GOMOS Daily Report 18-AUG-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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1. General Info

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.

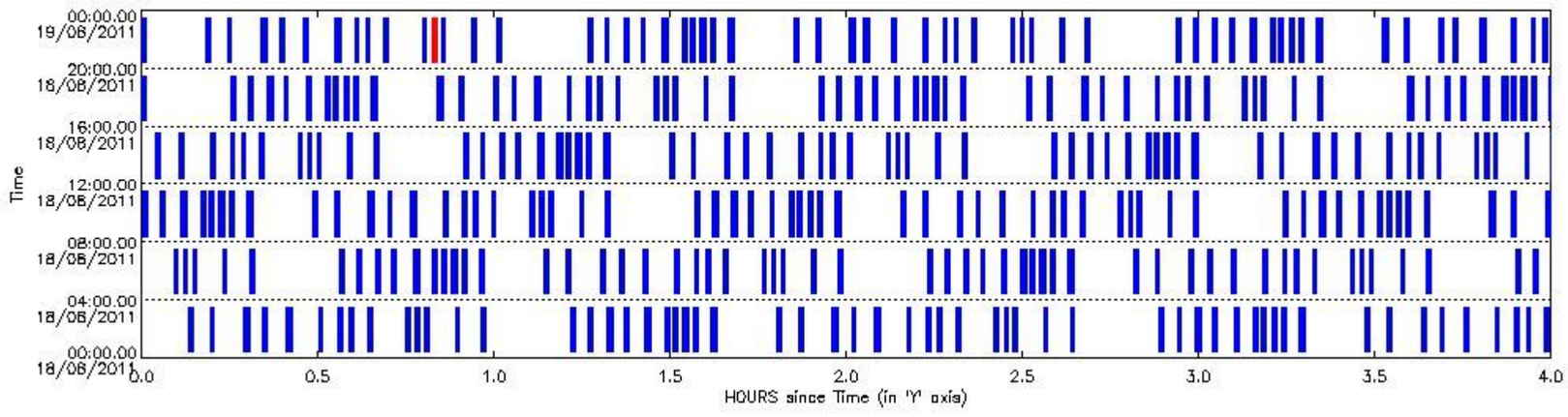
Item	Value
Time of report generation	21AUG2011 07:06:00
Data source version	GOMOS/6.01
Start time of products	18AUG2011 00:07:48
Stop time of products	18AUG2011 23:58:32
Store outputs in DB	Yes
Nb of level 1b prods	329
Nb of prods with errors	1

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

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

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

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



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

UTC start time	Star name	Star ID	Orbit
18-AUG-2011 20:49:29	37GamCyg	66	49511

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_1PNPDE20110818_000748_000000513105_00347_49499_5946.N1	18-AUG-2011 00:07:48	Dark	50.500	157	The1Eri	2.9060	9300.0	101	49499	No
2	GOM_TRA_1PNPDE20110818_001134_000000453105_00347_49499_5947.N1	18-AUG-2011 00:11:34	Dark	45.000	9	Alp Eri	0.45300	24000.	90	49499	No
3	GOM_TRA_1PNPDE20110818_001722_000000553105_00347_49499_5948.N1	18-AUG-2011 00:17:22	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49499	No
4	GOM_TRA_1PNPDE20110818_002038_000000413105_00347_49499_5949.N1	18-AUG-2011 00:20:38	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	49499	No
5	GOM_TRA_1PNPDE20110818_002435_000000553105_00347_49499_5950.N1	18-AUG-2011 00:24:35	Twi_and_stray	54.500	18	24Alp PsA	1.1660	9700.0	109	49499	No
6	GOM_TRA_1PNPDE20110818_003002_000000443105_00347_49499_5951.N1	18-AUG-2011 00:30:02	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	49499	No
7	GOM_TRA_1PNPDE20110818_003325_000000423105_00347_49499_5952.N1	18-AUG-2011 00:33:25	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	49499	No
8	GOM_TRA_1PNPDE20110818_003519_000000473105_00347_49499_5953.N1	18-AUG-2011 00:35:19	Bright	47.000	162	34Alp Aqr	2.9440	5350.0	94	49499	No
9	GOM_TRA_1PNPDE20110818_003826_000000443105_00347_49499_5954.N1	18-AUG-2011 00:38:26	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	49499	No
10	GOM_TRA_1PNPDE20110818_004459_000000393105_00347_49499_5955.N1	18-AUG-2011 00:44:59	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	49499	No

11	GOM_TRA_1PNPDE20110818_004637_000000383105_00347_49499_5956.N1	18-AUG-2011 00:46:37	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	49499	No
12	GOM_TRA_1PNPDE20110818_004810_000000373105_00347_49499_5957.N1	18-AUG-2011 00:48:10	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	49499	No
13	GOM_TRA_1PNPDE20110818_005327_000000393105_00347_49499_5958.N1	18-AUG-2011 00:53:27	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	49499	No
14	GOM_TRA_1PNPDE20110818_005753_000000443105_00347_49499_5959.N1	18-AUG-2011 00:57:53	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	49499	No
15	GOM_TRA_1PNPDE20110818_011305_000000503105_00347_49499_5960.N1	18-AUG-2011 01:13:05	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	49499	No
16	GOM_TRA_1PNPDE20110818_011605_000000403105_00347_49499_5961.N1	18-AUG-2011 01:16:05	Bright	40.000	107	37The Aur	2.6490	11000.	80	49499	No
17	GOM_TRA_1PNPDE20110818_011915_000000563105_00347_49499_5962.N1	18-AUG-2011 01:19:15	Twi_and_stray	55.500	28	12Bet Tau	1.6500	15200.	111	49499	No
18	GOM_TRA_1PNPDE20110818_012206_000000453105_00347_49499_5963.N1	18-AUG-2011 01:22:06	Twi_and_stray	44.500	44	24Gam Gem	1.9280	11000.	89	49499	No
19	GOM_TRA_1PNPDE20110818_012543_000000563105_00347_49499_5964.N1	18-AUG-2011 01:25:43	Dark	55.500	14	58Alp Ori	0.87000	3000.0	111	49499	No
20	GOM_TRA_1PNPDE20110818_012901_000000533105_00347_49499_5965.N1	18-AUG-2011 01:29:01	Dark	52.500	30	46Eps Ori	1.6940	30000.	105	49499	No
21	GOM_TRA_1PNPDE20110818_013028_000000483105_00347_49499_5970.N1	18-AUG-2011 01:30:28	Dark	47.500	125	44Iot Ori	2.7700	30000.	95	49499	No
22	GOM_TRA_1PNPDE20110818_013208_000000613105_00347_49499_5971.N1	18-AUG-2011 01:32:08	Dark	60.500	7	19Bet Ori	0.10000	14000.	121	49499	No
23	GOM_TRA_1PNPDE20110818_013355_000000503105_00347_49499_5972.N1	18-AUG-2011 01:33:55	Dark	49.500	101	11Alp Lep	2.5820	7000.0	99	49499	No
24	GOM_TRA_1PNPDE20110818_014803_000000533105_00348_49500_5973.N1	18-AUG-2011 01:48:03	Dark	53.000	157	The1Eri	2.9060	9300.0	106	49500	No
25	GOM_TRA_1PNPDE20110818_015148_000000473105_00348_49500_5974.N1	18-AUG-2011 01:51:48	Dark	47.000	9	Alp Eri	0.45300	24000.	94	49500	No
26	GOM_TRA_1PNPDE20110818_015736_000000623105_00348_49500_5975.N1	18-AUG-2011 01:57:36	Straylight	62.000	84	Alp Phe	2.3970	4500.0	124	49500	No
27	GOM_TRA_1PNPDE20110818_020052_000000423105_00348_49500_5976.N1	18-AUG-2011 02:00:52	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	49500	No
28	GOM_TRA_1PNPDE20110818_020449_000000533105_00348_49500_5977.N1	18-AUG-2011 02:04:49	Twi_and_stray	53.000	18	24Alp PsA	1.1660	9700.0	106	49500	No
29	GOM_TRA_1PNPDE20110818_021017_000000413105_00348_49500_5978.N1	18-AUG-2011 02:10:17	Bright	41.000	142	49Del Cap	2.8500	8900.0	82	49500	No
30	GOM_TRA_1PNPDE20110818_021339_000000413105_00348_49500_5979.N1	18-AUG-2011 02:13:39	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	49500	No
31	GOM_TRA_1PNPDE20110818_021532_000000473105_00348_49500_5980.N1	18-AUG-2011 02:15:32	Bright	46.500	162	34Alp Aqr	2.9440	5350.0	93	49500	No
32	GOM_TRA_1PNPDE20110818_021840_000000423105_00348_49500_5981.N1	18-AUG-2011 02:18:40	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	49500	No
33	GOM_TRA_1PNPDE20110818_022512_000000393105_00348_49500_5982.N1	18-AUG-2011 02:25:12	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	49500	No
34	GOM_TRA_1PNPDE20110818_022651_000000383105_00348_49500_5983.N1	18-AUG-2011 02:26:51	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	49500	No
35	GOM_TRA_1PNPDE20110818_022824_000000383105_00348_49500_5984.N1	18-AUG-2011 02:28:24	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	49500	No
36	GOM_TRA_1PNPDE20110818_023341_000000373105_00348_49500_5985.N1	18-AUG-2011 02:33:41	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	49500	No
37	GOM_TRA_1PNPDE20110818_023806_000000463105_00348_49500_5986.N1	18-AUG-2011 02:38:06	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	49500	No
38	GOM_TRA_1PNPDE20110818_025318_000000493105_00348_49500_5997.N1	18-AUG-2011 02:53:18	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	49500	No
39	GOM_TRA_1PNPDE20110818_025619_000000403105_00348_49500_5998.N1	18-AUG-2011 02:56:19	Bright	39.500	107	37The Aur	2.6490	11000.	79	49500	No
40	GOM_TRA_1PNPDE20110818_025929_000000543105_00348_49500_5999.N1	18-AUG-2011 02:59:29	Twi_and_stray	54.000	28	12Bet Tau	1.6500	15200.	108	49500	No
41	GOM_TRA_1PNPDE20110818_030220_000000453105_00348_49500_6000.N1	18-AUG-2011 03:02:20	Twi_and_stray	44.500	44	24Gam Gem	1.9280	11000.	89	49500	No
42	GOM_TRA_1PNPDE20110818_030558_000000593105_00348_49500_6001.N1	18-AUG-2011 03:05:58	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	49500	No
43	GOM_TRA_1PNPDE20110818_030916_000000503105_00348_49500_6002.N1	18-AUG-2011 03:09:16	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	49500	No
44	GOM_TRA_1PNPDE20110818_031043_000000473105_00348_49500_6003.N1	18-AUG-2011 03:10:43	Dark	46.500	125	44Iot Ori	2.7700	30000.	93	49500	No
45	GOM_TRA_1PNPDE20110818_031223_000000613105_00348_49500_6004.N1	18-AUG-2011 03:12:23	Dark	60.500	7	19Bet Ori	0.10000	14000.	121	49500	No
46	GOM_TRA_1PNPDE20110818_031410_000000483105_00348_49500_6005.N1	18-AUG-2011 03:14:10	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	49500	No
47	GOM_TRA_1PNPDE20110818_032818_000000533105_00349_49501_6006.N1	18-AUG-2011 03:28:18	Dark	53.000	157	The1Eri	2.9060	9300.0	106	49501	No
48	GOM_TRA_1PNPDE20110818_033203_000000463105_00349_49501_6007.N1	18-AUG-2011 03:32:03	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49501	No
49	GOM_TRA_1PNPDE20110818_033751_000000563105_00349_49501_6008.N1	18-AUG-2011 03:37:51	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	49501	No
50	GOM_TRA_1PNPDE20110818_034106_000000423105_00349_49501_6009.N1	18-AUG-2011 03:41:06	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	49501	No
51	GOM_TRA_1PNPDE20110818_034504_000000553105_00349_49501_6010.N1	18-AUG-2011 03:45:04	Twi_and_stray	55.000	18	24Alp PsA	1.1660	9700.0	110	49501	No
52	GOM_TRA_1PNPDE20110818_035031_000000423105_00349_49501_6011.N1	18-AUG-2011 03:50:31	Bright	42.000	142	49Del Cap	2.8500	8900.0	84	49501	No
53	GOM_TRA_1PNPDE20110818_035353_000000423105_00349_49501_6012.N1	18-AUG-2011 03:53:53	Bright	41.500	154	22Bet Aqr	2.8990	5700.0	83	49501	No
54	GOM_TRA_1PNPDE20110818_035546_000000473105_00349_49501_6013.N1	18-AUG-2011 03:55:46	Bright	47.000	162	34Alp Aqr	2.9440	5350.0	94	49501	No
55	GOM_TRA_1PNPDE20110818_035854_000000443105_00349_49501_6014.N1	18-AUG-2011 03:58:54	Bright	44.000	61	8Eps Peg	2.1000	3900.0	88	49501	No
56	GOM_TRA_1PNPDE20110818_040526_000000393105_00349_49501_6015.N1	18-AUG-2011 04:05:26	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	49501	No
57	GOM_TRA_1PNPDE20110818_040705_000000373105_00349_49501_6016.N1	18-AUG-2011 04:07:05	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	49501	No
58	GOM_TRA_1PNPDE20110818_040838_000000383105_00349_49501_6017.N1	18-AUG-2011 04:08:38	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	49501	No
59	GOM_TRA_1PNPDE20110818_041354_000000353105_00349_49501_6018.N1	18-AUG-2011 04:13:54	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	49501	No
60	GOM_TRA_1PNPDE20110818_041819_000000463105_00349_49501_6019.N1	18-AUG-2011 04:18:19	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	49501	No
61	GOM_TRA_1PNPDE20110818_043332_000000513105_00349_49501_6041.N1	18-AUG-2011 04:33:32	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	49501	No
62	GOM_TRA_1PNPDE20110818_043633_000000493105_00349_49501_6042.N1	18-AUG-2011 04:36:33	Bright	48.500	107	37The Aur	2.6490	11000.	97	49501	No
63	GOM_TRA_1PNPDE20110818_043943_000000543105_00349_49501_6043.N1	18-AUG-2011 04:39:43	Twi_and_stray	53.500	28	12Bet Tau	1.6500	15200.	107	49501	No
64	GOM_TRA_1PNPDE20110818_044235_000000463105_00349_49501_6044.N1	18-AUG-2011 04:42:35	Twi_and_stray	46.000	44	24Gam Gem	1.9280	11000.	92	49501	No
65	GOM_TRA_1PNPDE20110818_044612_000000623105_00349_49501_6045.N1	18-AUG-2011 04:46:12	Dark	62.000	14	58Alp Ori	0.87000	3000.0	124	49501	No
66	GOM_TRA_1PNPDE20110818_044931_000000523105_00349_49501_6046.N1	18-AUG-2011 04:49:31	Dark	52.000	30	46Eps Ori	1.6940	30000.	104	49501	No
67	GOM_TRA_1PNPDE20110818_045058_000000483105_00349_49501_6047.N1	18-AUG-2011 04:50:58	Dark	48.000	125	44Iot Ori	2.7700	30000.	96	49501	No
68	GOM_TRA_1PNPDE20110818_045238_000000613105_00349_49501_6048.N1	18-AUG-2011 04:52:38	Dark	60.500	7	19Bet Ori	0.10000	14000.	121	49501	No
69	GOM_TRA_1PNPDE20110818_045425_000000493105_00349_49501_6049.N1	18-AUG-2011 04:54:25	Dark	48.500	101	11Alp Lep	2.5820	7000.0	97	49501	No

