

# GOMOS Daily Report 19-JAN-2011

## Level 0 and Level 1 products

### SUMMARY

#### [1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

#### [3. Plot of Spectrometers and Photometers temperatures](#)

#### [4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

#### [5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

#### [6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

#### [7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

## [Level 2 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	22JAN2011 05:13:38
Data source version	GOMOS/5.01
Start time of products	19JAN2011 00:01:34
Stop time of products	19JAN2011 23:59:41
Store outputs in DB	Yes
Nb of level 1b prods	137
Nb of prods with errors	2

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

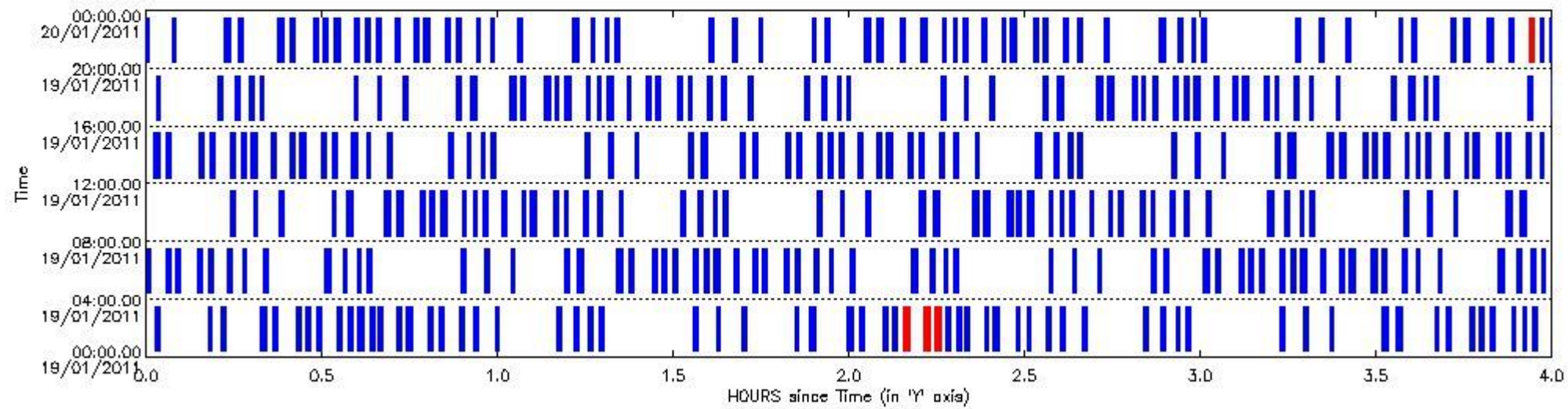
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
19-JAN-2011 02:09:12	9Alp2Lib	122	46468
19-JAN-2011 02:12:52	GamLup	131	46468
19-JAN-2011 02:14:43	BetLup	109	46468
19-JAN-2011 23:56:02	GamLup	131	46481

### 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_1PNPDE20110119_000134_000000393098_00332_46467_5009.N1	19-JAN-2011 00:01:34	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46467	No
2	GOM_TRA_1PNPDE20110119_001034_000000383098_00332_46467_5010.N1	19-JAN-2011 00:10:34	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	46467	No
3	GOM_TRA_1PNPDE20110119_001251_000000463098_00332_46467_5011.N1	19-JAN-2011 00:12:51	Bright	45.500	67	5Alp CrB	2.2210	11000.	91	46467	No
4	GOM_TRA_1PNPDE20110119_001929_000000653098_00332_46467_5012.N1	19-JAN-2011 00:19:29	Bright	65.000	102	24Alp Ser	2.6000	4250.0	130	46467	No
5	GOM_TRA_1PNPDE20110119_002134_000000583098_00332_46467_5013.N1	19-JAN-2011 00:21:34	Bright	58.000	120	1Del Oph	2.7340	3200.0	116	46467	No
6	GOM_TRA_1PNPDE20110119_002533_000000533098_00332_46467_5012.N1	19-JAN-2011 00:25:33	Twilight	53.000	104	27Bet Lib	2.6140	13100.	106	46467	No
7	GOM_TRA_1PNPDE20110119_002713_000000473098_00332_46467_5013.N1	19-JAN-2011 00:27:13	Twilight	47.000	80	7Del Sco	2.3160	30000.	94	46467	No

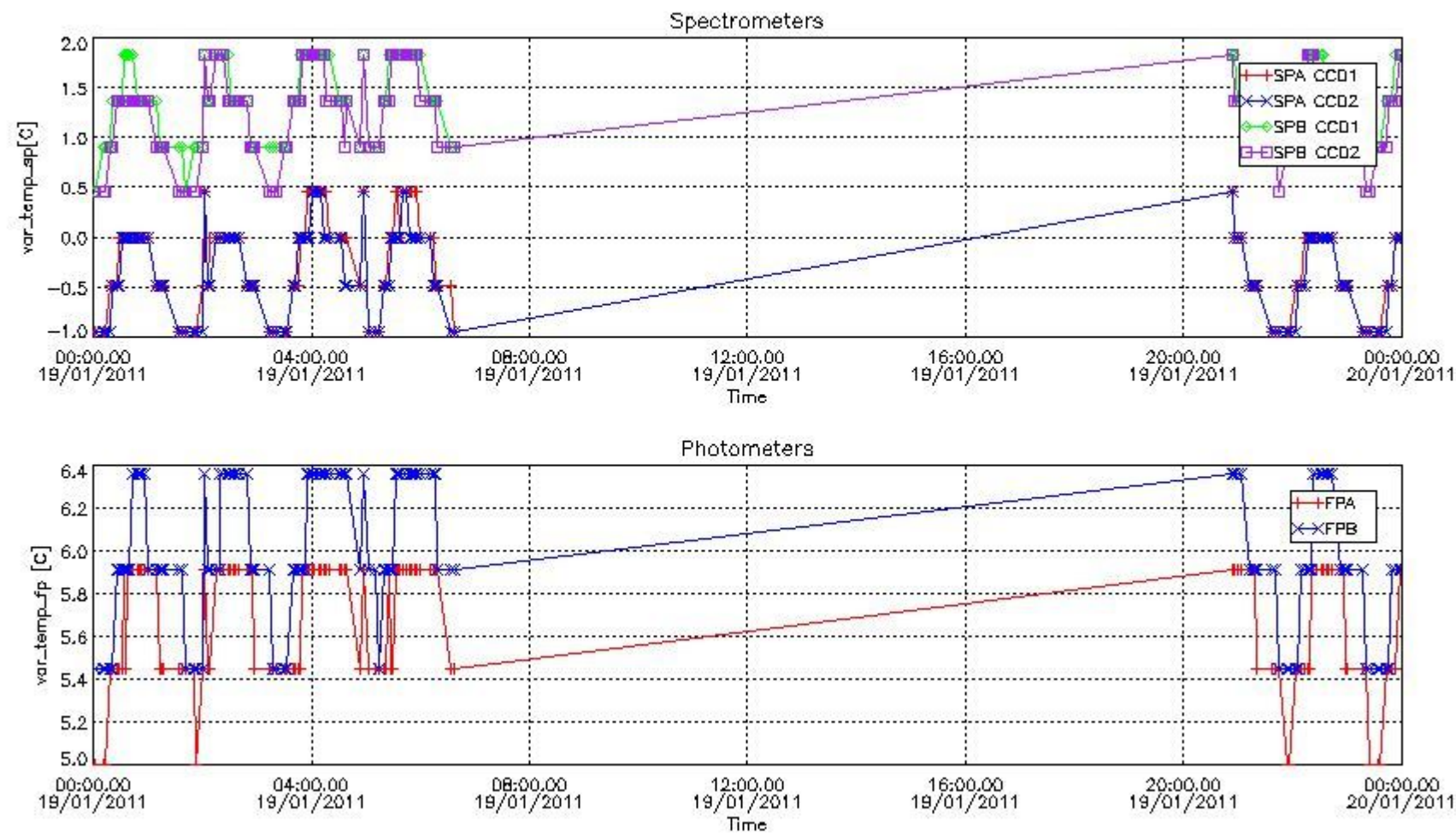
8	GOM_TRA_1PNPDE20110119_002901_000000543098_00332_46467_5014.N1	19-JAN-2011 00:29:01	Dark	53.500	122	9Alp2Lib	2.7470	9700.0	107	46467	No
9	GOM_TRA_1PNPDE20110119_003241_000000403098_00332_46467_5015.N1	19-JAN-2011 00:32:41	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46467	No
10	GOM_TRA_1PNPDE20110119_003432_000000433098_00332_46467_5016.N1	19-JAN-2011 00:34:32	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46467	No
11	GOM_TRA_1PNPDE20110119_003610_000000643098_00332_46467_5017.N1	19-JAN-2011 00:36:10	Dark	63.500	54	5The Cen	2.0550	4500.0	127	46467	No
12	GOM_TRA_1PNPDE20110119_003811_000000453098_00333_46468_5018.N1	19-JAN-2011 00:38:11	Dark	44.500	95	Zet Cen	2.5450	26000.	89	46468	No
13	GOM_TRA_1PNPDE20110119_003934_000000413098_00333_46468_5019.N1	19-JAN-2011 00:39:34	Dark	41.000	77	Eps Cen	2.3030	28000.	82	46468	No
14	GOM_TRA_1PNPDE20110119_004252_000000463098_00333_46468_5020.N1	19-JAN-2011 00:42:52	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	46468	No
15	GOM_TRA_1PNPDE20110119_004812_000000513098_00333_46468_5021.N1	19-JAN-2011 00:48:12	Dark	51.000	113	Mu Vel	2.6920	5000.0	102	46468	No
16	GOM_TRA_1PNPDE20110119_005004_000000403098_00333_46468_5022.N1	19-JAN-2011 00:50:04	Dark	40.000	91	Kap Vel	2.4900	26000.	80	46468	No
17	GOM_TRA_1PNPDE20110119_005323_000000513098_00333_46468_5023.N1	19-JAN-2011 00:53:23	Dark	51.000	65	Lam Vel	2.2040	4400.0	102	46468	No
18	GOM_TRA_1PNPDE20110119_005554_000000443098_00333_46468_5024.N1	19-JAN-2011 00:55:54	Dark	44.000	70	Zet Pup	2.2460	39000.	88	46468	No
19	GOM_TRA_1PNPDE20110119_005934_000000443098_00333_46468_5025.N1	19-JAN-2011 00:59:34	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46468	No
20	GOM_TRA_1PNPDE20110119_011000_000000603098_00333_46468_5026.N1	19-JAN-2011 01:10:00	Tw_i_and_stray	60.000	8	10Alp CMi	0.40000	6500.0	120	46468	No
21	GOM_TRA_1PNPDE20110119_011302_000000493098_00333_46468_5027.N1	19-JAN-2011 01:13:02	Bright	49.000	44	24Gam Gem	1.9280	11000.	98	46468	No
22	GOM_TRA_1PNPDE20110119_011534_000000393098_00333_46468_5028.N1	19-JAN-2011 01:15:34	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	46468	No
23	GOM_TRA_1PNPDE20110119_011717_000000463098_00333_46468_5029.N1	19-JAN-2011 01:17:17	Bright	45.500	17	78Bet Gem	1.1610	4500.0	91	46468	No
24	GOM_TRA_1PNPDE20110119_013323_000000433098_00333_46468_5030.N1	19-JAN-2011 01:33:23	Bright	43.000	36	50Alp UMa	1.8000	6300.0	86	46468	No
25	GOM_TRA_1PNPDE20110119_013723_000000403098_00333_46468_5031.N1	19-JAN-2011 01:37:23	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46468	No
26	GOM_TRA_1PNPDE20110119_014148_000000383098_00333_46468_5032.N1	19-JAN-2011 01:41:48	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	46468	No
27	GOM_TRA_1PNPDE20110119_015048_000000373098_00333_46468_5033.N1	19-JAN-2011 01:50:48	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	46468	No
28	GOM_TRA_1PNPDE20110119_015306_000000673098_00333_46468_5034.N1	19-JAN-2011 01:53:06	Bright	67.000	67	5Alp CrB	2.2210	11000.	134	46468	No
29	GOM_TRA_1PNPDE20110119_015944_000000663098_00333_46468_5035.N1	19-JAN-2011 01:59:44	Bright	66.000	102	24Alp Ser	2.6000	4250.0	132	46468	No
30	GOM_TRA_1PNPDE20110119_020148_000000413098_00333_46468_5040.N1	19-JAN-2011 02:01:48	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	46468	No
31	GOM_TRA_1PNPDE20110119_020548_000000503098_00333_46468_5041.N1	19-JAN-2011 02:05:48	Tw_i_and_stray	49.500	104	27Bet Lib	2.6140	13100.	99	46468	No
32	GOM_TRA_1PNPDE20110119_020728_000000463098_00333_46468_5042.N1	19-JAN-2011 02:07:28	Twilight	46.000	80	7Del Sco	2.3160	30000.	92	46468	No
33	GOM_TRA_1PNPDE20110119_021625_000000583098_00333_46468_5043.N1	19-JAN-2011 02:16:25	Dark	58.000	54	5The Cen	2.0550	4500.0	116	46468	No
34	GOM_TRA_1PNPDE20110119_021826_000000453098_00334_46469_5044.N1	19-JAN-2011 02:18:26	Dark	45.000	95	Zet Cen	2.5450	26000.	90	46469	No
35	GOM_TRA_1PNPDE20110119_021949_000000423098_00334_46469_5045.N1	19-JAN-2011 02:19:49	Dark	42.000	77	Eps Cen	2.3030	28000.	84	46469	No
36	GOM_TRA_1PNPDE20110119_022306_000000443098_00334_46469_5046.N1	19-JAN-2011 02:23:06	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	46469	No
37	GOM_TRA_1PNPDE20110119_022827_000000453098_00334_46469_5047.N1	19-JAN-2011 02:28:27	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46469	No
38	GOM_TRA_1PNPDE20110119_023019_000000423098_00334_46469_5048.N1	19-JAN-2011 02:30:19	Dark	41.500	91	Kap Vel	2.4900	26000.	83	46469	No
39	GOM_TRA_1PNPDE20110119_023337_000000503098_00334_46469_5049.N1	19-JAN-2011 02:33:37	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46469	No
40	GOM_TRA_1PNPDE20110119_023608_000000453098_00334_46469_5050.N1	19-JAN-2011 02:36:08	Dark	44.500	70	Zet Pup	2.2460	39000.	89	46469	No
41	GOM_TRA_1PNPDE20110119_023948_000000443098_00334_46469_5051.N1	19-JAN-2011 02:39:48	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46469	No
42	GOM_TRA_1PNPDE20110119_025014_000000563098_00334_46469_5052.N1	19-JAN-2011 02:50:14	Tw_i_and_stray	55.500	8	10Alp CMi	0.40000	6500.0	111	46469	No
43	GOM_TRA_1PNPDE20110119_025316_000000433098_00334_46469_5053.N1	19-JAN-2011 02:53:16	Bright	42.500	44	24Gam Gem	1.9280	11000.	85	46469	No
44	GOM_TRA_1PNPDE20110119_025548_000000403098_00334_46469_5054.N1	19-JAN-2011 02:55:48	Bright	39.500	170	27Eps Gem	3.0000	9700.0	79	46469	No
45	GOM_TRA_1PNPDE20110119_025731_000000463098_00334_46469_5055.N1	19-JAN-2011 02:57:31	Bright	46.000	17	78Bet Gem	1.1610	4500.0	92	46469	No
46	GOM_TRA_1PNPDE20110119_031337_000000433098_00334_46469_5056.N1	19-JAN-2011 03:13:37	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	46469	No
47	GOM_TRA_1PNPDE20110119_031737_000000403098_00334_46469_5071.N1	19-JAN-2011 03:17:37	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46469	No
48	GOM_TRA_1PNPDE20110119_032202_000000403098_00334_46469_5072.N1	19-JAN-2011 03:22:02	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46469	No
49	GOM_TRA_1PNPDE20110119_033103_000000563098_00334_46469_5073.N1	19-JAN-2011 03:31:03	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	46469	No
50	GOM_TRA_1PNPDE20110119_033320_000000673098_00334_46469_5074.N1	19-JAN-2011 03:33:20	Bright	67.000	67	5Alp CrB	2.2210	11000.	134	46469	No
51	GOM_TRA_1PNPDE20110119_033959_000000443098_00334_46469_5075.N1	19-JAN-2011 03:39:59	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	46469	No
52	GOM_TRA_1PNPDE20110119_034203_000000433098_00334_46469_5076.N1	19-JAN-2011 03:42:03	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	46469	No
53	GOM_TRA_1PNPDE20110119_034603_000000523098_00334_46469_5077.N1	19-JAN-2011 03:46:03	Tw_i_and_stray	52.000	104	27Bet Lib	2.6140	13100.	104	46469	No
54	GOM_TRA_1PNPDE20110119_034742_000000463098_00334_46469_5078.N1	19-JAN-2011 03:47:42	Twilight	46.000	80	7Del Sco	2.3160	30000.	92	46469	No
55	GOM_TRA_1PNPDE20110119_034931_000000533098_00334_46469_5079.N1	19-JAN-2011 03:49:31	Dark	53.000	122	9Alp2Lib	2.7470	9700.0	106	46469	No
56	GOM_TRA_1PNPDE20110119_035310_000000393098_00334_46469_5080.N1	19-JAN-2011 03:53:10	Dark	39.000	131	Gam Lup	2.8000	26000.	78	46469	No
57	GOM_TRA_1PNPDE20110119_035501_000000423098_00334_46469_5081.N1	19-JAN-2011 03:55:01	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46469	No
58	GOM_TRA_1PNPDE20110119_035640_000000523098_00334_46469_5082.N1	19-JAN-2011 03:56:40	Dark	51.500	54	5The Cen	2.0550	4500.0	103	46469	No
59	GOM_TRA_1PNPDE20110119_040004_000000433098_00335_46470_5083.N1	19-JAN-2011 04:00:04	Dark	43.000	77	Eps Cen	2.3030	28000.	86	46470	No
60	GOM_TRA_1PNPDE20110119_040321_000000423098_00335_46470_5084.N1	19-JAN-2011 04:03:21	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46470	No
61	GOM_TRA_1PNPDE20110119_040842_000000483098_00335_46470_5085.N1	19-JAN-2011 04:08:42	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46470	No
62	GOM_TRA_1PNPDE20110119_041034_000000463098_00335_46470_5086.N1	19-JAN-2011 04:10:34	Dark	45.500	91	Kap Vel	2.4900	26000.	91	46470	No
63	GOM_TRA_1PNPDE20110119_041352_000000483098_00335_46470_5087.N1	19-JAN-2011 04:13:52	Dark	48.000	65	Lam Vel	2.2040	4400.0	96	46470	No
64	GOM_TRA_1PNPDE20110119_041622_000000453098_00335_46470_5088.N1	19-JAN-2011 04:16:22	Dark	44.500	70	Zet Pup	2.2460	39000.	89	46470	No
65	GOM_TRA_1PNPDE20110119_042003_000000413098_00335_46470_5089.N1	19-JAN-2011 04:20:03	Straylight	40.500	88	31Eta CMa	2.4480	20000.	81	46470	No
66	GOM_TRA_1PNPDE20110119_043028_000000553098_00335_46470_5090.N1	19-JAN-2011 04:30:28	Tw_i_and_stray	55.000	8	10Alp CMi	0.40000	6500.0	110	46470	No

