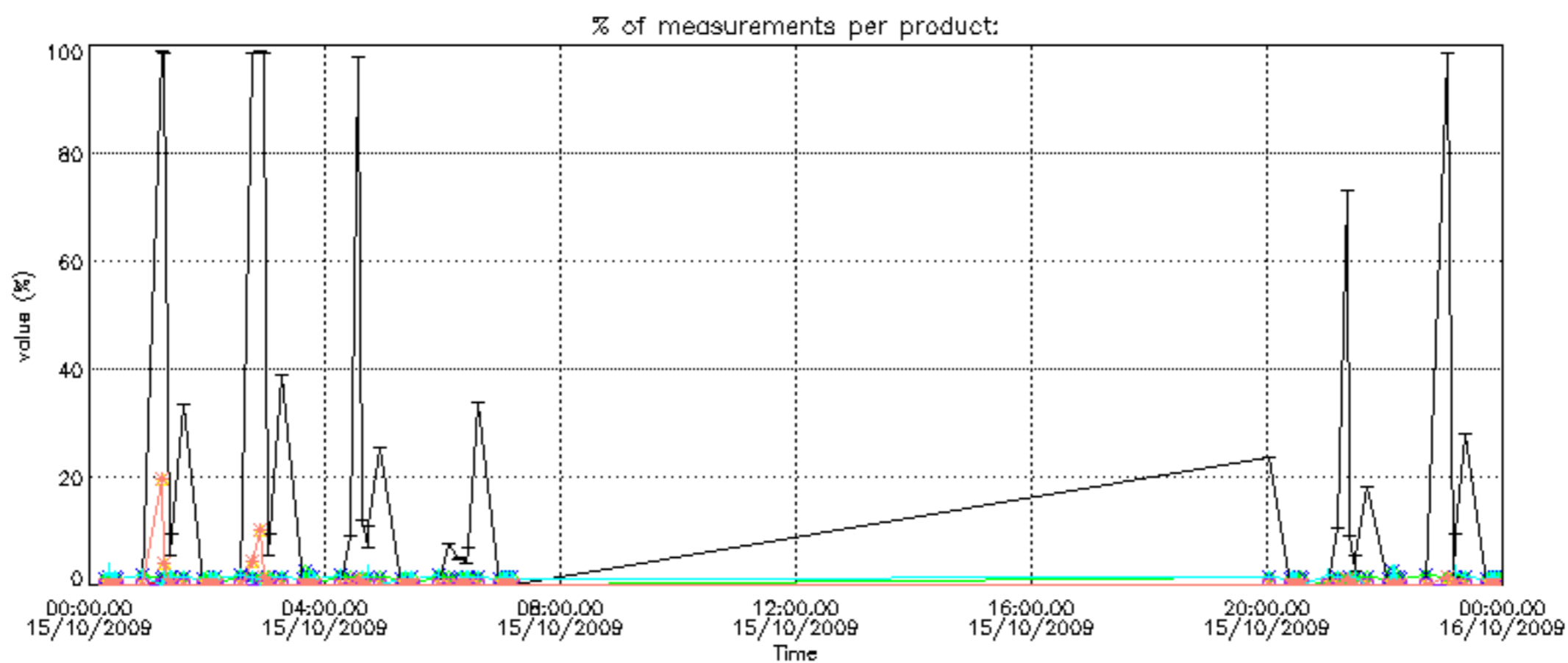
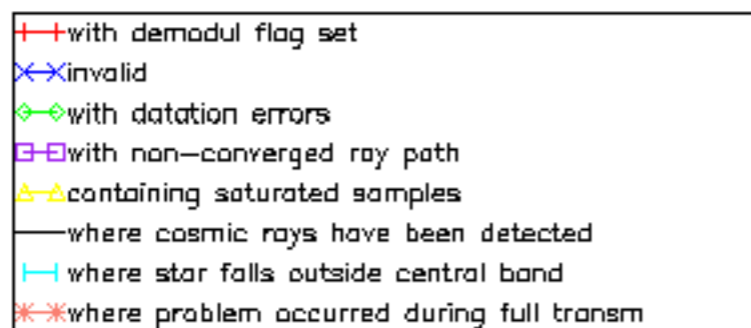
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	15-OCT-2009 00:16:24
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091013_072825_20091011_000000_20100101_000000	1	15-OCT-2009 00:16:24
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	15-OCT-2009 00:16:24
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	15-OCT-2009 00:16:24
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	15-OCT-2009 00:16:24
ECMWF_FILE	AUX_ECF_AXNECM20091014_162813_20091014_210000_20091015_090000	1	15-OCT-2009 00:16:24
ECMWF_FILE	AUX_ECF_AXNECM20091014_182809_20091015_030000_20091015_150000	33	15-OCT-2009 04:15:31
ECMWF_FILE	AUX_ECA_AXNECM20091015_062111_20091014_210000_20091015_090000	46	15-OCT-2009 05:56:08
ECMWF_FILE	AUX_ECF_AXNECM20091015_062112_20091015_150000_20091016_030000	59	15-OCT-2009 20:01:44
ECMWF_FILE	AUX_ECF_AXNECM20091015_062113_20091015_210000_20091016_090000	67	15-OCT-2009 21:12:13
OPTIONAL_ECMWF_FILE	MISSING	1	15-OCT-2009 00:16:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091014_232427_000057382083_00230_39863_8967.N1	1	15-OCT-2009 00:16:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091015_010005_000047822083_00231_39864_8968.N1	8	15-OCT-2009 01:04:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091015_022506_000051012083_00232_39865_8969.N1	20	15-OCT-2009 02:34:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091015_035525_000057382083_00233_39866_8970.N1	33	15-OCT-2009 04:15:31
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091015_010110_20091014_101220_20091023_185235	46	15-OCT-2009 05:56:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091015_195706_000038252083_00243_39876_8972.N1	59	15-OCT-2009 20:01:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091015_210052_000063762083_00243_39876_8973.N1	67	15-OCT-2009 21:12:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091015_225226_000057382083_00244_39877_8974.N1	80	15-OCT-2009 22:52:50



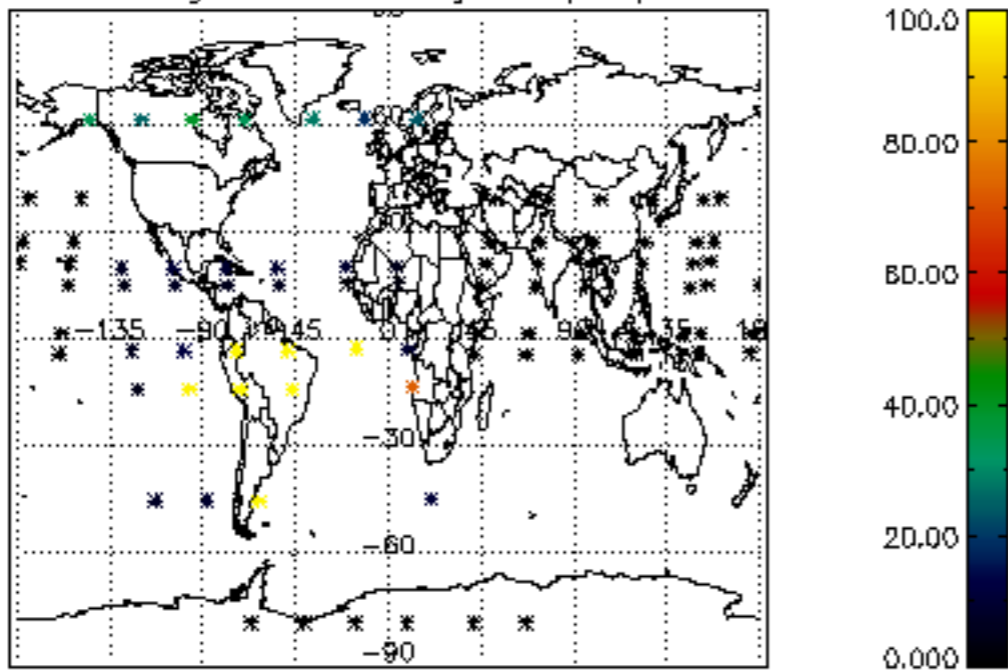




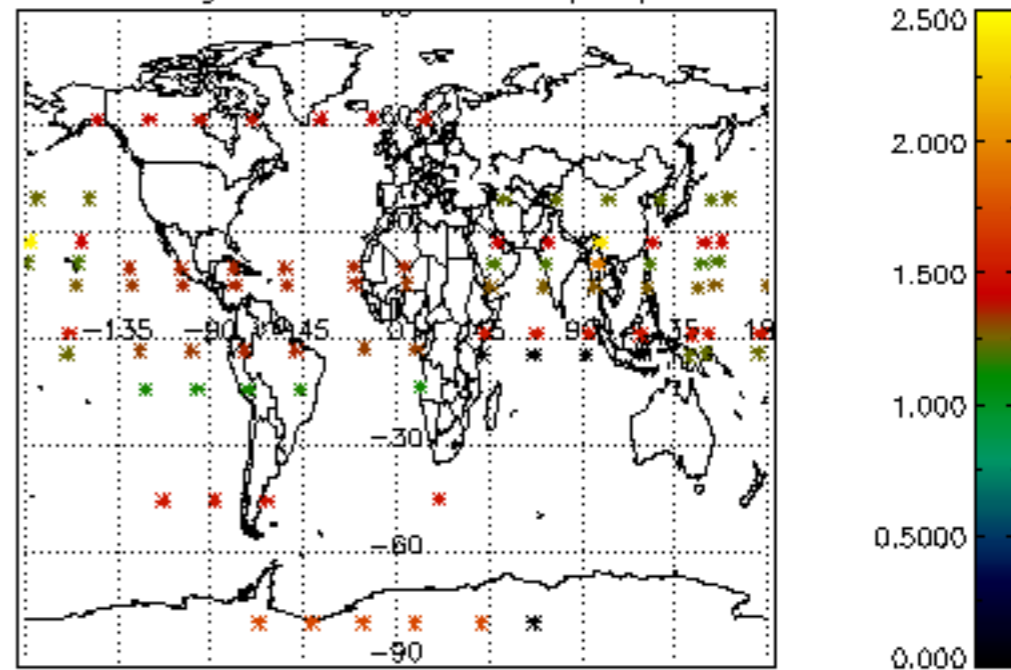




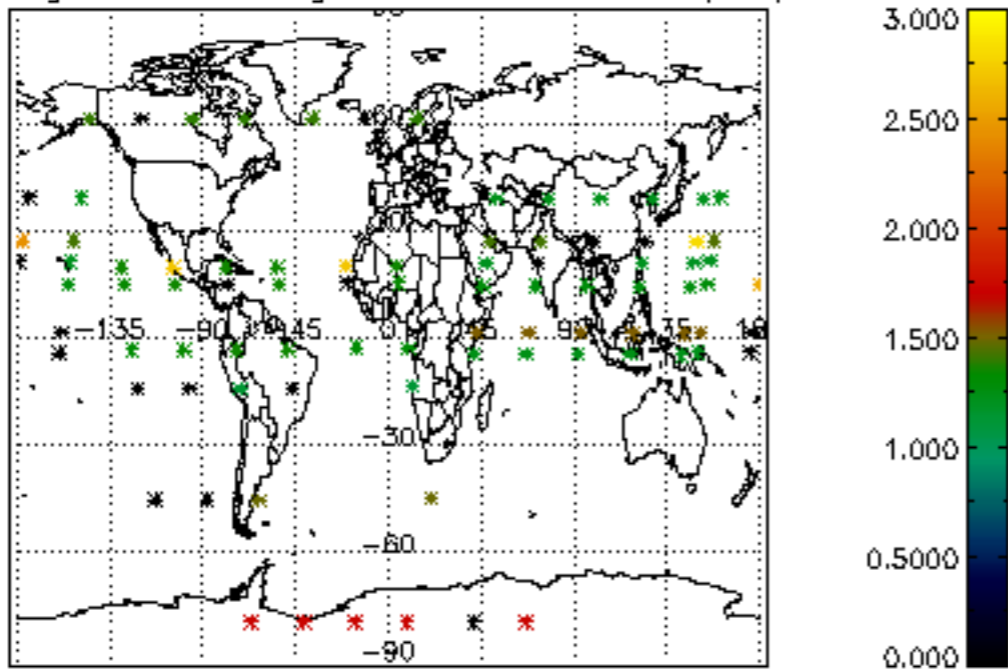
Percentage of cosmic ray hits per profile



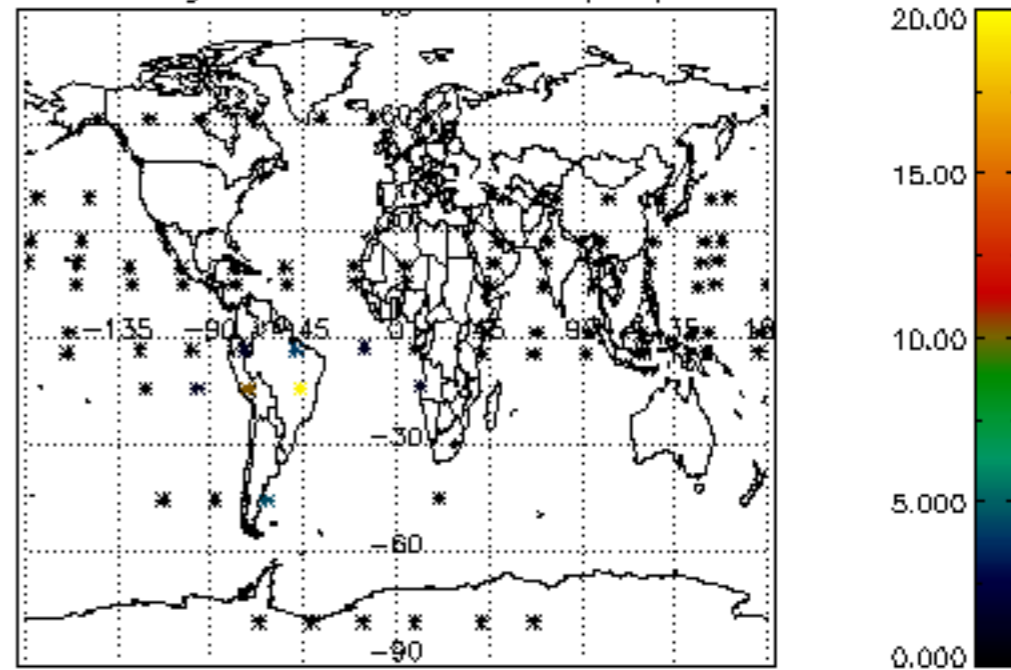
Percentage of datation errors per profile



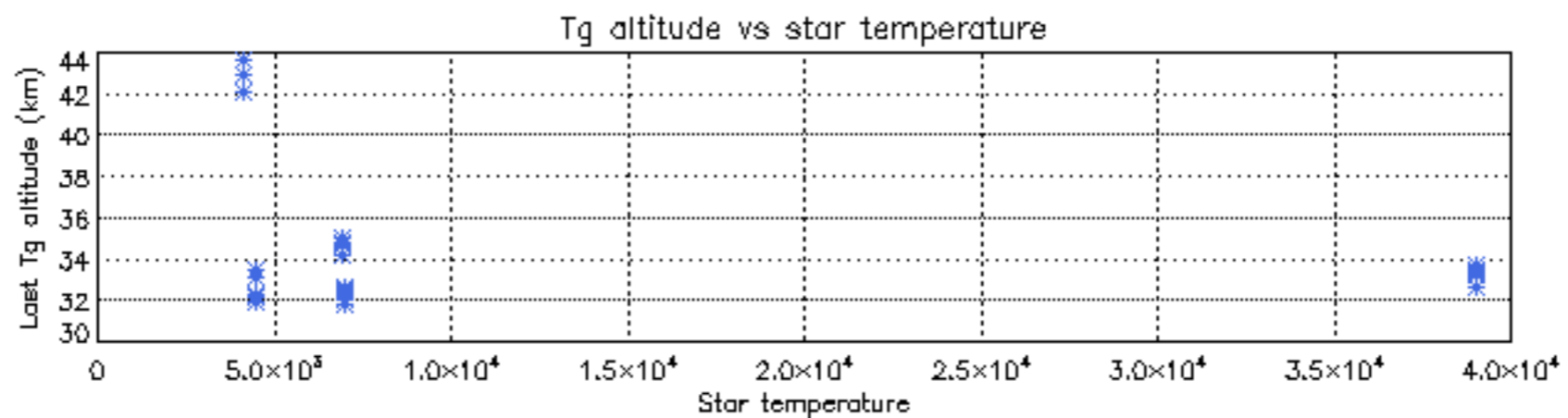
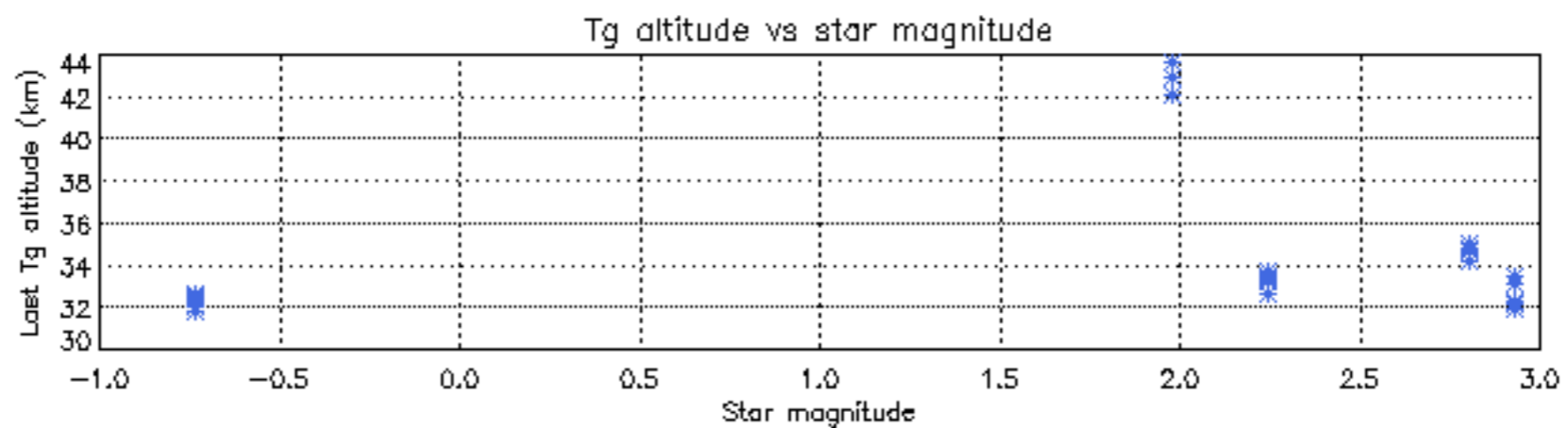
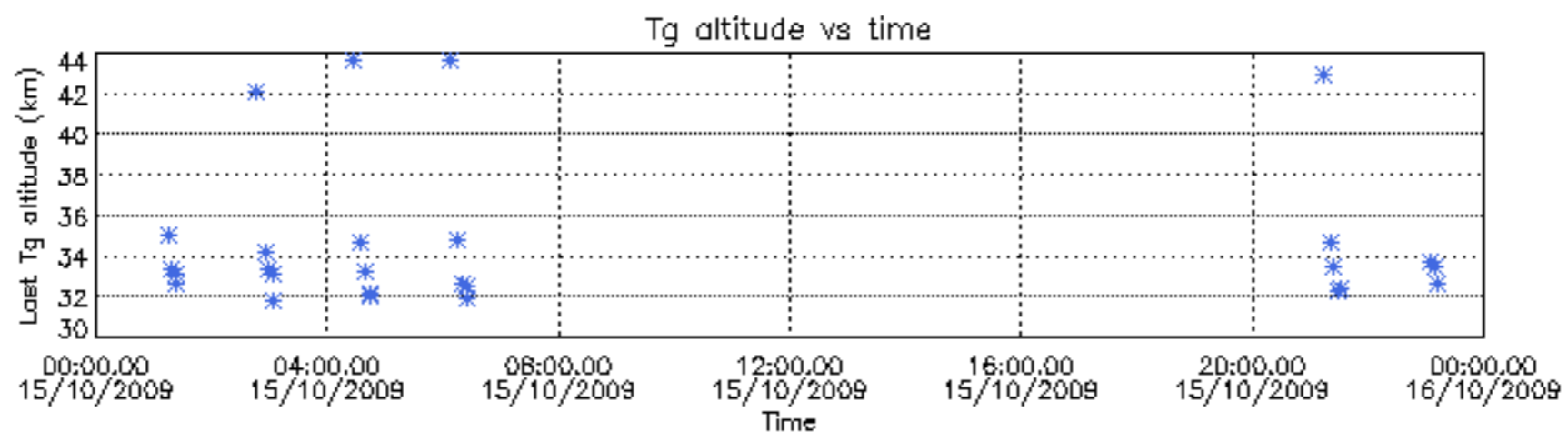
Percentage of star falling outside central band per profile



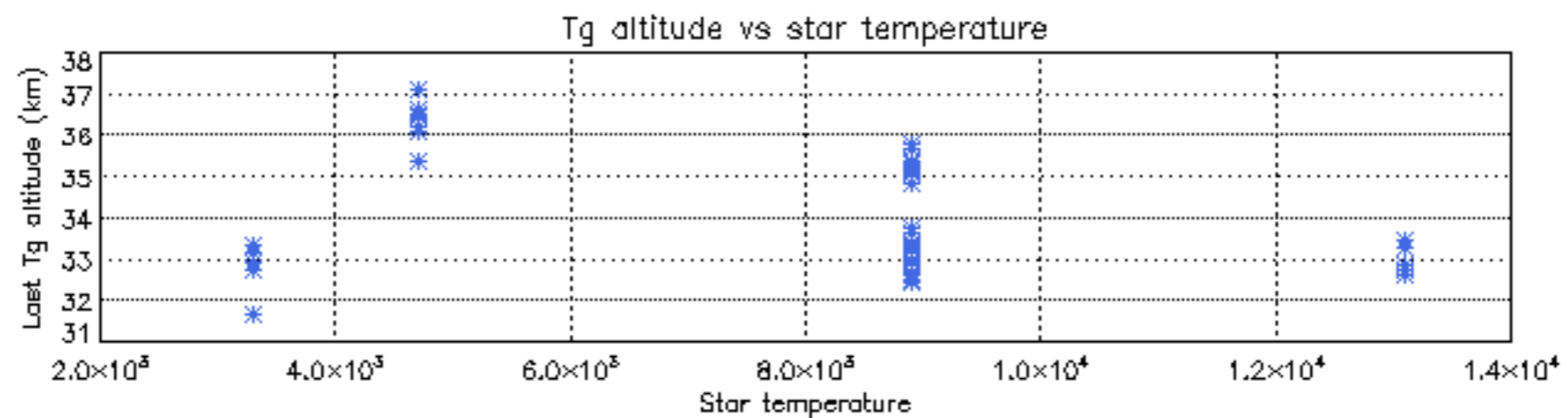
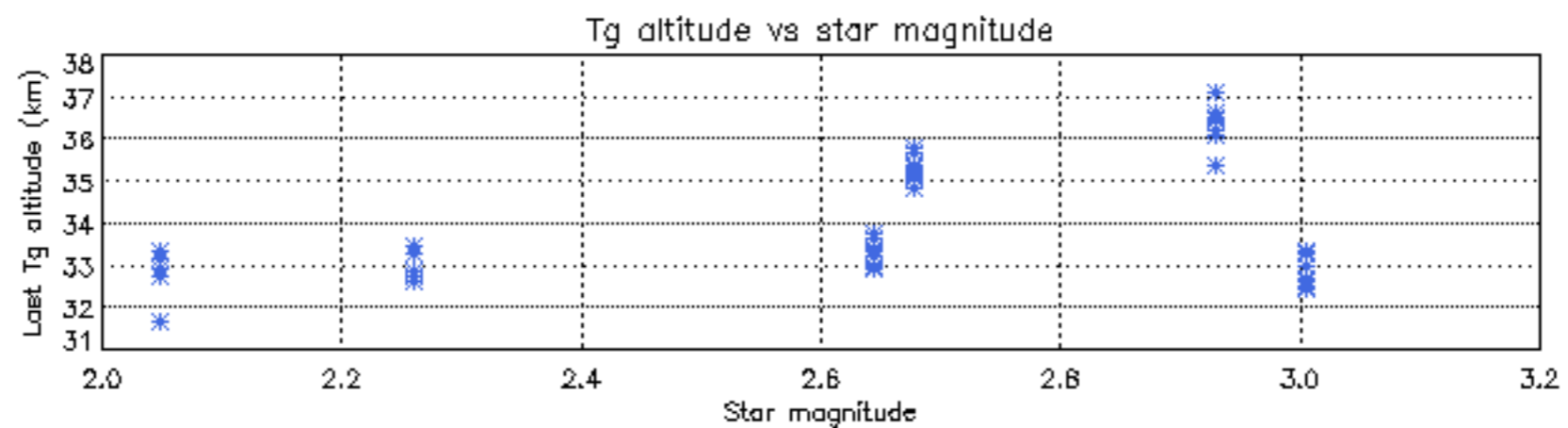
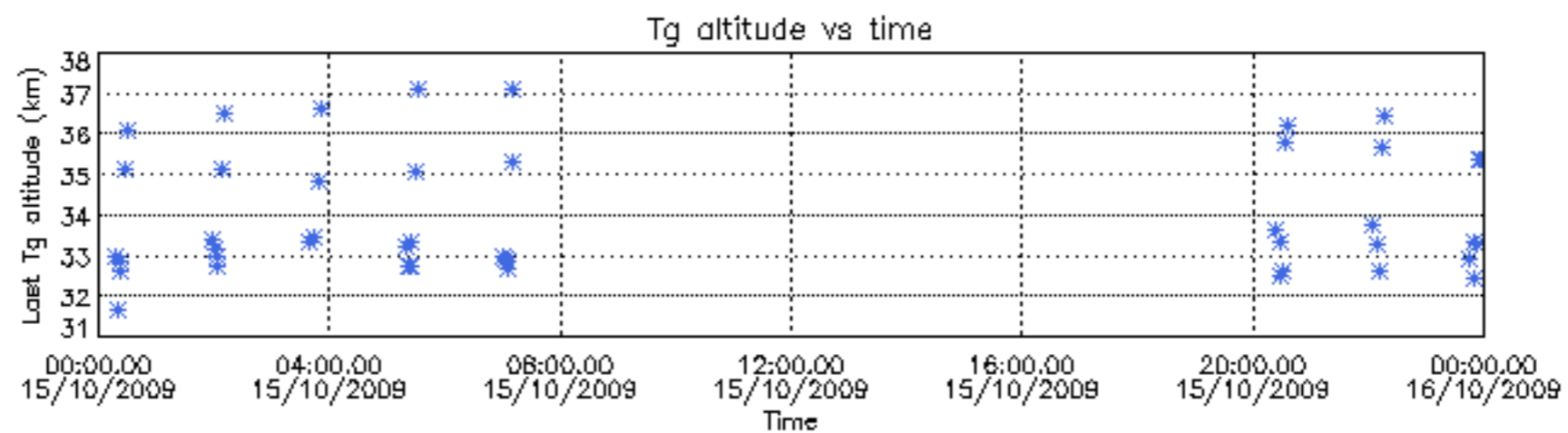
Percentage of saturation errors per profile

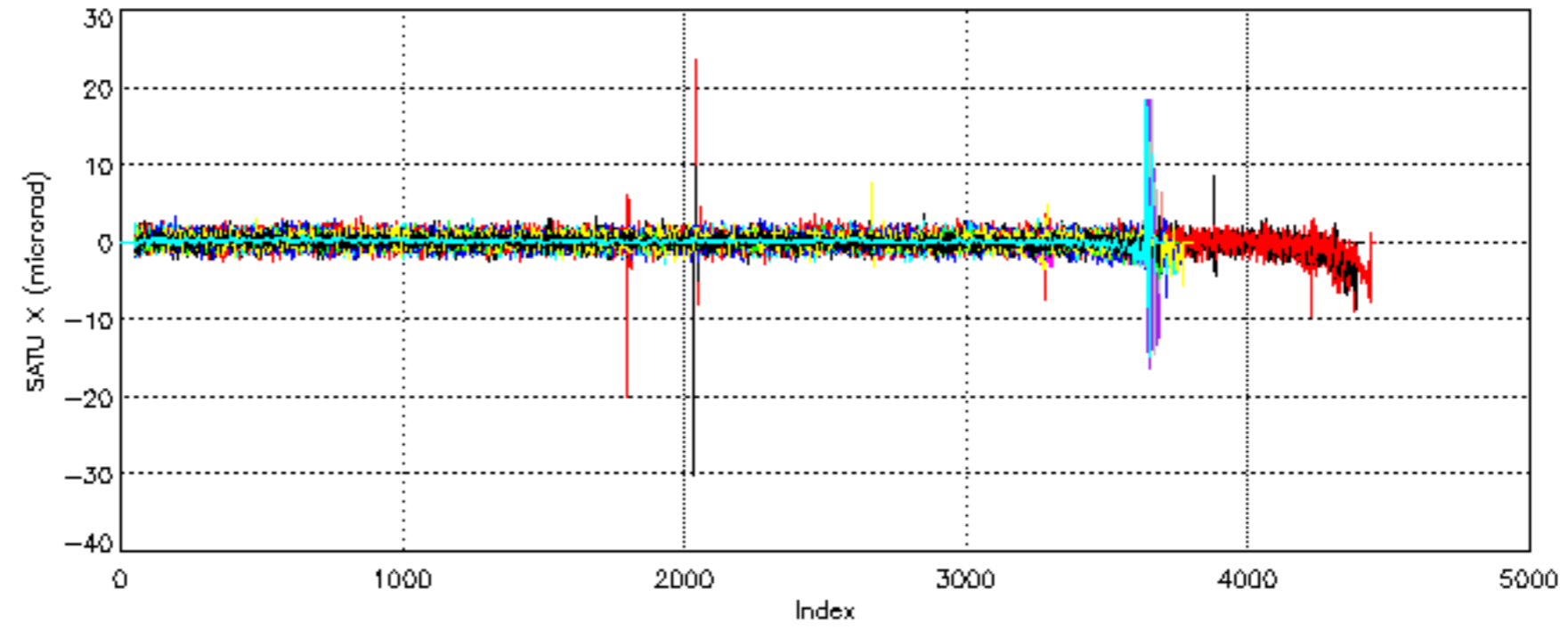


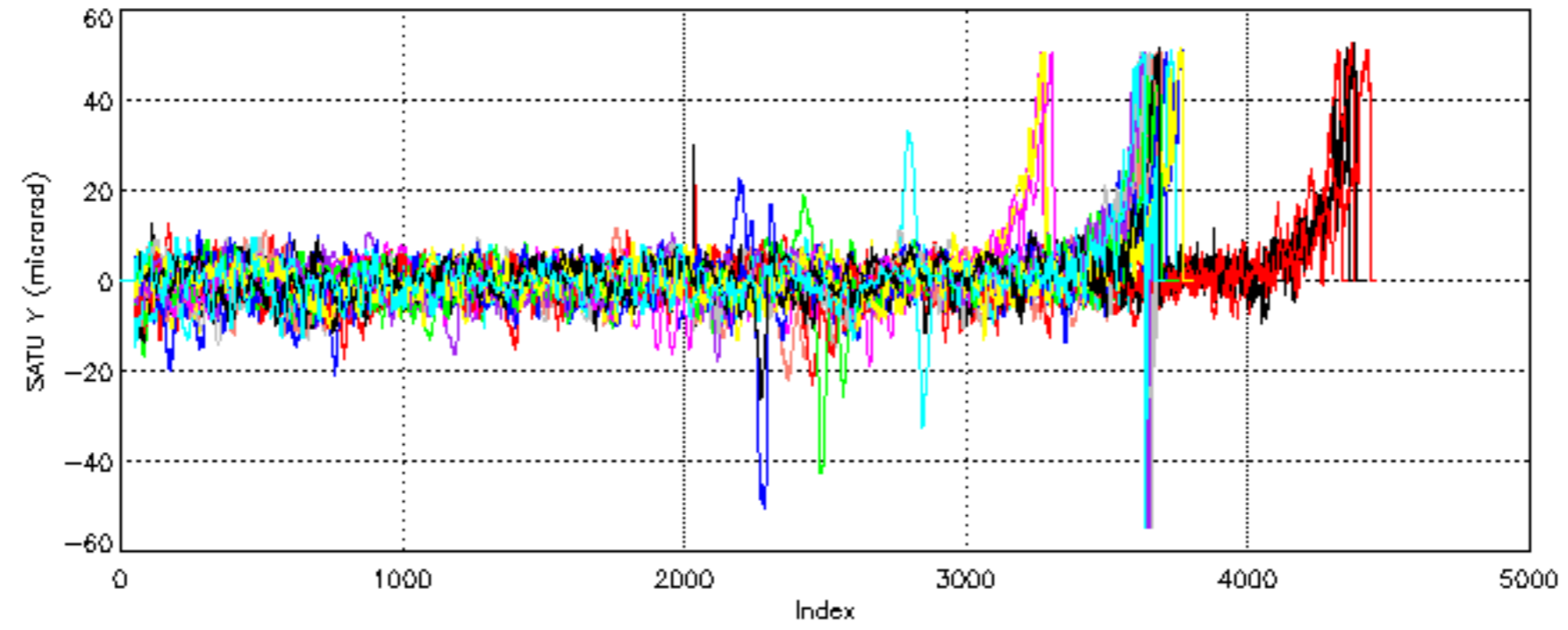
Tangent altitude at which the star is lost

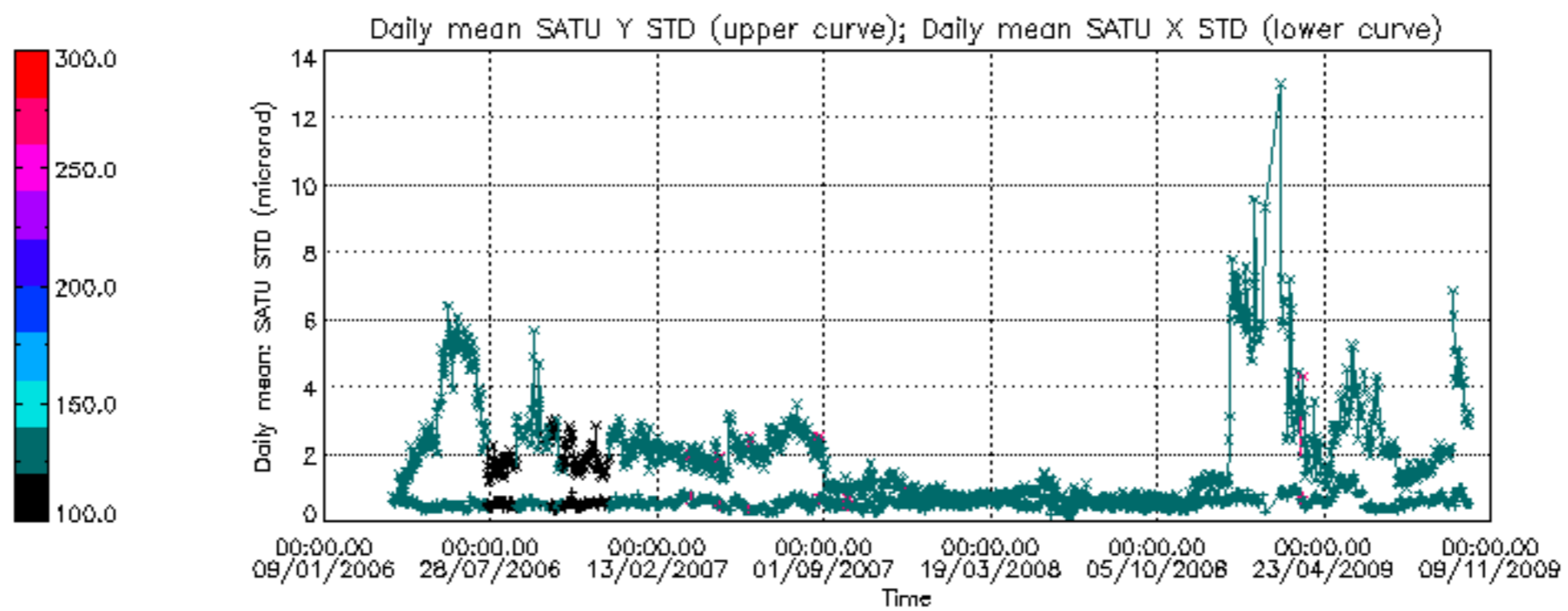


Tangent altitude at which the star is lost









```
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091001_000952_000050872083_00030_39663_8658.N1
1; -449.6; 01-OCT-2009 00:09:52; Dark ; 35.5; 132; 15Rho Pup ; 2.80; 6900;occ; 71; 0;39663
2; -232.4; 01-OCT-2009 00:13:29; Dark ; 40.0; 88; 31Eta CMA ; 2.45; 20000;occ; 80; 0;39663
3; -128.1; 01-OCT-2009 00:15:14; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;39663
4; 97.3; 01-OCT-2009 00:18:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39664
5; 305.4; 01-OCT-2009 00:22:27; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;39664
6; 915.5; 01-OCT-2009 00:32:37; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;39664
7; 1557.3; 01-OCT-2009 00:43:19; Dark ; 34.0; 52; 16Bet Cet ; 2.04; 4500;occ; 68; 0;39664
8; 2184.9; 01-OCT-2009 00:53:47; Bright; 35.0; 140; 88Gam Peg ; 2.83; 26000;occ; 70; 0;39664
9; 2434.7; 01-OCT-2009 00:57:57; Bright; 35.0; 58; 21Alp And ; 2.07; 11000;occ; 70; 0;39664
10; 2659.8; 01-OCT-2009 01:01:42; Bright; 41.5; 53; 43Bet And ; 2.05; 3300;occ; 83; 0;39664