70	GOM_TRA_1PNPDE20110818_050833_000000513105_00350_49502_6050.N1	18-AUG-2011 05:08:33	Dark	51.000	157	The1Eri	2.9060	9300.0	102	49502	No
71	GOM_TRA_1PNPDE20110818_051218_000000473105_00350_49502_6051.N1	18-AUG-2011 05:12:18	Dark	46.500	9	Alp Eri	0.45300	24000.	93	49502	No
72	GOM_TRA_1PNPDE20110818_051806_000000543105_00350_49502_6052.N1	18-AUG-2011 05:18:06	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49502	No
73	GOM_TRA_1PNPDE20110818_052121_000000423105_00350_49502_6053.N1	18-AUG-2011 05:21:21	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	49502	No
74	GOM_TRA_1PNPDE20110818_052518_000000543105_00350_49502_6054.N1	18-AUG-2011 05:25:18	Twi_and_stray	54.000	18	24Alp PsA	1.1660	9700.0	108	49502	No
75	GOM_TRA_1PNPDE20110818_053045_000000443105_00350_49502_6055.N1	18-AUG-2011 05:30:45	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	49502	No
76	GOM_TRA_1PNPDE20110818_053407_000000413105_00350_49502_6056.N1	18-AUG-2011 05:34:07	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	49502	No
77	GOM_TRA_1PNPDE20110818_053600_000000473105_00350_49502_6057.N1	18-AUG-2011 05:36:00	Bright	46.500	162	34Alp Aqr	2.9440	5350.0	93	49502	No
78	GOM_TRA_1PNPDE20110818_053908_000000433105_00350_49502_6058.N1	18-AUG-2011 05:39:08	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	49502	No
79	GOM_TRA_1PNPDE20110818_054540_000000393105_00350_49502_6059.N1	18-AUG-2011 05:45:40	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	49502	No
80	GOM_TRA_1PNPDE20110818_054719_000000383105_00350_49502_6060.N1	18-AUG-2011 05:47:19	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	49502	No
81	GOM_TRA_1PNPDE20110818_054852_000000393105_00350_49502_6061.N1	18-AUG-2011 05:48:52	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	49502	No
82	GOM_TRA_1PNPDE20110818_055408_000000373105_00350_49502_6062.N1	18-AUG-2011 05:54:08	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	49502	No
83	GOM_TRA_1PNPDE20110818_055832_000000463105_00350_49502_6063.N1	18-AUG-2011 05:58:32	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	49502	No
84	GOM_TRA_1PNPDK20110818_061346_000000493105_00350_49502_2549.N1	18-AUG-2011 06:13:46	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	49502	No
85	GOM_TRA_1PNPDK20110818_061647_000000403105_00350_49502_2550.N1	18-AUG-2011 06:16:47	Bright	40.000	107	37The Aur	2.6490	11000.	80	49502	No
86	GOM_TRA_1PNPDK20110818_061957_000000563105_00350_49502_2551.N1	18-AUG-2011 06:19:57	Twi_and_stray	55.500	28	12Bet Tau	1.6500	15200.	111	49502	No
87	GOM_TRA_1PNPDK20110818_062249_000000463105_00350_49502_2552.N1	18-AUG-2011 06:22:49	Twi_and_stray	45.500	44	24Gam Gem	1.9280	11000.	91	49502	No
88	GOM_TRA_1PNPDK20110818_062627_000000533105_00350_49502_2553.N1	18-AUG-2011 06:26:27	Dark	52.500	14	58Alp Ori	0.87000	3000.0	105	49502	No
89	GOM_TRA_1PNPDK20110818_062945_000000503105_00350_49502_2554.N1	18-AUG-2011 06:29:45	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	49502	No
90	GOM_TRA_1PNPDK20110818_063112_000000473105_00350_49502_2555.N1	18-AUG-2011 06:31:12	Dark	46.500	125	44Iot Ori	2.7700	30000.	93	49502	No
91	GOM_TRA_1PNPDK20110818_063253_000000573105_00350_49502_2556.N1	18-AUG-2011 06:32:53	Dark	56.500	7	19Bet Ori	0.10000	14000.	113	49502	No
92	GOM_TRA_1PNPDK20110818_063439_000000463105_00350_49502_2557.N1	18-AUG-2011 06:34:39	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	49502	No
93	GOM_TRA_1PNPDK20110818_064848_000000523105_00351_49503_2558.N1	18-AUG-2011 06:48:48	Dark	52.000	157	The1Eri	2.9060	9300.0	104	49503	No
94	GOM_TRA_1PNPDK20110818_065232_000000463105_00351_49503_2559.N1	18-AUG-2011 06:52:32	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49503	No
95	GOM_TRA_1PNPDK20110818_065821_000000523105_00351_49503_2560.N1	18-AUG-2011 06:58:21	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	49503	No
96	GOM_TRA_1PNPDK20110818_070135_000000443105_00351_49503_2561.N1	18-AUG-2011 07:01:35	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	49503	No
97	GOM_TRA_1PNPDK20110818_070533_000000553105_00351_49503_2562.N1	18-AUG-2011 07:05:33	Twi_and_stray	54.500	18	24Alp PsA	1.1660	9700.0	109	49503	No
98	GOM_TRA_1PNPDK20110818_071059_000000433105_00351_49503_2563.N1	18-AUG-2011 07:10:59	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	49503	No
99	GOM_TRA_1PNPDK20110818_071421_000000423105_00351_49503_2597.N1	18-AUG-2011 07:14:21	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	49503	No
100	GOM_TRA_1PNPDK20110818_071614_000000463105_00351_49503_2598.N1	18-AUG-2011 07:16:14	Bright	46.000	162	34Alp Aqr	2.9440	5350.0	92	49503	No
101	GOM_TRA_1PNPDK20110818_071921_000000453105_00351_49503_2599.N1	18-AUG-2011 07:19:21	Bright	44.500	61	8Eps Peg	2.1000	3900.0	89	49503	No
102	GOM_TRA_1PNPDK20110818_072554_000000393105_00351_49503_2600.N1	18-AUG-2011 07:25:54	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	49503	No
103	GOM_TRA_1PNPDK20110818_072733_000000383105_00351_49503_2601.N1	18-AUG-2011 07:27:33	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	49503	No
104	GOM_TRA_1PNPDK20110818_072906_000000383105_00351_49503_2602.N1	18-AUG-2011 07:29:06	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	49503	No
105	GOM_TRA_1PNPDK20110818_073422_000000383105_00351_49503_2603.N1	18-AUG-2011 07:34:22	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	49503	No
106	GOM_TRA_1PNPDK20110818_073846_000000463105_00351_49503_2604.N1	18-AUG-2011 07:38:46	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	49503	No
107	GOM_TRA_1PNPDK20110818_075400_000000483105_00351_49503_2605.N1	18-AUG-2011 07:54:00	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	49503	No
108	GOM_TRA_1PNPDK20110818_075701_000000393105_00351_49503_2606.N1	18-AUG-2011 07:57:01	Bright	39.000	107	37The Aur	2.6490	11000.	78	49503	No
109	GOM_TRA_1PNPDK20110818_080011_000000543105_00351_49503_2607.N1	18-AUG-2011 08:00:11	Twi_and_stray	53.500	28	12Bet Tau	1.6500	15200.	107	49503	No
110	GOM_TRA_1PNPDK20110818_080303_000000453105_00351_49503_2608.N1	18-AUG-2011 08:03:03	Twi_and_stray	45.000	44	24Gam Gem	1.9280	11000.	90	49503	No
111	GOM_TRA_1PNPDK20110818_080641_000000623105_00351_49503_2609.N1	18-AUG-2011 08:06:41	Dark	62.000	14	58Alp Ori	0.87000	3000.0	124	49503	No
112	GOM_TRA_1PNPDK20110818_081000_000000513105_00351_49503_2610.N1	18-AUG-2011 08:10:00	Dark	50.500	30	46Eps Ori	1.6940	30000.	101	49503	No
113	GOM_TRA_1PNPDK20110818_081127_000000493105_00351_49503_2611.N1	18-AUG-2011 08:11:27	Dark	48.500	125	44Iot Ori	2.7700	30000.	97	49503	No
114	GOM_TRA_1PNPDK20110818_081308_000000613105_00351_49503_2612.N1	18-AUG-2011 08:13:08	Dark	60.500	7	19Bet Ori	0.10000	14000.	121	49503	No
115	GOM_TRA_1PNPDK20110818_081454_000000493105_00351_49503_2613.N1	18-AUG-2011 08:14:54	Dark	48.500	101	11Alp Lep	2.5820	7000.0	97	49503	No
116	GOM_TRA_1PNPDK20110818_082904_000000513105_00352_49504_2614.N1	18-AUG-2011 08:29:04	Dark	50.500	157	The1Eri	2.9060	9300.0	101	49504	No
117	GOM_TRA_1PNPDK20110818_083247_000000503105_00352_49504_2615.N1	18-AUG-2011 08:32:47	Dark	49.500	9	Alp Eri	0.45300	24000.	99	49504	No
118	GOM_TRA_1PNPDK20110818_083835_000000543105_00352_49504_2616.N1	18-AUG-2011 08:38:35	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49504	No
119	GOM_TRA_1PNPDK20110818_084150_000000423105_00352_49504_2617.N1	18-AUG-2011 08:41:50	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	49504	No
120	GOM_TRA_1PNPDK20110818_084547_000000543105_00352_49504_2618.N1	18-AUG-2011 08:45:47	Twi_and_stray	53.500	18	24Alp PsA	1.1660	9700.0	107	49504	No
121	GOM_TRA_1PNPDK20110818_085113_000000483105_00352_49504_2619.N1	18-AUG-2011 08:51:13	Bright	48.000	142	49Del Cap	2.8500	8900.0	96	49504	No
122	GOM_TRA_1PNPDK20110818_085435_000000413105_00352_49504_2641.N1	18-AUG-2011 08:54:35	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	49504	No
123	GOM_TRA_1PNPDK20110818_085628_000000463105_00352_49504_2642.N1	18-AUG-2011 08:56:28	Bright	46.000	162	34Alp Aqr	2.9440	5350.0	92	49504	No
124	GOM_TRA_1PNPDK20110818_085935_000000423105_00352_49504_2643.N1	18-AUG-2011 08:59:35	Bright	41.500	61	8Eps Peg	2.1000	3900.0	83	49504	No
125	GOM_TRA_1PNPDK20110818_090608_000000393105_00352_49504_2644.N1	18-AUG-2011 09:06:08	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	49504	No
126	GOM_TRA_1PNPDK20110818_090747_000000373105_00352_49504_2645.N1	18-AUG-2011 09:07:47	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	49504	No
127	GOM_TRA_1PNPDK20110818_090919_000000393105_00352_49504_2646.N1	18-AUG-2011 09:09:19	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	49504	No
128	GOM_TRA_1PNPDK20110818_091436_000000383105_00352_49504_2647.N1	18-AUG-2011 09:14:36	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	49504	No