67	GOM_TRA_1PNPDE20110119_043330_000000453098_00335_46470_5091.N1	19-JAN-2011 04:33:30	Bright	45.000	44	24Gam Gem	1.9280	11000.	90	46470	No
68	GOM_TRA_1PNPDE20110119_043602_000000413098_00335_46470_5092.N1	19-JAN-2011 04:36:02	Bright	40.500	170	27Eps Gem	3.0000	9700.0	81	46470	No
69	GOM_TRA_1PNPDE20110119_043744_000000473098_00335_46470_5093.N1	19-JAN-2011 04:37:44	Bright	46.500	17	78Bet Gem	1.1610	4500.0	93	46470	No
70	GOM_TRA_1PNPDE20110119_045350_000000443098_00335_46470_5094.N1	19-JAN-2011 04:53:50	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	46470	No
71	GOM_TRA_1PNPDE20110119_045751_000000363098_00335_46470_5093.N1	19-JAN-2011 04:57:51	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46470	Yes
72	GOM_TRA_1PNPDE20110119_050216_000000393098_00335_46470_5094.N1	19-JAN-2011 05:02:16	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46470	No
73	GOM_TRA_1PNPDE20110119_051117_000000563098_00335_46470_5095.N1	19-JAN-2011 05:11:17	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	46470	No
74	GOM_TRA_1PNPDE20110119_051334_000000673098_00335_46470_5096.N1	19-JAN-2011 05:13:34	Bright	67.000	67	5Alp CrB	2.2210	11000.	134	46470	No
75	GOM_TRA_1PNPDE20110119_052013_000000663098_00335_46470_5097.N1	19-JAN-2011 05:20:13	Bright	66.000	102	24Alp Ser	2.6000	4250.0	132	46470	No
76	GOM_TRA_1PNPDE20110119_052217_000000593098_00335_46470_5098.N1	19-JAN-2011 05:22:17	Bright	59.000	120	1Del Oph	2.7340	3200.0	118	46470	No
77	GOM_TRA_1PNPDE20110119_052619_000000553098_00335_46470_5099.N1	19-JAN-2011 05:26:19	Twilight	55.000	104	27Bet Lib	2.6140	13100.	110	46470	No
78	GOM_TRA_1PNPDE20110119_052757_000000483098_00335_46470_5100.N1	19-JAN-2011 05:27:57	Twilight	48.000	80	7Del Sco	2.3160	30000.	96	46470	No
79	GOM_TRA_1PNPDE20110119_052946_000000553098_00335_46470_5101.N1	19-JAN-2011 05:29:46	Dark	54.500	122	9Alp2Lib	2.7470	9700.0	109	46470	No
80	GOM_TRA_1PNPDE20110119_053325_000000433098_00335_46470_5102.N1	19-JAN-2011 05:33:25	Dark	42.500	131	Gam Lup	2.8000	26000.	85	46470	No
81	GOM_TRA_1PNPDE20110119_053516_000000423098_00335_46470_5103.N1	19-JAN-2011 05:35:16	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46470	No
82	GOM_TRA_1PNPDE20110119_053655_000000573098_00335_46470_5104.N1	19-JAN-2011 05:36:55	Dark	57.000	54	5The Cen	2.0550	4500.0	114	46470	No
83	GOM_TRA_1PNPDE20110119_054018_000000433098_00336_46471_5105.N1	19-JAN-2011 05:40:18	Dark	43.000	77	Eps Cen	2.3030	28000.	86	46471	No
84	GOM_TRA_1PNPDE20110119_054336_000000423098_00336_46471_5106.N1	19-JAN-2011 05:43:36	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46471	No
85	GOM_TRA_1PNPDE20110119_054856_000000533098_00336_46471_5107.N1	19-JAN-2011 05:48:56	Dark	53.000	113	Mu Vel	2.6920	5000.0	106	46471	No
86	GOM_TRA_1PNPDE20110119_055048_000000413098_00336_46471_5108.N1	19-JAN-2011 05:50:48	Dark	40.500	91	Kap Vel	2.4900	26000.	81	46471	No
87	GOM_TRA_1PNPDE20110119_055406_000000513098_00336_46471_5109.N1	19-JAN-2011 05:54:06	Dark	50.500	65	Lam Vel	2.2040	4400.0	101	46471	No
88	GOM_TRA_1PNPDE20110119_055637_000000433098_00336_46471_5110.N1	19-JAN-2011 05:56:37	Dark	42.500	70	Zet Pup	2.2460	39000.	85	46471	No
89	GOM_TRA_1PNPDE20110119_060018_000000443098_00336_46471_5111.N1	19-JAN-2011 06:00:18	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46471	No
90	GOM_TRA_1PNPDE20110119_061042_000000533098_00336_46471_5112.N1	19-JAN-2011 06:10:42	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	46471	No
91	GOM_TRA_1PNPDE20110119_061344_000000533098_00336_46471_5113.N1	19-JAN-2011 06:13:44	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	46471	No
92	GOM_TRA_1PNPDE20110119_061616_000000393098_00336_46471_5114.N1	19-JAN-2011 06:16:16	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	46471	No
93	GOM_TRA_1PNPDE20110119_061758_000000463098_00336_46471_5115.N1	19-JAN-2011 06:17:58	Bright	46.000	17	78Bet Gem	1.1610	4500.0	92	46471	No
94	GOM_TRA_1PNPDE20110119_063404_000000443098_00336_46471_5116.N1	19-JAN-2011 06:34:04	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	46471	No
95	GOM_TRA_1PNPDE20110119_063805_000000403098_00336_46471_5117.N1	19-JAN-2011 06:38:05	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46471	No
96	GOM_TRA_1PNPDE20110119_205258_000000423098_00345_46480_5204.N1	19-JAN-2011 20:52:58	Dark	41.500	91	Kap Vel	2.4900	26000.	83	46480	Yes
97	GOM_TRA_1PNPDE20110119_205617_000000483098_00345_46480_5205.N1	19-JAN-2011 20:56:17	Dark	47.500	65	Lam Vel	2.2040	4400.0	95	46480	No
98	GOM_TRA_1PNPDE20110119_205846_000000433098_00345_46480_5206.N1	19-JAN-2011 20:58:46	Dark	43.000	70	Zet Pup	2.2460	39000.	86	46480	No
99	GOM_TRA_1PNPDE20110119_210319_000000453098_00345_46480_5207.N1	19-JAN-2011 21:03:19	Straylight	45.000	132	15Rho Pup	2.8030	6900.0	90	46480	No
100	GOM_TRA_1PNPDE20110119_211247_000000593098_00345_46480_5208.N1	19-JAN-2011 21:12:47	Twilight	58.500	8	10Alp CMi	0.40000	6500.0	117	46480	No
101	GOM_TRA_1PNPDE20110119_211550_000000483098_00345_46480_5209.N1	19-JAN-2011 21:15:50	Bright	47.500	44	24Gam Gem	1.9280	11000.	95	46480	No
102	GOM_TRA_1PNPDE20110119_211821_000000393098_00345_46480_5210.N1	19-JAN-2011 21:18:21	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	46480	No
103	GOM_TRA_1PNPDE20110119_212001_000000463098_00345_46480_5211.N1	19-JAN-2011 21:20:01	Bright	46.000	17	78Bet Gem	1.1610	4500.0	92	46480	No
104	GOM_TRA_1PNPDE20110119_213603_000000483098_00345_46480_5212.N1	19-JAN-2011 21:36:03	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	46480	No
105	GOM_TRA_1PNPDE20110119_214009_000000413098_00345_46480_5213.N1	19-JAN-2011 21:40:09	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	46480	No
106	GOM_TRA_1PNPDE20110119_214435_000000403098_00345_46480_5214.N1	19-JAN-2011 21:44:35	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46480	No
107	GOM_TRA_1PNPDE20110119_215338_000000373098_00345_46480_5215.N1	19-JAN-2011 21:53:38	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	46480	No
108	GOM_TRA_1PNPDE20110119_215557_000000473098_00345_46480_5216.N1	19-JAN-2011 21:55:57	Bright	47.000	67	5Alp CrB	2.2210	11000.	94	46480	No
109	GOM_TRA_1PNPDE20110119_220239_000000663098_00345_46480_5217.N1	19-JAN-2011 22:02:39	Bright	66.000	102	24Alp Ser	2.6000	4250.0	132	46480	No
110	GOM_TRA_1PNPDE20110119_220442_000000593098_00345_46480_5218.N1	19-JAN-2011 22:04:42	Bright	59.000	120	1Del Oph	2.7340	3200.0	118	46480	No
111	GOM_TRA_1PNPDE20110119_220848_000000533098_00345_46480_5223.N1	19-JAN-2011 22:08:48	Twilight	53.000	104	27Bet Lib	2.6140	13100.	106	46480	No
112	GOM_TRA_1PNPDE20110119_221218_000000543098_00345_46480_5224.N1	19-JAN-2011 22:12:18	Dark	53.500	122	9Alp2Lib	2.7470	9700.0	107	46480	No
113	GOM_TRA_1PNPDE20110119_221551_000000413098_00345_46480_5225.N1	19-JAN-2011 22:15:51	Dark	40.500	131	Gam Lup	2.8000	26000.	81	46480	No
114	GOM_TRA_1PNPDE20110119_221744_000000433098_00345_46480_5226.N1	19-JAN-2011 22:17:44	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46480	No
115	GOM_TRA_1PNPDE20110119_221926_000000523098_00345_46480_5227.N1	19-JAN-2011 22:19:26	Dark	51.500	54	5The Cen	2.0550	4500.0	103	46480	No
116	GOM_TRA_1PNPDE20110119_222246_000000433098_00346_46481_5228.N1	19-JAN-2011 22:22:46	Dark	42.500	77	Eps Cen	2.3030	28000.	85	46481	No
117	GOM_TRA_1PNPDE20110119_222601_000000413098_00346_46481_5229.N1	19-JAN-2011 22:26:01	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	46481	No
118	GOM_TRA_1PNPDE20110119_223124_000000523098_00346_46481_5230.N1	19-JAN-2011 22:31:24	Dark	52.000	113	Mu Vel	2.6920	5000.0	104	46481	No
119	GOM_TRA_1PNPDE20110119_223313_000000413098_00346_46481_5231.N1	19-JAN-2011 22:33:13	Dark	41.000	91	Kap Vel	2.4900	26000.	82	46481	No
120	GOM_TRA_1PNPDE20110119_223631_000000473098_00346_46481_5232.N1	19-JAN-2011 22:36:31	Dark	47.000	65	Lam Vel	2.2040	4400.0	94	46481	No
121	GOM_TRA_1PNPDE20110119_223900_000000423098_00346_46481_5233.N1	19-JAN-2011 22:39:00	Dark	41.500	70	Zet Pup	2.2460	39000.	83	46481	No
122	GOM_TRA_1PNPDE20110119_224334_000000473098_00346_46481_5234.N1	19-JAN-2011 22:43:34	Straylight	46.500	132	15Rho Pup	2.8030	6900.0	93	46481	No
123	GOM_TRA_1PNPDE20110119_225300_000000593098_00346_46481_5235.N1	19-JAN-2011 22:53:00	Twilight	59.000	8	10Alp CMi	0.40000	6500.0	118	46481	No
124	GOM_TRA_1PNPDE20110119_225604_000000533098_00346_46481_5236.N1	19-JAN-2011 22:56:04	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	46481	No
125	GOM_TRA_1PNPDE20110119_225835_000000393098_00346_46481_5237.N1	19-JAN-2011 22:58:35	Bright	39.000	170	27Eps Gem	3.0000	9700.0	78	46481	No



126	GOM_TRA_1PNPDE20110119_230014_000000463098_00346_46481_5238.N1	19-JAN-2011 23:00:14	Bright	46.000	17	78Bet Gem	1.1610	4500.0	92	46481	No
127	GOM_TRA_1PNPDE20110119_231617_000000493098_00346_46481_5239.N1	19-JAN-2011 23:16:17	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	46481	No
128	GOM_TRA_1PNPDE20110119_232023_000000403098_00346_46481_5240.N1	19-JAN-2011 23:20:23	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46481	No
129	GOM_TRA_1PNPDE20110119_232449_000000553098_00346_46481_5241.N1	19-JAN-2011 23:24:49	Bright	55.000	119	14Eta Dra	2.7270	4700.0	110	46481	No
130	GOM_TRA_1PNPDE20110119_233353_000000383098_00346_46481_5242.N1	19-JAN-2011 23:33:53	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	46481	No
131	GOM_TRA_1PNPDE20110119_233611_000000473098_00346_46481_5243.N1	19-JAN-2011 23:36:11	Bright	46.500	67	5Alp CrB	2.2210	11000.	93	46481	No
132	GOM_TRA_1PNPDE20110119_234254_000000453098_00346_46481_5244.N1	19-JAN-2011 23:42:54	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	46481	No
133	GOM_TRA_1PNPDE20110119_234457_000000593098_00346_46481_5245.N1	19-JAN-2011 23:44:57	Bright	59.000	120	1Del Oph	2.7340	3200.0	118	46481	No
134	GOM_TRA_1PNPDE20110119_234903_000000553098_00346_46481_5243.N1	19-JAN-2011 23:49:03	Twilight_stray	55.000	104	27Bet Lib	2.6140	13100.	110	46481	No
135	GOM_TRA_1PNPDE20110119_235234_000000513098_00346_46481_5244.N1	19-JAN-2011 23:52:34	Dark	50.500	122	9Alp2Lib	2.7470	9700.0	101	46481	No
136	GOM_TRA_1PNPDE20110119_235758_000000423098_00346_46481_5245.N1	19-JAN-2011 23:57:58	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46481	No
137	GOM_TRA_1PNPDE20110119_235941_000000663098_00346_46481_5246.N1	19-JAN-2011 23:59:41	Dark	66.000	54	5The Cen	2.0550	4500.0	132	46481	No

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



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

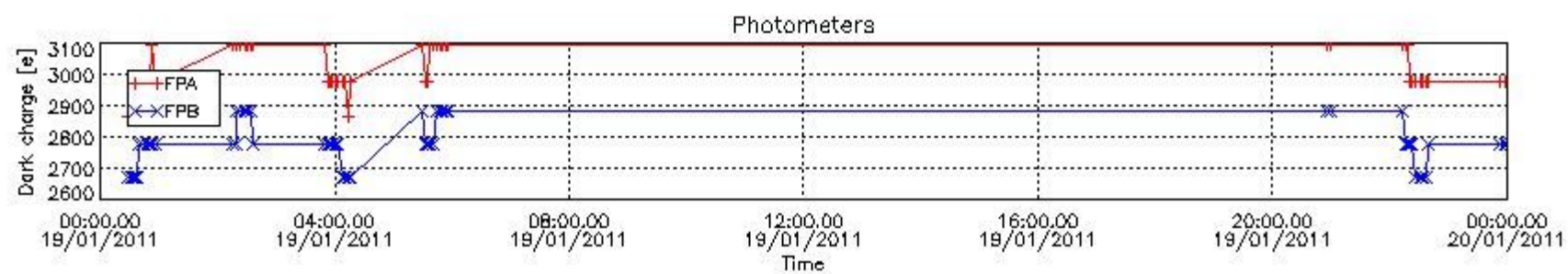
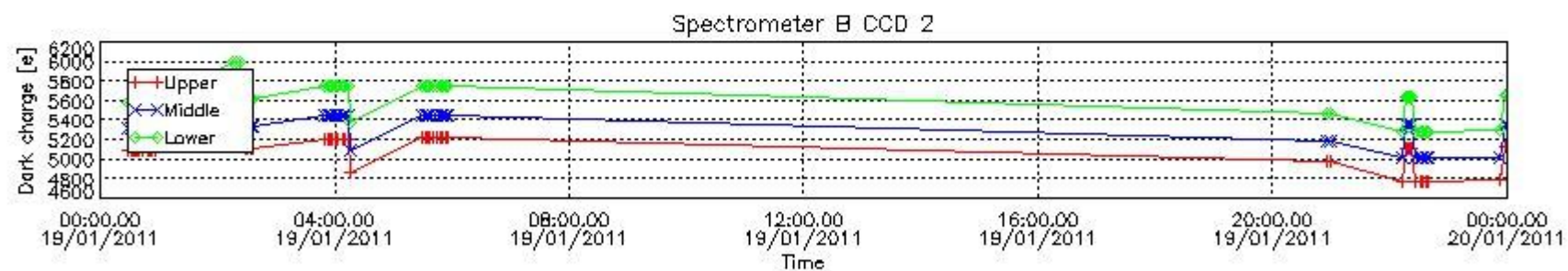
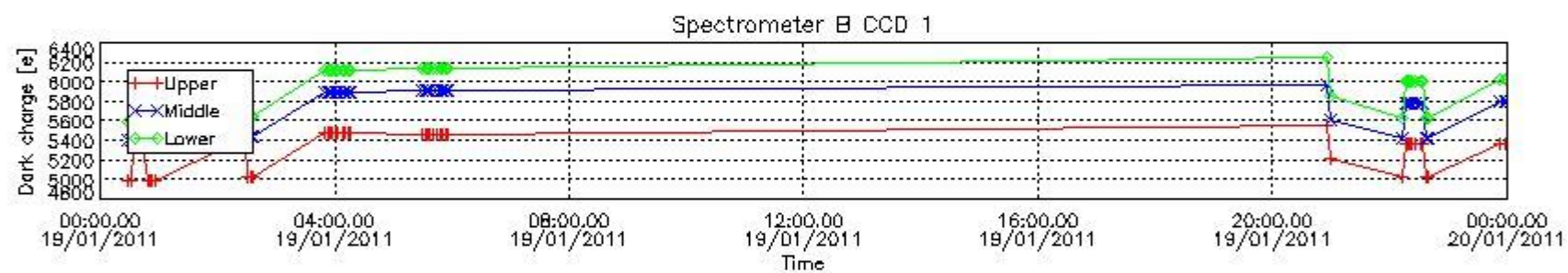
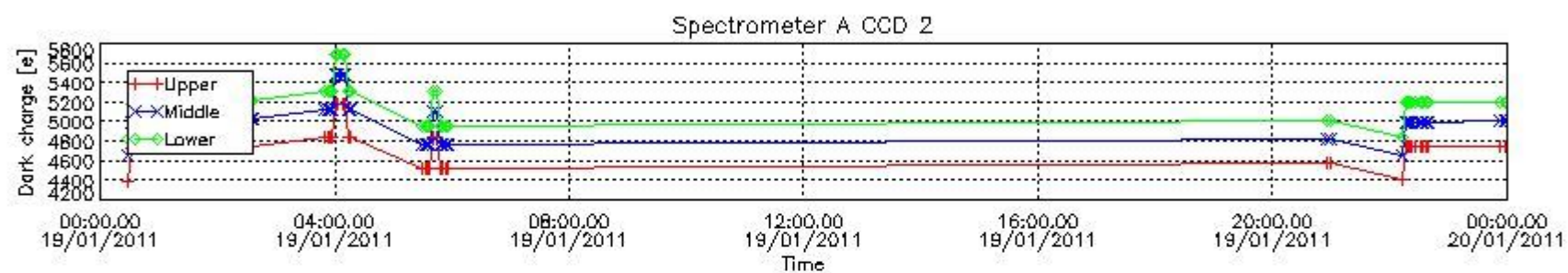
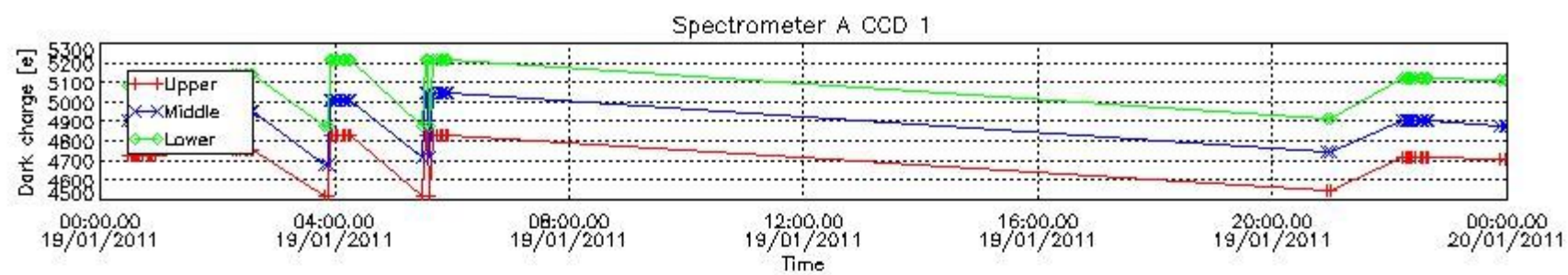
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110119_205258_000000423098_00345_46480_5204.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110119_205617_000000483098_00345_46480_5205.N1	DC map used
GOM_TRA_1PNPDE20110119_205846_000000433098_00345_46480_5206.N1	DC map used
GOM_TRA_1PNPDE20110119_210319_000000453098_00345_46480_5207.N1	DC map used
GOM_TRA_1PNPDE20110119_211247_000000593098_00345_46480_5208.N1	DC map used
GOM_TRA_1PNPDE20110119_211550_000000483098_00345_46480_5209.N1	DC map used
GOM_TRA_1PNPDE20110119_211821_000000393098_00345_46480_5210.N1	DC map used
GOM_TRA_1PNPDE20110119_212001_000000463098_00345_46480_5211.N1	DC map used
GOM_TRA_1PNPDE20110119_213603_000000483098_00345_46480_5212.N1	DC map used
GOM_TRA_1PNPDE20110119_214009_000000413098_00345_46480_5213.N1	DC map used
GOM_TRA_1PNPDE20110119_214435_000000403098_00345_46480_5214.N1	DC map used
GOM_TRA_1PNPDE20110119_215338_000000373098_00345_46480_5215.N1	DC map used
GOM_TRA_1PNPDE20110119_215557_000000473098_00345_46480_5216.N1	DC map used
GOM_TRA_1PNPDE20110119_220239_000000663098_00345_46480_5217.N1	DC map used
GOM_TRA_1PNPDE20110119_220442_000000593098_00345_46480_5218.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

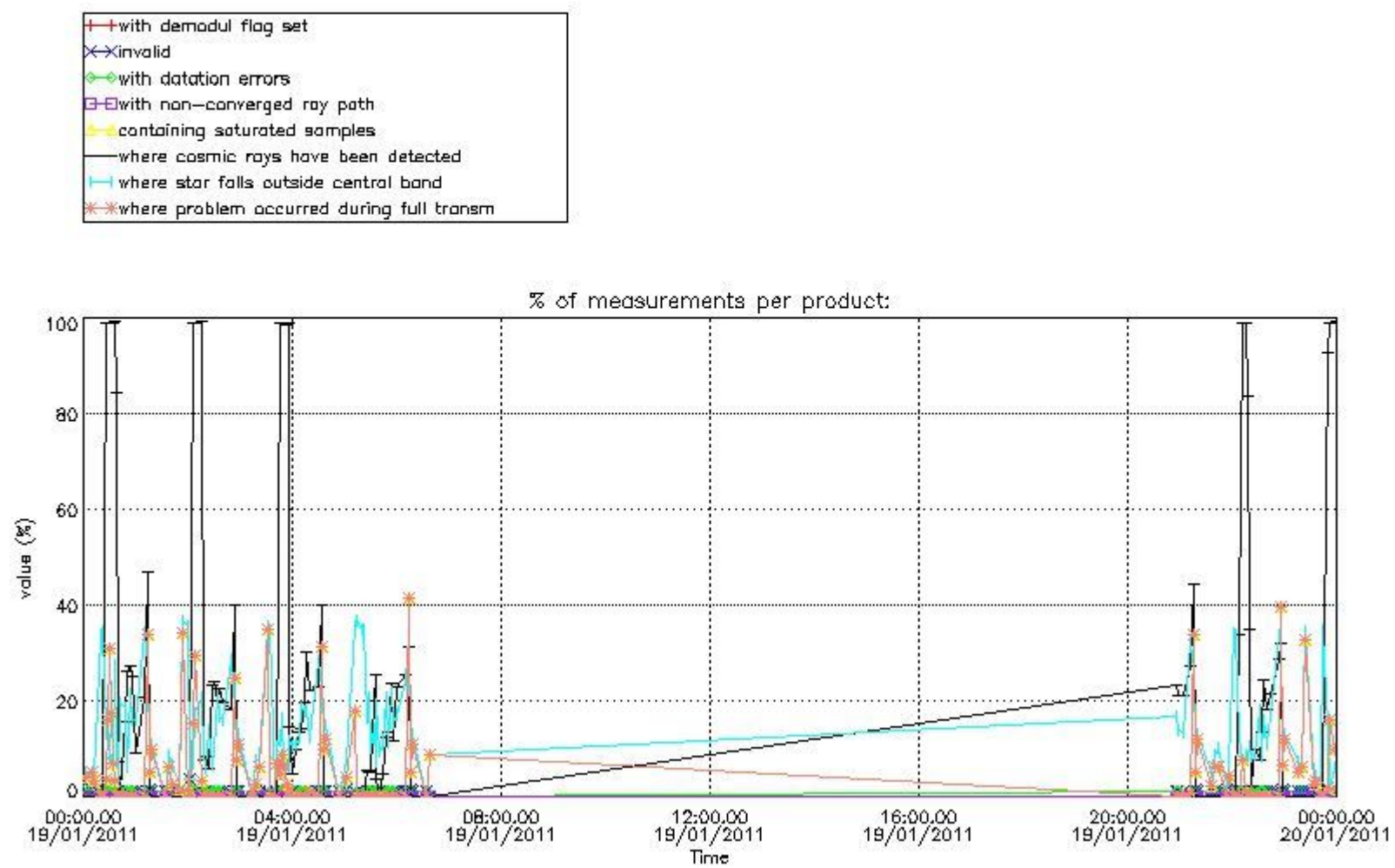
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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



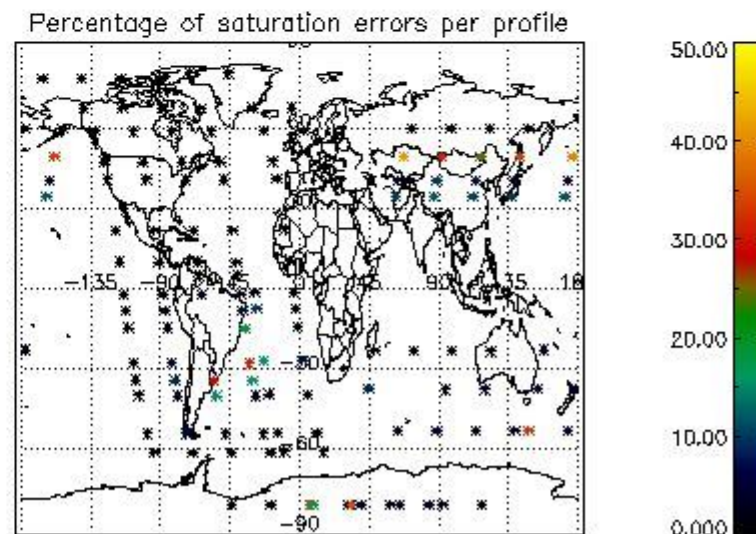
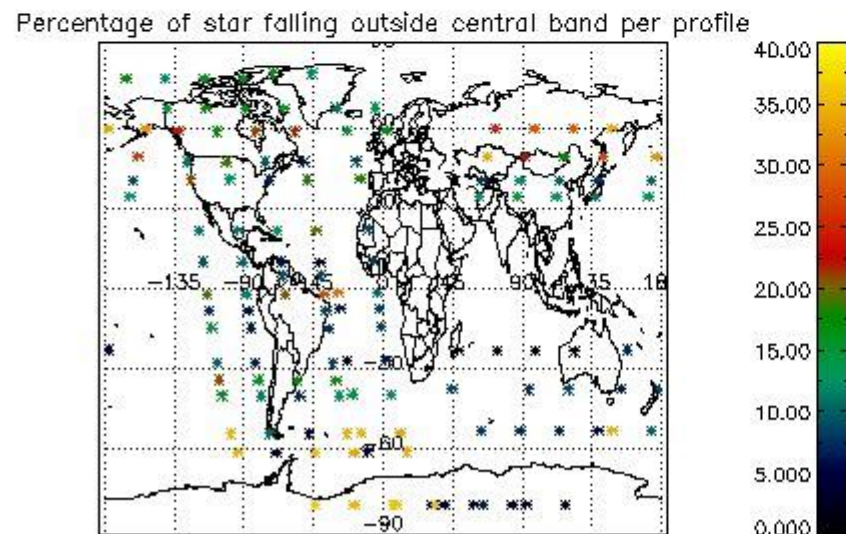
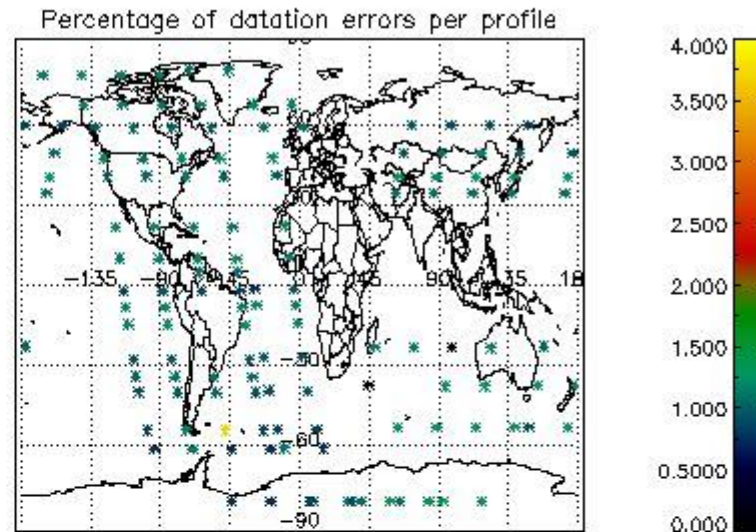
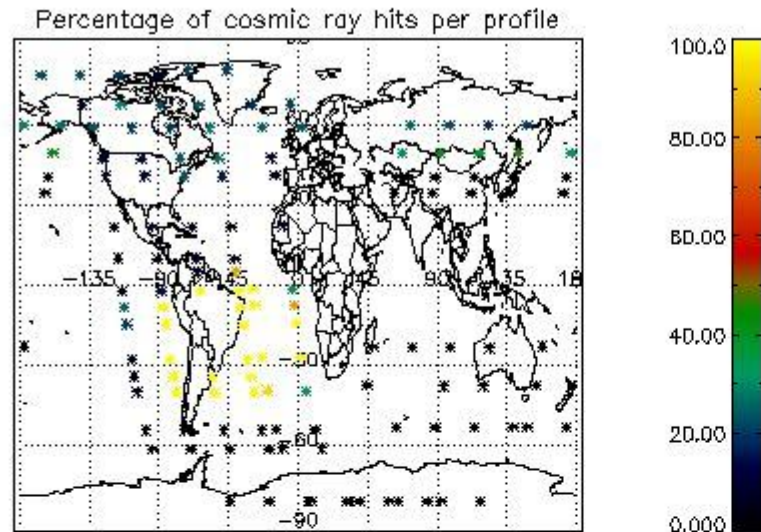
At least one measurement with demodulation flag set:	49.6296 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