11; 2945.5; 01-OCT-2009 01:06:27; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;39664
12; 3031.5; 01-OCT-2009 01:07:53; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;39664
13; 4601.5; 01-OCT-2009 01:34:03; Bright; 36.5; 17; 78Bet Gem ; 1.16; 4500;occ; 73; 0;39664
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091001_015029_000035132083_00031_39664_8659.N1
1; -448.7; 01-OCT-2009 01:50:29; Dark ; 35.5; 132; 15Rho Pup ; 2.80; 6900;occ; 71; 0;39664
2; -231.2; 01-OCT-2009 01:54:07; Dark ; 40.0; 88; 31Eta CMA ; 2.45; 20000;occ; 80; 0;39664
3; -126.7; 01-OCT-2009 01:55:51; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;39664
4; 98.5; 01-OCT-2009 01:59:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39665
5; 306.9; 01-OCT-2009 02:03:05; Dark ; 52.0; 108; Alp Col ; 2.65; 15200;occ; 104; 0;39665
6; 915.7; 01-OCT-2009 02:13:14; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;39665
7; 1557.1; 01-OCT-2009 02:23:55; Dark ; 34.5; 52; 16Bet Cet ; 2.04; 4500;occ; 69; 0;39665
8; 2184.6; 01-OCT-2009 02:34:22; Bright; 35.0; 140; 88Gam Peg ; 2.83; 26000;occ; 70; 0;39665
9; 2434.7; 01-OCT-2009 02:38:32; Bright; 34.5; 58; 21Alp And ; 2.07; 11000;occ; 69; 0;39665
10; 2659.2; 01-OCT-2009 02:42:17; Bright; 41.5; 53; 43Bet And ; 2.05; 3300;occ; 83; 0;39665
11; 2945.0; 01-OCT-2009 02:47:03; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;39665
12; 3031.4; 01-OCT-2009 02:48:29; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;39665
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091001_031440_000044982083_00032_39665_8660.N1
1; -1434.0; 01-OCT-2009 03:14:40; Bright; 36.5; 17; 78Bet Gem ; 1.16; 4500;occ; 73; 0;39665
2; -447.9; 01-OCT-2009 03:31:06; Dark ; 35.5; 132; 15Rho Pup ; 2.80; 6900;occ; 71; 0;39665
3; -230.0; 01-OCT-2009 03:34:44; Dark ; 40.0; 88; 31Eta CMA ; 2.45; 20000;occ; 80; 0;39665
4; -125.6; 01-OCT-2009 03:36:28; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;39665
5; 99.7; 01-OCT-2009 03:40:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39666
6; 917.1; 01-OCT-2009 03:53:51; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;39666
7; 1557.3; 01-OCT-2009 04:04:31; Dark ; 34.5; 52; 16Bet Cet ; 2.04; 4500;occ; 69; 0;39666
8; 2184.5; 01-OCT-2009 04:14:58; Bright; 35.0; 140; 88Gam Peg ; 2.83; 26000;occ; 70; 0;39666
9; 2434.3; 01-OCT-2009 04:19:08; Bright; 34.5; 58; 21Alp And ; 2.07; 11000;occ; 69; 0;39666
10; 2658.5; 01-OCT-2009 04:22:52; Bright; 41.5; 53; 43Bet And ; 2.05; 3300;occ; 83; 0;39666
11; 2944.9; 01-OCT-2009 04:27:39; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;39666
12; 3031.0; 01-OCT-2009 04:29:05; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;39666
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1; -1433.6; 01-OCT-2009 04:55:16; Bright; 36.5; 17; 78Bet Gem ; 1.16; 4500;occ; 73; 0;39666
2; -447.2; 01-OCT-2009 05:11:43; Dark ; 36.0; 132; 15Rho Pup ; 2.80; 6900;occ; 72; 0;39666
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6; 262.8; 16-OCT-2009 05:52:17; Dark ; 37.0; 161; Tau Pup ; 2.93; 4500;occ; 74; 0;39882  
7; 342.8; 16-OCT-2009 05:53:37; Dark ; 37.5; 2; Alp Car ;-0.74; 7000;occ; 75; 0;39882  
8; 1047.8; 16-OCT-2009 06:05:22; Dark ; 35.5; 157; The1Eri ; 2.91; 9300;occ; 71; 0;39882  
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11; 2648.5; 16-OCT-2009 06:32:03; Bright; 41.0; 173; 4Bet Tri ; 3.00; 8900;occ; 82; 0;39882  
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13; 2985.0; 16-OCT-2009 06:37:40; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;39882  
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7; 343.7; 16-OCT-2009 07:34:14; Dark ; 37.0; 2; Alp Car ;-0.74; 7000;occ; 74; 0;39883  
8; 1048.5; 16-OCT-2009 07:45:59; Dark ; 35.0; 157; The1Eri ; 2.91; 9300;occ; 70; 0;39883  