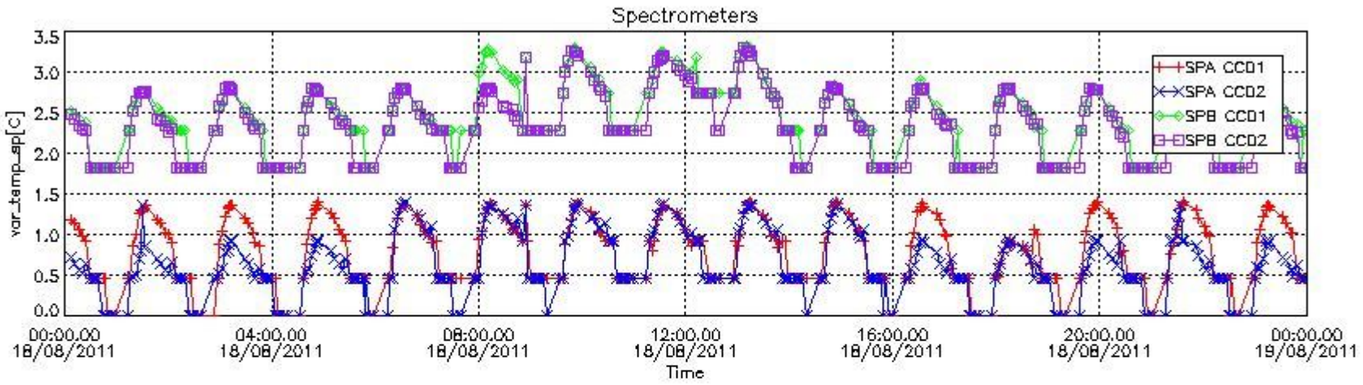
129	GOM_TRA_1PNPDK20110818_091859_000000473105_00352_49504_2648.N1	18-AUG-2011 09:18:59	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	49504	No
130	GOM_TRA_1PNPDK20110818_093414_000000463105_00352_49504_2649.N1	18-AUG-2011 09:34:14	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	49504	No
131	GOM_TRA_1PNPDK20110818_093715_000000603105_00352_49504_2650.N1	18-AUG-2011 09:37:15	Bright	60.000	107	37The Aur	2.6490	11000.	120	49504	No
132	GOM_TRA_1PNPDK20110818_094026_000000573105_00352_49504_2651.N1	18-AUG-2011 09:40:26	Twi_and_stray	57.000	28	12Bet Tau	1.6500	15200.	114	49504	No
133	GOM_TRA_1PNPDK20110818_094318_000000433105_00352_49504_2652.N1	18-AUG-2011 09:43:18	Twi_and_stray	42.500	44	24Gam Gem	1.9280	11000.	85	49504	No
134	GOM_TRA_1PNPDK20110818_094656_000000443105_00352_49504_2653.N1	18-AUG-2011 09:46:56	Dark	43.500	14	58Alp Ori	0.87000	3000.0	87	49504	No
135	GOM_TRA_1PNPDK20110818_095015_000000523105_00352_49504_2654.N1	18-AUG-2011 09:50:15	Dark	51.500	30	46Eps Ori	1.6940	30000.	103	49504	No
136	GOM_TRA_1PNPDK20110818_095142_000000473105_00352_49504_2655.N1	18-AUG-2011 09:51:42	Dark	46.500	125	44Iot Ori	2.7700	30000.	93	49504	No
137	GOM_TRA_1PNPDK20110818_095323_000000583105_00352_49504_2656.N1	18-AUG-2011 09:53:23	Dark	57.500	7	19Bet Ori	0.10000	14000.	115	49504	No
138	GOM_TRA_1PNPDK20110818_095509_000000473105_00352_49504_2657.N1	18-AUG-2011 09:55:09	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	49504	No
139	GOM_TRA_1PNPDK20110818_100919_000000513105_00353_49505_2658.N1	18-AUG-2011 10:09:19	Dark	51.000	157	The1Eri	2.9060	9300.0	102	49505	No
140	GOM_TRA_1PNPDK20110818_101302_000000433105_00353_49505_2659.N1	18-AUG-2011 10:13:02	Dark	43.000	9	Alp Eri	0.45300	24000.	86	49505	No
141	GOM_TRA_1PNPDK20110818_101850_000000543105_00353_49505_2660.N1	18-AUG-2011 10:18:50	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49505	No
142	GOM_TRA_1PNPDK20110818_102204_000000423105_00353_49505_2661.N1	18-AUG-2011 10:22:04	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	49505	No
143	GOM_TRA_1PNPDK20110818_102601_000000533105_00353_49505_2662.N1	18-AUG-2011 10:26:01	Twi_and_stray	53.000	18	24Alp PsA	1.1660	9700.0	106	49505	No
144	GOM_TRA_1PNPDK20110818_103127_000000443105_00353_49505_2663.N1	18-AUG-2011 10:31:27	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	49505	No
145	GOM_TRA_1PNPDK20110818_103449_000000413105_00353_49505_2677.N1	18-AUG-2011 10:34:49	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	49505	No
146	GOM_TRA_1PNPDK20110818_103641_000000473105_00353_49505_2678.N1	18-AUG-2011 10:36:41	Bright	46.500	162	34Alp Aqr	2.9440	5350.0	93	49505	No
147	GOM_TRA_1PNPDK20110818_103949_000000423105_00353_49505_2679.N1	18-AUG-2011 10:39:49	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	49505	No
148	GOM_TRA_1PNPDK20110818_104622_000000403105_00353_49505_2680.N1	18-AUG-2011 10:46:22	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	49505	No
149	GOM_TRA_1PNPDK20110818_104801_000000383105_00353_49505_2681.N1	18-AUG-2011 10:48:01	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	49505	No
150	GOM_TRA_1PNPDK20110818_104933_000000393105_00353_49505_2682.N1	18-AUG-2011 10:49:33	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	49505	No
151	GOM_TRA_1PNPDK20110818_105449_000000393105_00353_49505_2683.N1	18-AUG-2011 10:54:49	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	49505	No
152	GOM_TRA_1PNPDK20110818_105912_000000493105_00353_49505_2684.N1	18-AUG-2011 10:59:12	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	49505	No
153	GOM_TRA_1PNPDK20110818_111428_000000503105_00353_49505_2685.N1	18-AUG-2011 11:14:28	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	49505	No
154	GOM_TRA_1PNPDK20110818_111729_000000413105_00353_49505_2686.N1	18-AUG-2011 11:17:29	Bright	41.000	107	37The Aur	2.6490	11000.	82	49505	No
155	GOM_TRA_1PNPDK20110818_112040_000000533105_00353_49505_2687.N1	18-AUG-2011 11:20:40	Twi_and_stray	52.500	28	12Bet Tau	1.6500	15200.	105	49505	No
156	GOM_TRA_1PNPDK20110818_112332_000000423105_00353_49505_2688.N1	18-AUG-2011 11:23:32	Twi_and_stray	42.000	44	24Gam Gem	1.9280	11000.	84	49505	No
157	GOM_TRA_1PNPDK20110818_112710_000000543105_00353_49505_2689.N1	18-AUG-2011 11:27:10	Dark	54.000	14	58Alp Ori	0.87000	3000.0	108	49505	No
158	GOM_TRA_1PNPDK20110818_113029_000000523105_00353_49505_2690.N1	18-AUG-2011 11:30:29	Dark	51.500	30	46Eps Ori	1.6940	30000.	103	49505	No
159	GOM_TRA_1PNPDK20110818_113156_000000493105_00353_49505_2691.N1	18-AUG-2011 11:31:56	Dark	48.500	125	44Iot Ori	2.7700	30000.	97	49505	No
160	GOM_TRA_1PNPDK20110818_113338_000000583105_00353_49505_2692.N1	18-AUG-2011 11:33:38	Dark	57.500	7	19Bet Ori	0.10000	14000.	115	49505	No
161	GOM_TRA_1PNPDK20110818_113524_000000473105_00353_49505_2693.N1	18-AUG-2011 11:35:24	Dark	46.500	101	11Alp Lep	2.5820	7000.0	93	49505	No
162	GOM_TRA_1PNPDK20110818_114934_000000513105_00354_49506_2694.N1	18-AUG-2011 11:49:34	Dark	51.000	157	The1Eri	2.9060	9300.0	102	49506	No
163	GOM_TRA_1PNPDK20110818_115316_000000453105_00354_49506_2695.N1	18-AUG-2011 11:53:16	Dark	45.000	9	Alp Eri	0.45300	24000.	90	49506	No
164	GOM_TRA_1PNPDK20110818_115905_000000513105_00354_49506_2696.N1	18-AUG-2011 11:59:05	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	49506	No
165	GOM_TRA_1PNPDK20110818_120218_000000433105_00354_49506_2697.N1	18-AUG-2011 12:02:18	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	49506	No
166	GOM_TRA_1PNPDK20110818_120616_000000533105_00354_49506_2698.N1	18-AUG-2011 12:06:16	Twi_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	49506	No
167	GOM_TRA_1PNPDK20110818_121141_000000423105_00354_49506_2699.N1	18-AUG-2011 12:11:41	Bright	42.000	142	49Del Cap	2.8500	8900.0	84	49506	No
168	GOM_TRA_1PNPDK20110818_121503_000000413105_00354_49506_2723.N1	18-AUG-2011 12:15:03	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	49506	No
169	GOM_TRA_1PNPDK20110818_121655_000000473105_00354_49506_2724.N1	18-AUG-2011 12:16:55	Bright	46.500	162	34Alp Aqr	2.9440	5350.0	93	49506	No
170	GOM_TRA_1PNPDK20110818_122002_000000433105_00354_49506_2725.N1	18-AUG-2011 12:20:02	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	49506	No
171	GOM_TRA_1PNPDK20110818_122635_000000363105_00354_49506_2726.N1	18-AUG-2011 12:26:35	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	49506	No
172	GOM_TRA_1PNPDK20110818_122814_000000373105_00354_49506_2727.N1	18-AUG-2011 12:28:14	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	49506	No
173	GOM_TRA_1PNPDK20110818_122947_000000393105_00354_49506_2728.N1	18-AUG-2011 12:29:47	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	49506	No
174	GOM_TRA_1PNPDK20110818_123503_000000383105_00354_49506_2729.N1	18-AUG-2011 12:35:03	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	49506	No
175	GOM_TRA_1PNPDK20110818_123925_000000493105_00354_49506_2730.N1	18-AUG-2011 12:39:25	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	49506	No
176	GOM_TRA_1PNPDK20110818_125442_000000523105_00354_49506_2731.N1	18-AUG-2011 12:54:42	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	49506	No
177	GOM_TRA_1PNPDK20110818_125743_000000403105_00354_49506_2732.N1	18-AUG-2011 12:57:43	Bright	40.000	107	37The Aur	2.6490	11000.	80	49506	No
178	GOM_TRA_1PNPDK20110818_130054_000000523105_00354_49506_2733.N1	18-AUG-2011 13:00:54	Twi_and_stray	52.000	28	12Bet Tau	1.6500	15200.	104	49506	No
179	GOM_TRA_1PNPDK20110818_130346_000000383105_00354_49506_2734.N1	18-AUG-2011 13:03:46	Twi_and_stray	38.000	44	24Gam Gem	1.9280	11000.	76	49506	No
180	GOM_TRA_1PNPDK20110818_130725_000000563105_00354_49506_2735.N1	18-AUG-2011 13:07:25	Dark	56.000	14	58Alp Ori	0.87000	3000.0	112	49506	No
181	GOM_TRA_1PNPDK20110818_131044_000000513105_00354_49506_2736.N1	18-AUG-2011 13:10:44	Dark	51.000	30	46Eps Ori	1.6940	30000.	102	49506	No
182	GOM_TRA_1PNPDK20110818_131211_000000493105_00354_49506_2737.N1	18-AUG-2011 13:12:11	Dark	48.500	125	44Iot Ori	2.7700	30000.	97	49506	No
183	GOM_TRA_1PNPDK20110818_131352_000000573105_00354_49506_2738.N1	18-AUG-2011 13:13:52	Dark	57.000	7	19Bet Ori	0.10000	14000.	114	49506	No
184	GOM_TRA_1PNPDK20110818_131538_000000463105_00354_49506_2739.N1	18-AUG-2011 13:15:38	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	49506	No
185	GOM_TRA_1PNPDK20110818_132949_000000513105_00355_49507_2740.N1	18-AUG-2011 13:29:49	Dark	51.000	157	The1Eri	2.9060	9300.0	102	49507	No
186	GOM_TRA_1PNPDK20110818_133331_000000463105_00355_49507_2741.N1	18-AUG-2011 13:33:31	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49507	No
187	GOM_TRA_1PNPDK20110818_133920_000000513105_00355_49507_2742.N1	18-AUG-2011 13:39:20	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	49507	No