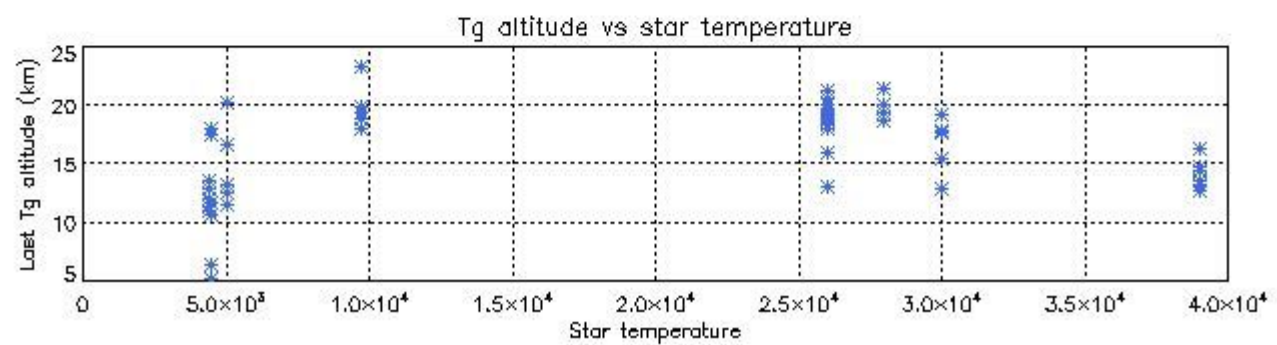
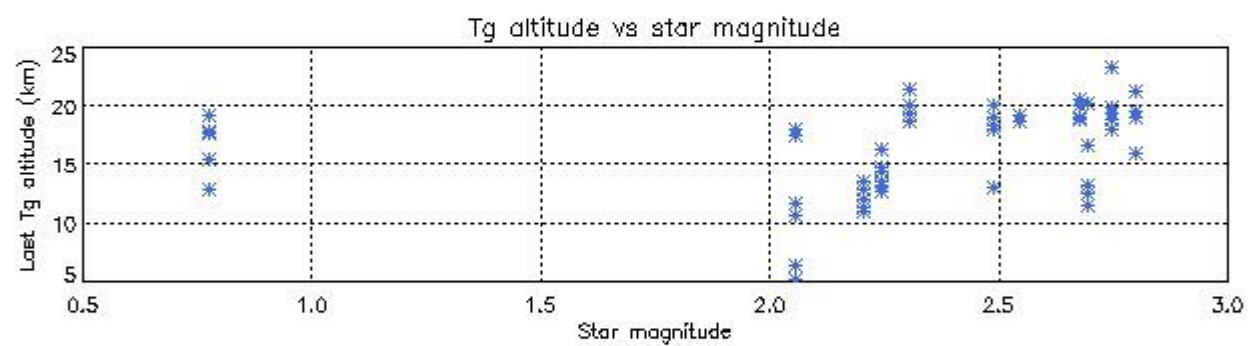
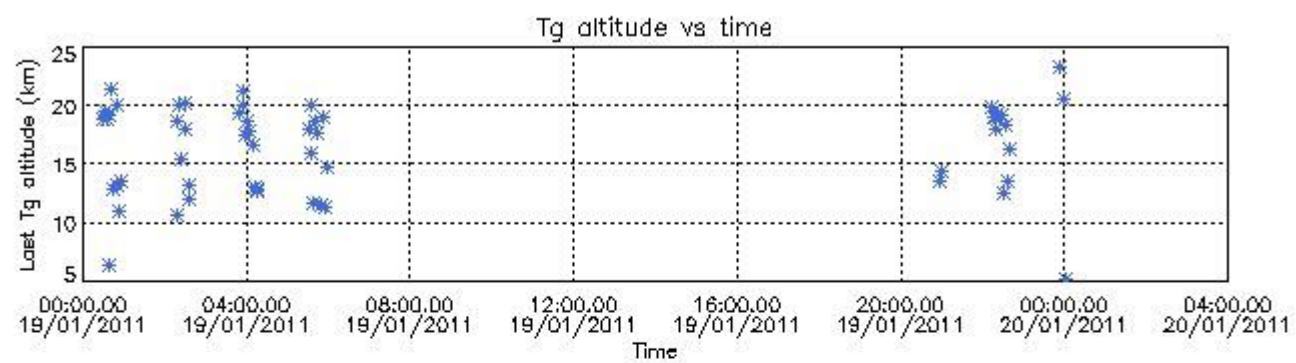
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.358	15.300	12.133
St. deviation:	3.8949	8.0296	0.92321
Maximum:	23.370	31.545	12.852
Minimum:	5.1730	3.3868	10.780
Number of data:	54.000	59.000	4.0000

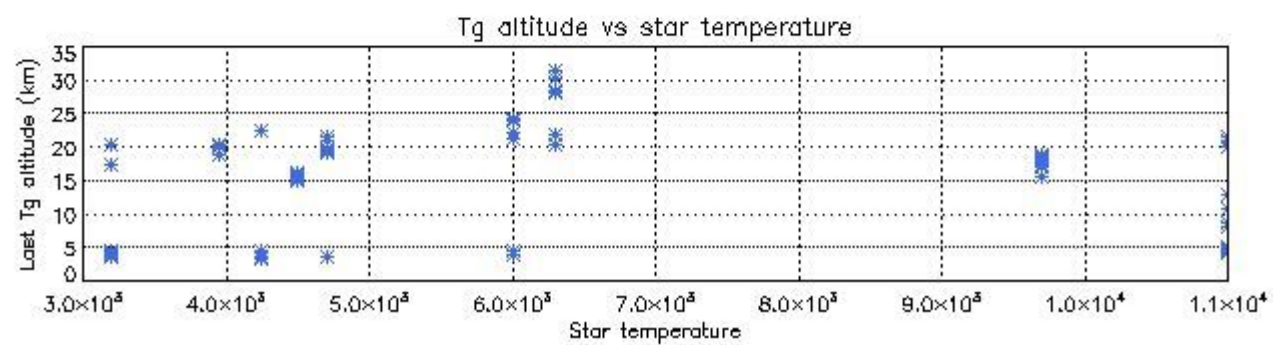
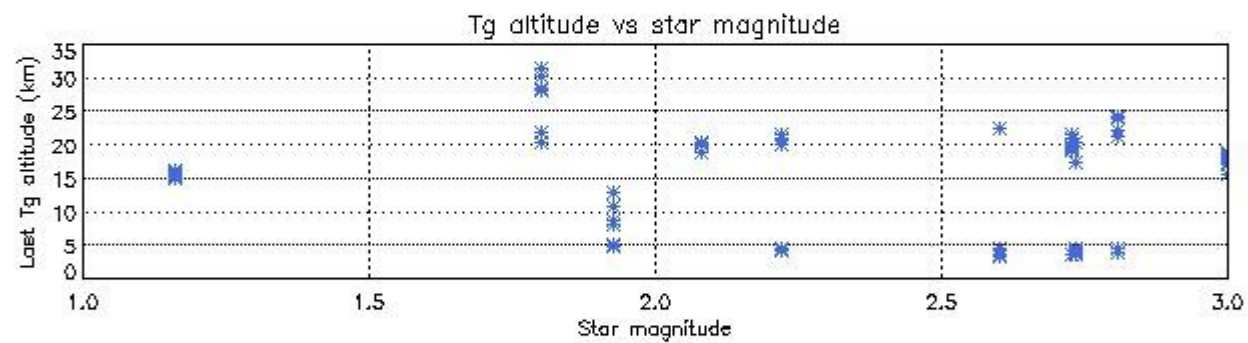
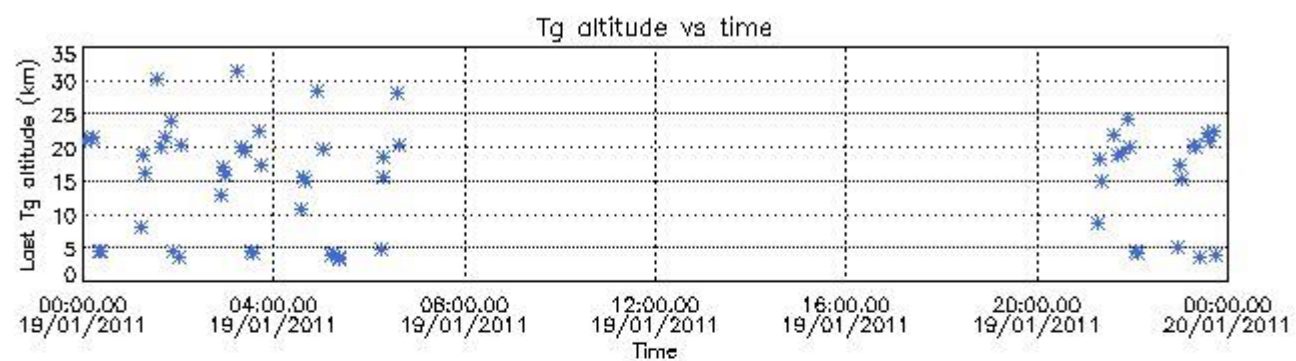
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

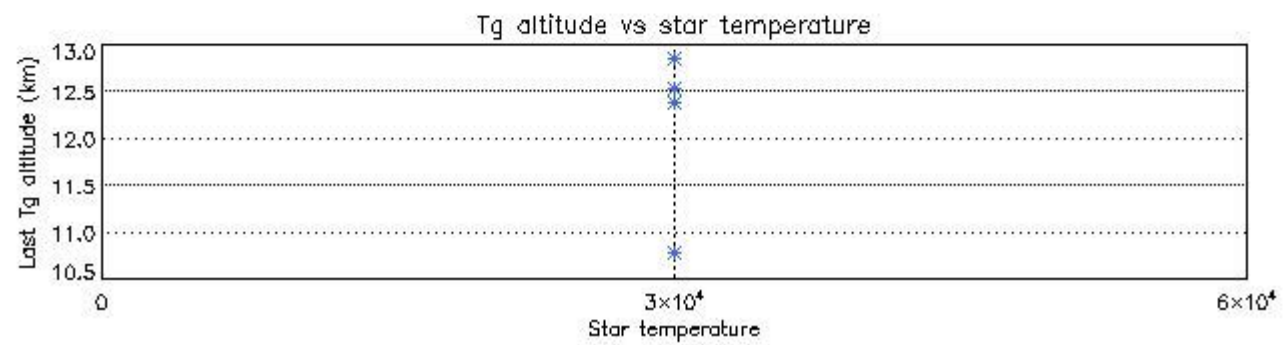
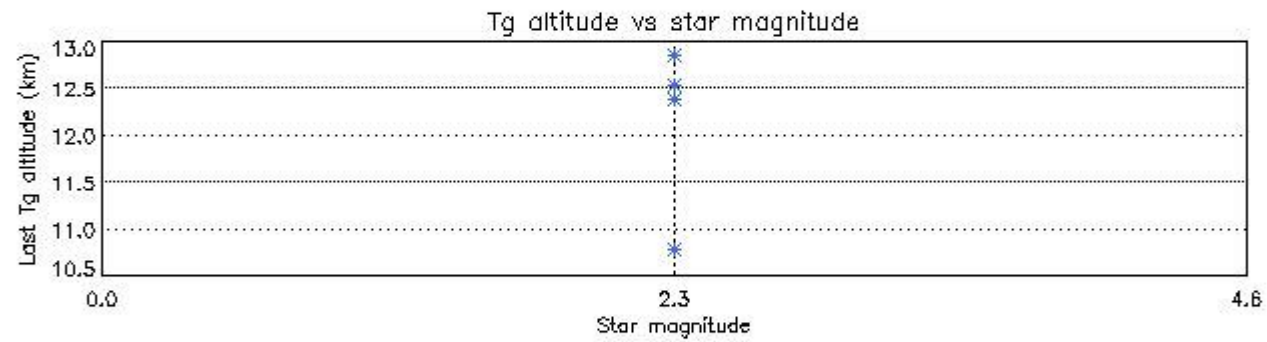
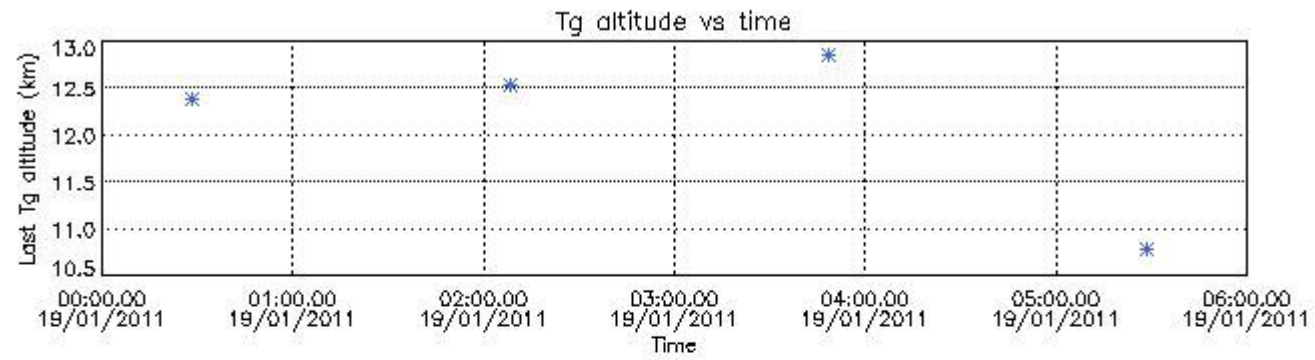
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



Tangent altitude at which the star is lost

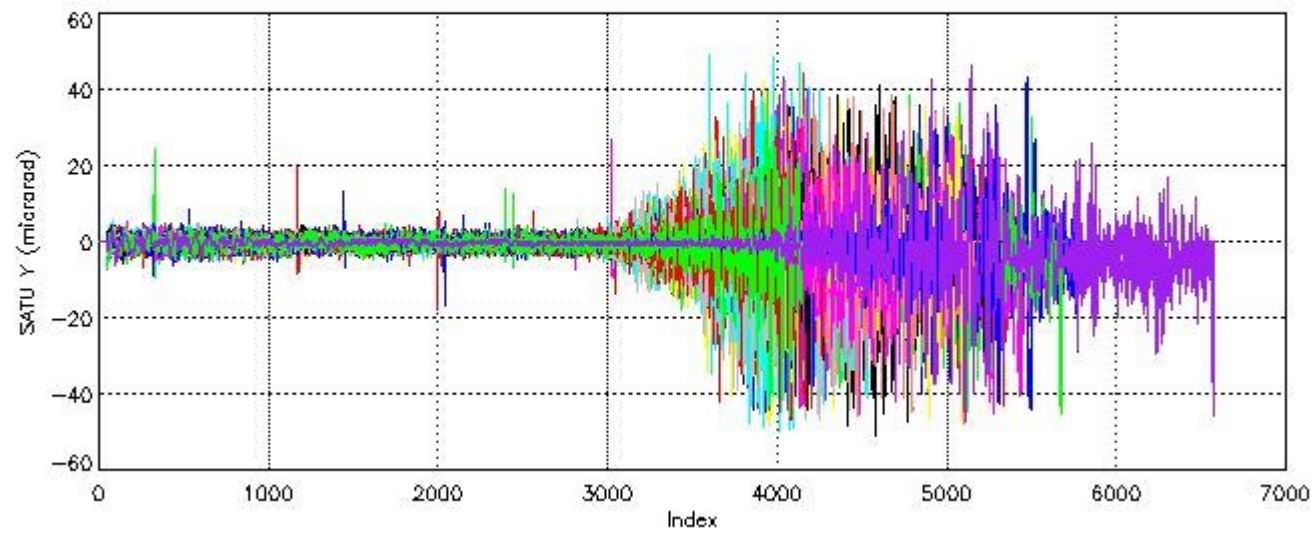
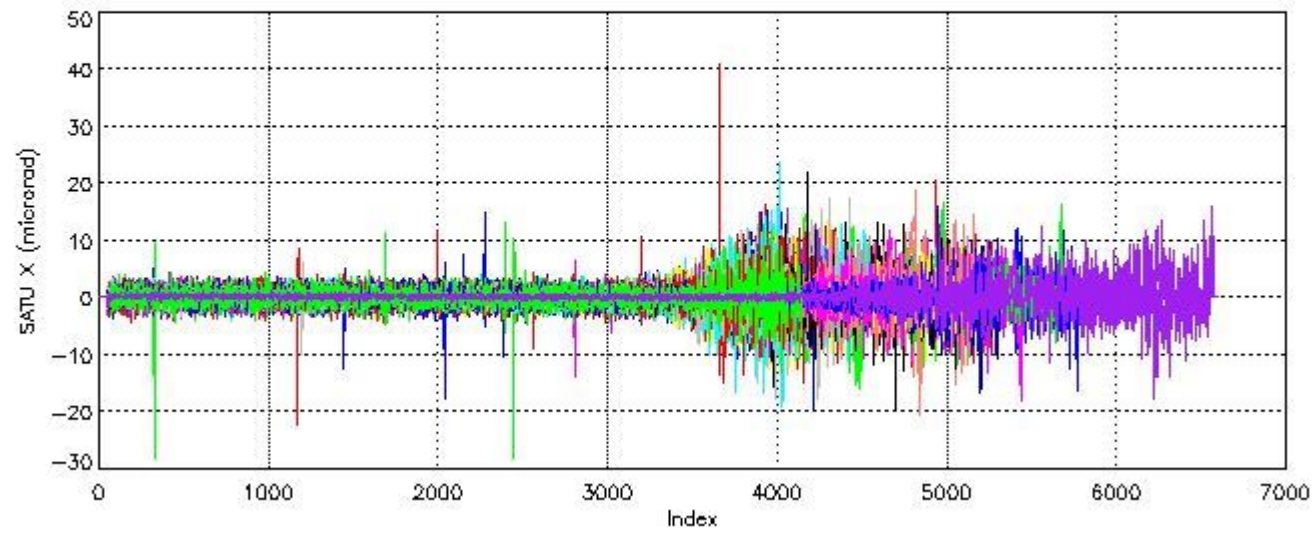


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.19623	-0.38349	0.16637	-0.37714
St. deviation:	0.73368	1.1916	0.56607	0.94227
Maximum:	9.6000	24.000	3.7000	4.9000
Minimum:	-28.100	-9.5000	-3.9000	-5.5000

Number of data:	57750.	57750.	57850.	57850.
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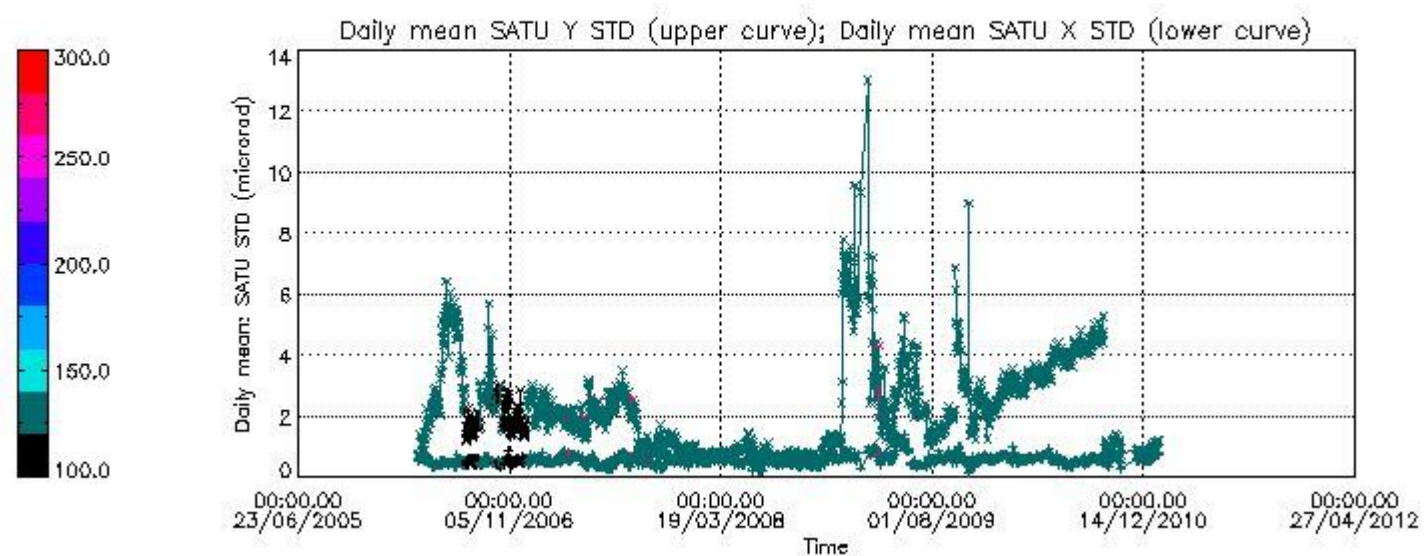
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