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5; 2984.7; 16-OCT-2009 08:18:15; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;39883  
6; 3076.7; 16-OCT-2009 08:19:47; Bright; 40.0; 160; 23Gam Per ; 2.93; 4700;occ; 80; 0;39883  
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8; 5279.5; 16-OCT-2009 08:56:30; Dark ; 33.5; 48; 30Alp Hya ; 1.98; 4100;occ; 67; 0;39883  
9; 5818.6; 16-OCT-2009 09:05:29; Dark ; 45.0; 132; 15Rho Pup ; 2.80; 6900;occ; 90; 0;39883  
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12; 6300.3; 16-OCT-2009 09:13:31; Dark ; 37.5; 161; Tau Pup ; 2.93; 4500;occ; 75; 0;39883  
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14; 7084.6; 16-OCT-2009 09:26:35; Dark ; 35.0; 157; The1Eri ; 2.91; 9300;occ; 70; 0;39883  
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3; 2646.8; 16-OCT-2009 09:53:13; Bright; 41.0; 173; 4Bet Tri ; 3.00; 8900;occ; 82; 0;39884  
4; 2759.3; 16-OCT-2009 09:55:06; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;39884  
5; 2984.5; 16-OCT-2009 09:58:51; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;39884  
6; 3076.0; 16-OCT-2009 10:00:22; Bright; 40.0; 160; 23Gam Per ; 2.93; 4700;occ; 80; 0;39884  
7; 4636.5; 16-OCT-2009 10:26:23; Bright; 29.5; 166; 17Eps Leo ; 2.98; 6000;occ; 59; 0;39884  
8; 4833.5; 16-OCT-2009 10:29:40; Bright; 28.0; 22; 32Alp Leo ; 1.36; 15200;occ; 56; 0;39884  
9; 5280.0; 16-OCT-2009 10:37:06; Dark ; 33.5; 48; 30Alp Hya ; 1.98; 4100;occ; 67; 0;39884  
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11; 5995.1; 16-OCT-2009 10:49:02; Dark ; 38.0; 70; Zet Pup ; 2.25; 39000;occ; 76; 0;39884  
12; 6176.6; 16-OCT-2009 10:52:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39884  
13; 6301.2; 16-OCT-2009 10:54:08; Dark ; 37.5; 161; Tau Pup ; 2.93; 4500;occ; 75; 0;39884  
14; 6381.1; 16-OCT-2009 10:55:28; Dark ; 37.5; 2; Alp Car ;-0.74; 7000;occ; 75; 0;39884  
15; 7085.3; 16-OCT-2009 11:07:12; Dark ; 35.0; 157; The1Eri ; 2.91; 9300;occ; 70; 0;39884

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3; 2646.1; 16-OCT-2009 11:33:49; Bright; 41.0; 173; 4Bet Tri ; 3.00; 8900;occ; 82; 0;39885  
4; 2758.4; 16-OCT-2009 11:35:41; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;39885  
5; 2984.4; 16-OCT-2009 11:39:27; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;39885  
6; 3075.0; 16-OCT-2009 11:40:57; Bright; 40.5; 160; 23Gam Per ; 2.93; 4700;occ; 81; 0;39885  
7; 4636.9; 16-OCT-2009 12:06:59; Bright; 29.5; 166; 17Eps Leo ; 2.98; 6000;occ; 59; 0;39885  
8; 4834.1; 16-OCT-2009 12:10:17; Bright; 28.0; 22; 32Alp Leo ; 1.36; 15200;occ; 56; 0;39885  
9; 5280.9; 16-OCT-2009 12:17:43; Dark ; 33.5; 48; 30Alp Hya ; 1.98; 4100;occ; 67; 0;39885  
10; 5821.3; 16-OCT-2009 12:26:44; Dark ; 45.0; 132; 15Rho Pup ; 2.80; 6900;occ; 90; 0;39885  
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12; 6177.5; 16-OCT-2009 12:32:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39885  
13; 6301.8; 16-OCT-2009 12:34:44; Dark ; 37.5; 161; Tau Pup ; 2.93; 4500;occ; 75; 0;39885  
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3; 2645.5; 16-OCT-2009 13:14:24; Bright; 41.0; 173; 4Bet Tri ; 3.00; 8900;occ; 82; 0;39886  
4; 2757.8; 16-OCT-2009 13:16:16; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;39886  
5; 2984.2; 16-OCT-2009 13:20:03; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;39886  
6; 3074.4; 16-OCT-2009 13:21:33; Bright; 40.0; 160; 23Gam Per ; 2.93; 4700;occ; 80; 0;39886  
7; 4637.2; 16-OCT-2009 13:47:35; Bright; 29.0; 166; 17Eps Leo ; 2.98; 6000;occ; 58; 0;39886  
8; 4834.2; 16-OCT-2009 13:50:52; Bright; 28.0; 22; 32Alp Leo ; 1.36; 15200;occ; 56; 0;39886  
9; 5281.7; 16-OCT-2009 13:58:20; Dark ; 33.5; 48; 30Alp Hya ; 1.98; 4100;occ; 67; 0;39886  
10; 5822.7; 16-OCT-2009 14:07:21; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;39886  