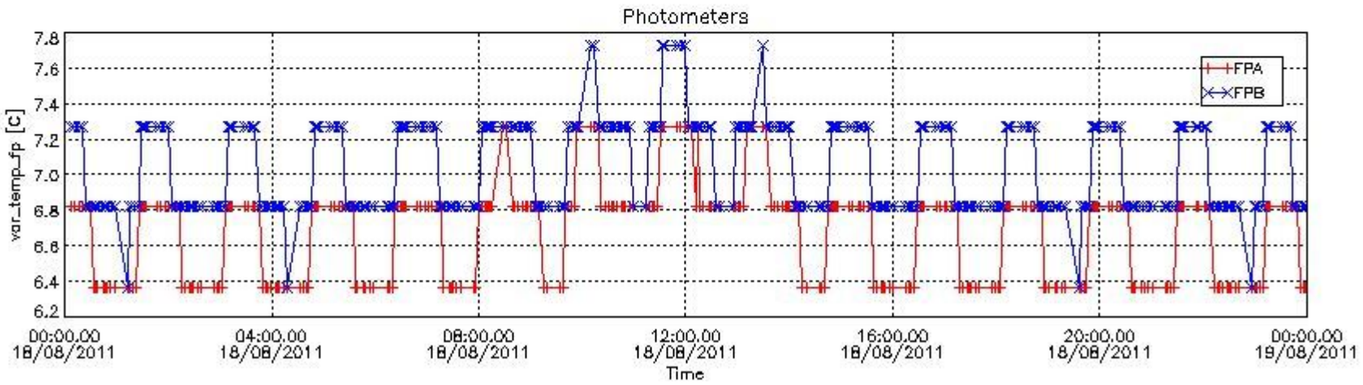
188	GOM_TRA_1PNPDK20110818_134232_000000413105_00355_49507_2743.N1	18-AUG-2011 13:42:32	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	49507	No
189	GOM_TRA_1PNPDK20110818_134630_000000533105_00355_49507_2744.N1	18-AUG-2011 13:46:30	Twi_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	49507	No
190	GOM_TRA_1PNPDK20110818_135155_000000433105_00355_49507_2764.N1	18-AUG-2011 13:51:55	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	49507	No
191	GOM_TRA_1PNPDK20110818_135516_000000413105_00355_49507_2765.N1	18-AUG-2011 13:55:16	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	49507	No
192	GOM_TRA_1PNPDK20110818_135709_000000463105_00355_49507_2766.N1	18-AUG-2011 13:57:09	Bright	45.500	162	34Alp Aqr	2.9440	5350.0	91	49507	No
193	GOM_TRA_1PNPDK20110818_140016_000000433105_00355_49507_2767.N1	18-AUG-2011 14:00:16	Bright	43.000	61	8Eps Peg	2.1000	3900.0	86	49507	No
194	GOM_TRA_1PNPDK20110818_140649_000000383105_00355_49507_2768.N1	18-AUG-2011 14:06:49	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	49507	No
195	GOM_TRA_1PNPDK20110818_140828_000000383105_00355_49507_2769.N1	18-AUG-2011 14:08:28	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	49507	No
196	GOM_TRA_1PNPDK20110818_141001_000000393105_00355_49507_2770.N1	18-AUG-2011 14:10:01	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	49507	No
197	GOM_TRA_1PNPDK20110818_141517_000000383105_00355_49507_2771.N1	18-AUG-2011 14:15:17	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	49507	No
198	GOM_TRA_1PNPDK20110818_141939_000000463105_00355_49507_2772.N1	18-AUG-2011 14:19:39	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	49507	No
199	GOM_TRA_1PNPDK20110818_143455_000000493105_00355_49507_2773.N1	18-AUG-2011 14:34:55	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	49507	No
200	GOM_TRA_1PNPDK20110818_143757_000000463105_00355_49507_2774.N1	18-AUG-2011 14:37:57	Bright	45.500	107	37The Aur	2.6490	11000.	91	49507	No
201	GOM_TRA_1PNPDK20110818_144108_000000533105_00355_49507_2775.N1	18-AUG-2011 14:41:08	Twi_and_stray	52.500	28	12Bet Tau	1.6500	15200.	105	49507	No
202	GOM_TRA_1PNPDK20110818_144400_000000403105_00355_49507_2776.N1	18-AUG-2011 14:44:00	Twi_and_stray	40.000	44	24Gam Gem	1.9280	11000.	80	49507	No
203	GOM_TRA_1PNPDK20110818_144739_000000523105_00355_49507_2777.N1	18-AUG-2011 14:47:39	Dark	51.500	14	58Alp Ori	0.87000	3000.0	103	49507	No
204	GOM_TRA_1PNPDK20110818_145059_000000523105_00355_49507_2778.N1	18-AUG-2011 14:50:59	Dark	51.500	30	46Eps Ori	1.6940	30000.	103	49507	No
205	GOM_TRA_1PNPDK20110818_145226_000000493105_00355_49507_2779.N1	18-AUG-2011 14:52:26	Dark	49.000	125	44Iot Ori	2.7700	30000.	98	49507	No
206	GOM_TRA_1PNPDK20110818_145407_000000593105_00355_49507_2780.N1	18-AUG-2011 14:54:07	Dark	59.000	7	19Bet Ori	0.10000	14000.	118	49507	No
207	GOM_TRA_1PNPDK20110818_145553_000000483105_00355_49507_2781.N1	18-AUG-2011 14:55:53	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	49507	No
208	GOM_TRA_1PNPDK20110818_151004_000000533105_00356_49508_2782.N1	18-AUG-2011 15:10:04	Dark	52.500	157	The1Eri	2.9060	9300.0	105	49508	No
209	GOM_TRA_1PNPDK20110818_151346_000000453105_00356_49508_2783.N1	18-AUG-2011 15:13:46	Dark	45.000	9	Alp Eri	0.45300	24000.	90	49508	No
210	GOM_TRA_1PNPDK20110818_151934_000000523105_00356_49508_2784.N1	18-AUG-2011 15:19:34	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	49508	No
211	GOM_TRA_1PNPDK20110818_152247_000000403105_00356_49508_2785.N1	18-AUG-2011 15:22:47	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	49508	No
212	GOM_TRA_1PNPDK20110818_152644_000000513105_00356_49508_2786.N1	18-AUG-2011 15:26:44	Twi_and_stray	51.000	18	24Alp PsA	1.1660	9700.0	102	49508	No
213	GOM_TRA_1PNPDK20110818_153209_000000433105_00356_49508_2795.N1	18-AUG-2011 15:32:09	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	49508	No
214	GOM_TRA_1PNPDK20110818_153530_000000413105_00356_49508_2796.N1	18-AUG-2011 15:35:30	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	49508	No
215	GOM_TRA_1PNPDK20110818_153723_000000473105_00356_49508_2797.N1	18-AUG-2011 15:37:23	Bright	46.500	162	34Alp Aqr	2.9440	5350.0	93	49508	No
216	GOM_TRA_1PNPDK20110818_154030_000000423105_00356_49508_2798.N1	18-AUG-2011 15:40:30	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	49508	No
217	GOM_TRA_1PNPDK20110818_154703_000000373105_00356_49508_2799.N1	18-AUG-2011 15:47:03	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	49508	No
218	GOM_TRA_1PNPDK20110818_154842_000000393105_00356_49508_2800.N1	18-AUG-2011 15:48:42	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	49508	No
219	GOM_TRA_1PNPDK20110818_155015_000000393105_00356_49508_2801.N1	18-AUG-2011 15:50:15	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	49508	No
220	GOM_TRA_1PNPDK20110818_155531_000000363105_00356_49508_2802.N1	18-AUG-2011 15:55:31	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	49508	No
221	GOM_TRA_1PNPDK20110818_155952_000000463105_00356_49508_2803.N1	18-AUG-2011 15:59:52	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	49508	No
222	GOM_TRA_1PNPDK20110818_161509_000000503105_00356_49508_2804.N1	18-AUG-2011 16:15:09	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	49508	No
223	GOM_TRA_1PNPDK20110818_161811_000000413105_00356_49508_2805.N1	18-AUG-2011 16:18:11	Bright	40.500	107	37The Aur	2.6490	11000.	81	49508	No
224	GOM_TRA_1PNPDK20110818_162122_000000553105_00356_49508_2806.N1	18-AUG-2011 16:21:22	Twi_and_stray	54.500	28	12Bet Tau	1.6500	15200.	109	49508	No
225	GOM_TRA_1PNPDK20110818_162415_000000393105_00356_49508_2807.N1	18-AUG-2011 16:24:15	Twi_and_stray	38.500	44	24Gam Gem	1.9280	11000.	77	49508	No
226	GOM_TRA_1PNPDK20110818_162754_000000633105_00356_49508_2808.N1	18-AUG-2011 16:27:54	Dark	63.000	14	58Alp Ori	0.87000	3000.0	126	49508	No
227	GOM_TRA_1PNPDK20110818_163113_000000543105_00356_49508_2809.N1	18-AUG-2011 16:31:13	Dark	54.000	30	46Eps Ori	1.6940	30000.	108	49508	No
228	GOM_TRA_1PNPDK20110818_163240_000000503105_00356_49508_2810.N1	18-AUG-2011 16:32:40	Dark	50.000	125	44Iot Ori	2.7700	30000.	100	49508	No
229	GOM_TRA_1PNPDK20110818_163422_000000583105_00356_49508_2811.N1	18-AUG-2011 16:34:22	Dark	58.000	7	19Bet Ori	0.10000	14000.	116	49508	No
230	GOM_TRA_1PNPDK20110818_163608_000000493105_00356_49508_2812.N1	18-AUG-2011 16:36:08	Dark	48.500	101	11Alp Lep	2.5820	7000.0	97	49508	No
231	GOM_TRA_1PNPDK20110818_165019_000000533105_00357_49509_2813.N1	18-AUG-2011 16:50:19	Dark	53.000	157	The1Eri	2.9060	9300.0	106	49509	No
232	GOM_TRA_1PNPDK20110818_165400_000000443105_00357_49509_2814.N1	18-AUG-2011 16:54:00	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49509	No
233	GOM_TRA_1PNPDK20110818_165949_000000513105_00357_49509_2815.N1	18-AUG-2011 16:59:49	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	49509	No
234	GOM_TRA_1PNPDK20110818_170301_000000453105_00357_49509_2816.N1	18-AUG-2011 17:03:01	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	49509	No
235	GOM_TRA_1PNPDK20110818_170659_000000533105_00357_49509_2827.N1	18-AUG-2011 17:06:59	Twi_and_stray	53.000	18	24Alp PsA	1.1660	9700.0	106	49509	No
236	GOM_TRA_1PNPDK20110818_171223_000000423105_00357_49509_2828.N1	18-AUG-2011 17:12:23	Bright	41.500	142	49Del Cap	2.8500	8900.0	83	49509	No
237	GOM_TRA_1PNPDK20110818_171544_000000423105_00357_49509_2829.N1	18-AUG-2011 17:15:44	Bright	41.500	154	22Bet Aqr	2.8990	5700.0	83	49509	No
238	GOM_TRA_1PNPDK20110818_171737_000000473105_00357_49509_2830.N1	18-AUG-2011 17:17:37	Bright	46.500	162	34Alp Aqr	2.9440	5350.0	93	49509	No
239	GOM_TRA_1PNPDK20110818_172044_000000433105_00357_49509_2831.N1	18-AUG-2011 17:20:44	Bright	43.000	61	8Eps Peg	2.1000	3900.0	86	49509	No
240	GOM_TRA_1PNPDK20110818_172717_000000383105_00357_49509_2832.N1	18-AUG-2011 17:27:17	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	49509	No
241	GOM_TRA_1PNPDK20110818_172856_000000373105_00357_49509_2833.N1	18-AUG-2011 17:28:56	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	49509	No
242	GOM_TRA_1PNPDK20110818_173028_000000393105_00357_49509_2834.N1	18-AUG-2011 17:30:28	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	49509	No
243	GOM_TRA_1PNPDK20110818_173545_000000393105_00357_49509_2835.N1	18-AUG-2011 17:35:45	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	49509	No
244	GOM_TRA_1PNPDK20110818_174005_000000493105_00357_49509_2836.N1	18-AUG-2011 17:40:05	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	49509	No
245	GOM_TRA_1PNPDK20110818_175523_000000493105_00357_49509_2837.N1	18-AUG-2011 17:55:23	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	49509	No
246	GOM_TRA_1PNPDK20110818_175825_000000413105_00357_49509_2838.N1	18-AUG-2011 17:58:25	Bright	40.500	107	37The Aur	2.6490	11000.	81	49509	No