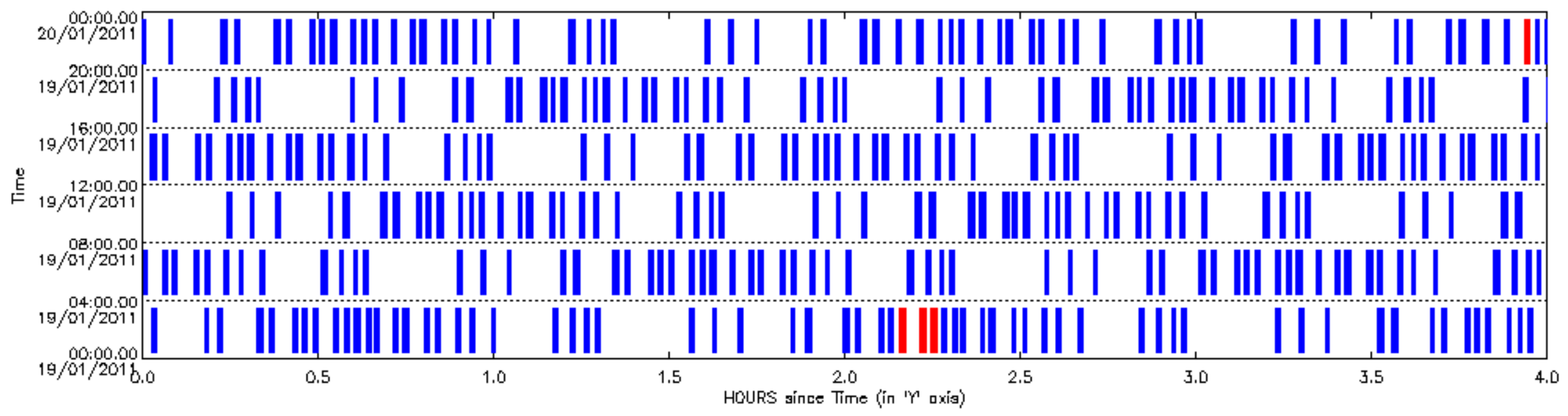


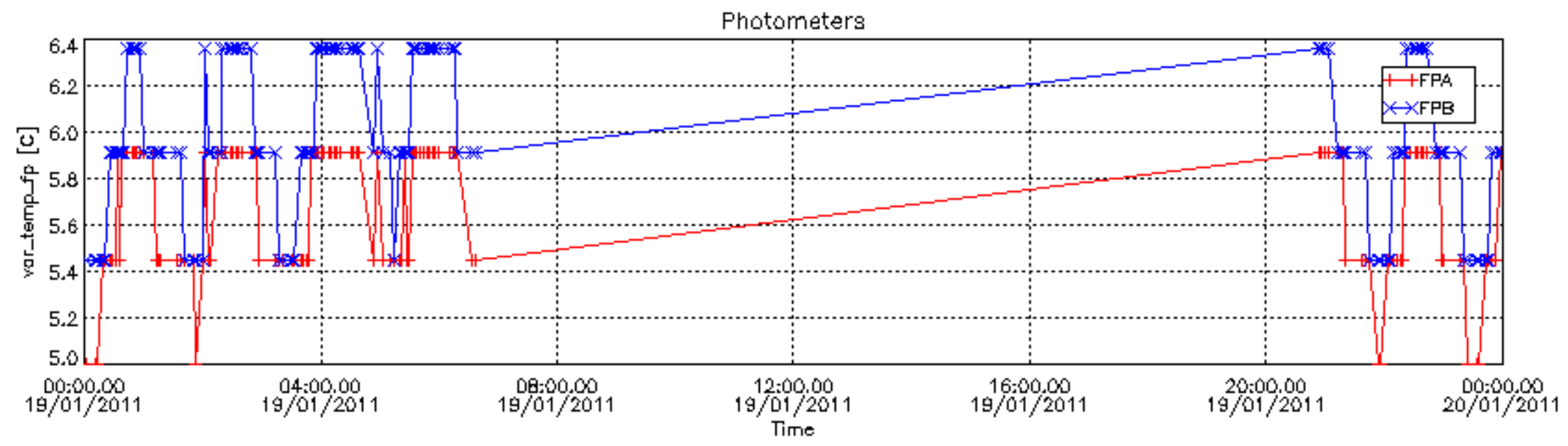
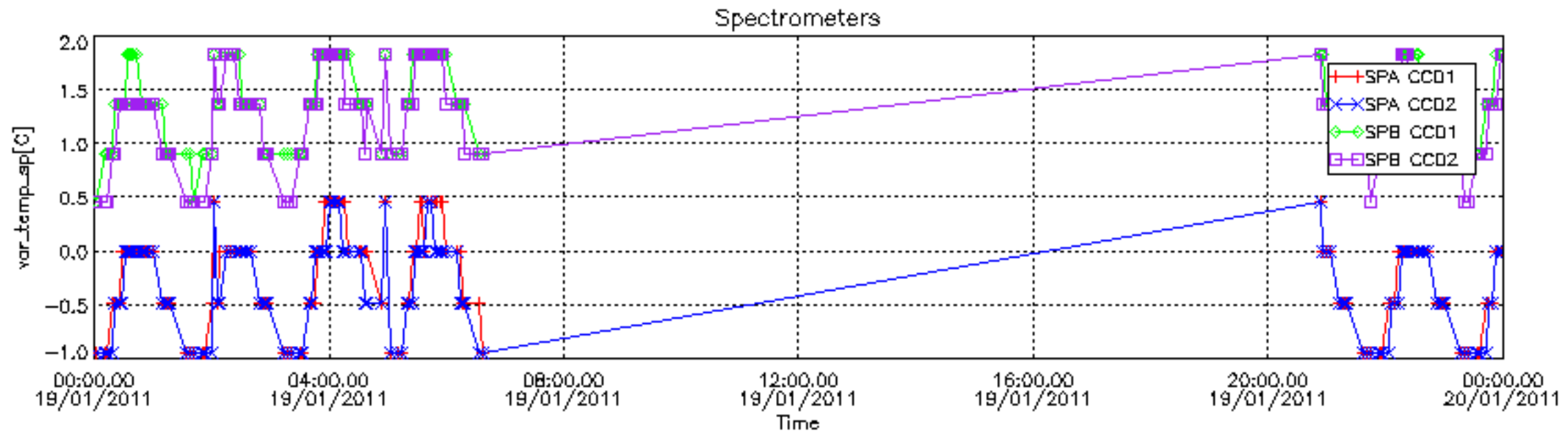
### 8. Auxiliary Data Files used for the production reported in section 2.4

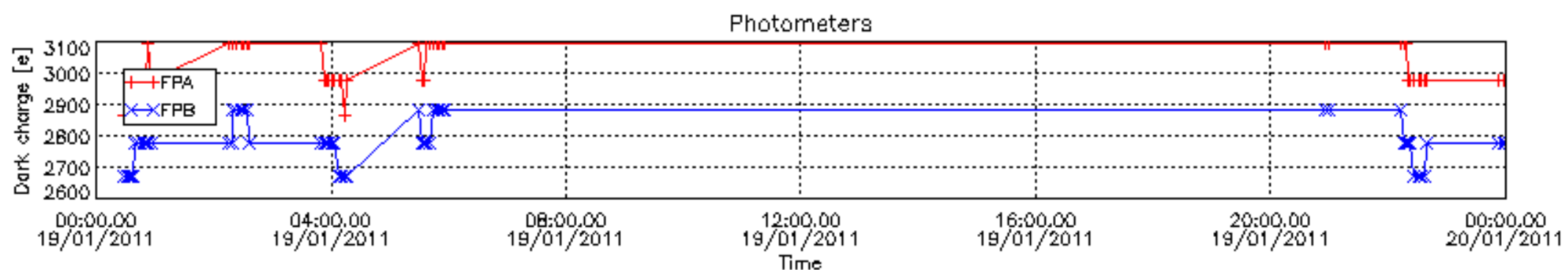
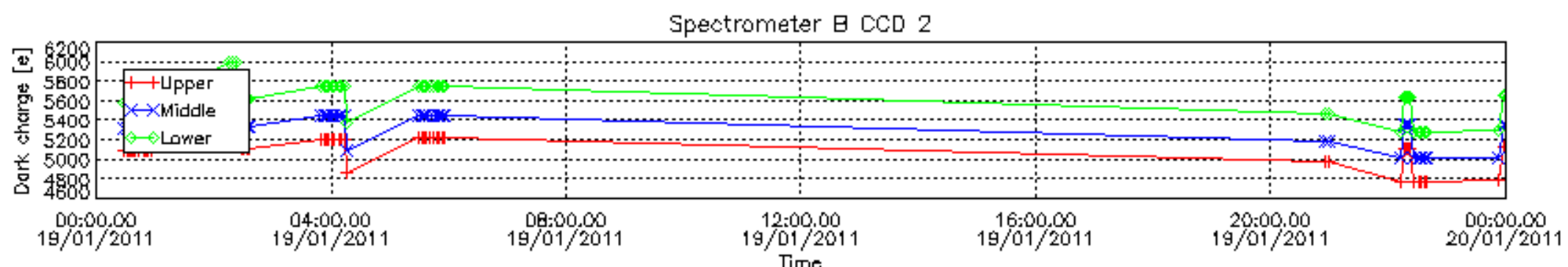
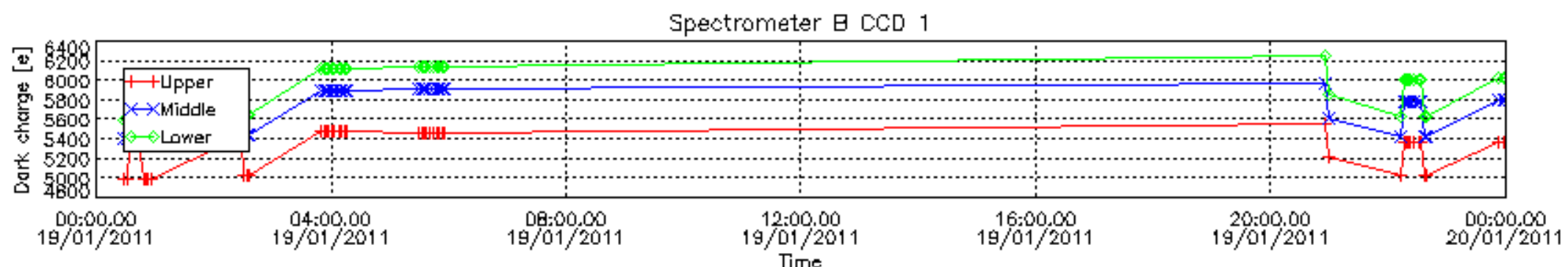
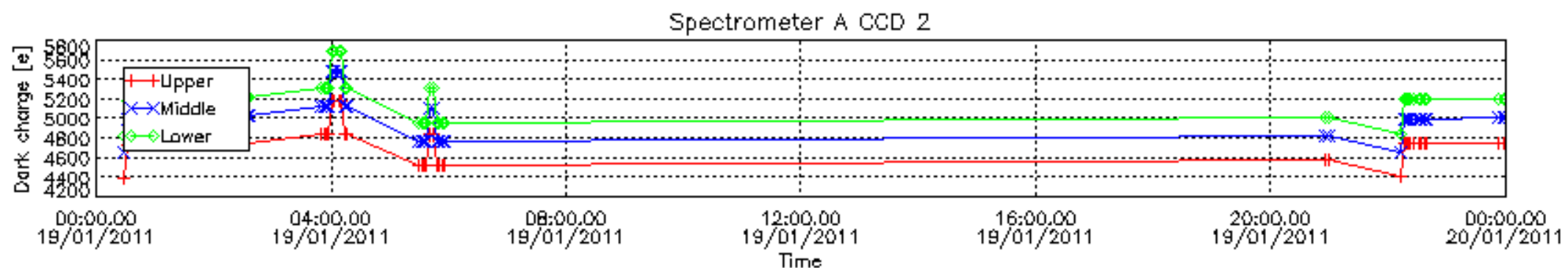
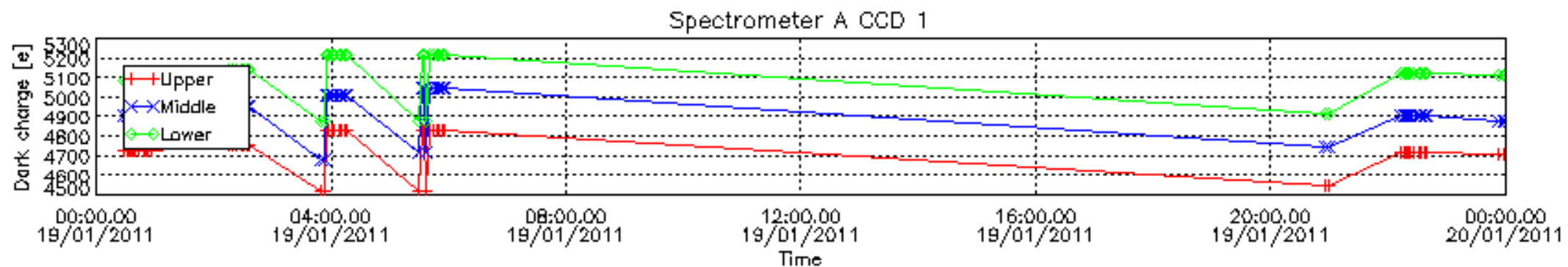
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-JAN-2011 00:01:34
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110111_101345_20110110_000000_20500101_000000	1	19-JAN-2011 00:01:34
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110118_083541_20110117_000000_20500101_000000	96	19-JAN-2011 20:52:58
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	19-JAN-2011 00:01:34
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	19-JAN-2011 00:01:34
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	19-JAN-2011 00:01:34
ECMWF_FILE	AUX_ECF_AXNECM20110118_052116_20110118_210000_20110119_090000	1	19-JAN-2011 00:01:34
ECMWF_FILE	AUX_ECF_AXNECM20110118_170923_20110119_030000_20110119_150000	47	19-JAN-2011 03:17:37
ECMWF_FILE	AUX_ECA_AXNECM20110119_052115_20110118_210000_20110119_090000	71	19-JAN-2011 04:57:51
ECMWF_FILE	AUX_ECF_AXNECM20110119_052116_20110119_150000_20110120_030000	96	19-JAN-2011 20:52:58
ECMWF_FILE	AUX_ECF_AXNECM20110119_052117_20110119_210000_20110120_090000	111	19-JAN-2011 22:08:48
OPTIONAL_ECMWF_FILE	MISSING	1	19-JAN-2011 00:01:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110118_224346_000057383098_00331_46466_2352.N1	1	19-JAN-2011 00:01:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110119_001924_000057383098_00332_46467_2353.N1	6	19-JAN-2011 00:25:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110119_020021_000041443098_00333_46468_2354.N1	30	19-JAN-2011 02:01:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110119_031444_000057383098_00334_46469_2355.N1	47	19-JAN-2011 03:17:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110119_045541_000057383098_00335_46470_2356.N1	71	19-JAN-2011 04:57:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110119_205203_000041443098_00345_46480_2357.N1	96	19-JAN-2011 20:52:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110119_220626_000057383098_00345_46480_2358.N1	111	19-JAN-2011 22:08:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110119_234723_000054193098_00346_46481_2359.N1	134	19-JAN-2011 23:49:03

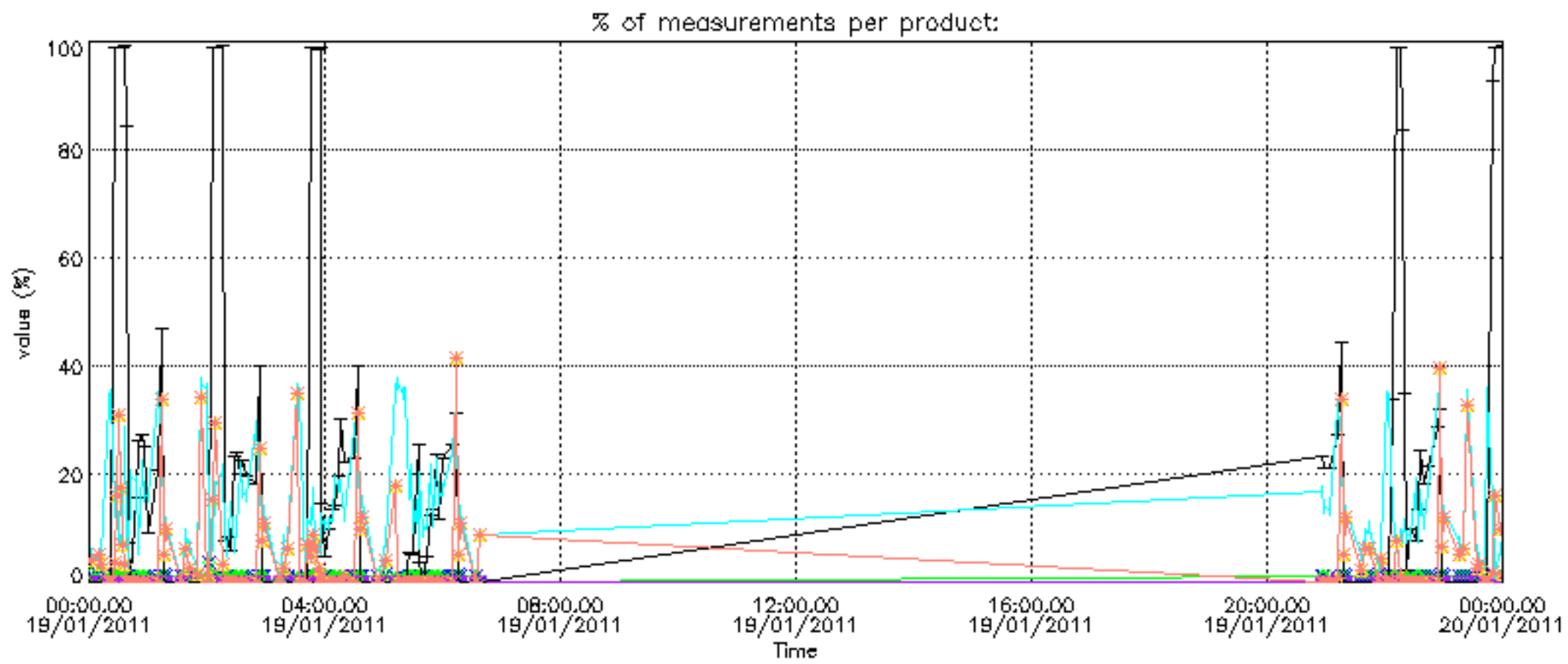




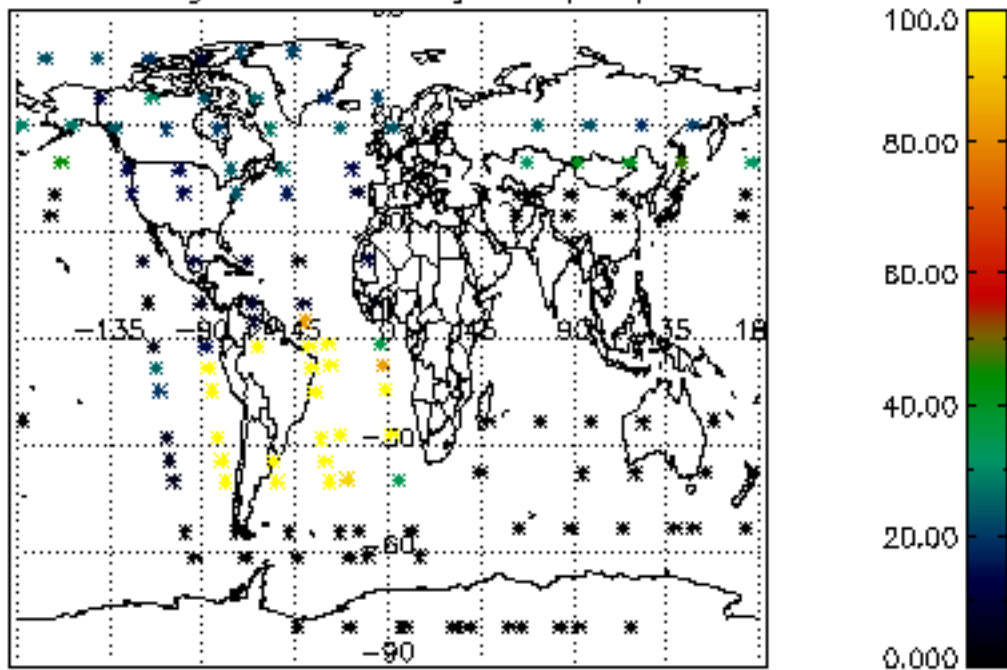




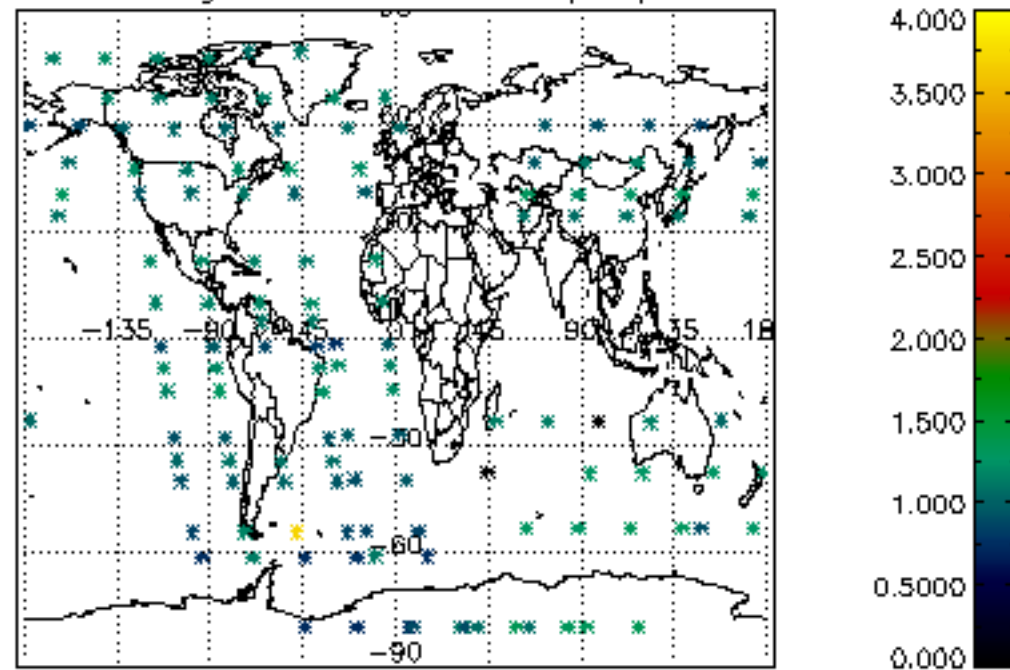




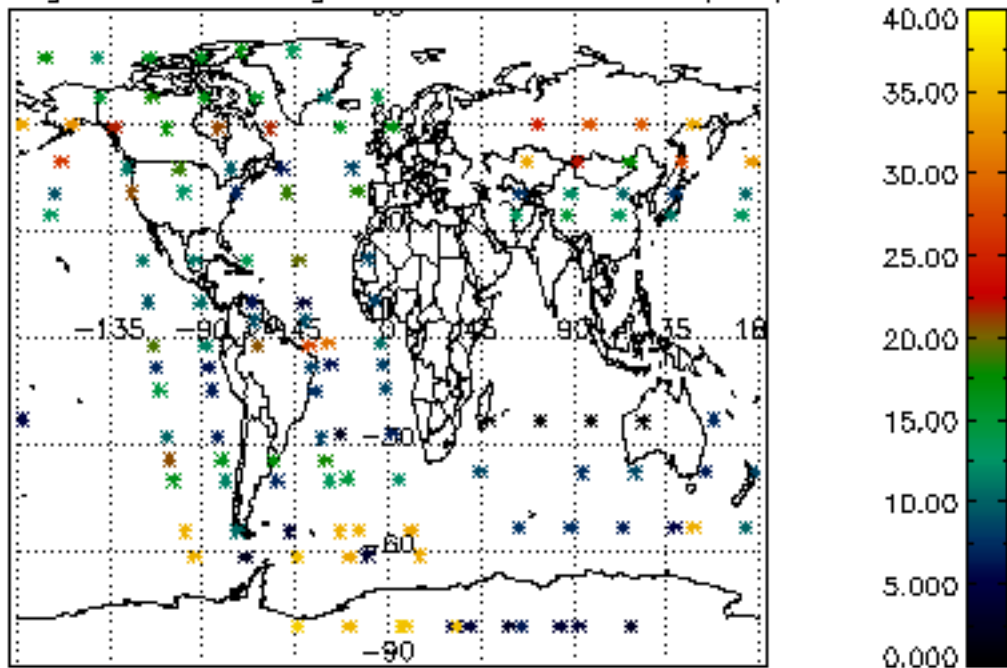
Percentage of cosmic ray hits per profile