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13; 6302.9; 16-OCT-2009 14:15:21; Dark ; 37.5; 161; Tau Pup ; 2.93; 4500;occ; 75; 0;39886  
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5; 2983.7; 16-OCT-2009 15:00:38; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;39887  
6; 3073.8; 16-OCT-2009 15:02:08; Bright; 40.0; 160; 23Gam Per ; 2.93; 4700;occ; 80; 0;39887  
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8; 4834.8; 16-OCT-2009 15:31:29; Bright; 28.0; 22; 32Alp Leo ; 1.36; 15200;occ; 56; 0;39887  
9; 5282.0; 16-OCT-2009 15:38:56; Dark ; 34.0; 48; 30Alp Hya ; 1.98; 4100;occ; 68; 0;39887  
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12; 6179.4; 16-OCT-2009 15:53:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39887  
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6; 3073.0; 16-OCT-2009 16:42:43; Bright; 40.0; 160; 23Gam Per ; 2.93; 4700;occ; 80; 0;39888  
7; 4637.6; 16-OCT-2009 17:08:48; Bright; 29.5; 166; 17Eps Leo ; 2.98; 6000;occ; 59; 0;39888  
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14; 6384.6; 16-OCT-2009 17:37:55; Dark ; 37.5; 2; Alp Car ; -0.74; 7000;occ; 75; 0;39888  
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6; 2983.2; 16-OCT-2009 18:21:49; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;39889
7; 3072.2; 16-OCT-2009 18:23:18; Bright; 40.0; 160; 23Gam Per ; 2.93; 4700;occ; 80; 0;39889
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9; 4835.1; 16-OCT-2009 18:52:41; Bright; 28.5; 22; 32Alp Leo ; 1.36; 15200;occ; 57; 0;39889
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14; 6305.4; 16-OCT-2009 19:17:12; Dark ; 37.5; 161; Tau Pup ; 2.93; 4500;occ; 75; 0;39889
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1; -670.1; 23-OCT-2009 17:00:49; Dark ; 58.5; 48; 30Alp Hya ; 1.98; 4100;occ; 117; 0;39988  
2; 236.0; 23-OCT-2009 17:15:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39989  
3; 430.0; 23-OCT-2009 17:19:09; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;39989  
4; 1096.9; 23-OCT-2009 17:30:16; Dark ; 43.0; 157; The1Eri ; 2.91; 9300;occ; 86; 0;39989

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091023\_173045\_000012172083\_00356\_39989\_5333.N1  
1; 1125.9; 23-OCT-2009 17:30:45; Dark ; 43.5; 157; The1Eri ; 2.91; 9300;occ; 87; 58;39989  
2; 2301.9; 23-OCT-2009 17:50:21; Bright; 41.5; 105; 6Bet Ari ; 2.64; 8900;occ; 83; 0;39989

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091023\_203709\_000002152083\_00358\_39991\_5334.N1  
1; 237.9; 23-OCT-2009 20:37:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39991  
2; 431.8; 23-OCT-2009 20:40:23; Dark ; 22.0; 2; Alp Car ; -0.74; 7000;occ; 44; 0;39991

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091024\_011210\_000002712083\_00360\_39993\_8808.N1  
1;-1368.4; 24-OCT-2009 01:12:10; Bright; 48.5; 166; 17Eps Leo ; 2.98; 6000;occ; 97; 0;39993  
2;-1159.0; 24-OCT-2009 01:15:40; Bright; 62.5; 22; 32Alp Leo ; 1.36; 15200;occ; 125; 0;39993

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091024\_021802\_000001602083\_00361\_39994\_8809.N1  
1; 2582.8; 24-OCT-2009 02:18:02; Bright; 42.5; 173; 4Bet Tri ; 3.00; 8900;occ; 85; 0;39994  
2; 2701.4; 24-OCT-2009 02:20:00; Bright; 42.0; 73; 57Gam1And ; 2.26; 13100;occ; 84; 0;39994

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091024\_035355\_000004442083\_00362\_39995\_8810.N1  
1; 2300.1; 24-OCT-2009 03:53:55; Bright; 43.5; 105; 6Bet Ari ; 2.64; 8900;occ; 87; 0;39995  
2; 2582.5; 24-OCT-2009 03:58:37; Bright; 39.5; 173; 4Bet Tri ; 3.00; 8900;occ; 79; 0;39995  
3; 2701.3; 24-OCT-2009 04:00:36; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;39995

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091024\_203950\_000004432083\_00372\_40005\_8811.N1  
1; 2296.1; 24-OCT-2009 20:39:50; Bright; 32.0; 105; 6Bet Ari ; 2.64; 8900;occ; 64; 0;40005  
2; 2577.6; 24-OCT-2009 20:44:32; Bright; 43.0; 173; 4Bet Tri ; 3.00; 8900;occ; 86; 0;40005  