247	GOM_TRA_1PNPDK20110818_180137_000000533105_00357_49509_2839.N1	18-AUG-2011 18:01:37	Twi_and_stray	52.500	28	12Bet Tau	1.6500	15200.	105	49509	No
248	GOM_TRA_1PNPDK20110818_180429_000000443105_00357_49509_2840.N1	18-AUG-2011 18:04:29	Twi_and_stray	44.000	44	24Gam Gem	1.9280	11000.	88	49509	No
249	GOM_TRA_1PNPDK20110818_180808_000000573105_00357_49509_2841.N1	18-AUG-2011 18:08:08	Dark	57.000	14	58Alp Ori	0.87000	3000.0	114	49509	No
250	GOM_TRA_1PNPDK20110818_181128_000000543105_00357_49509_2842.N1	18-AUG-2011 18:11:28	Dark	53.500	30	46Eps Ori	1.6940	30000.	107	49509	No
251	GOM_TRA_1PNPDK20110818_181255_000000493105_00357_49509_2843.N1	18-AUG-2011 18:12:55	Dark	49.000	125	44Iot Ori	2.7700	30000.	98	49509	No
252	GOM_TRA_1PNPDK20110818_181437_000000603105_00357_49509_2844.N1	18-AUG-2011 18:14:37	Dark	59.500	7	19Bet Ori	0.10000	14000.	119	49509	No
253	GOM_TRA_1PNPDK20110818_181623_000000473105_00357_49509_2845.N1	18-AUG-2011 18:16:23	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	49509	No
254	GOM_TRA_1PNPDK20110818_183035_000000523105_00358_49510_2846.N1	18-AUG-2011 18:30:35	Dark	51.500	157	The1Eri	2.9060	9300.0	103	49510	No
255	GOM_TRA_1PNPDK20110818_183415_000000473105_00358_49510_2847.N1	18-AUG-2011 18:34:15	Dark	46.500	9	Alp Eri	0.45300	24000.	93	49510	No
256	GOM_TRA_1PNPDK20110818_184004_000000613105_00358_49510_2848.N1	18-AUG-2011 18:40:04	Straylight	61.000	84	Alp Phe	2.3970	4500.0	122	49510	No
257	GOM_TRA_1PNPDK20110818_184315_000000403105_00358_49510_2869.N1	18-AUG-2011 18:43:15	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	49510	No
258	GOM_TRA_1PNPDK20110818_184713_000000553105_00358_49510_2870.N1	18-AUG-2011 18:47:13	Twi_and_stray	55.000	18	24Alp PsA	1.1660	9700.0	110	49510	No
259	GOM_TRA_1PNPDK20110818_185238_000000423105_00358_49510_2871.N1	18-AUG-2011 18:52:38	Bright	42.000	142	49Del Cap	2.8500	8900.0	84	49510	No
260	GOM_TRA_1PNPDK20110818_185559_000000413105_00358_49510_2872.N1	18-AUG-2011 18:55:59	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	49510	No
261	GOM_TRA_1PNPDK20110818_185750_000000463105_00358_49510_2873.N1	18-AUG-2011 18:57:50	Bright	45.500	162	34Alp Aqr	2.9440	5350.0	91	49510	No
262	GOM_TRA_1PNPDK20110818_190057_000000433105_00358_49510_2874.N1	18-AUG-2011 19:00:57	Bright	43.000	61	8Eps Peg	2.1000	3900.0	86	49510	No
263	GOM_TRA_1PNPDK20110818_190731_000000383105_00358_49510_2875.N1	18-AUG-2011 19:07:31	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	49510	No
264	GOM_TRA_1PNPDK20110818_190910_000000373105_00358_49510_2876.N1	18-AUG-2011 19:09:10	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	49510	No
265	GOM_TRA_1PNPDK20110818_191042_000000393105_00358_49510_2877.N1	18-AUG-2011 19:10:42	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	49510	No
266	GOM_TRA_1PNPDK20110818_191558_000000383105_00358_49510_2878.N1	18-AUG-2011 19:15:58	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	49510	No
267	GOM_TRA_1PNPDK20110818_192018_000000483105_00358_49510_2879.N1	18-AUG-2011 19:20:18	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	49510	No
268	GOM_TRA_1PNPDK20110818_193537_000000653105_00358_49510_2880.N1	18-AUG-2011 19:35:37	Bright	65.000	6	13Alp Aur	0.080000	3400.0	130	49510	No
269	GOM_TRA_1PNPDK20110818_193840_000000423105_00358_49510_2881.N1	18-AUG-2011 19:38:40	Bright	42.000	107	37The Aur	2.6490	11000.	84	49510	No
270	GOM_TRA_1PNPDK20110818_194151_000000523105_00358_49510_2882.N1	18-AUG-2011 19:41:51	Twi_and_stray	51.500	28	12Bet Tau	1.6500	15200.	103	49510	No
271	GOM_TRA_1PNPDK20110818_194443_000000443105_00358_49510_2883.N1	18-AUG-2011 19:44:43	Twi_and_stray	44.000	44	24Gam Gem	1.9280	11000.	88	49510	No
272	GOM_TRA_1PNPDK20110818_194823_000000583105_00358_49510_2884.N1	18-AUG-2011 19:48:23	Dark	58.000	14	58Alp Ori	0.87000	3000.0	116	49510	No
273	GOM_TRA_1PNPDK20110818_195143_000000543105_00358_49510_2885.N1	18-AUG-2011 19:51:43	Dark	54.000	30	46Eps Ori	1.6940	30000.	108	49510	No
274	GOM_TRA_1PNPDK20110818_195310_000000493105_00358_49510_2886.N1	18-AUG-2011 19:53:10	Dark	49.000	125	44Iot Ori	2.7700	30000.	98	49510	No
275	GOM_TRA_1PNPDK20110818_195452_000000603105_00358_49510_2887.N1	18-AUG-2011 19:54:52	Dark	60.000	7	19Bet Ori	0.10000	14000.	120	49510	No
276	GOM_TRA_1PNPDK20110818_195637_000000483105_00358_49510_2888.N1	18-AUG-2011 19:56:37	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	49510	No
277	GOM_TRA_1PNPDK20110818_201050_000000513105_00359_49511_2889.N1	18-AUG-2011 20:10:50	Dark	51.000	157	The1Eri	2.9060	9300.0	102	49511	No
278	GOM_TRA_1PNPDK20110818_201430_000000453105_00359_49511_2890.N1	18-AUG-2011 20:14:30	Dark	45.000	9	Alp Eri	0.45300	24000.	90	49511	No
279	GOM_TRA_1PNPDK20110818_202019_000000643105_00359_49511_2891.N1	18-AUG-2011 20:20:19	Straylight	63.500	84	Alp Phe	2.3970	4500.0	127	49511	No
280	GOM_TRA_1PNPDE20110818_202330_000000413105_00359_49511_6227.N1	18-AUG-2011 20:23:30	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	49511	No
281	GOM_TRA_1PNPDE20110818_202728_000000533105_00359_49511_6228.N1	18-AUG-2011 20:27:28	Twi_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	49511	No
282	GOM_TRA_1PNPDE20110818_203252_000000583105_00359_49511_6229.N1	18-AUG-2011 20:32:52	Bright	58.000	142	49Del Cap	2.8500	8900.0	116	49511	No
283	GOM_TRA_1PNPDE20110818_203613_000000423105_00359_49511_6230.N1	18-AUG-2011 20:36:13	Bright	41.500	154	22Bet Aqr	2.8990	5700.0	83	49511	No
284	GOM_TRA_1PNPDE20110818_203804_000000473105_00359_49511_6231.N1	18-AUG-2011 20:38:04	Bright	46.500	162	34Alp Aqr	2.9440	5350.0	93	49511	No
285	GOM_TRA_1PNPDE20110818_204111_000000453105_00359_49511_6232.N1	18-AUG-2011 20:41:11	Bright	44.500	61	8Eps Peg	2.1000	3900.0	89	49511	No
286	GOM_TRA_1PNPDE20110818_204745_000000353105_00359_49511_6233.N1	18-AUG-2011 20:47:45	Bright	35.000	92	53Eps Cyg	2.5000	4500.0	70	49511	No
287	GOM_TRA_1PNPDE20110818_205056_000000393105_00359_49511_6234.N1	18-AUG-2011 20:50:56	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	49511	No
288	GOM_TRA_1PNPDE20110818_205612_000000393105_00359_49511_6235.N1	18-AUG-2011 20:56:12	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	49511	No
289	GOM_TRA_1PNPDE20110818_210032_000000473105_00359_49511_6236.N1	18-AUG-2011 21:00:32	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	49511	No
290	GOM_TRA_1PNPDE20110818_211551_000000493105_00359_49511_6237.N1	18-AUG-2011 21:15:51	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	49511	No
291	GOM_TRA_1PNPDE20110818_211853_000000403105_00359_49511_6238.N1	18-AUG-2011 21:18:53	Bright	40.000	107	37The Aur	2.6490	11000.	80	49511	No
292	GOM_TRA_1PNPDE20110818_212205_000000563105_00359_49511_6239.N1	18-AUG-2011 21:22:05	Twi_and_stray	56.000	28	12Bet Tau	1.6500	15200.	112	49511	No
293	GOM_TRA_1PNPDE20110818_212457_000000453105_00359_49511_6240.N1	18-AUG-2011 21:24:57	Twi_and_stray	44.500	44	24Gam Gem	1.9280	11000.	89	49511	No
294	GOM_TRA_1PNPDE20110818_212837_000000563105_00359_49511_6241.N1	18-AUG-2011 21:28:37	Dark	56.000	14	58Alp Ori	0.87000	3000.0	112	49511	No
295	GOM_TRA_1PNPDE20110818_213157_000000523105_00359_49511_6242.N1	18-AUG-2011 21:31:57	Dark	51.500	30	46Eps Ori	1.6940	30000.	103	49511	No
296	GOM_TRA_1PNPDE20110818_213324_000000463105_00359_49511_6352.N1	18-AUG-2011 21:33:24	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	49511	Yes
297	GOM_TRA_1PNPDE20110818_213507_000000643105_00359_49511_6353.N1	18-AUG-2011 21:35:07	Dark	63.500	7	19Bet Ori	0.10000	14000.	127	49511	No
298	GOM_TRA_1PNPDE20110818_213652_000000483105_00359_49511_6354.N1	18-AUG-2011 21:36:52	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	49511	No
299	GOM_TRA_1PNPDE20110818_215105_000000523105_00360_49512_6355.N1	18-AUG-2011 21:51:05	Dark	51.500	157	The1Eri	2.9060	9300.0	103	49512	No
300	GOM_TRA_1PNPDE20110818_215444_000000473105_00360_49512_6356.N1	18-AUG-2011 21:54:44	Dark	47.000	9	Alp Eri	0.45300	24000.	94	49512	No
301	GOM_TRA_1PNPDE20110818_220034_000000603105_00360_49512_6357.N1	18-AUG-2011 22:00:34	Straylight	60.000	84	Alp Phe	2.3970	4500.0	120	49512	No
302	GOM_TRA_1PNPDE20110818_220258_000000573105_00360_49512_6358.N1	18-AUG-2011 22:02:58	Straylight	57.000	63	Bet Gru	2.1500	2800.0	114	49512	No
303	GOM_TRA_1PNPDE20110818_220742_000000543105_00360_49512_6359.N1	18-AUG-2011 22:07:42	Twi_and_stray	54.000	18	24Alp PsA	1.1660	9700.0	108	49512	No
304	GOM_TRA_1PNPDE20110818_221306_000000413105_00360_49512_6360.N1	18-AUG-2011 22:13:06	Bright	40.500	142	49Del Cap	2.8500	8900.0	81	49512	No
305	GOM_TRA_1PNPDE20110818_221626_000000423105_00360_49512_6361.N1	18-AUG-2011 22:16:26	Bright	41.500	154	22Bet Aqr	2.8990	5700.0	83	49512	No

306	GOM_TRA_1PNPDE20110818_221818_000000453105_00360_49512_6362.N1	18-AUG-2011 22:18:18	Bright	45.000	162	34Alp Aqr	2.9440	5350.0	90	49512	No
307	GOM_TRA_1PNPDE20110818_222125_000000423105_00360_49512_6363.N1	18-AUG-2011 22:21:25	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	49512	No
308	GOM_TRA_1PNPDE20110818_222758_000000393105_00360_49512_6364.N1	18-AUG-2011 22:27:58	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	49512	No
309	GOM_TRA_1PNPDE20110818_222938_000000353105_00360_49512_6365.N1	18-AUG-2011 22:29:38	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	49512	No
310	GOM_TRA_1PNPDE20110818_223110_000000363105_00360_49512_6366.N1	18-AUG-2011 22:31:10	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	49512	No
311	GOM_TRA_1PNPDE20110818_223626_000000393105_00360_49512_6367.N1	18-AUG-2011 22:36:26	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	49512	No
312	GOM_TRA_1PNPDE20110818_224045_000000473105_00360_49512_6368.N1	18-AUG-2011 22:40:45	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	49512	No
313	GOM_TRA_1PNPDE20110818_225605_000000513105_00360_49512_6369.N1	18-AUG-2011 22:56:05	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	49512	No
314	GOM_TRA_1PNPDE20110818_225907_000000403105_00360_49512_6370.N1	18-AUG-2011 22:59:07	Bright	39.500	107	37The Aur	2.6490	11000.	79	49512	No
315	GOM_TRA_1PNPDE20110818_230219_000000573105_00360_49512_6371.N1	18-AUG-2011 23:02:19	Twi_and_stray	56.500	28	12Bet Tau	1.6500	15200.	113	49512	No
316	GOM_TRA_1PNPDE20110818_230512_000000463105_00360_49512_6372.N1	18-AUG-2011 23:05:12	Twi_and_stray	45.500	44	24Gam Gem	1.9280	11000.	91	49512	No
317	GOM_TRA_1PNPDE20110818_230851_000000633105_00360_49512_6373.N1	18-AUG-2011 23:08:51	Dark	63.000	14	58Alp Ori	0.87000	3000.0	126	49512	No
318	GOM_TRA_1PNPDE20110818_231212_000000523105_00360_49512_6374.N1	18-AUG-2011 23:12:12	Dark	51.500	30	46Eps Ori	1.6940	30000.	103	49512	No
319	GOM_TRA_1PNPDE20110818_231339_000000483105_00360_49512_6375.N1	18-AUG-2011 23:13:39	Dark	48.000	125	44Iot Ori	2.7700	30000.	96	49512	No
320	GOM_TRA_1PNPDE20110818_231522_000000603105_00360_49512_6375.N1	18-AUG-2011 23:15:22	Dark	59.500	7	19Bet Ori	0.10000	14000.	119	49512	No
321	GOM_TRA_1PNPDE20110818_231707_000000473105_00360_49512_6376.N1	18-AUG-2011 23:17:07	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	49512	No
322	GOM_TRA_1PNPDE20110818_233120_000000523105_00361_49513_6377.N1	18-AUG-2011 23:31:20	Dark	52.000	157	The1Eri	2.9060	9300.0	104	49513	No
323	GOM_TRA_1PNPDE20110818_233459_000000433105_00361_49513_6378.N1	18-AUG-2011 23:34:59	Dark	43.000	9	Alp Eri	0.45300	24000.	86	49513	No
324	GOM_TRA_1PNPDE20110818_234048_000000603105_00361_49513_6379.N1	18-AUG-2011 23:40:48	Straylight	59.500	84	Alp Phe	2.3970	4500.0	119	49513	No
325	GOM_TRA_1PNPDE20110818_234312_000000573105_00361_49513_6380.N1	18-AUG-2011 23:43:12	Straylight	56.500	63	Bet Gru	2.1500	2800.0	113	49513	No
326	GOM_TRA_1PNPDE20110818_234756_000000553105_00361_49513_6381.N1	18-AUG-2011 23:47:56	Twi_and_stray	54.500	18	24Alp PsA	1.1660	9700.0	109	49513	No
327	GOM_TRA_1PNPDE20110818_235320_000000433105_00361_49513_6382.N1	18-AUG-2011 23:53:20	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	49513	No
328	GOM_TRA_1PNPDE20110818_235640_000000413105_00361_49513_6383.N1	18-AUG-2011 23:56:40	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	49513	No
329	GOM_TRA_1PNPDE20110818_235832_000000453105_00361_49513_6384.N1	18-AUG-2011 23:58:32	Bright	44.500	162	34Alp Aqr	2.9440	5350.0	89	49513	No

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





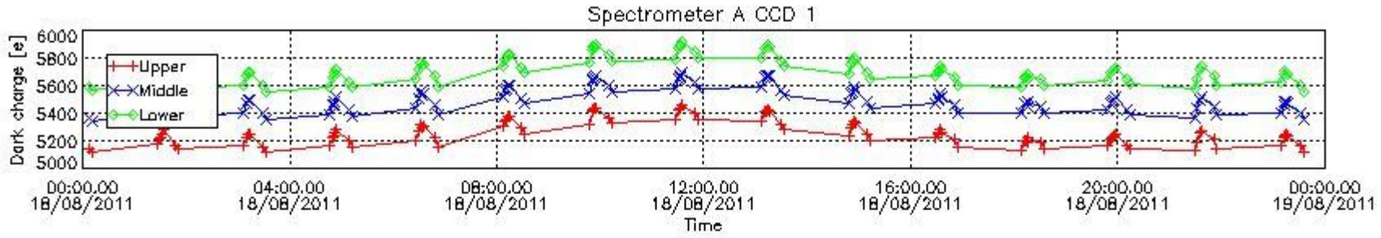
4. Overview of dark signal processing per product

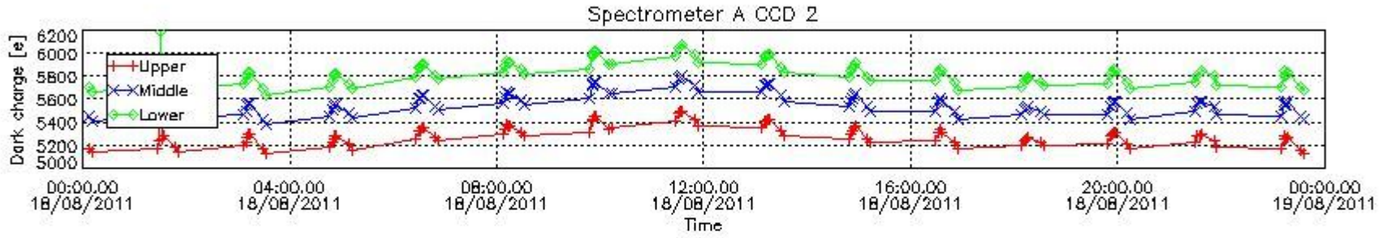
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore substracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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