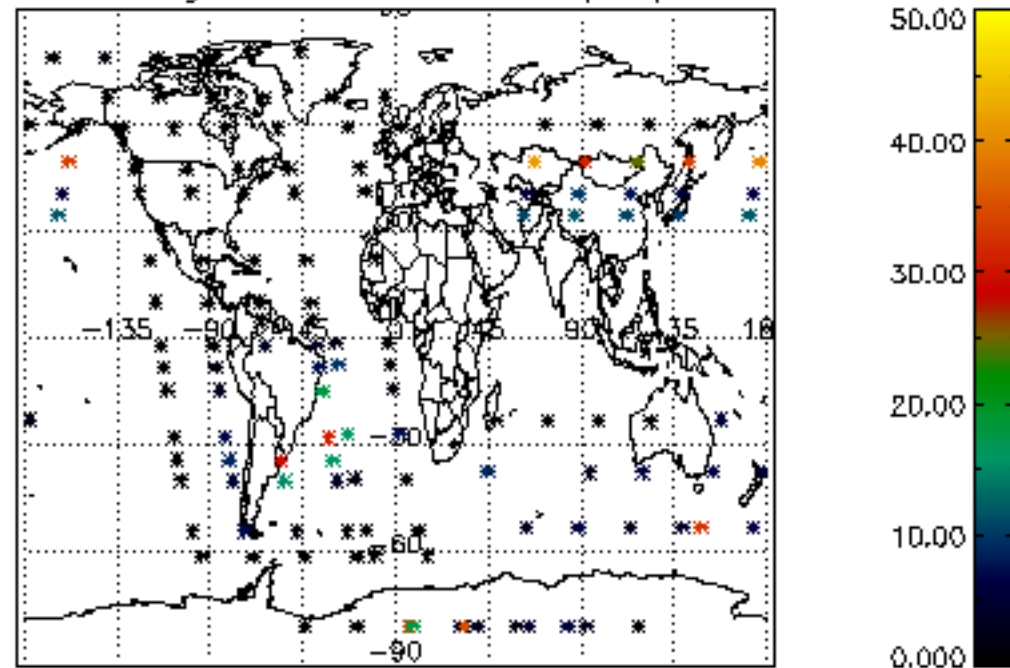
Percentage of datation errors per profile



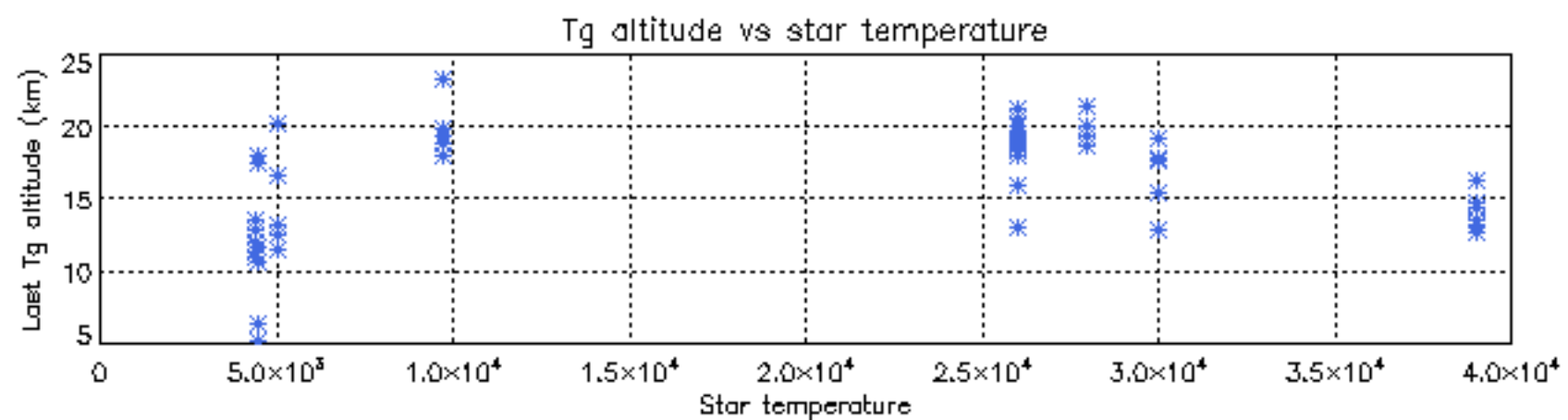
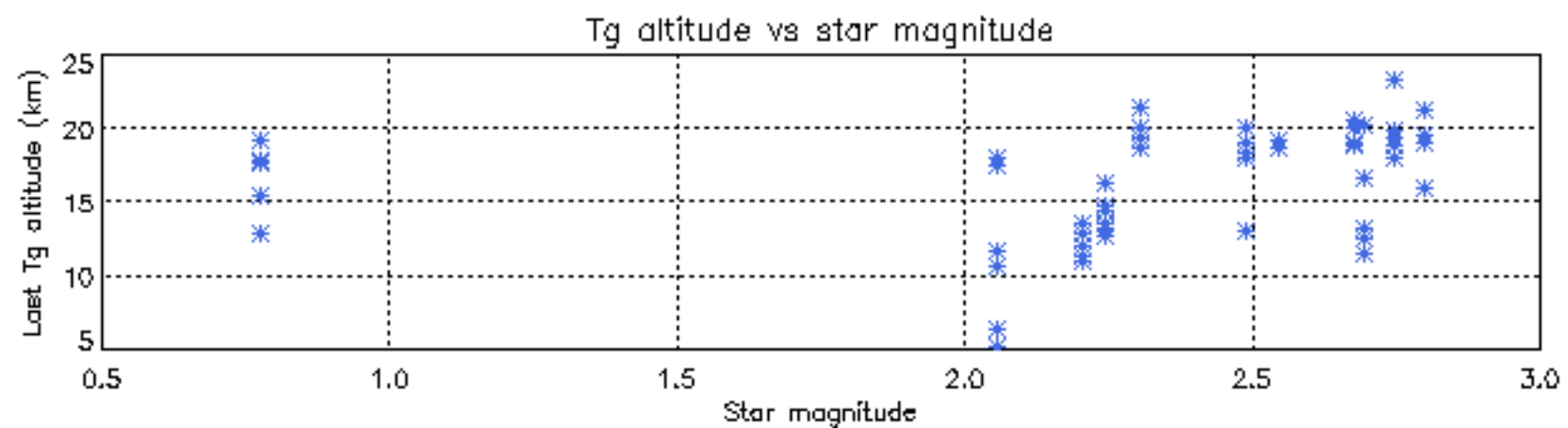
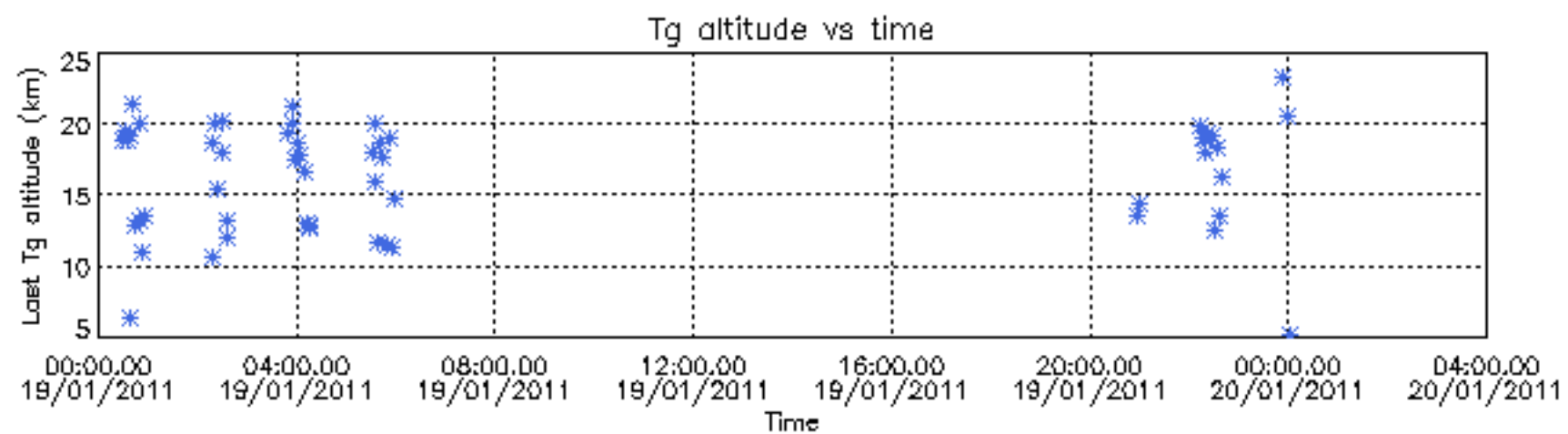
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

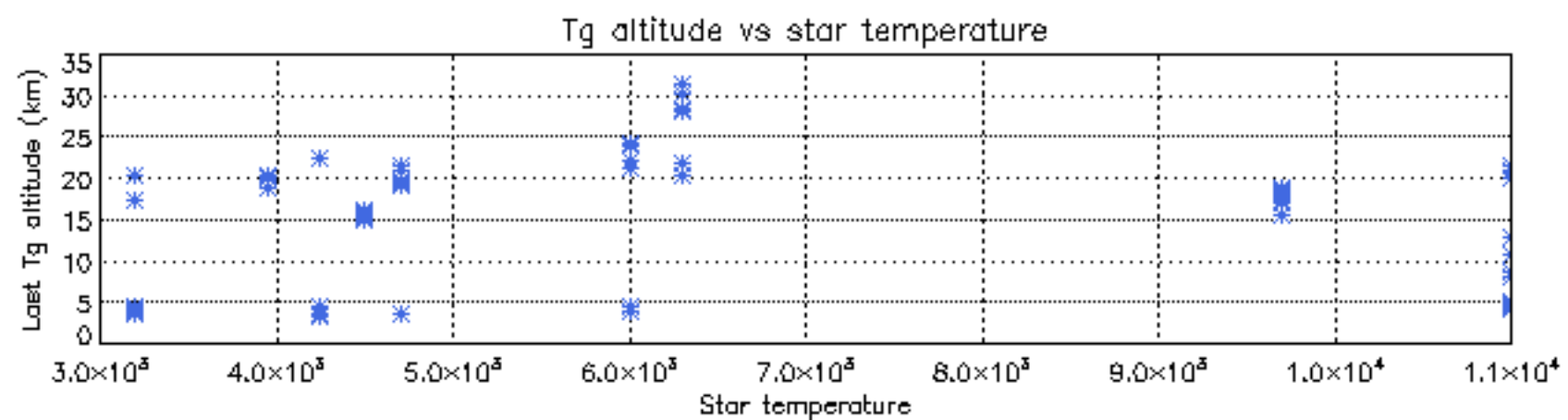
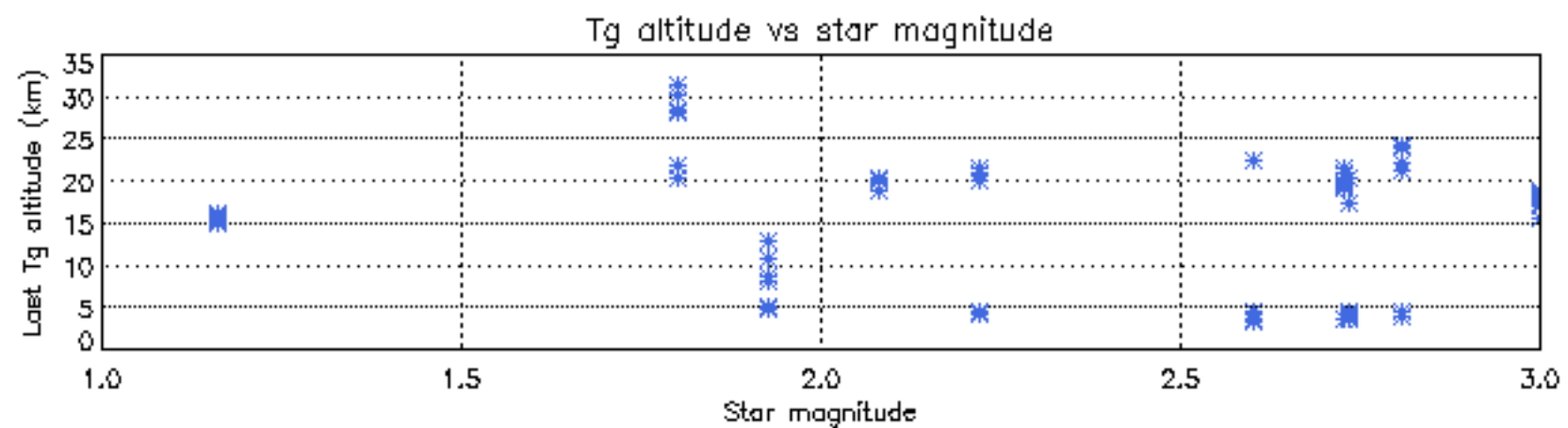
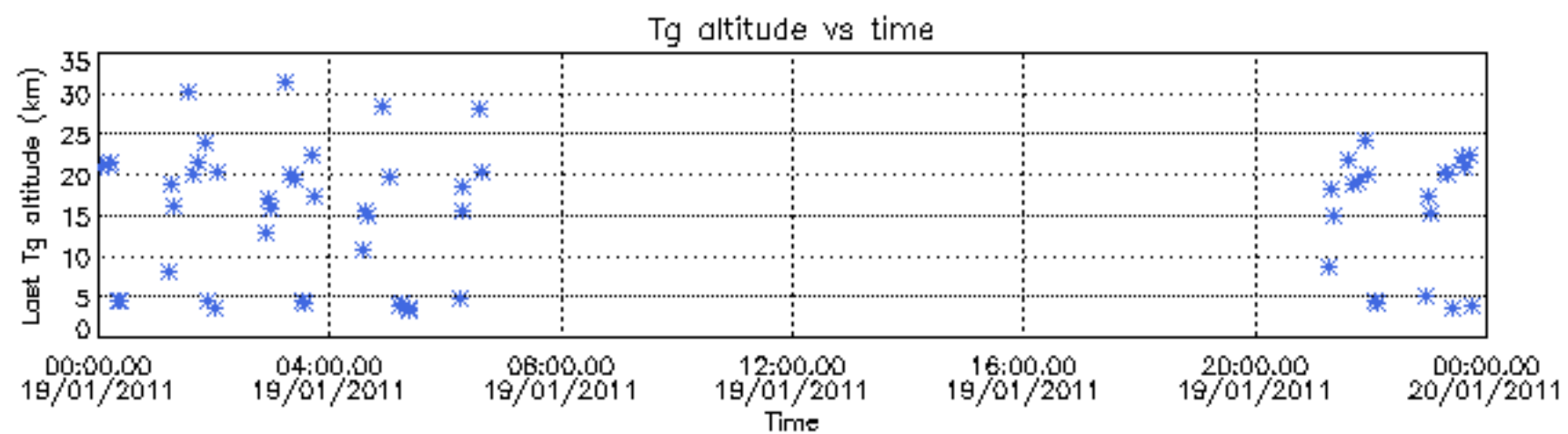


Tangent altitude at which the star is lost

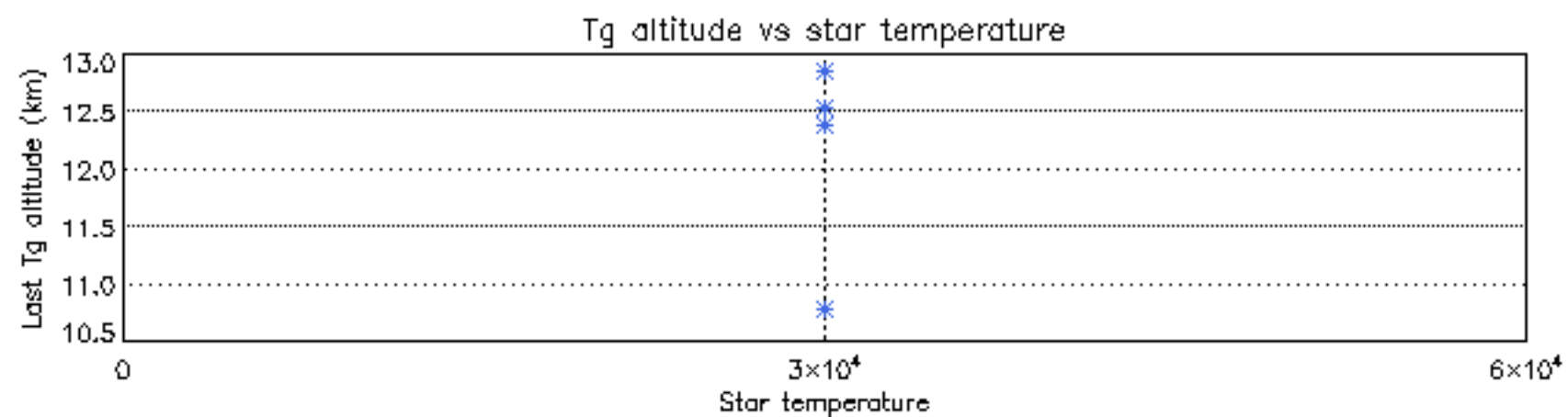
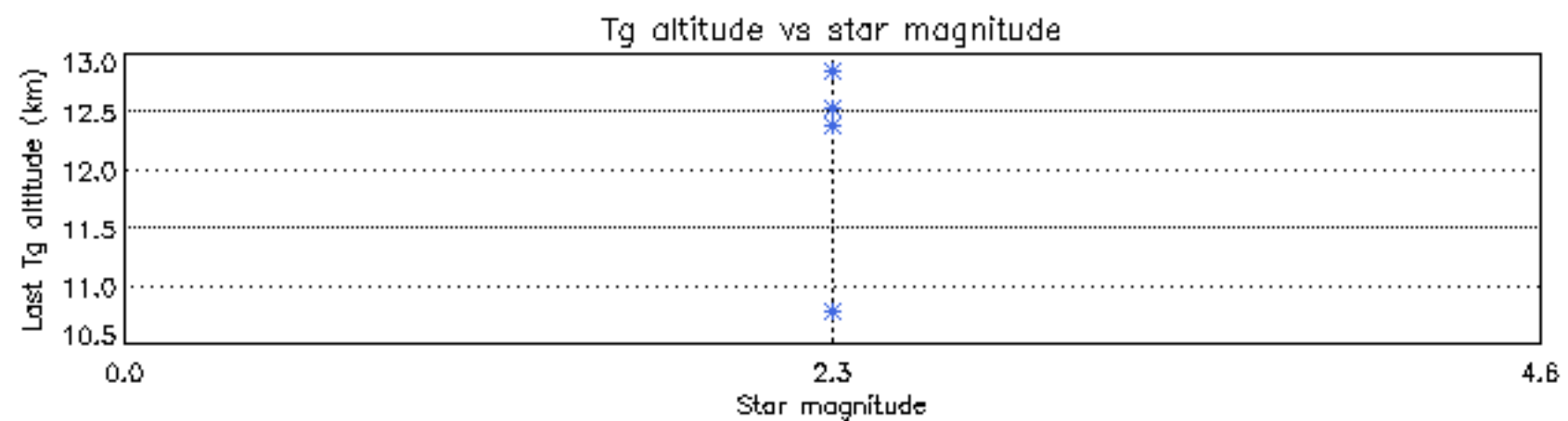
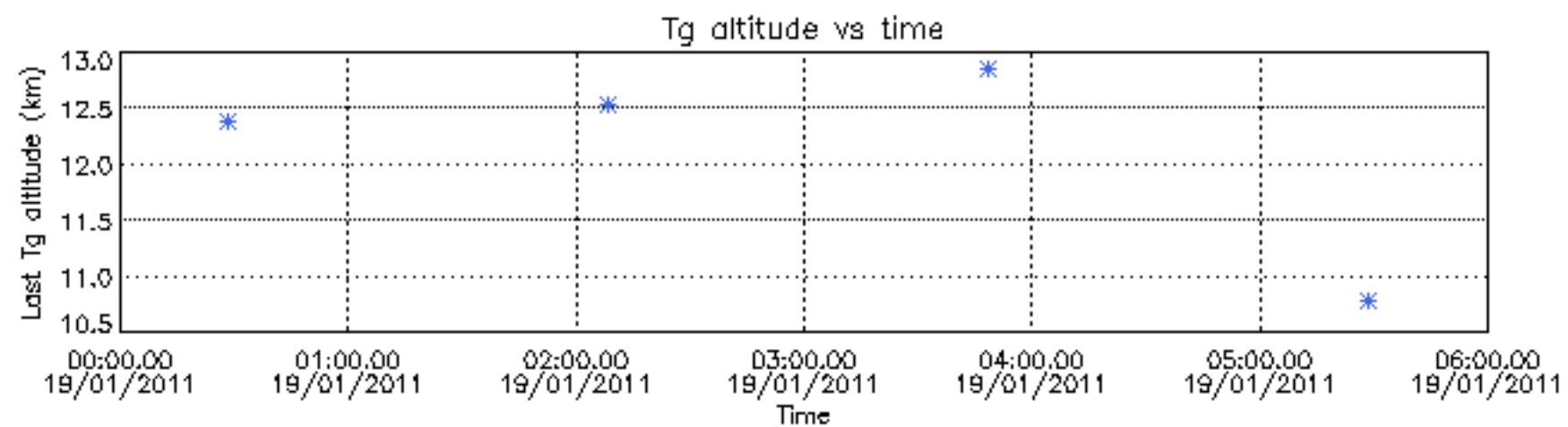