3; 2696.7; 24-OCT-2009 20:46:31; Bright; 42.5; 73; 57Gam1And ; 2.26; 13100;occ; 85; 0;40005

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091024\_222027\_000004092083\_00373\_40006\_8812.N1  
1; 2296.4; 24-OCT-2009 22:20:27; Bright; 7.5; 105; 6Bet Ari ; 2.64; 8900;occ; 15; 0;40006  
2; 2578.6; 24-OCT-2009 22:25:09; Bright; 7.5; 173; 4Bet Tri ; 3.00; 8900;occ; 15; 0;40006  
3; 2696.6; 24-OCT-2009 22:27:07; Bright; 9.0; 73; 57Gam1And ; 2.26; 13100;occ; 18; 0;40006

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091024\_232659\_000024472083\_00374\_40007\_8813.N1  
1; 252.9; 24-OCT-2009 23:26:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40007  
2; 444.5; 24-OCT-2009 23:30:10; Dark ; 2.5; 2; Alp Car ; -0.74; 7000;occ; 5; 0;40007  
3; 2296.2; 25-OCT-2009 00:01:02; Bright; 4.5; 105; 6Bet Ari ; 2.64; 8900;occ; 9; 0;40007  
4; 2577.2; 25-OCT-2009 00:05:43; Bright; 4.5; 173; 4Bet Tri ; 3.00; 8900;occ; 9; 0;40007  
5; 2696.3; 25-OCT-2009 00:07:42; Bright; 4.0; 73; 57Gam1And ; 2.26; 13100;occ; 8; 0;40007

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091024\_135728\_000004402083\_00368\_40001\_5335.N1  
1; 2297.9; 24-OCT-2009 13:57:28; Bright; 39.5; 105; 6Bet Ari ; 2.64; 8900;occ; 79; 0;40001  
2; 2579.9; 24-OCT-2009 14:02:10; Bright; 40.0; 173; 4Bet Tri ; 3.00; 8900;occ; 80; 0;40001  
3; 2698.4; 24-OCT-2009 14:04:09; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;40001

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091024\_154246\_000001602083\_00369\_40002\_5336.N1  
1; 2579.2; 24-OCT-2009 15:42:46; Bright; 41.5; 173; 4Bet Tri ; 3.00; 8900;occ; 83; 0;40002  
2; 2697.9; 24-OCT-2009 15:44:44; Bright; 42.0; 73; 57Gam1And ; 2.26; 13100;occ; 84; 0;40002

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091024\_172520\_00000262083\_00370\_40003\_5337.N1  
1; 2697.7; 24-OCT-2009 17:25:20; Bright; 26.5; 73; 57Gam1And ; 2.26; 13100;occ; 53; 0;40003

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091025\_024813\_000024542083\_00376\_40009\_8814.N1  
1; 254.8; 25-OCT-2009 02:48:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40009  
2; 445.6; 25-OCT-2009 02:51:23; Dark ; 24.5; 2; Alp Car ; -0.74; 7000;occ; 49; 0;40009  
3; 2295.6; 25-OCT-2009 03:22:13; Bright; 15.5; 105; 6Bet Ari ; 2.64; 8900;occ; 31; 0;40009  
4; 2575.9; 25-OCT-2009 03:26:54; Bright; 18.0; 173; 4Bet Tri ; 3.00; 8900;occ; 36; 0;40009  
5; 2694.8; 25-OCT-2009 03:28:53; Bright; 14.0; 73; 57Gam1And ; 2.26; 13100;occ; 28; 0;40009

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091025\_055421\_000033852083\_00377\_40010\_8815.N1  
1; -648.7; 25-OCT-2009 05:54:21; Dark ; 58.5; 48; 30Alp Hya ; 1.98; 4100;occ; 117; 0;40010  
2; 110.7; 25-OCT-2009 06:07:00; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;40011  
3; 256.6; 25-OCT-2009 06:09:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40011  
4; 448.3; 25-OCT-2009 06:12:38; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;40011  
5; 2294.9; 25-OCT-2009 06:43:25; Bright; 43.0; 105; 6Bet Ari ; 2.64; 8900;occ; 86; 0;40011  
6; 2575.2; 25-OCT-2009 06:48:05; Bright; 42.5; 173; 4Bet Tri ; 3.00; 8900;occ; 85; 0;40011  
7; 2694.6; 25-OCT-2009 06:50:04; Bright; 42.5; 73; 57Gam1And ; 2.26; 13100;occ; 85; 0;40011

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091025\_200810\_000004382083\_00386\_40019\_8816.N1  
1; 2292.8; 25-OCT-2009 20:08:10; Bright; 42.0; 105; 6Bet Ari ; 2.64; 8900;occ; 84; 0;40019

2; 2571.2; 25-OCT-2009 20:12:48; Bright; 40.5; 173; 4Bet Tri ; 3.00; 8900;occ; 81; 0;40019  
 3; 2690.7; 25-OCT-2009 20:14:48; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;40019  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091025\_211232\_000025872083\_00387\_40020\_8817.N1  
 1; 118.4; 25-OCT-2009 21:12:32; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40020  