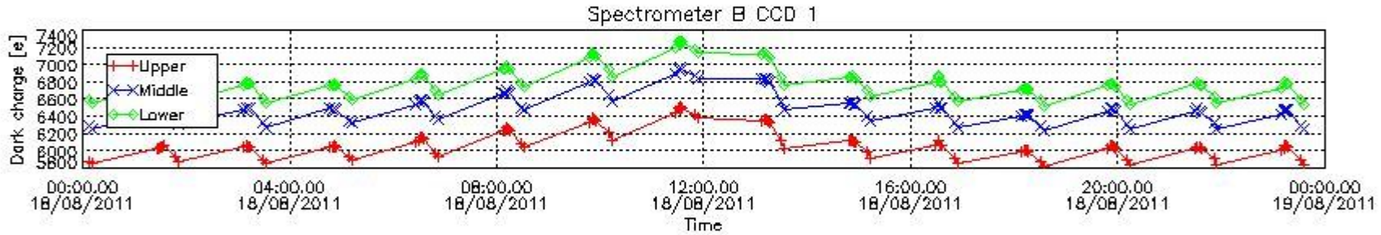
4.1 These products did not use the DSA observation for DC computation:

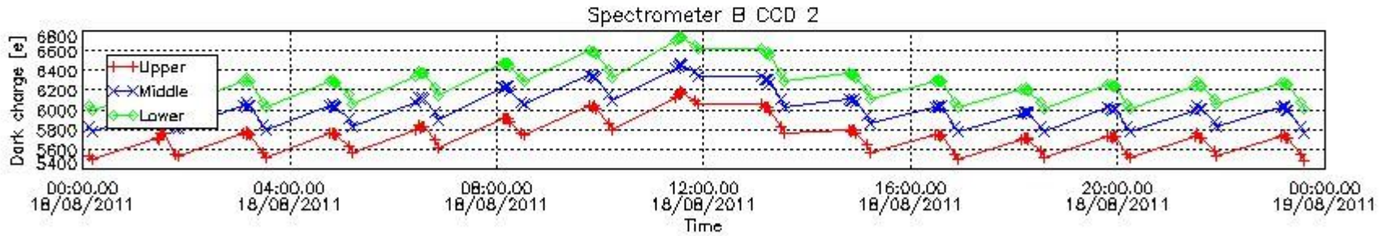
Product name	DC information
GOM_TRA_1PNPDE20110818_202330_000000413105_00359_49511_6227.N1	DC map used
GOM_TRA_1PNPDE20110818_202728_000000533105_00359_49511_6228.N1	DC map used
GOM_TRA_1PNPDE20110818_203252_000000583105_00359_49511_6229.N1	DC map used
GOM_TRA_1PNPDE20110818_203613_000000423105_00359_49511_6230.N1	DC map used
GOM_TRA_1PNPDE20110818_203804_000000473105_00359_49511_6231.N1	DC map used
GOM_TRA_1PNPDE20110818_204111_000000453105_00359_49511_6232.N1	DC map used
GOM_TRA_1PNPDE20110818_204745_000000353105_00359_49511_6233.N1	DC map used
GOM_TRA_1PNPDE20110818_205056_000000393105_00359_49511_6234.N1	DC map used
GOM_TRA_1PNPDE20110818_205612_000000393105_00359_49511_6235.N1	DC map used
GOM_TRA_1PNPDE20110818_210032_000000473105_00359_49511_6236.N1	DC map used
GOM_TRA_1PNPDE20110818_211551_000000493105_00359_49511_6237.N1	DC map used
GOM_TRA_1PNPDE20110818_211853_000000403105_00359_49511_6238.N1	DC map used
GOM_TRA_1PNPDE20110818_212205_000000563105_00359_49511_6239.N1	DC map used
GOM_TRA_1PNPDE20110818_212457_000000453105_00359_49511_6240.N1	DC map used
GOM_TRA_1PNPDE20110818_212837_000000563105_00359_49511_6241.N1	DC map used
GOM_TRA_1PNPDE20110818_213157_000000523105_00359_49511_6242.N1	DC map used

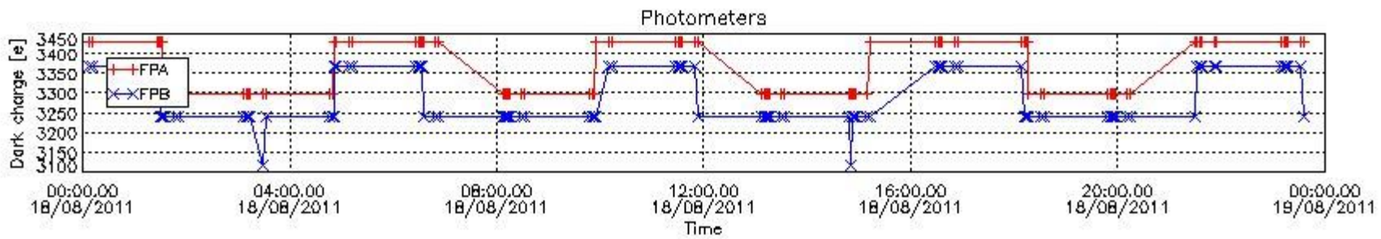
4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used











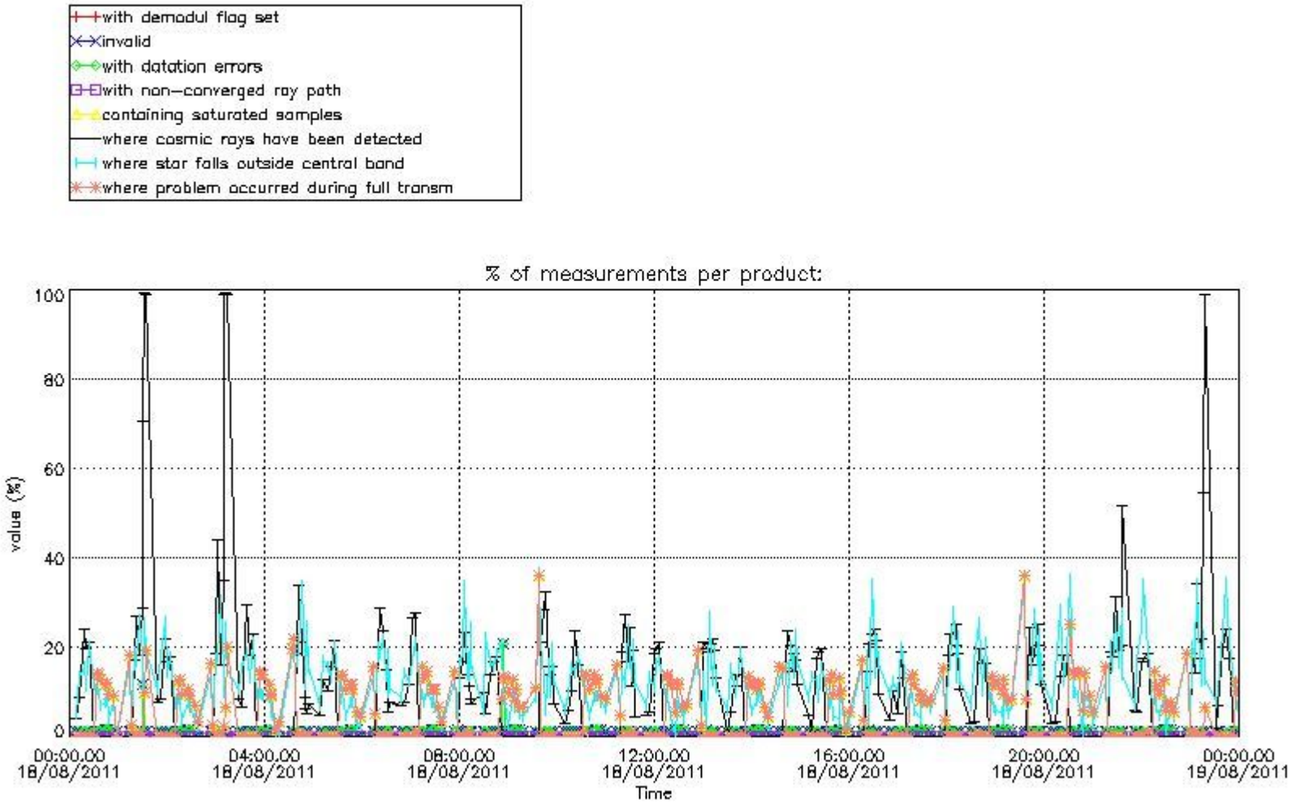
5. Demodulation flag and quality information monitoring

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:

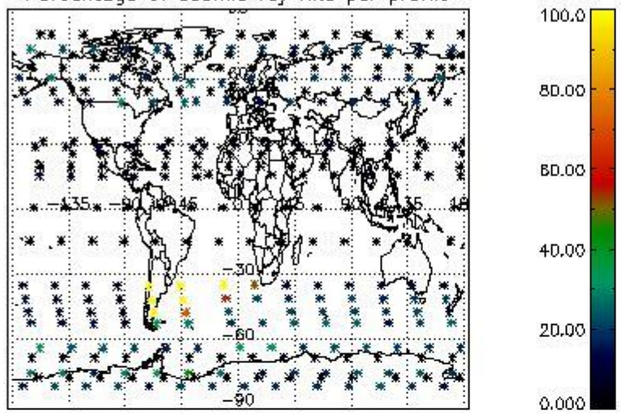
At least one measurement with demodulation flag set:	48.4756 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	47.5610 %

5.2 Plot quality information per product (time dependant)

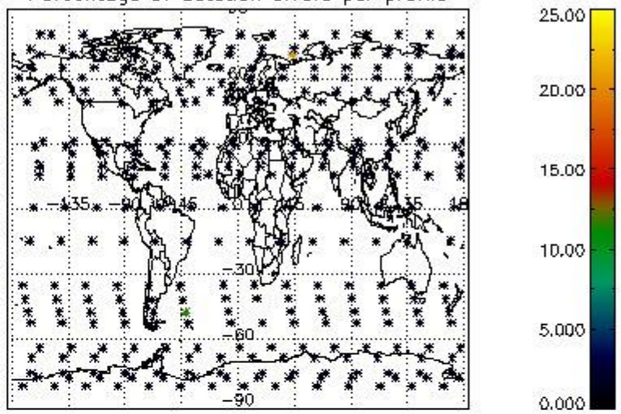


5.3 Plot quality information per product (world map)

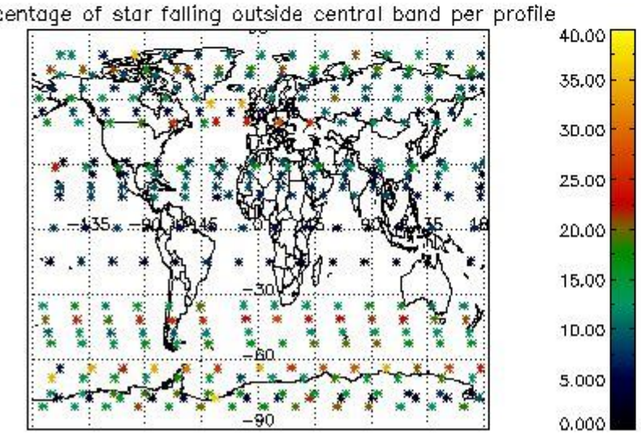
Percentage of cosmic ray hits per profile



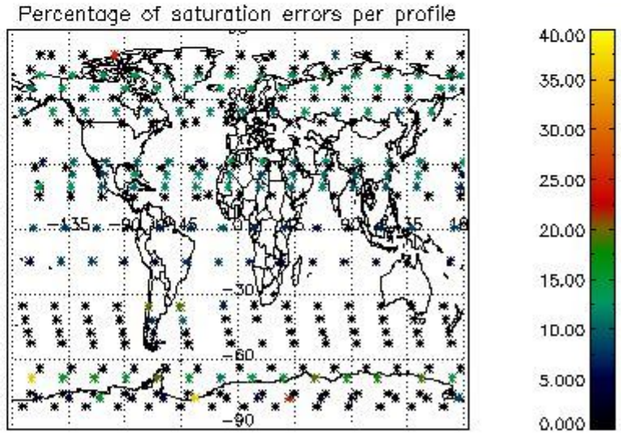
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



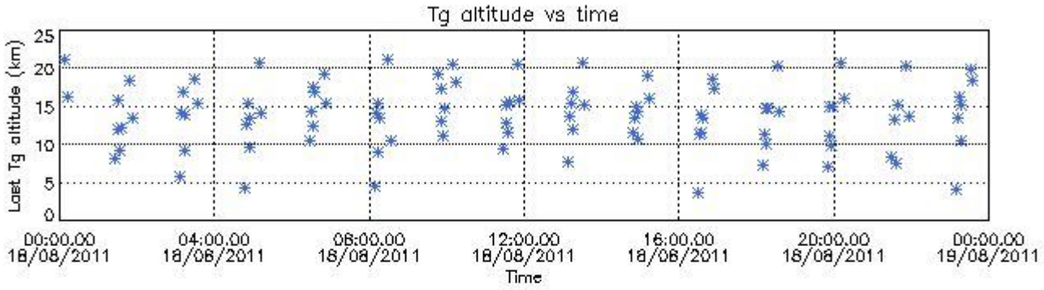
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