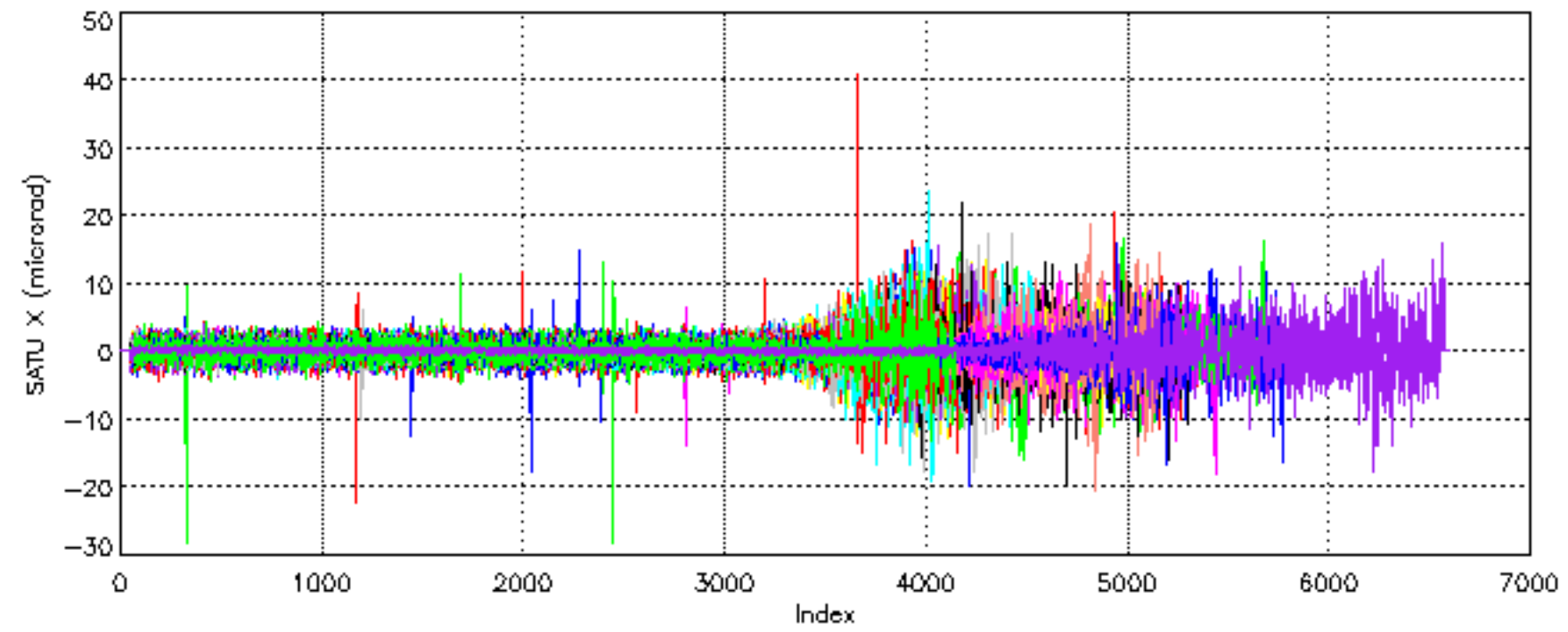


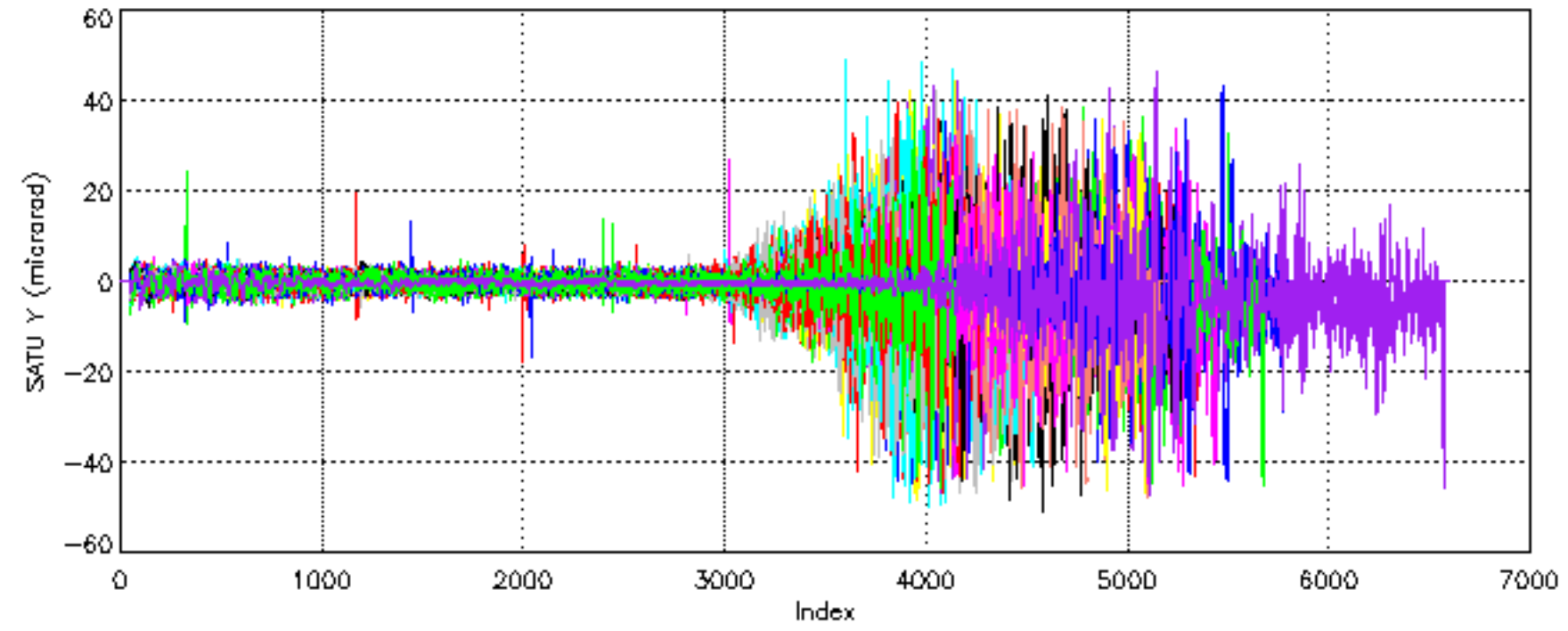
Tangent altitude at which the star is lost



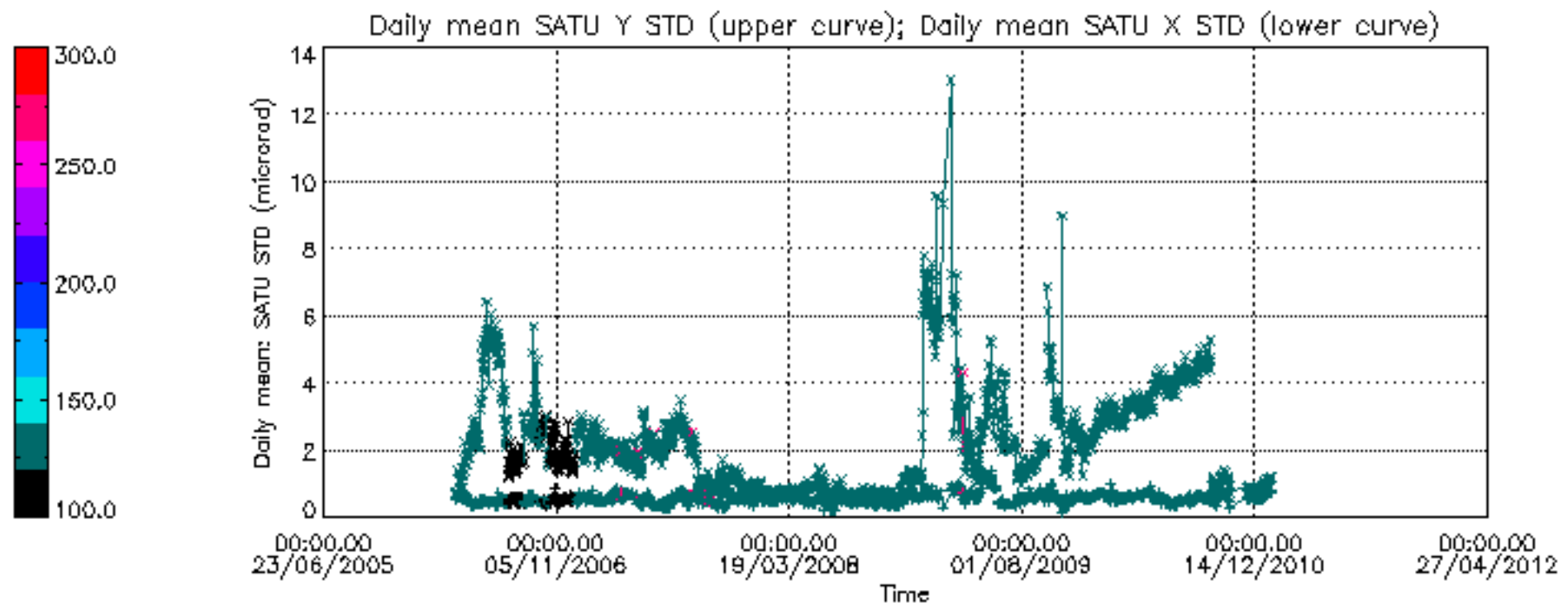
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20110101\_012508\_000094163098\_00074\_46209\_2000.N1

1;	-684.4;	01-JAN-2011	01:25:08;	Dark	;	45.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	90;	0;	46209
2;	-272.2;	01-JAN-2011	01:32:00;	Dark	;	43.0;	54;	5The Cen	;	2.06;	4500;	occ;	86;	0;	46209
3;	-3.0;	01-JAN-2011	01:36:29;	Dark	;	40.5;	77;	Eps Cen	;	2.30;	28000;	occ;	81;	0;	46210
4;	102.2;	01-JAN-2011	01:38:14;	Dark	;	45.0;	64;	Gam Cen	;	2.20;	10600;	occ;	90;	0;	46210
5;	211.5;	01-JAN-2011	01:40:04;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46210
6;	470.5;	01-JAN-2011	01:44:23;	Dark	;	48.0;	113;	Mu Vel	;	2.69;	5000;	occ;	96;	0;	46210
7;	623.9;	01-JAN-2011	01:46:56;	Dark	;	48.5;	71;	Iot Car	;	2.25;	7700;	occ;	97;	0;	46210
8;	738.0;	01-JAN-2011	01:48:50;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;	occ;	85;	0;	46210
9;	908.3;	01-JAN-2011	01:51:41;	Dark	;	48.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	97;	0;	46210
10;	1039.2;	01-JAN-2011	01:53:52;	Dark	;	49.5;	70;	Zet Pup	;	2.25;	39000;	occ;	99;	0;	46210
11;	1163.5;	01-JAN-2011	01:55:56;	Dark	;	49.0;	117;	Pi Pup	;	2.71;	3800;	occ;	98;	0;	46210
12;	1330.9;	01-JAN-2011	01:58:43;	Dark	;	47.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	94;	0;	46210
13;	1423.0;	01-JAN-2011	02:00:15;	Dark	;	45.0;	179;	240mi2CMa	;	3.03;	24000;	occ;	90;	0;	46210
14;	1570.3;	01-JAN-2011	02:02:43;	Dark	;	53.0;	1;	9Alp CMa	;	-1.44;	11000;	occ;	106;	0;	46210
15;	1719.7;	01-JAN-2011	02:05:12;	Dark	;	42.5;	56;	53Kap Ori	;	2.07;	30000;	occ;	85;	0;	46210
16;	1869.3;	01-JAN-2011	02:07:42;	Dark	;	45.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	91;	0;	46210
17;	2019.8;	01-JAN-2011	02:10:12;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	46210
18;	2214.1;	01-JAN-2011	02:13:26;	Dark	;	48.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	97;	0;	46210
19;	2312.3;	01-JAN-2011	02:15:05;	Bright;	;	48.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	96;	0;	46210
20;	2551.7;	01-JAN-2011	02:19:04;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;	occ;	78;	0;	46210
21;	2677.4;	01-JAN-2011	02:21:10;	Bright;	;	40.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	81;	0;	46210
22;	3671.8;	01-JAN-2011	02:37:44;	Bright;	;	55.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	110;	0;	46210
23;	3889.5;	01-JAN-2011	02:41:22;	Bright;	;	48.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	96;	0;	46210
24;	4086.7;	01-JAN-2011	02:44:39;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	46210
25;	4331.1;	01-JAN-2011	02:48:43;	Bright;	;	40.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	80;	0;	46210
26;	4552.2;	01-JAN-2011	02:52:24;	Bright;	;	62.0;	83;		;	2.38;	11000;	occ;	124;	0;	46210
27;	4747.8;	01-JAN-2011	02:55:40;	Bright;	;	54.0;	3;	16Alp Boo	;	-0.05;	4250;	occ;	108;	0;	46210
28;	4868.3;	01-JAN-2011	02:57:41;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	108;	0;	46210
29;	5171.3;	01-JAN-2011	03:02:44;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	0;	46210
30;	5330.2;	01-JAN-2011	03:05:23;	Dark	;	44.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	89;	0;	46210
31;	5742.5;	01-JAN-2011	03:12:15;	Dark	;	49.0;	54;	5The Cen	;	2.06;	4500;	occ;	98;	0;	46210
32;	5907.7;	01-JAN-2011	03:15:00;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;	occ;	80;	0;	46210
33;	6011.7;	01-JAN-2011	03:16:44;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;	occ;	79;	0;	46211
34;	6117.0;	01-JAN-2011	03:18:29;	Dark	;	45.0;	64;	Gam Cen	;	2.20;	10600;	occ;	90;	0;	46211
35;	6226.4;	01-JAN-2011	03:20:19;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46211
36;	6485.7;	01-JAN-2011	03:24:38;	Dark	;	49.0;	113;	Mu Vel	;	2.69;	5000;	occ;	98;	0;	46211
37;	6638.6;	01-JAN-2011	03:27:11;	Dark	;	42.5;	71;	Iot Car	;	2.25;	7700;	occ;	85;	0;	46211
38;	6752.6;	01-JAN-2011	03:29:05;	Dark	;	45.0;	46;	Del Vel	;	1.95;	10600;	occ;	90;	0;	46211
39;	6923.2;	01-JAN-2011	03:31:56;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	93;	0;	46211
40;	7054.0;	01-JAN-2011	03:34:06;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;	occ;	91;	0;	46211
41;	7178.0;	01-JAN-2011	03:36:10;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;	occ;	94;	0;	46211
42;	7345.3;	01-JAN-2011	03:38:58;	Dark	;	46.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	92;	0;	46211
43;	7437.3;	01-JAN-2011	03:40:30;	Dark	;	46.0;	179;	240mi2CMa	;	3.03;	24000;	occ;	92;	0;	46211
44;	7584.6;	01-JAN-2011	03:42:57;	Dark	;	53.0;	1;	9Alp CMa	;	-1.44;	11000;	occ;	106;	0;	46211
45;	7733.8;	01-JAN-2011	03:45:26;	Dark	;	44.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	88;	0;	46211
46;	7883.6;	01-JAN-2011	03:47:56;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	89;	0;	46211
47;	8034.0;	01-JAN-2011	03:50:26;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	46211
48;	8228.0;	01-JAN-2011	03:53:40;	Dark	;	44.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	89;	0;	46211
49;	8326.2;	01-JAN-2011	03:55:18;	Bright;	;	43.5;	151;	13Mu Gem	;	2.89;	3000;	occ;	87;	0;	46211
50;	8565.6;	01-JAN-2011	03:59:18;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;	occ;	77;	0;	46211
51;	8691.4;	01-JAN-2011	04:01:24;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;	occ;	82;	0;	46211

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1;	-2342.4;	01-JAN-2011	04:17:58;	Bright;	;	39.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	78;	0;	46211
2;	-2124.9;	01-JAN-2011	04:21:36;	Bright;	;	47.5;	32;	77Eps UMa	;	1.76;	11000;	occ;	95;	0;	46211
3;	-1927.5;	01-JAN-2011	04:24:53;	Bright;	;	45.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	90;	0;	46211
4;	-1683.0;	01-JAN-2011	04:28:57;	Bright;	;	42.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	85;	0;	46211
5;	-1461.7;	01-JAN-2011	04:32:39;	Bright;	;	44.0;	83;		;	2.38;	11000;	occ;	88;	0;	46211
6;	-1265.7;	01-JAN-2011	04:35:55;	Bright;	;	54.0;	3;	16Alp Boo	;	-0.05;	4250;	occ;	108;	0;	46211
7;	-1145.5;	01-JAN-2011	04:37:55;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	108;	0;	46211
8;	-842.3;	01-JAN-2011	04:42:58;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	0;	46211
9;	-683.2;	01-JAN-2011	04:45:37;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	91;	0;	46211
10;	-270.8;	01-JAN-2011	04:52:30;	Dark	;	47.0;	54;	5The Cen	;	2.06;	4500;	occ;	94;	0;	46211
11;	-105.9;	01-JAN-2011	04:55:15;	Dark	;	41.5;	95;	Zet Cen	;	2.55;	26000;	occ;	83;	0;	46211
12;	-1.7;	01-JAN-2011	04:56:59;	Dark	;	40.0;	77;	Eps Cen	;	2.30;	28000;	occ;	80;	0;	46212
13;	103.9;	01-JAN-2011	04:58:44;	Dark	;	44.0;	64;	Gam Cen	;	2.20;	10600;	occ;	88;	0;	46212
14;	213.3;	01-JAN-2011	05:00:34;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46212
15;	472.3;	01-JAN-2011	05:04:53;	Dark	;	48.5;	113;	Mu Vel	;	2.69;	5000;	occ;	97;	0;	46212

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16; 625.1; 01-JAN-2011 05:07:26; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46212
17; 739.0; 01-JAN-2011 05:09:19; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46212
18; 909.7; 01-JAN-2011 05:12:10; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;46212
19; 1040.6; 01-JAN-2011 05:14:21; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46212
20; 1164.3; 01-JAN-2011 05:16:25; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46212
21; 1331.7; 01-JAN-2011 05:19:12; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;46212
22; 1423.6; 01-JAN-2011 05:20:44; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46212
23; 1570.7; 01-JAN-2011 05:23:11; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;46212
24; 1720.1; 01-JAN-2011 05:25:41; Dark ; 43.5; 56; 53Kap Ori ; 2.07; 30000;occ; 87; 0;46212
25; 1869.6; 01-JAN-2011 05:28:10; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;46212
26; 2019.7; 01-JAN-2011 05:30:40; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46212
27; 2213.8; 01-JAN-2011 05:33:54; Dark ; 52.5; 44; 24Gam Gem ; 1.93; 11000;occ; 105; 0;46212
28; 2312.0; 01-JAN-2011 05:35:32; Bright; 60.0; 151; 13Mu Gem ; 2.89; 3000;occ; 120; 0;46212
29; 2551.3; 01-JAN-2011 05:39:32; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46212
30; 2677.3; 01-JAN-2011 05:41:38; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;46212
31; 3671.7; 01-JAN-2011 05:58:12; Bright; 11.5; 60; 7Bet UMi ; 2.08; 3950;occ; 23; 0;46212
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 3; 1167.5; 01-JAN-2011 20:18:34; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;46221
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26; 4084.2; 01-JAN-2011 22:47:25; Bright; 67.0; 39; 85Eta UMa ; 1.85; 24000;occ; 134; 0;46222
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28; 4554.6; 01-JAN-2011 22:55:15; Bright; 63.0; 83; ; 2.38; 11000;occ; 126; 0;46222
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3; -668.4; 02-JAN-2011 20:51:29; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;46235
4; -253.1; 02-JAN-2011 20:58:24; Dark ; 48.0; 54; 5The Cen ; 2.06; 4500;occ; 96; 0;46235
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7; 236.5; 02-JAN-2011 22:46:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46237
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9; 3881.7; 02-JAN-2011 08:45:27; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;46228
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23; 6648.5; 02-JAN-2011 11:11:47; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;46230
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 22; 6649.2; 02-JAN-2011 12:52:02; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;46231  
 23; 6763.2; 02-JAN-2011 12:53:56; Dark ; 49.5; 46; Del Vel ; 1.95; 10600;occ; 99; 0;46231  
 24; 6933.1; 02-JAN-2011 12:56:46; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;46231  
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 27; 7350.5; 02-JAN-2011 13:03:43; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;46231  
 28; 7441.6; 02-JAN-2011 13:05:14; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;46231  
 29; 7587.1; 02-JAN-2011 13:07:40; Dark ; 11.0; 1; 9Alp CMA ; -1.44; 11000;occ; 22; 0;46231

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 22; 6504.0; 02-JAN-2011 14:29:51; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46232  
 23; 6649.7; 02-JAN-2011 14:32:16; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;46232  
 24; 6763.8; 02-JAN-2011 14:34:11; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;46232  
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 16; 5181.6; 02-JAN-2011 15:48:02; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46232  
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 17; 2205.4; 03-JAN-2011 00:59:50; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;46238  
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 22; 3877.4; 03-JAN-2011 01:27:42; Bright; 49.0; 32; 77Eps UMa ; 1.76; 11000;occ; 98; 0;46238  
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 12; 14.6; 03-JAN-2011 03:43:48; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46240  
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 32; 6152.7; 04-JAN-2011 03:09:08; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46254  
 33; 6266.4; 04-JAN-2011 03:11:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46254  
 34; 6523.3; 04-JAN-2011 03:15:19; Dark ; 54.0; 113; Mu Vel ; 2.69; 5000;occ; 108; 0;46254  
 35; 6661.2; 04-JAN-2011 03:17:36; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46254  
 36; 6775.4; 04-JAN-2011 03:19:31; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;46254  
 37; 6944.4; 04-JAN-2011 03:22:20; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;46254  
 38; 7074.9; 04-JAN-2011 03:24:30; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;46254  
 39; 7193.0; 04-JAN-2011 03:26:28; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;46254  
 40; 7356.7; 04-JAN-2011 03:29:12; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;46254  
 41; 7446.9; 04-JAN-2011 03:30:42; Dark ; 42.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 85; 0;46254  
 42; 7589.9; 04-JAN-2011 03:33:05; Dark ; 50.5; 1; 9Alp CMa ; -1.44; 11000;occ; 101; 0;46254  
 43; 8032.5; 04-JAN-2011 03:40:28; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;46254  
 44; 8215.3; 04-JAN-2011 03:43:31; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;46254  
 45; 8314.5; 04-JAN-2011 03:45:10; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;46254  
 46; 8556.1; 04-JAN-2011 03:49:11; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46254  
 47; 8688.9; 04-JAN-2011 03:51:24; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;46254

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 2; -2144.1; 04-JAN-2011 05:51:33; Bright; 30.0; 32; 77Eps UMa ; 1.76; 11000;occ; 60; 0;46255  
 3; -2079.8; 04-JAN-2011 05:52:38; Bright; 44.5; 55; 79Zet UMa ; 2.06; 10200;occ; 89; 0;46255  
 4; -1937.5; 04-JAN-2011 05:55:00; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;46255  
 5; -1682.0; 04-JAN-2011 05:59:15; Bright; 59.5; 180; 27Gam Boo ; 3.04; 8000;occ; 119; 0;46255  
 6; -1452.3; 04-JAN-2011 06:03:05; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46255  
 7; -1131.6; 04-JAN-2011 06:08:26; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46255  
 8; -820.9; 04-JAN-2011 06:13:36; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46255  
 9; -655.5; 04-JAN-2011 06:16:22; Dark ; 47.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 95; 0;46255  
 10; -237.8; 04-JAN-2011 06:23:20; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;46255  
 11; -77.9; 04-JAN-2011 06:26:00; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;46255  
 12; 24.0; 04-JAN-2011 06:27:41; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46256  
 13; 140.2; 04-JAN-2011 06:29:38; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46256  
 14; 254.3; 04-JAN-2011 06:31:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46256  
 15; 511.2; 04-JAN-2011 06:35:49; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;46256  
 16; 648.3; 04-JAN-2011 06:38:06; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46256  
 17; 762.4; 04-JAN-2011 06:40:00; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46256  
 18; 931.6; 04-JAN-2011 06:42:49; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;46256  
 19; 1061.8; 04-JAN-2011 06:44:59; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;46256  
 20; 1179.7; 04-JAN-2011 06:46:57; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;46256  
 21; 1343.1; 04-JAN-2011 06:49:40; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;46256  
 22; 1433.2; 04-JAN-2011 06:51:11; Dark ; 41.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 82; 0;46256  
 23; 1576.3; 04-JAN-2011 06:53:34; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;46256  
 24; 2018.5; 04-JAN-2011 07:00:56; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;46256  
 25; 2201.0; 04-JAN-2011 07:03:58; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;46256  
 26; 2300.1; 04-JAN-2011 07:05:37; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;46256  
 27; 2541.6; 04-JAN-2011 07:09:39; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46256  
 28; 2674.5; 04-JAN-2011 07:11:52; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;46256  
 29; 3666.8; 04-JAN-2011 07:28:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46256

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20110104\_200445\_000042623098\_00129\_46264\_2022.N1

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 2; 1065.4; 04-JAN-2011 20:06:55; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;46264  
 3; 1182.3; 04-JAN-2011 20:08:52; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;46264  
 4; 1345.0; 04-JAN-2011 20:11:35; Dark ; 47.5; 23; 21Eps CMa ; 1.50; 26000;occ; 95; 0;46264



5; 1434.7; 04-JAN-2011 20:13:04; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;46264  
6; 1577.2; 04-JAN-2011 20:15:27; Dark ; 48.0; 1; 9Alp CMA ;-1.44; 11000;occ; 96; 0;46264  
7; 2018.0; 04-JAN-2011 20:22:48; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;46264  
8; 2198.5; 04-JAN-2011 20:25:48; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;46264  
9; 2298.1; 04-JAN-2011 20:27:28; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;46264  
10; 2540.1; 04-JAN-2011 20:31:30; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;46264  
11; 2672.8; 04-JAN-2011 20:33:42; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46264  
12; 3665.9; 04-JAN-2011 20:50:15; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;46264  
13; 3930.7; 04-JAN-2011 20:54:40; Bright; 48.0; 55; 79Zet UMa ; 2.06; 10200;occ; 96; 0;46264  
14; 4074.3; 04-JAN-2011 20:57:04; Bright; 44.0; 39; 85Eta UMa ; 1.85; 24000;occ; 88; 0;46264  
15; 4332.3; 04-JAN-2011 21:01:22; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;46264  
16; 4563.7; 04-JAN-2011 21:05:13; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;46264  
17; 4885.5; 04-JAN-2011 21:10:35; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;46264  
18; 5197.6; 04-JAN-2011 21:15:47; Bright; 0.5; 104; 27Bet Lib ; 2.61; 13100;occ; 1; 0;46264