 2; 265.1; 25-OCT-2009 21:14:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40020  
 3; 455.1; 25-OCT-2009 21:18:08; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40020  
 4; 2690.9; 25-OCT-2009 21:55:24; Bright; 15.0; 73; 57Gam1And ; 2.26; 13100;occ; 30; 0;40020  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091025\_225535\_000024652083\_00388\_40021\_8818.N1  
 1; 266.0; 25-OCT-2009 22:55:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40021  
 2; 455.6; 25-OCT-2009 22:58:45; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;40021  
 3; 2570.6; 25-OCT-2009 23:34:00; Bright; 41.5; 173; 4Bet Tri ; 3.00; 8900;occ; 83; 0;40021  
 4; 2690.4; 25-OCT-2009 23:35:59; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;40021  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091025\_073458\_000011012083\_00378\_40011\_5338.N1  
 1; -647.6; 25-OCT-2009 07:34:58; Dark ; 7.0; 48; 30Alp Hya ; 1.98; 4100;occ; 14; 0;40011  
 2; 110.8; 25-OCT-2009 07:47:37; Dark ; 6.0; 34; Gam2Vel ; 1.79; 23000;occ; 12; 0;40012  
 3; 257.6; 25-OCT-2009 07:50:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40012  
 4; 448.1; 25-OCT-2009 07:53:14; Dark ; 6.0; 2; Alp Car ; -0.74; 7000;occ; 12; 0;40012  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091025\_082400\_000042062083\_00379\_40012\_5339.N1  
 1; 2294.0; 25-OCT-2009 08:24:00; Bright; 42.5; 105; 6Bet Ari ; 2.64; 8900;occ; 85; 0;40012  
 2; 2574.2; 25-OCT-2009 08:28:40; Bright; 42.0; 173; 4Bet Tri ; 3.00; 8900;occ; 84; 0;40012  
 3; 2693.6; 25-OCT-2009 08:30:39; Bright; 12.0; 73; 57Gam1And ; 2.26; 13100;occ; 24; 0;40012  
 4; 6484.7; 25-OCT-2009 09:33:50; Dark ; 16.0; 2; Alp Car ; -0.74; 7000;occ; 32; 0;40012  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091025\_100436\_000042412083\_00380\_40013\_5340.N1  
 1; 2294.0; 25-OCT-2009 10:04:36; Bright; 26.5; 105; 6Bet Ari ; 2.64; 8900;occ; 53; 0;40013  
 2; 2573.8; 25-OCT-2009 10:09:15; Bright; 40.5; 173; 4Bet Tri ; 3.00; 8900;occ; 81; 0;40013  
 3; 2693.0; 25-OCT-2009 10:11:15; Bright; 42.5; 73; 57Gam1And ; 2.26; 13100;occ; 85; 0;40013  
 4; 6485.7; 25-OCT-2009 11:14:27; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;40013  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091025\_114512\_000042392083\_00381\_40014\_5341.N1  
 1; 2294.1; 25-OCT-2009 11:45:12; Bright; 42.5; 105; 6Bet Ari ; 2.64; 8900;occ; 85; 0;40014  
 2; 2573.4; 25-OCT-2009 11:49:51; Bright; 39.0; 173; 4Bet Tri ; 3.00; 8900;occ; 78; 0;40014  
 3; 2693.0; 25-OCT-2009 11:51:51; Bright; 42.0; 73; 57Gam1And ; 2.26; 13100;occ; 84; 0;40014  
 4; 6149.4; 25-OCT-2009 12:49:27; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;40014  
 5; 6296.2; 25-OCT-2009 12:51:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40014  
 6; 6486.4; 25-OCT-2009 12:55:04; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;40014  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091025\_132547\_000042402083\_00382\_40015\_5342.N1  
 1; 2293.2; 25-OCT-2009 13:25:47; Bright; 43.0; 105; 6Bet Ari ; 2.64; 8900;occ; 86; 0;40015  
 2; 2573.1; 25-OCT-2009 13:30:26; Bright; 42.0; 173; 4Bet Tri ; 3.00; 8900;occ; 84; 0;40015  
 3; 2692.5; 25-OCT-2009 13:32:26; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;40015  
 4; 6487.8; 25-OCT-2009 14:35:41; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40015  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091025\_150623\_000026392083\_00383\_40016\_5343.N1  
 1; 2293.4; 25-OCT-2009 15:06:23; Bright; 42.5; 105; 6Bet Ari ; 2.64; 8900;occ; 85; 0;40016  
 2; 2572.6; 25-OCT-2009 15:11:02; Bright; 41.0; 173; 4Bet Tri ; 3.00; 8900;occ; 82; 0;40016  
 3; 2692.3; 25-OCT-2009 15:13:02; Bright; 42.5; 73; 57Gam1And ; 2.26; 13100;occ; 85; 0;40016  