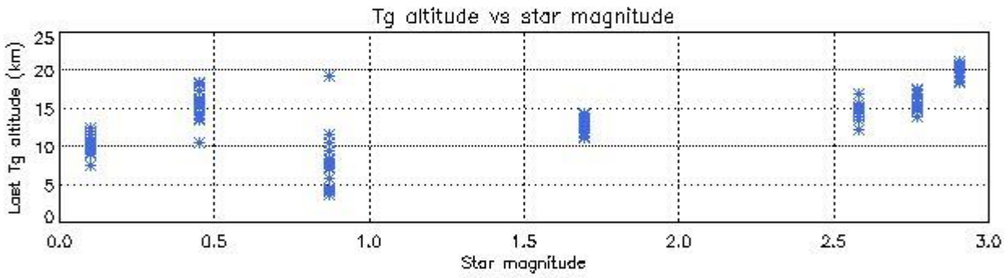
6.1 Statistics on tangent altitude lost:

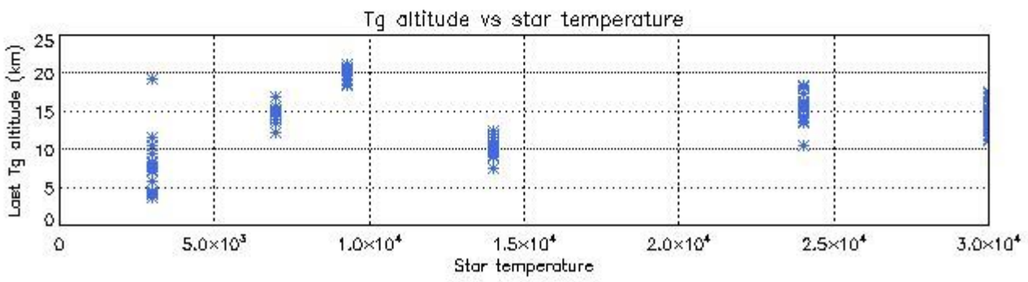
Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.876	19.349	NaN
St. deviation:	4.1444	3.6359	NaN
Maximum:	21.197	28.028	NaN
Minimum:	3.6299	3.7888	NaN
Number of data:	99.000	156.00	NaN

6.2 Plot for DARK limb products

Tangent altitude at which the star is lost

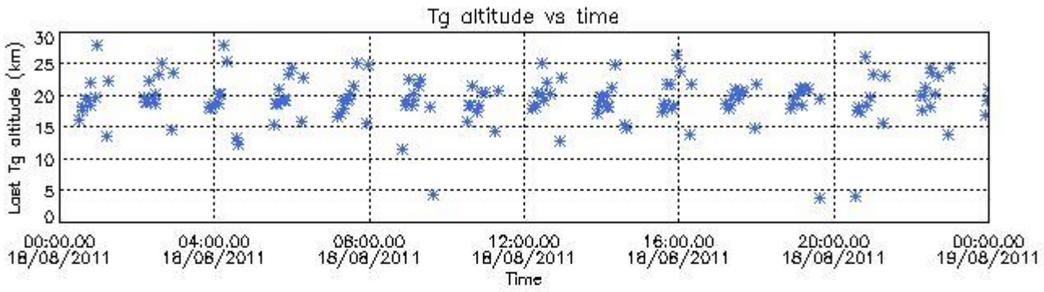


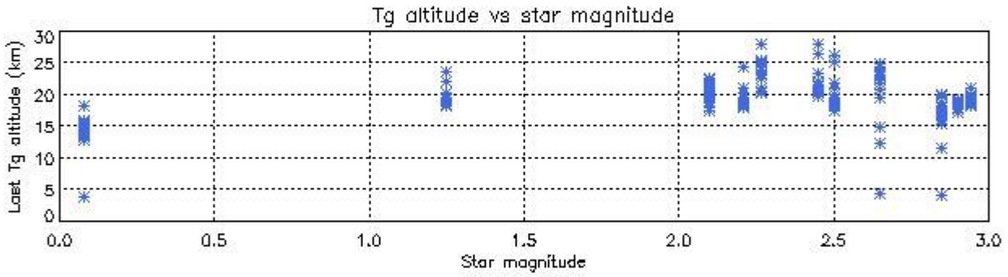


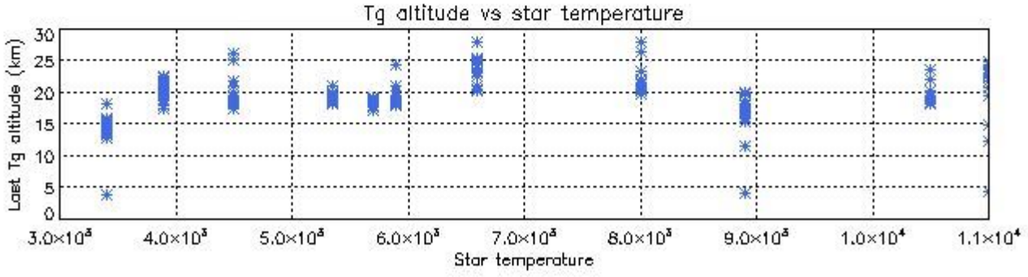


6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost





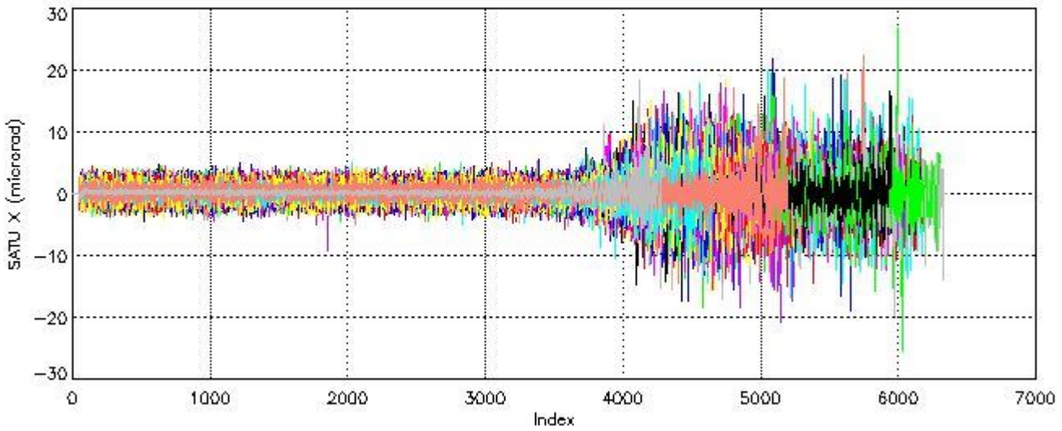


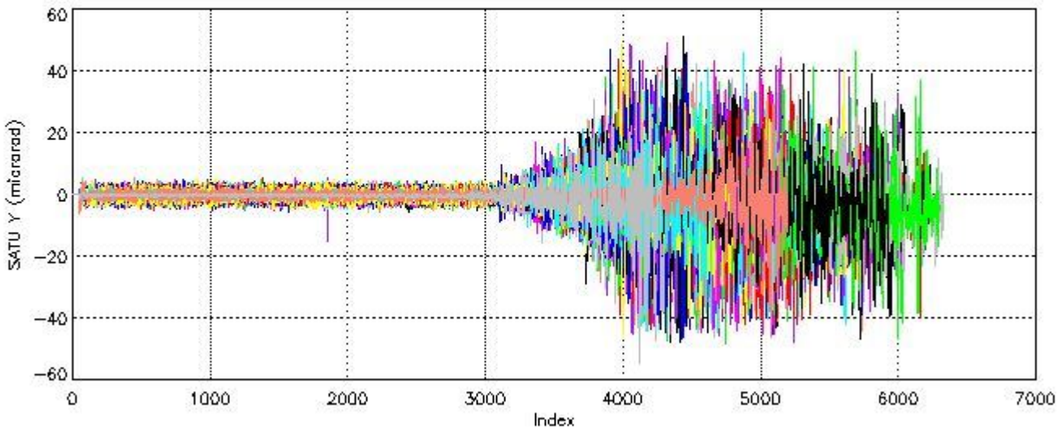
7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main functin 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 frecuency 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:	0.22468	-0.23550	0.21911	-0.24066
St. deviation:	0.58033	0.64960	0.69574	0.76461
Maximum:	4.7000	5.5000	6.0000	5.0000
Minimum:	-4.5000	-6.3000	-4.5000	-4.8000

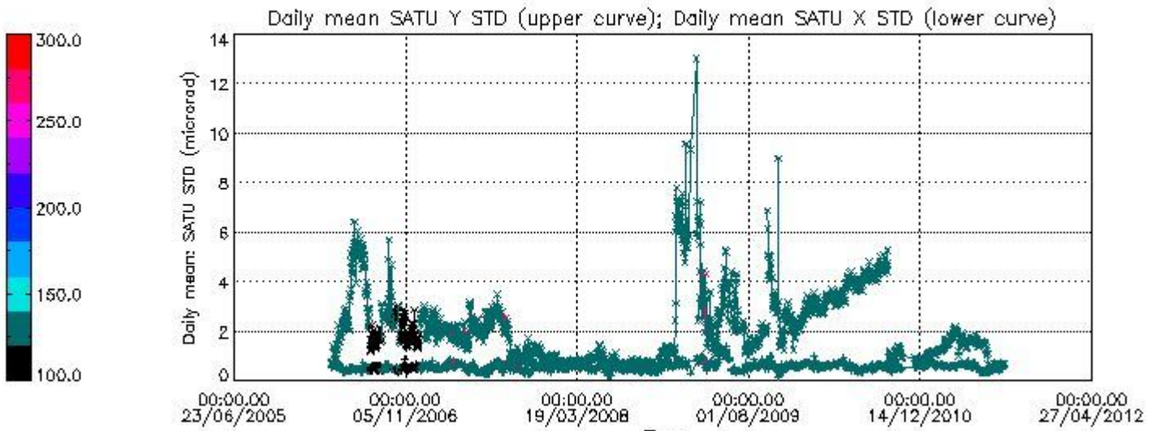
Number of data:	1.0730E+05	1.0730E+05	1.4970E+05	1.4970E+05
90Percentile:	1.1000	0.60000	1.1000	0.70000

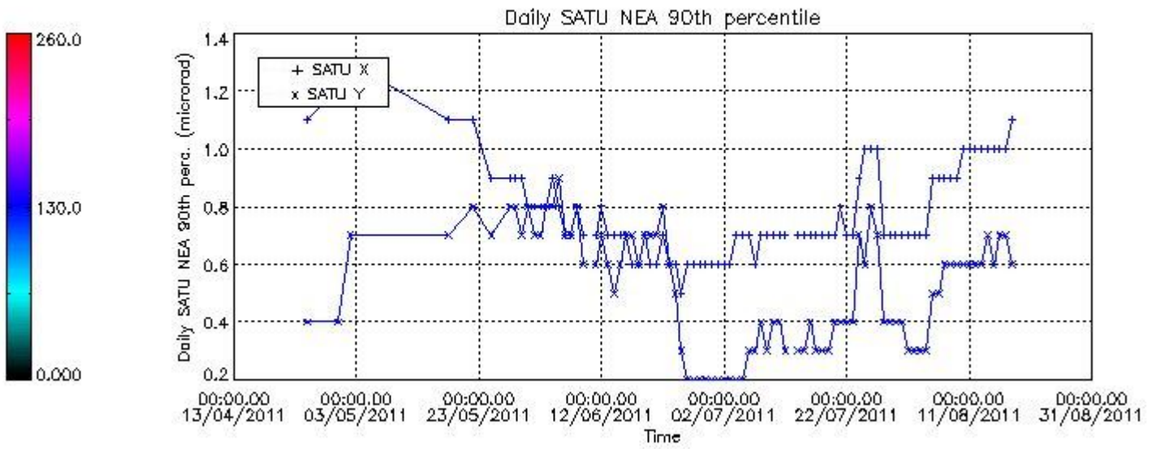
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