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20110104\_211547\_000060643098\_00129\_46264\_2023.N1

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2; -649.4; 04-JAN-2011 21:18:34; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;46264  
3; -230.7; 04-JAN-2011 21:25:33; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;46264  
4; -71.9; 04-JAN-2011 21:28:12; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46264  
5; 29.4; 04-JAN-2011 21:29:53; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46265  
6; 147.6; 04-JAN-2011 21:31:51; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46265  
7; 262.7; 04-JAN-2011 21:33:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46265  
8; 518.7; 04-JAN-2011 21:38:02; Dark ; 56.0; 113; Mu Vel ; 2.69; 5000;occ; 112; 0;46265  
9; 652.9; 04-JAN-2011 21:40:16; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46265  
10; 766.8; 04-JAN-2011 21:42:10; Dark ; 48.0; 46; Del Vel ; 1.95; 10600;occ; 96; 0;46265  
11; 935.6; 04-JAN-2011 21:44:59; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;46265  
12; 1066.1; 04-JAN-2011 21:47:10; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;46265  
13; 1182.4; 04-JAN-2011 21:49:06; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;46265  
14; 1345.2; 04-JAN-2011 21:51:49; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;46265  
15; 1434.6; 04-JAN-2011 21:53:18; Dark ; 46.0; 179; 240mi2CMA ; 3.03; 24000;occ; 92; 0;46265  
16; 1577.1; 04-JAN-2011 21:55:41; Dark ; 50.5; 1; 9Alp CMA ;-1.44; 11000;occ; 101; 0;46265  
17; 2018.1; 04-JAN-2011 22:03:02; Dark ; 48.5; 14; 58Alp Ori ; 0.87; 3000;occ; 97; 0;46265  
18; 2198.2; 04-JAN-2011 22:06:02; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;46265  
19; 2297.8; 04-JAN-2011 22:07:41; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;46265  
20; 2539.8; 04-JAN-2011 22:11:43; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46265  
21; 2672.5; 04-JAN-2011 22:13:56; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46265  
22; 3665.6; 04-JAN-2011 22:30:29; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;46265  
23; 3930.5; 04-JAN-2011 22:34:54; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;46265  
24; 4074.0; 04-JAN-2011 22:37:18; Bright; 69.0; 39; 85Eta UMa ; 1.85; 24000;occ; 138; 0;46265  
25; 4332.2; 04-JAN-2011 22:41:36; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;46265  
26; 4563.9; 04-JAN-2011 22:45:27; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46265  
27; 4885.6; 04-JAN-2011 22:50:49; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;46265  
28; 5198.1; 04-JAN-2011 22:56:02; Bright; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;46265

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20110104\_073147\_000037703098\_00121\_46256\_3087.N1

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2; -2080.2; 04-JAN-2011 07:32:51; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;46256  
3; -1937.7; 04-JAN-2011 07:35:14; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;46256  
4; -1681.8; 04-JAN-2011 07:39:30; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;46256  
5; -1452.1; 04-JAN-2011 07:43:19; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46256  
6; -1131.2; 04-JAN-2011 07:48:40; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46256  
7; -820.6; 04-JAN-2011 07:53:51; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;46256  
8; -654.9; 04-JAN-2011 07:56:37; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;46256  
9; -236.7; 04-JAN-2011 08:03:35; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;46256  
10; -77.3; 04-JAN-2011 08:06:14; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;46256  
11; 24.5; 04-JAN-2011 08:07:56; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46257  
12; 141.1; 04-JAN-2011 08:09:53; Dark ; 47.0; 64; Gam Cen ; 2.20; 10600;occ; 94; 0;46257  
13; 255.2; 04-JAN-2011 08:11:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46257  
14; 512.0; 04-JAN-2011 08:16:03; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46257  
15; 648.9; 04-JAN-2011 08:18:20; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46257  
16; 762.9; 04-JAN-2011 08:20:14; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;46257  
17; 931.9; 04-JAN-2011 08:23:03; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46257  
18; 1062.4; 04-JAN-2011 08:25:14; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;46257  
19; 1180.1; 04-JAN-2011 08:27:11; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46257  
20; 1343.4; 04-JAN-2011 08:29:55; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;46257  
21; 1433.5; 04-JAN-2011 08:31:25; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;46257  
22; 1576.4; 04-JAN-2011 08:33:48; Dark ; 49.0; 1; 9Alp CMA ;-1.44; 11000;occ; 98; 0;46257

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3; 2200.8; 04-JAN-2011 08:44:12; Dark ; 40.5; 44; 24Gam Gem ; 1.93; 11000;occ; 81; 0;46257  
4; 2299.8; 04-JAN-2011 08:45:51; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0;46257  
5; 2541.5; 04-JAN-2011 08:49:53; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46257  
6; 2674.4; 04-JAN-2011 08:52:06; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;46257  
7; 3666.8; 04-JAN-2011 09:08:38; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46257  
8; 3869.0; 04-JAN-2011 09:12:00; Bright; 27.0; 32; 77Eps UMa ; 1.76; 11000;occ; 54; 0;46257  
9; 3933.6; 04-JAN-2011 09:13:05; Bright; 46.0; 55; 79Zet UMa ; 2.06; 10200;occ; 92; 0;46257  
10; 4076.1; 04-JAN-2011 09:15:28; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;46257  
11; 4332.1; 04-JAN-2011 09:19:44; Bright; 50.5; 180; 27Gam Boo ; 3.04; 8000;occ; 101; 0;46257  
12; 4562.2; 04-JAN-2011 09:23:34; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;46257  
13; 4883.1; 04-JAN-2011 09:28:55; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;46257  
14; 5194.0; 04-JAN-2011 09:34:05; Bright; 54.0; 104; 27Bet Lib ; 2.61; 13100;occ; 108; 0;46257  
15; 5359.9; 04-JAN-2011 09:36:51; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;46257  
16; 5777.9; 04-JAN-2011 09:43:49; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;46257  
17; 5937.5; 04-JAN-2011 09:46:29; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46257  
18; 6039.2; 04-JAN-2011 09:48:11; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46258  
19; 6155.9; 04-JAN-2011 09:50:07; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46258  
20; 6270.1; 04-JAN-2011 09:52:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46258  
21; 6526.7; 04-JAN-2011 09:56:18; Dark ; 54.0; 113; Mu Vel ; 2.69; 5000;occ; 108; 0;46258  
22; 6663.3; 04-JAN-2011 09:58:35; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46258  
23; 6777.4; 04-JAN-2011 10:00:29; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46258  
24; 6946.3; 04-JAN-2011 10:03:18; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46258  
25; 7076.8; 04-JAN-2011 10:05:28; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;46258  
26; 7194.4; 04-JAN-2011 10:07:26; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46258  
27; 7357.6; 04-JAN-2011 10:10:09; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;46258  
28; 7447.7; 04-JAN-2011 10:11:39; Dark ; 44.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 88; 0;46258  
29; 7590.3; 04-JAN-2011 10:14:02; Dark ; 55.5; 1; 9Alp CMA ; -1.44; 11000;occ; 111; 0;46258

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20110104\_101402\_000060633098\_00123\_46258\_3089.N1

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2; 2018.5; 04-JAN-2011 10:21:24; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;46258  
3; 2200.2; 04-JAN-2011 10:24:26; Dark ; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;46258  
4; 2299.5; 04-JAN-2011 10:26:05; Bright; 41.0; 151; 13Mu Gem ; 2.89; 3000;occ; 82; 0;46258  
5; 2541.3; 04-JAN-2011 10:30:07; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46258  
6; 2674.1; 04-JAN-2011 10:32:20; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46258  
7; 3666.6; 04-JAN-2011 10:48:52; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46258  
8; 3933.2; 04-JAN-2011 10:53:19; Bright; 45.0; 55; 79Zet UMa ; 2.06; 10200;occ; 90; 0;46258  
9; 4075.8; 04-JAN-2011 10:55:41; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;46258  
10; 4332.0; 04-JAN-2011 10:59:57; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;46258  
11; 4562.3; 04-JAN-2011 11:03:48; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;46258  
12; 4883.4; 04-JAN-2011 11:09:09; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;46258  
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17; 6039.8; 04-JAN-2011 11:28:25; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46259  
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19; 6271.0; 04-JAN-2011 11:32:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46259  
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21; 6664.1; 04-JAN-2011 11:38:50; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;46259  
22; 6777.7; 04-JAN-2011 11:40:43; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46259  
23; 6946.9; 04-JAN-2011 11:43:32; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;46259  
24; 7077.3; 04-JAN-2011 11:45:43; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46259  
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26; 7357.8; 04-JAN-2011 11:50:23; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;46259  
27; 7447.8; 04-JAN-2011 11:51:53; Dark ; 42.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 84; 0;46259  
28; 7590.5; 04-JAN-2011 11:54:16; Dark ; 49.0; 1; 9Alp CMA ; -1.44; 11000;occ; 98; 0;46259

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20110104\_115427\_000059013098\_00124\_46259\_3090.N1

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2; 2018.5; 04-JAN-2011 12:01:38; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;46259  
3; 2200.0; 04-JAN-2011 12:04:39; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;46259  
4; 2299.3; 04-JAN-2011 12:06:19; Bright; 56.0; 151; 13Mu Gem ; 2.89; 3000;occ; 112; 0;46259  
5; 2541.1; 04-JAN-2011 12:10:20; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46259  
6; 2674.0; 04-JAN-2011 12:12:33; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;46259  
7; 3666.6; 04-JAN-2011 12:29:06; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;46259  
8; 3932.8; 04-JAN-2011 12:33:32; Bright; 45.5; 55; 79Zet UMa ; 2.06; 10200;occ; 91; 0;46259  
9; 4075.4; 04-JAN-2011 12:35:55; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;46259  
10; 4332.2; 04-JAN-2011 12:40:12; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;46259

11; 4562.5; 04-JAN-2011 12:44:02; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46259  
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 16; 5938.7; 04-JAN-2011 13:06:58; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46259  
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 26; 7358.2; 04-JAN-2011 13:30:38; Dark ; 45.0; 23; 21Eps CMA ; 1.50; 26000;occ; 90; 0;46260  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20110104\_133219\_000059483098\_00125\_46260\_3091.N1

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 9; 3932.4; 04-JAN-2011 14:13:46; Bright; 48.0; 55; 79Zet UMa ; 2.06; 10200;occ; 96; 0;46260  
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 11; 4332.3; 04-JAN-2011 14:20:26; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;46260  
 12; 4563.1; 04-JAN-2011 14:24:16; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;46260  
 13; 4884.3; 04-JAN-2011 14:29:38; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;46260  
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 21; 6529.5; 04-JAN-2011 14:57:03; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46261  
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 3; 1434.4; 04-JAN-2011 16:52:36; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46262  
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 7; 2298.6; 04-JAN-2011 17:07:00; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0;46262  
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 11; 3931.7; 04-JAN-2011 17:34:13; Bright; 46.0; 55; 79Zet UMa ; 2.06; 10200;occ; 92; 0;46262  
 12; 4074.9; 04-JAN-2011 17:36:36; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;46262  
 13; 4332.3; 04-JAN-2011 17:40:54; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;46262  
 14; 4563.4; 04-JAN-2011 17:44:45; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;46262  
 15; 4885.0; 04-JAN-2011 17:50:06; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;46262  
 16; 5196.5; 04-JAN-2011 17:55:18; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46262  
 17; 5363.3; 04-JAN-2011 17:58:05; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46262  
 18; 5781.8; 04-JAN-2011 18:05:03; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;46262  
 19; 5940.9; 04-JAN-2011 18:07:42; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;46262  
 20; 6042.3; 04-JAN-2011 18:09:24; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;46263  
 21; 6160.1; 04-JAN-2011 18:11:21; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46263  
 22; 6275.0; 04-JAN-2011 18:13:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46263

```

23; 6531.1; 04-JAN-2011 18:17:33; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;46263
24; 6666.2; 04-JAN-2011 18:19:48; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;46263
25; 6779.9; 04-JAN-2011 18:21:41; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;46263
26; 6948.9; 04-JAN-2011 18:24:30; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;46263
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 3; 1344.9; 04-JAN-2011 18:31:20; Dark ; 47.0; 23; 21Eps CMa ; 1.50; 26000;occ; 94; 0;46263
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 9; 2540.2; 04-JAN-2011 18:51:16; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46263
10; 2673.1; 04-JAN-2011 18:53:29; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;46263
11; 3665.9; 04-JAN-2011 19:10:01; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;46263
12; 3931.3; 04-JAN-2011 19:14:27; Bright; 63.0; 55; 79Zet UMa ; 2.06; 10200;occ; 126; 0;46263
13; 4074.5; 04-JAN-2011 19:16:50; Bright; 49.0; 39; 85Eta UMa ; 1.85; 24000;occ; 98; 0;46263
14; 4332.3; 04-JAN-2011 19:21:08; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;46263
15; 4563.6; 04-JAN-2011 19:24:59; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;46263
16; 4885.2; 04-JAN-2011 19:30:21; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;46263
17; 5197.1; 04-JAN-2011 19:35:33; Bright; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;46263
18; 5364.0; 04-JAN-2011 19:38:20; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46263
19; 5782.6; 04-JAN-2011 19:45:18; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;46263
20; 5941.4; 04-JAN-2011 19:47:57; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;46263
21; 6042.8; 04-JAN-2011 19:49:38; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46264
22; 6160.9; 04-JAN-2011 19:51:36; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46264
23; 6275.9; 04-JAN-2011 19:53:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46264
24; 6531.9; 04-JAN-2011 19:57:47; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46264
25; 6666.6; 04-JAN-2011 20:00:02; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;46264
26; 6780.4; 04-JAN-2011 20:01:56; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;46264
27; 6949.2; 04-JAN-2011 20:04:45; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46264
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 3; -70.7; 05-JAN-2011 00:48:41; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46266
 4; 30.4; 05-JAN-2011 00:50:22; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46267
 5; 149.2; 05-JAN-2011 00:52:21; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;46267
 6; 264.6; 05-JAN-2011 00:54:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46267
 7; 520.4; 05-JAN-2011 00:58:32; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;46267
 8; 654.0; 05-JAN-2011 01:00:45; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46267
 9; 767.7; 05-JAN-2011 01:02:39; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46267
10; 936.3; 05-JAN-2011 01:05:28; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46267
11; 1066.8; 05-JAN-2011 01:07:38; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;46267
12; 1183.2; 05-JAN-2011 01:09:35; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;46267
13; 1345.6; 05-JAN-2011 01:12:17; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;46267
14; 1435.2; 05-JAN-2011 01:13:47; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;46267
15; 1577.5; 05-JAN-2011 01:16:09; Dark ; 46.5; 1; 9Alp CMa ; -1.44; 11000;occ; 93; 0;46267
16; 2017.9; 05-JAN-2011 01:23:29; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;46267
17; 2197.7; 05-JAN-2011 01:26:29; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46267
18; 2297.3; 05-JAN-2011 01:28:09; Bright; 50.0; 151; 13Mu Gem ; 2.89; 3000;occ; 100; 0;46267
19; 2539.5; 05-JAN-2011 01:32:11; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46267
20; 2672.4; 05-JAN-2011 01:34:24; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46267
21; 3665.3; 05-JAN-2011 01:50:57; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46267
22; 3929.6; 05-JAN-2011 01:55:21; Bright; 47.5; 55; 79Zet UMa ; 2.06; 10200;occ; 95; 0;46267
23; 4073.5; 05-JAN-2011 01:57:45; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;46267
24; 4332.3; 05-JAN-2011 02:02:04; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;46267
25; 4564.3; 05-JAN-2011 02:05:56; Bright; 66.0; 83; ; 2.38; 11000;occ; 132; 0;46267
26; 4886.5; 05-JAN-2011 02:11:18; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;46267
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 2; -647.4; 05-JAN-2011 02:19:18; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46267
 3; -228.4; 05-JAN-2011 02:26:17; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;46267
 4; -69.9; 05-JAN-2011 02:28:56; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46267
 5; 31.1; 05-JAN-2011 02:30:37; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;46268
 6; 150.2; 05-JAN-2011 02:32:36; Dark ; 47.0; 64; Gam Cen ; 2.20; 10600;occ; 94; 0;46268
 7; 265.6; 05-JAN-2011 02:34:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46268

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8; 521.5; 05-JAN-2011 02:38:47; Dark ; 57.0; 113; Mu Vel ; 2.69; 5000;occ; 114; 0;46268
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 27; 7453.8; 06-JAN-2011 12:18:46; Dark ; 43.0; 179; 240mi2CMA ; 3.03; 24000;occ; 86; 0;46288  
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 23; 6793.5; 06-JAN-2011 15:28:13; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;46290  
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16; 2018.4; 07-JAN-2011 01:50:16; Dark ; 48.5; 14; 58Alp Ori ; 0.87; 3000;occ; 97; 0;46296
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38; 7094.4; 07-JAN-2011 03:14:52; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;46297
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7; -798.4; 07-JAN-2011 04:23:48; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;46297
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11; 49.7; 07-JAN-2011 04:37:56; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46298
12; 211.7; 07-JAN-2011 04:40:38; Dark ; 47.0; 20; Bet Cru ; 1.25; 30000;occ; 94; 0;46298
13; 293.8; 07-JAN-2011 04:42:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46298
14; 547.3; 07-JAN-2011 04:46:13; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46298
15; 669.9; 07-JAN-2011 04:48:16; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;46298
16; 783.5; 07-JAN-2011 04:50:10; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;46298