 4; 4887.7; 25-OCT-2009 15:49:37; Bright; 45.0; 22; 32Alp Leo ; 1.36; 15200;occ; 90; 0;40016  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091025\_164659\_000004412083\_00384\_40017\_5344.N1  
 1; 2293.4; 25-OCT-2009 16:46:59; Bright; 41.5; 105; 6Bet Ari ; 2.64; 8900;occ; 83; 0;40017  
 2; 2572.2; 25-OCT-2009 16:51:38; Bright; 43.0; 173; 4Bet Tri ; 3.00; 8900;occ; 86; 0;40017  
 3; 2692.0; 25-OCT-2009 16:53:37; Bright; 42.5; 73; 57Gam1And ; 2.26; 13100;occ; 85; 0;40017  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091025\_193731\_000000152083\_00386\_40019\_5345.N1  
 1; 454.1; 25-OCT-2009 19:37:31; Dark ; 15.5; 2; Alp Car ; -0.74; 7000;occ; 31; 0;40019  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091026\_011435\_000001602083\_00389\_40022\_8819.N1  
 1; 2570.2; 26-OCT-2009 01:14:35; Bright; 41.0; 173; 4Bet Tri ; 3.00; 8900;occ; 82; 0;40022  
 2; 2690.0; 26-OCT-2009 01:16:35; Bright; 40.5; 73; 57Gam1And ; 2.26; 13100;occ; 81; 0;40022  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091026\_043108\_000004402083\_00391\_40024\_8820.N1  
 1; 2291.5; 26-OCT-2009 04:31:08; Bright; 41.0; 105; 6Bet Ari ; 2.64; 8900;occ; 82; 0;40024  
 2; 2569.4; 26-OCT-2009 04:35:46; Bright; 42.0; 173; 4Bet Tri ; 3.00; 8900;occ; 84; 0;40024  
 3; 2689.4; 26-OCT-2009 04:37:46; Bright; 42.5; 73; 57Gam1And ; 2.26; 13100;occ; 85; 0;40024  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091026\_054112\_000022322083\_00392\_40025\_8821.N1  
 1; 459.0; 26-OCT-2009 05:41:12; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40025  
 2; 2568.9; 26-OCT-2009 06:16:22; Bright; 2.0; 173; 4Bet Tri ; 3.00; 8900;occ; 4; 0;40025  
 3; 2688.2; 26-OCT-2009 06:18:21; Bright; 3.5; 73; 57Gam1And ; 2.26; 13100;occ; 7; 0;40025  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091026\_070336\_000011382083\_00392\_40025\_5348.N1  
 1; -632.4; 26-OCT-2009 07:03:36; Dark ; 59.0; 48; 30Alp Hya ; 1.98; 4100;occ; 118; 0;40025  
 2; 123.6; 26-OCT-2009 07:16:12; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40026  
 3; 270.7; 26-OCT-2009 07:18:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40026  
 4; 459.6; 26-OCT-2009 07:21:48; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;40026  
 /nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091026\_083542\_000016512083\_00393\_40026\_5349.N1  
 1; -1142.7; 26-OCT-2009 08:35:42; Bright; 47.0; 22; 32Alp Leo ; 1.36; 15200;occ; 94; 0;40026

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2; 271.7; 26-OCT-2009 08:59:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40027
3; 460.8; 26-OCT-2009 09:02:25; Dark ; 47.5; 2; Alp Car ;-0.74; 7000;occ; 95; 0;40027
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1; 2567.7; 26-OCT-2009 11:18:08; Bright; 18.0; 173; 4Bet Tri ; 3.00; 8900;occ; 36; 0;40028
2; 2687.5; 26-OCT-2009 11:20:08; Bright; 42.0; 73; 57Gam1And ; 2.26; 13100;occ; 84; 0;40028
3; 6162.6; 26-OCT-2009 12:18:03; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40028
4; 6309.4; 26-OCT-2009 12:20:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40028
5; 6498.0; 26-OCT-2009 12:23:39; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;40028
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20091026_125843_000039802083_00396_40029_5351.N1
1; 2567.0; 26-OCT-2009 12:58:43; Bright; 41.0; 173; 4Bet Tri ; 3.00; 8900;occ; 82; 0;40029
2; 2687.1; 26-OCT-2009 13:00:43; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;40029
3; 5407.6; 26-OCT-2009 13:46:04; Dark ; 19.5; 48; 30Alp Hya ; 1.98; 4100;occ; 39; 0;40029
4; 6163.3; 26-OCT-2009 13:58:40; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40029
5; 6310.4; 26-OCT-2009 14:01:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40029
6; 6499.0; 26-OCT-2009 14:04:15; Dark ; 49.0; 2; Alp Car ;-0.74; 7000;occ; 98; 0;40029
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20091026_143919_000039822083_00397_40030_5352.N1
1; 2566.6; 26-OCT-2009 14:39:19; Bright; 7.5; 173; 4Bet Tri ; 3.00; 8900;occ; 15; 0;40030
2; 2686.9; 26-OCT-2009 14:41:19; Bright; 42.0; 73; 57Gam1And ; 2.26; 13100;occ; 84; 0;40030
3; 4894.8; 26-OCT-2009 15:18:07; Bright; 43.5; 22; 32Alp Leo ; 1.36; 15200;occ; 87; 0;40030
4; 6311.4; 26-OCT-2009 15:41:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40030
5; 6499.9; 26-OCT-2009 15:44:52; Dark ; 49.0; 2; Alp Car ;-0.74; 7000;occ; 98; 0;40030
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20091026_180030_000039962083_00399_40032_5353.N1
1; 2565.8; 26-OCT-2009 18:00:30; Bright; 18.5; 173; 4Bet Tri ; 3.00; 8900;occ; 37; 0;40032
2; 2685.9; 26-OCT-2009 18:02:30; Bright; 25.5; 73; 57Gam1And ; 2.26; 13100;occ; 51; 0;40032
3; 6313.3; 26-OCT-2009 19:02:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40032
4; 6501.4; 26-OCT-2009 19:06:06; Dark ; 61.0; 2; Alp Car ;-0.74; 7000;occ; 122; 0;40032
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20091026_202832_000011352083_00400_40033_5354.N1
1; -624.2; 26-OCT-2009 20:28:32; Dark ; 61.5; 48; 30Alp Hya ; 1.98; 4100;occ; 123; 0;40033
2; 130.3; 26-OCT-2009 20:41:07; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40034
3; 278.2; 26-OCT-2009 20:43:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40034
4; 465.6; 26-OCT-2009 20:46:42; Dark ; 45.5; 2; Alp Car ;-0.74; 7000;occ; 91; 0;40034
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091027_022328_000001622083_00404_40037_8822.N1
1; 2563.8; 27-OCT-2009 02:23:28; Bright; 40.5; 173; 4Bet Tri ; 3.00; 8900;occ; 81; 0;40037
2; 2684.1; 27-OCT-2009 02:25:28; Bright; 42.0; 73; 57Gam1And ; 2.26; 13100;occ; 84; 0;40037
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1; 283.0; 27-OCT-2009 05:06:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40039
2; 470.2; 27-OCT-2009 05:09:46; Dark ; 47.0; 2; Alp Car ;-0.74; 7000;occ; 94; 0;40039
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1; 471.1; 27-OCT-2009 06:50:23; Dark ; 49.0; 2; Alp Car ;-0.74; 7000;occ; 98; 0;40040
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20091027_082752_000002352083_00408_40041_5356.N1
1; 284.8; 27-OCT-2009 08:27:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40041
2; 471.9; 27-OCT-2009 08:31:00; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;40041
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2; 2681.8; 27-OCT-2009 10:48:25; Bright; 42.0; 73; 57Gam1And ; 2.26; 13100;occ; 84; 0;40042
3; 6509.3; 27-OCT-2009 11:52:13; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;40042
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20091027_140736_000039972083_00411_40044_5358.N1
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2; 2681.6; 27-OCT-2009 14:09:37; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;40044
3; 6324.6; 27-OCT-2009 15:10:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40044
4; 6511.2; 27-OCT-2009 15:13:26; Dark ; 47.0; 2; Alp Car ;-0.74; 7000;occ; 94; 0;40044
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1; 2560.6; 27-OCT-2009 15:48:12; Bright; 39.5; 173; 4Bet Tri ; 3.00; 8900;occ; 79; 0;40045
2; 2681.2; 27-OCT-2009 15:50:12; Bright; 41.5; 73; 57Gam1And ; 2.26; 13100;occ; 83; 0;40045
3; 6512.1; 27-OCT-2009 16:54:03; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;40045
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2; 475.9; 27-OCT-2009 18:34:39; Dark ; 52.5; 2; Alp Car ;-0.74; 7000;occ; 105; 0;40047
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2; 2679.9; 27-OCT-2009 19:11:23; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;40047
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2; 298.0; 28-OCT-2009 07:56:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40055

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3; 482.8; 28-OCT-2009 07:59:33; Dark ; 47.0; 2; Alp Car ; -0.74; 7000; occ; 94; 0; 40055