```

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 27; 2667.2; 07-JAN-2011 07:01:47; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46299  
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 12; 3660.4; 07-JAN-2011 20:40:13; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;46307  
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 14; 4062.4; 07-JAN-2011 20:46:55; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;46307  
 15; 4332.4; 07-JAN-2011 20:51:25; Bright; 44.5; 180; 27Gam Boo ; 3.04; 8000;occ; 89; 0;46307  
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 6; 55.8; 07-JAN-2011 21:20:22; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;46308  
 7; 217.6; 07-JAN-2011 21:23:04; Dark ; 44.0; 20; Bet Cru ; 1.25; 30000;occ; 88; 0;46308  
 8; 303.2; 07-JAN-2011 21:24:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46308



```

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9; 3661.0; 07-JAN-2011 15:39:31; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;46304
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14;	1444.2;	08-JAN-2011	01:03:58;	Dark	;	42.0;	179;	24Omi2CMa	;	3.03;	24000;occ;	84;	0;	46310
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16;	2018.7;	08-JAN-2011	01:13:33;	Dark	;	46.0;	14;	58Alp Ori	;	0.87;	3000;occ;	92;	0;	46310
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22;	3904.8;	08-JAN-2011	01:44:59;	Bright;		42.5;	119;	14Eta Dra	;	2.73;	4700;occ;	85;	0;	46310
23;	4061.7;	08-JAN-2011	01:47:36;	Bright;		26.0;	39;	85Eta UMa	;	1.85;	24000;occ;	52;	0;	46310
24;	4332.3;	08-JAN-2011	01:52:06;	Bright;		51.5;	180;	27Gam Boo	;	3.04;	8000;occ;	103;	0;	46310
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26;	4901.8;	08-JAN-2011	02:01:36;	Bright;		46.0;	102;	24Alp Ser	;	2.60;	4250;occ;	92;	0;	46310
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6;	219.2;	08-JAN-2011	02:23:47;	Dark	;	44.0;	20;	Bet Cru	;	1.25;	30000;occ;	88;	0;	46311
7;	306.0;	08-JAN-2011	02:25:14;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46311
8;	558.3;	08-JAN-2011	02:29:26;	Dark	;	52.0;	113;	Mu Vel	;	2.69;	5000;occ;	104;	0;	46311
9;	676.0;	08-JAN-2011	02:31:24;	Dark	;	40.0;	71;	Iot Car	;	2.25;	7700;occ;	80;	0;	46311
10;	789.5;	08-JAN-2011	02:33:18;	Dark	;	41.5;	46;	Del Vel	;	1.95;	10600;occ;	83;	0;	46311
11;	956.7;	08-JAN-2011	02:36:05;	Dark	;	44.0;	34;	Gam2Vel	;	1.79;	23000;occ;	88;	0;	46311
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13;	1197.5;	08-JAN-2011	02:40:06;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;occ;	94;	0;	46311
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17;	2024.2;	08-JAN-2011	02:53:52;	Dark	;	42.0;	14;	58Alp Ori	;	0.87;	3000;occ;	84;	0;	46311
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3;	-1952.6;	08-JAN-2011	03:27:50;	Bright;		26.0;	39;	85Eta UMa	;	1.85;	24000;occ;	52;	0;	46311
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26; 7459.7; 08-JAN-2011 11:05:24; Dark ; 40.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 81; 0;46316
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 22; 6807.5; 08-JAN-2011 15:55:14; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;46319  
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16; 1587.1; 10-JAN-2011 01:33:08; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;46339
17; 2020.1; 10-JAN-2011 01:40:21; Dark ; 55.5; 8; 10Alp CMI ; 0.40; 6500;occ; 111; 0;46339
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22; 3656.1; 10-JAN-2011 02:07:37; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;46339
23; 3904.6; 10-JAN-2011 02:11:45; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;46339
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27; 5241.2; 10-JAN-2011 02:34:02; Dark ; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;46339
28; 5795.3; 10-JAN-2011 02:43:16; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;46339
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33; 6347.3; 10-JAN-2011 02:52:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46340

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5; -1100.3; 10-JAN-2011 04:08:48; Bright; 58.0; 102; 24Alp Ser ; 2.60; 4250;occ; 116; 0;46340
6; -772.2; 10-JAN-2011 04:14:16; Dark ; 48.5; 104; 27Bet Lib ; 2.61; 13100;occ; 97; 0;46340
7; -592.3; 10-JAN-2011 04:17:16; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;46340
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13; 334.3; 10-JAN-2011 04:32:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46341
14; 583.3; 10-JAN-2011 04:36:52; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46341
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22; 1587.3; 10-JAN-2011 04:53:36; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;46341
23; 2019.7; 10-JAN-2011 05:00:48; Dark ; 68.0; 8; 10Alp CMI ; 0.40; 6500;occ; 136; 0;46341
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25; 2284.7; 10-JAN-2011 05:05:13; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;46341
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6; -771.7; 10-JAN-2011 05:54:31; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;46341
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13; 335.2; 10-JAN-2011 06:12:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46342
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15; 691.3; 10-JAN-2011 06:18:54; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46342
16; 804.4; 10-JAN-2011 06:20:47; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;46342
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23; 2019.3; 10-JAN-2011 06:41:02; Dark ; 68.0; 8; 10Alp CMI ; 0.40; 6500;occ; 136; 0;46342
24; 2183.2; 10-JAN-2011 06:43:46; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;46342

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27; 2661.6; 10-JAN-2011 06:51:44; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;46342
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4; 1209.2; 10-JAN-2011 19:49:24; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46350
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6; 1452.3; 10-JAN-2011 19:53:27; Dark ; 42.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 85; 0;46350
7; 1588.6; 10-JAN-2011 19:55:44; Dark ; 47.5; 1; 9Alp CMa ; -1.44; 11000;occ; 95; 0;46350
8; 2016.8; 10-JAN-2011 20:02:52; Dark ; 56.5; 8; 10Alp CMi ; 0.40; 6500;occ; 113; 0;46350
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12; 2660.7; 10-JAN-2011 20:13:36; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;46350
13; 3654.4; 10-JAN-2011 20:30:09; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;46350
14; 3904.5; 10-JAN-2011 20:34:19; Bright; 34.0; 119; 14Eta Dra ; 2.73; 4700;occ; 68; 0;46350
15; 4331.9; 10-JAN-2011 20:41:27; Bright; 47.0; 180; 27Gam Boo ; 3.04; 8000;occ; 94; 0;46350
16; 4584.4; 10-JAN-2011 20:45:39; Bright; 48.5; 83; ; 2.38; 11000;occ; 97; 0;46350
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4; -584.0; 10-JAN-2011 20:59:45; Dark ; 49.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 98; 0;46350
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3; 344.6; 10-JAN-2011 22:55:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46352
4; 592.4; 10-JAN-2011 22:59:35; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46352
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17; 2660.5; 10-JAN-2011 23:34:03; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;46352
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22; 4918.5; 11-JAN-2011 00:11:41; Bright; 59.0; 102; 24Alp Ser ; 2.60; 4250;occ; 118; 0;46352
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23; 6604.1; 10-JAN-2011 17:58:51; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;46349
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5; 270.7; 14-JAN-2011 00:24:30; Dark ; 44.5; 20; Bet Cru ; 1.25; 30000;occ; 89; 0;46396
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16; 2279.3; 14-JAN-2011 00:57:59; Bright; 42.0; 151; 13Mu Gem ; 2.89; 3000;occ; 84; 0;46396
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16; 992.5; 14-JAN-2011 03:57:00; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;46398
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20110117\_140509\_000053833098\_00312\_46447\_3211.N1

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4; 3370.6; 21-JAN-2011 10:20:56; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;46502
5; 3627.8; 21-JAN-2011 10:25:13; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;46502
6; 3896.1; 21-JAN-2011 10:29:42; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;46502
7; 4444.5; 21-JAN-2011 10:38:50; Bright; 57.0; 133; 40Zet Her ; 2.81; 6000;occ; 114; 0;46502
8; 4585.4; 21-JAN-2011 10:41:11; Bright; 70.0; 67; 5Alp CrB ; 2.22; 11000;occ; 140; 0;46502
9; 4995.2; 21-JAN-2011 10:48:01; Bright; 47.5; 102; 24Alp Ser ; 2.60; 4250;occ; 95; 0;46502
10; 5191.6; 21-JAN-2011 10:51:17; Bright; 43.0; 98; 13Zet Oph ; 2.57; 30000;occ; 86; 0;46502
11; 5460.0; 21-JAN-2011 10:55:45; Dark ; 48.5; 80; 7Del Sco ; 2.32; 30000;occ; 97; 0;46502
12; 5587.9; 21-JAN-2011 10:57:53; Dark ; 50.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 100; 0;46502
13; 5787.2; 21-JAN-2011 11:01:13; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;46502

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14; 5902.8; 21-JAN-2011 11:03:08; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;46502  
 15; 6014.1; 21-JAN-2011 11:05:00; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;46503  
 16; 6126.7; 21-JAN-2011 11:06:52; Dark ; 45.5; 95; Zet Cen ; 2.55; 26000;occ; 91; 0;46503  
 17; 6223.6; 21-JAN-2011 11:08:29; Dark ; 56.0; 123; Iot Cen ; 2.75; 10200;occ; 112; 0;46503  
 18; 6396.6; 21-JAN-2011 11:11:22; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;46503  
 19; 6498.0; 21-JAN-2011 11:13:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46503  
 20; 6722.9; 21-JAN-2011 11:16:48; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;46503  
 21; 6825.8; 21-JAN-2011 11:18:31; Dark ; 40.5; 91; Kap Vel ; 2.49; 26000;occ; 81; 0;46503  
 22; 7024.4; 21-JAN-2011 11:21:50; Dark ; 52.0; 65; Lam Vel ; 2.20; 4400;occ; 104; 0;46503  
 23; 7169.8; 21-JAN-2011 11:24:15; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;46503  
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 3; 2415.1; 21-JAN-2011 11:45:14; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;46503  
 4; 3369.8; 21-JAN-2011 12:01:09; Bright; 45.5; 36; 50Alp UMa ; 1.80; 6300;occ; 91; 0;46503  
 5; 3627.7; 21-JAN-2011 12:05:27; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;46503  
 6; 3896.0; 21-JAN-2011 12:09:55; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46503  
 7; 4444.5; 21-JAN-2011 12:19:04; Bright; 57.0; 133; 40Zet Her ; 2.81; 6000;occ; 114; 0;46503  
 8; 4585.6; 21-JAN-2011 12:21:25; Bright; 59.0; 67; 5Alp CrB ; 2.22; 11000;occ; 118; 0;46503  
 9; 4995.9; 21-JAN-2011 12:28:15; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;46503  
 10; 5192.2; 21-JAN-2011 12:31:32; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;46503  
 11; 5460.8; 21-JAN-2011 12:36:00; Dark ; 45.5; 80; 7Del Sco ; 2.32; 30000;occ; 91; 0;46503  
 12; 5589.2; 21-JAN-2011 12:38:09; Dark ; 50.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 100; 0;46503  
 13; 5787.8; 21-JAN-2011 12:41:27; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;46503  
 14; 5903.6; 21-JAN-2011 12:43:23; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;46503  
 15; 6015.3; 21-JAN-2011 12:45:15; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;46504  
 16; 6127.4; 21-JAN-2011 12:47:07; Dark ; 44.5; 95; Zet Cen ; 2.55; 26000;occ; 89; 0;46504  
 17; 6224.8; 21-JAN-2011 12:48:44; Dark ; 53.5; 123; Iot Cen ; 2.75; 10200;occ; 107; 0;46504  
 18; 6397.2; 21-JAN-2011 12:51:37; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;46504  
 19; 6498.9; 21-JAN-2011 12:53:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46504  
 20; 6723.6; 21-JAN-2011 12:57:03; Dark ; 56.5; 113; Mu Vel ; 2.69; 5000;occ; 113; 0;46504  
 21; 6826.2; 21-JAN-2011 12:58:46; Dark ; 40.0; 91; Kap Vel ; 2.49; 26000;occ; 80; 0;46504  
 22; 7024.8; 21-JAN-2011 13:02:04; Dark ; 53.0; 65; Lam Vel ; 2.20; 4400;occ; 106; 0;46504  
 23; 7170.1; 21-JAN-2011 13:04:30; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;46504  
 24; 7441.5; 21-JAN-2011 13:09:01; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;46504

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 2; 2322.9; 21-JAN-2011 13:23:56; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;46504  
 3; 2414.6; 21-JAN-2011 13:25:28; Bright; 44.5; 17; 78Bet Gem ; 1.16; 4500;occ; 89; 0;46504  
 4; 3369.2; 21-JAN-2011 13:41:23; Bright; 46.0; 36; 50Alp UMa ; 1.80; 6300;occ; 92; 0;46504  
 5; 3627.5; 21-JAN-2011 13:45:41; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;46504  
 6; 3896.0; 21-JAN-2011 13:50:09; Bright; 56.0; 119; 14Eta Dra ; 2.73; 4700;occ; 112; 0;46504  
 7; 4444.8; 21-JAN-2011 13:59:18; Bright; 57.0; 133; 40Zet Her ; 2.81; 6000;occ; 114; 0;46504  
 8; 4585.9; 21-JAN-2011 14:01:39; Bright; 70.0; 67; 5Alp CrB ; 2.22; 11000;occ; 140; 0;46504  
 9; 4996.7; 21-JAN-2011 14:08:30; Bright; 50.5; 102; 24Alp Ser ; 2.60; 4250;occ; 101; 0;46504  
 10; 5192.7; 21-JAN-2011 14:11:46; Dark ; 41.5; 98; 13Zet Oph ; 2.57; 30000;occ; 83; 0;46504  
 11; 5461.3; 21-JAN-2011 14:16:15; Dark ; 48.0; 80; 7Del Sco ; 2.32; 30000;occ; 96; 0;46504  
 12; 5590.5; 21-JAN-2011 14:18:24; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;46504  
 13; 5788.6; 21-JAN-2011 14:21:42; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;46504  
 14; 5904.4; 21-JAN-2011 14:23:38; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;46504  
 15; 6016.5; 21-JAN-2011 14:25:30; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;46505  
 16; 6128.6; 21-JAN-2011 14:27:22; Dark ; 43.5; 95; Zet Cen ; 2.55; 26000;occ; 87; 0;46505  
 17; 6226.3; 21-JAN-2011 14:29:00; Dark ; 54.5; 123; Iot Cen ; 2.75; 10200;occ; 109; 0;46505  
 18; 6397.7; 21-JAN-2011 14:31:51; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;46505  
 19; 6499.9; 21-JAN-2011 14:33:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46505  
 20; 6724.3; 21-JAN-2011 14:37:18; Dark ; 50.0; 113; Mu Vel ; 2.69; 5000;occ; 100; 0;46505  
 21; 6826.8; 21-JAN-2011 14:39:00; Dark ; 39.0; 91; Kap Vel ; 2.49; 26000;occ; 78; 0;46505  
 22; 7025.4; 21-JAN-2011 14:42:19; Dark ; 50.0; 65; Lam Vel ; 2.20; 4400;occ; 100; 0;46505  
 23; 7170.6; 21-JAN-2011 14:44:44; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;46505  
 24; 7441.7; 21-JAN-2011 14:49:15; Dark ; 28.5; 132; 15Rho Pup ; 2.80; 6900;occ; 57; 0;46505

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 3; 2322.9; 21-JAN-2011 15:04:10; Bright; 39.5; 170; 27Eps Gem ; 3.00; 9700;occ; 79; 0;46505  
 4; 2414.4; 21-JAN-2011 15:05:42; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;46505  
 5; 3368.4; 21-JAN-2011 15:21:36; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;46505  
 6; 3627.4; 21-JAN-2011 15:25:55; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46505



7; 3895.9; 21-JAN-2011 15:30:23; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;46505  
8; 4445.0; 21-JAN-2011 15:39:32; Bright; 57.0; 133; 40Zet Her ; 2.81; 6000;occ; 114; 0;46505  
9; 4586.2; 21-JAN-2011 15:41:54; Bright; 70.0; 67; 5Alp CrB ; 2.22; 11000;occ; 140; 0;46505  
10; 4997.4; 21-JAN-2011 15:48:45; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;46505  
11; 5193.3; 21-JAN-2011 15:52:01; Dark ; 43.0; 98; 13Zet Oph ; 2.57; 30000;occ; 86; 0;46505  
12; 5462.0; 21-JAN-2011 15:56:29; Dark ; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;46505  
13; 5592.0; 21-JAN-2011 15:58:39; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;46505  
14; 5789.1; 21-JAN-2011 16:01:56; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;46505  
15; 5905.3; 21-JAN-2011 16:03:53; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;46505  
16; 6017.8; 21-JAN-2011 16:05:45; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;46506  
17; 6129.5; 21-JAN-2011 16:07:37; Dark ; 45.0; 95; Zet Cen ; 2.55; 26000;occ; 90; 0;46506  
18; 6227.8; 21-JAN-2011 16:09:15; Dark ; 51.0; 123; Iot Cen ; 2.75; 10200;occ; 102; 0;46506  
19; 6398.4; 21-JAN-2011 16:12:06; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;46506  
20; 6500.8; 21-JAN-2011 16:13:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46506  
21; 6725.2; 21-JAN-2011 16:17:33; Dark ; 51.0; 113; Mu Vel ; 2.69; 5000;occ; 102; 0;46506  
22; 6827.3; 21-JAN-2011 16:19:15; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;46506  
23; 7025.8; 21-JAN-2011 16:22:33; Dark ; 47.5; 65; Lam Vel ; 2.20; 4400;occ; 95; 0;46506  
24; 7170.9; 21-JAN-2011 16:24:58; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;46506

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3; 2322.8; 21-JAN-2011 16:44:24; Bright; 39.5; 170; 27Eps Gem ; 3.00; 9700;occ; 79; 0;46506  
4; 2413.9; 21-JAN-2011 16:45:55; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;46506  
5; 3367.8; 21-JAN-2011 17:01:49; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;46506  
6; 3627.2; 21-JAN-2011 17:06:09; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;46506  
7; 3895.9; 21-JAN-2011 17:10:37; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;46506  
8; 4445.1; 21-JAN-2011 17:19:47; Bright; 57.0; 133; 40Zet Her ; 2.81; 6000;occ; 114; 0;46506  
9; 4586.5; 21-JAN-2011 17:22:08; Bright; 47.5; 67; 5Alp CrB ; 2.22; 11000;occ; 95; 0;46506  
10; 4998.0; 21-JAN-2011 17:28:59; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46506  
11; 5193.8; 21-JAN-2011 17:32:15; Dark ; 44.5; 98; 13Zet Oph ; 2.57; 30000;occ; 89; 0;46506  
12; 5462.6; 21-JAN-2011 17:36:44; Dark ; 47.5; 80; 7Del Sco ; 2.32; 30000;occ; 95; 0;46506  
13; 5593.3; 21-JAN-2011 17:38:55; Dark ; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;46506  
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17; 6130.4; 21-JAN-2011 17:47:52; Dark ; 44.0; 95; Zet Cen ; 2.55; 26000;occ; 88; 0;46507  
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19; 6398.9; 21-JAN-2011 17:52:20; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;46507  
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21; 6725.8; 21-JAN-2011 17:57:47; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46507  
22; 6827.8; 21-JAN-2011 17:59:29; Dark ; 39.0; 91; Kap Vel ; 2.49; 26000;occ; 78; 0;46507  
23; 7026.3; 21-JAN-2011 18:02:48; Dark ; 51.5; 65; Lam Vel ; 2.20; 4400;occ; 103; 0;46507

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3; 1986.4; 21-JAN-2011 18:19:02; Dark ; 52.5; 8; 10Alp CMi ; 0.40; 6500;occ; 105; 0;46507  
4; 2322.6; 21-JAN-2011 18:24:38; Bright; 39.0; 170; 27Eps Gem ; 3.00; 9700;occ; 78; 0;46507  
5; 2413.6; 21-JAN-2011 18:26:09; Bright; 45.0; 17; 78Bet Gem ; 1.16; 4500;occ; 90; 0;46507  
6; 3367.0; 21-JAN-2011 18:42:03; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;46507  
7; 3626.9; 21-JAN-2011 18:46:22; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;46507  
8; 3895.6; 21-JAN-2011 18:50:51; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;46507  
9; 4445.1; 21-JAN-2011 19:00:01; Bright; 50.0; 133; 40Zet Her ; 2.81; 6000;occ; 100; 0;46507  
10; 4586.5; 21-JAN-2011 19:02:22; Bright; 70.0; 67; 5Alp CrB ; 2.22; 11000;occ; 140; 0;46507  
11; 4998.6; 21-JAN-2011 19:09:14; Bright; 48.5; 102; 24Alp Ser ; 2.60; 4250;occ; 97; 0;46507  
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13; 5463.3; 21-JAN-2011 19:16:59; Dark ; 45.5; 80; 7Del Sco ; 2.32; 30000;occ; 91; 0;46507  
14; 5594.4; 21-JAN-2011 19:19:10; Dark ; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;46507  
15; 5790.4; 21-JAN-2011 19:22:26; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;46507  
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17; 6020.1; 21-JAN-2011 19:26:16; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;46508  
18; 6131.1; 21-JAN-2011 19:28:07; Dark ; 44.5; 95; Zet Cen ; 2.55; 26000;occ; 89; 0;46508  
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21; 6502.6; 21-JAN-2011 19:34:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46508  
22; 6726.4; 21-JAN-2011 19:38:02; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46508  
23; 6827.8; 21-JAN-2011 19:39:43; Dark ; 42.0; 91; Kap Vel ; 2.49; 26000;occ; 84; 0;46508

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3; 9.3; 22-JAN-2011 00:27:01; Dark ; 60.5; 54; 5The Cen ; 2.06; 4500;occ; 121; 0;46511
4; 119.6; 22-JAN-2011 00:28:51; Dark ; 44.5; 95; Zet Cen ; 2.55; 26000;occ; 89; 0;46511
5; 220.1; 22-JAN-2011 00:30:32; Dark ; 54.5; 123; Iot Cen ; 2.75; 10200;occ; 109; 0;46511
6; 386.9; 22-JAN-2011 00:33:18; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;46511
7; 491.2; 22-JAN-2011 00:35:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46511
8; 714.6; 22-JAN-2011 00:38:46; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46511
9; 815.2; 22-JAN-2011 00:40:27; Dark ; 42.0; 91; Kap Vel ; 2.49; 26000;occ; 84; 0;46511
10; 1013.9; 22-JAN-2011 00:43:45; Dark ; 46.5; 65; Lam Vel ; 2.20; 4400;occ; 93; 0;46511
11; 1158.3; 22-JAN-2011 00:46:10; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;46511
12; 1428.7; 22-JAN-2011 00:50:40; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;46511
13; 1985.8; 22-JAN-2011 00:59:57; Dark ; 41.5; 8; 10Alp CMi ; 0.40; 6500;occ; 83; 0;46511
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16; 6140.8; 22-JAN-2011 13:50:50; Dark ; 43.5; 95; Zet Cen ; 2.55; 26000;occ; 87; 0;46519
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29; 6519.4; 23-JAN-2011 03:19:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46527
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33; 7177.1; 23-JAN-2011 03:29:59; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;46527
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12;	2383.5;	30-JAN-2011	02:53:41;	Bright;	;	42.0;	17;	78Bet Gem	;	1.16;	4500;occ;	84;	0;46627
13;	3283.2;	30-JAN-2011	03:08:40;	Bright;	;	47.0;	36;	50Alp UMA	;	1.80;	6300;occ;	94;	0;46627
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5;	-1340.3;	30-JAN-2011	03:31:51;	Bright;	;	65.0;	127;	27Bet Her	;	2.78;	4700;occ;	130;	0;46627
6;	-1245.9;	30-JAN-2011	03:33:25;	Bright;	;	36.0;	59;	55Alp Oph	;	2.08;	8900;occ;	72;	0;46627
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8;	-482.8;	30-JAN-2011	03:46:08;	Dark	;	59.0;	16;	21Alp Sco	;	1.02;	3000;occ;	118;	0;46627
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3;	-1552.2;	30-JAN-2011	05:08:33;	Bright;	;	42.0;	133;	40Zet Her	;	2.81;	6000;occ;	84;	0;46628
4;	-1339.9;	30-JAN-2011	05:12:05;	Bright;	;	65.0;	127;	27Bet Her	;	2.78;	4700;occ;	130;	0;46628
5;	-1245.6;	30-JAN-2011	05:13:40;	Bright;	;	36.5;	59;	55Alp Oph	;	2.08;	8900;occ;	73;	0;46628
6;	-735.2;	30-JAN-2011	05:22:10;	Dark	;	46.5;	86;	35Eta Oph	;	2.43;	10200;occ;	93;	0;46628
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6; 4066.7; 30-JAN-2011 11:42:54; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;46632

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8; 4066.8; 31-JAN-2011 17:47:06; Bright; 55.0; 130; 23Bet Dra ; 2.80; 5800;occ; 110; 0;46650
9; 4464.9; 31-JAN-2011 17:53:44; Bright; 55.0; 133; 40Zet Her ; 2.81; 6000;occ; 110; 0;46650
10; 4681.3; 31-JAN-2011 17:57:21; Bright; 67.0; 127; 27Bet Her ; 2.78; 4700;occ; 134; 0;46650
11; 4902.6; 31-JAN-2011 18:01:02; Bright; 54.0; 126; 60Bet Oph ; 2.77; 4250;occ; 108; 0;46650
12; 5289.6; 31-JAN-2011 18:07:29; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;46650
13; 5546.9; 31-JAN-2011 18:11:46; Dark ; 48.0; 16; 21Alp Sco ; 1.02; 3000;occ; 96; 0;46650
14; 5629.8; 31-JAN-2011 18:13:09; Dark ; 48.5; 158; 6Pi Sco ; 2.91; 28000;occ; 97; 0;46650
15; 5892.8; 31-JAN-2011 18:17:32; Dark ; 43.5; 131; Gam Lup ; 2.80; 26000;occ; 87; 0;46650
16; 6026.1; 31-JAN-2011 18:19:46; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;46651
17; 6121.0; 31-JAN-2011 18:21:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46651
18; 6275.0; 31-JAN-2011 18:23:54; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;46651
19; 6477.9; 31-JAN-2011 18:27:17; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;46651
20; 6598.2; 31-JAN-2011 18:29:18; Dark ; 46.0; 99; Del Cen ; 2.58; 26000;occ; 92; 0;46651
21; 6820.7; 31-JAN-2011 18:33:00; Dark ; 50.5; 113; Mu Vel ; 2.69; 5000;occ; 101; 0;46651
22; 7085.0; 31-JAN-2011 18:37:24; Dark ; 23.5; 65; Lam Vel ; 2.20; 4400;occ; 47; 0;46651

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/nas3/ENVISAT/GOMOS/GOM\_NL\_0P/GOM\_NL\_0PNPDK20110131\_183724\_000057943099\_00085\_46651\_3337.N1

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2;	1456.9;	31-JAN-2011	18:43:50;	Dark	;	44.0;	132;	15Rho Pup	;	2.80;	6900;occ;	88;	0;46651
3;	1731.3;	31-JAN-2011	18:48:25;	Dark	;	34.0;	48;	30Alp Hya	;	1.98;	4100;occ;	68;	0;46651
4;	1980.4;	31-JAN-2011	18:52:34;	Dark	;	52.0;	8;	10Alp CMi	;	0.40;	6500;occ;	104;	0;46651
5;	2379.8;	31-JAN-2011	18:59:13;	Bright;		41.0;	17;	78Bet Gem	;	1.16;	4500;occ;	82;	0;46651
6;	3267.0;	31-JAN-2011	19:14:01;	Bright;		47.0;	36;	50Alp UMa	;	1.80;	6300;occ;	94;	0;46651
7;	3594.5;	31-JAN-2011	19:19:28;	Bright;		41.5;	60;	7Bet UMi	;	2.08;	3950;occ;	83;	0;46651
8;	3876.5;	31-JAN-2011	19:24:10;	Bright;		40.0;	119;	14Eta Dra	;	2.73;	4700;occ;	80;	0;46651
9;	4066.7;	31-JAN-2011	19:27:20;	Bright;		35.5;	130;	23Bet Dra	;	2.80;	5800;occ;	71;	0;46651
10;	4465.0;	31-JAN-2011	19:33:59;	Bright;		63.0;	133;	40Zet Her	;	2.81;	6000;occ;	126;	0;46651
11;	4681.5;	31-JAN-2011	19:37:35;	Bright;		46.5;	127;	27Bet Her	;	2.78;	4700;occ;	93;	0;46651
12;	4902.8;	31-JAN-2011	19:41:16;	Bright;		50.0;	126;	60Bet Oph	;	2.77;	4250;occ;	100;	0;46651
13;	5289.9;	31-JAN-2011	19:47:43;	Dark	;	44.5;	86;	35Eta Oph	;	2.43;	10200;occ;	89;	0;46651
14;	5547.5;	31-JAN-2011	19:52:01;	Dark	;	53.5;	16;	21Alp Sco	;	1.02;	3000;occ;	107;	0;46651
15;	5630.7;	31-JAN-2011	19:53:24;	Dark	;	47.5;	158;	6Pi Sco	;	2.91;	28000;occ;	95;	0;46651
16;	5893.7;	31-JAN-2011	19:57:47;	Dark	;	44.0;	131;	Gam Lup	;	2.80;	26000;occ;	88;	0;46651
17;	6026.7;	31-JAN-2011	20:00:00;	Dark	;	44.5;	109;	Bet Lup	;	2.68;	26000;occ;	89;	0;46652
18;	6121.7;	31-JAN-2011	20:01:35;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;46652
19;	6275.4;	31-JAN-2011	20:04:09;	Dark	;	41.5;	10;	Bet Cen	;	0.61;	28000;occ;	83;	0;46652
20;	6478.4;	31-JAN-2011	20:07:32;	Dark	;	40.5;	12;	Alp1Cru	;	0.77;	30000;occ;	81;	0;46652
21;	6598.7;	31-JAN-2011	20:09:32;	Dark	;	46.0;	99;	Del Cen	;	2.58;	26000;occ;	92;	0;46652
22;	6821.1;	31-JAN-2011	20:13:15;	Dark	;	44.0;	113;	Mu Vel	;	2.69;	5000;occ;	88;	0;46652