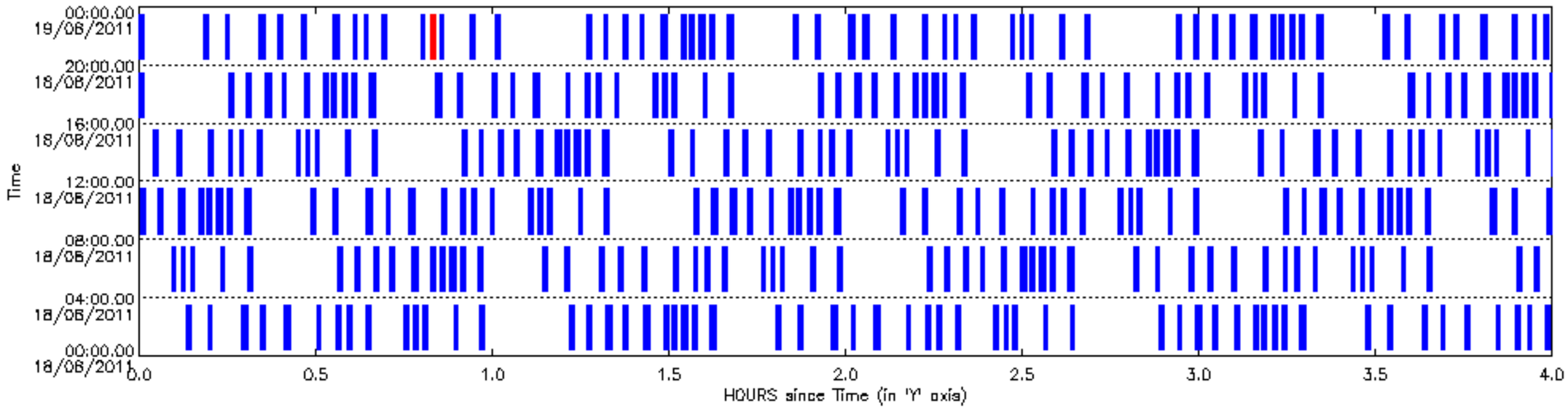


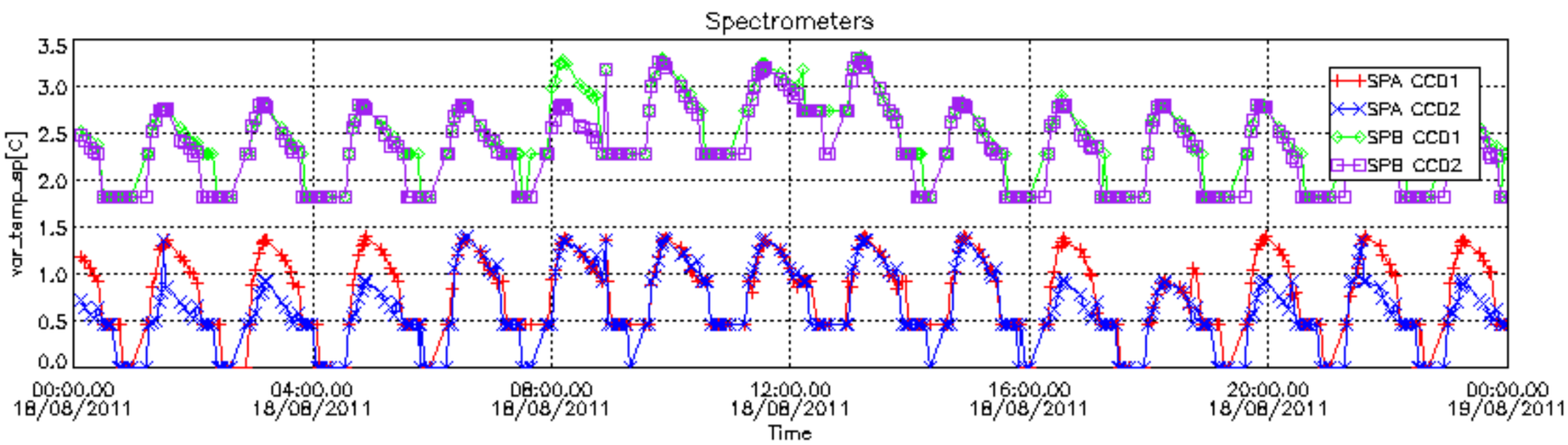


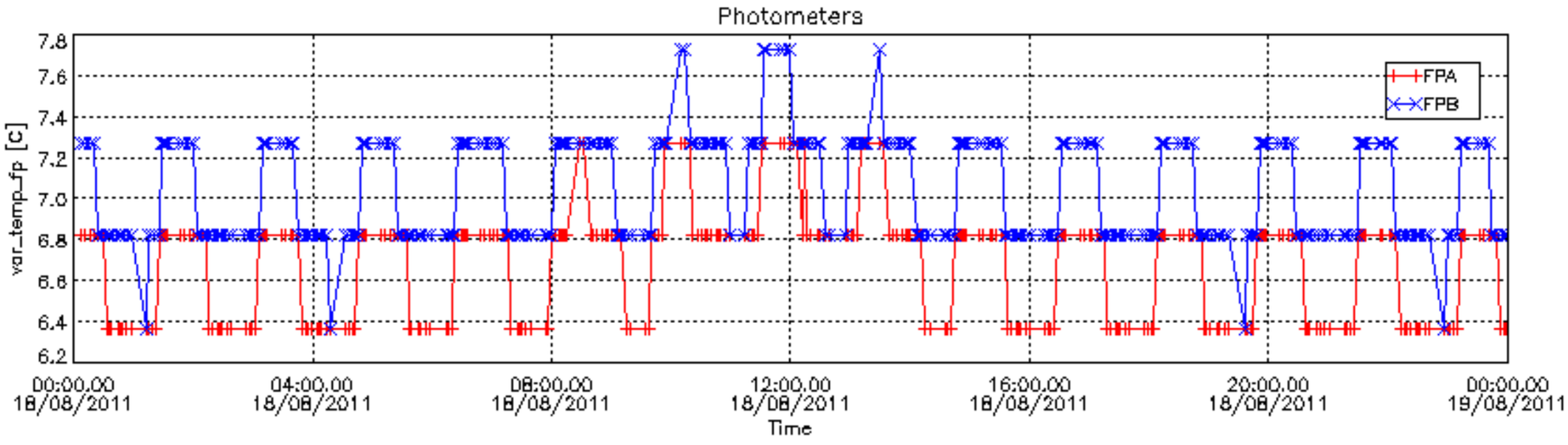
8. Auxiliary Data Files used for the production reported in section 2.4

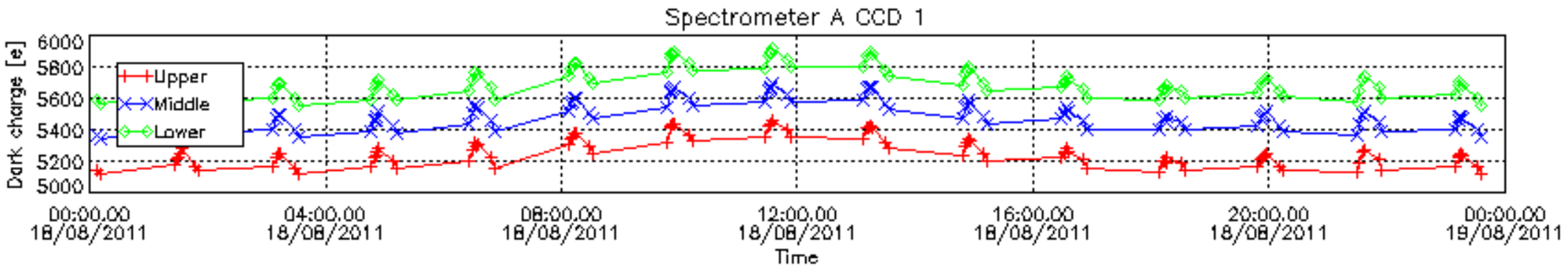
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

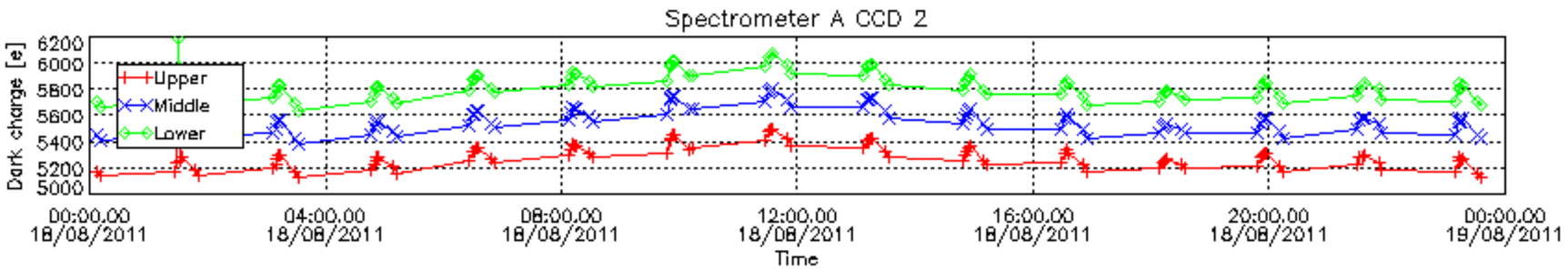
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	18-AUG-2011 00:07:48
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110817_075307_20110816_000000_20500101_000000	1	18-AUG-2011 00:07:48
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	18-AUG-2011 00:07:48
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	18-AUG-2011 00:07:48
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	18-AUG-2011 00:07:48
ECMWF_FILE	AUX_ECF_AXNECM20110817_062115_20110817_210000_20110818_090000	1	18-AUG-2011 00:07:48
ECMWF_FILE	AUX_ECF_AXNECM20110817_180418_20110818_030000_20110818_150000	61	18-AUG-2011 04:33:32
ECMWF_FILE	AUX_ECA_AXNECM20110818_062426_20110817_210000_20110818_090000	84	18-AUG-2011 06:13:46
ECMWF_FILE	AUX_ECF_AXNECM20110817_180418_20110818_030000_20110818_150000	122	18-AUG-2011 08:54:35
ECMWF_FILE	AUX_ECF_AXNECM20110818_062426_20110818_090000_20110818_210000	145	18-AUG-2011 10:34:49
ECMWF_FILE	AUX_ECF_AXNECM20110818_062427_20110818_150000_20110819_030000	213	18-AUG-2011 15:32:09
ECMWF_FILE	AUX_ECA_AXNECM20110818_184426_20110818_090000_20110818_210000	257	18-AUG-2011 18:43:15
ECMWF_FILE	AUX_ECF_AXNECM20110818_062427_20110818_150000_20110819_030000	280	18-AUG-2011 20:23:30
ECMWF_FILE	AUX_ECF_AXNECM20110818_062427_20110818_210000_20110819_090000	296	18-AUG-2011 21:33:24
OPTIONAL_ECMWF_FILE	MISSING	1	18-AUG-2011 00:07:48
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110817_222418_20110817_104145_20110827_125532	1	18-AUG-2011 00:07:48
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110818_102424_20110817_190255_20110827_211642	145	18-AUG-2011 10:34:49

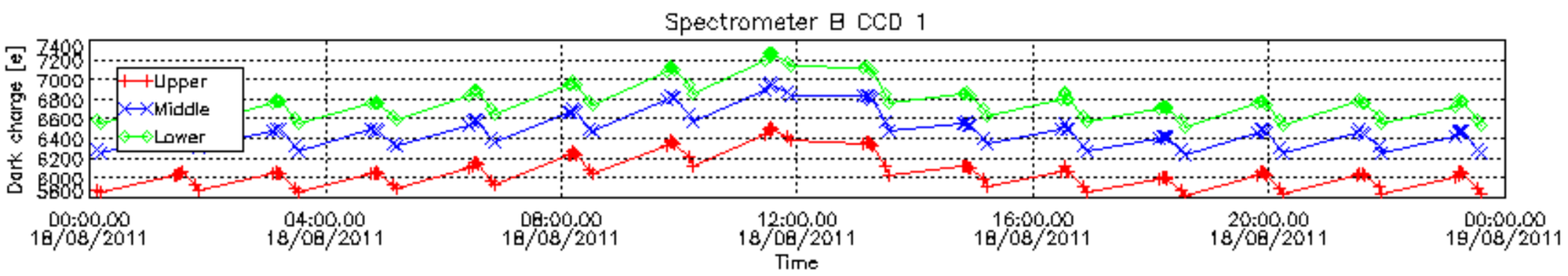

00:00.00
19/08/2011
20:00.00
18/08/2011
16:00.00
18/08/2011
12:00.00
18/08/2011
08:00.00
18/08/2011
04:00.00
18/08/2011
00:00.00
18/08/2011
Time
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
HOURS since Time (in 'Y' axis)

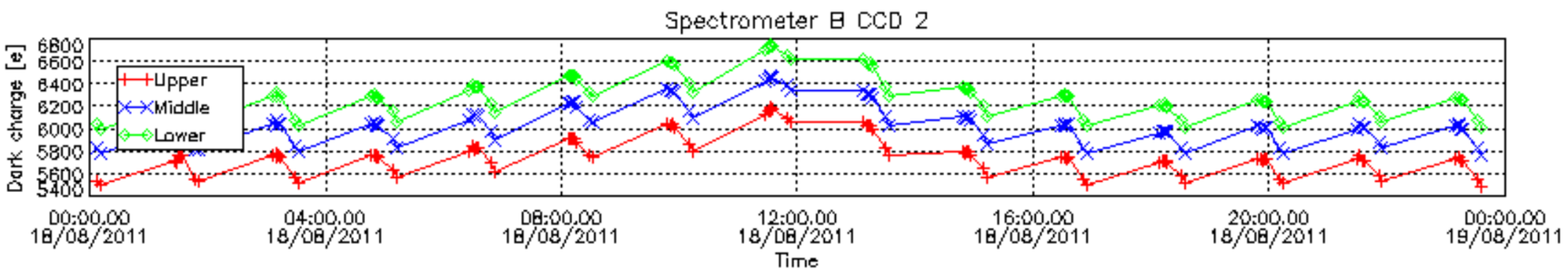

Spectrometers
var_temp_sp[C]
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
SPA CCD1
SPA CCD2
SPB CCD1
SPB CCD2
00:00.00
18/08/2011
04:00.00
18/08/2011
08:00.00
18/08/2011
12:00.00
18/08/2011
16:00.00
18/08/2011
20:00.00
18/08/2011
00:00.00
19/08/2011
Time

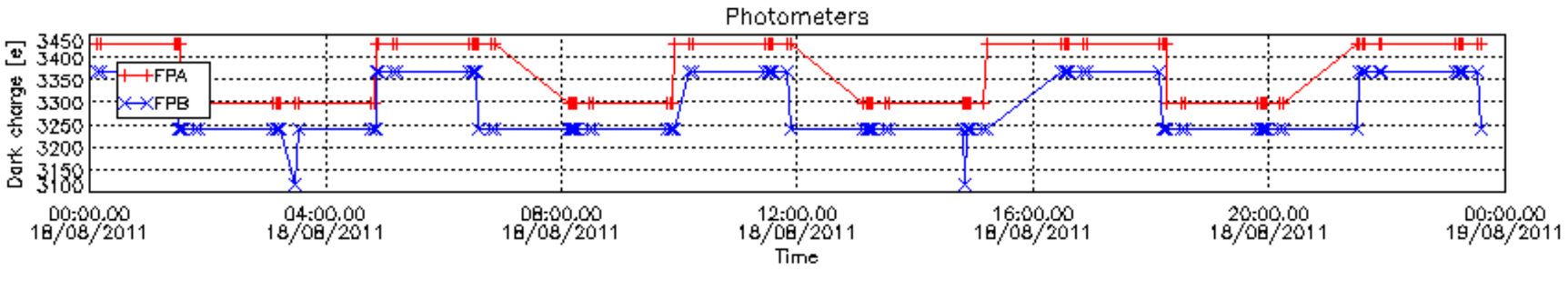

Photometers
var_temp_fp [C]
7.8
7.6
7.4
7.2
7.0
6.8
6.6
6.4
6.2
FPA
FPB
00:00.00
18/08/2011
04:00.00
18/08/2011
08:00.00
18/08/2011
12:00.00
18/08/2011
16:00.00
18/08/2011
20:00.00
18/08/2011
00:00.00
19/08/2011
Time

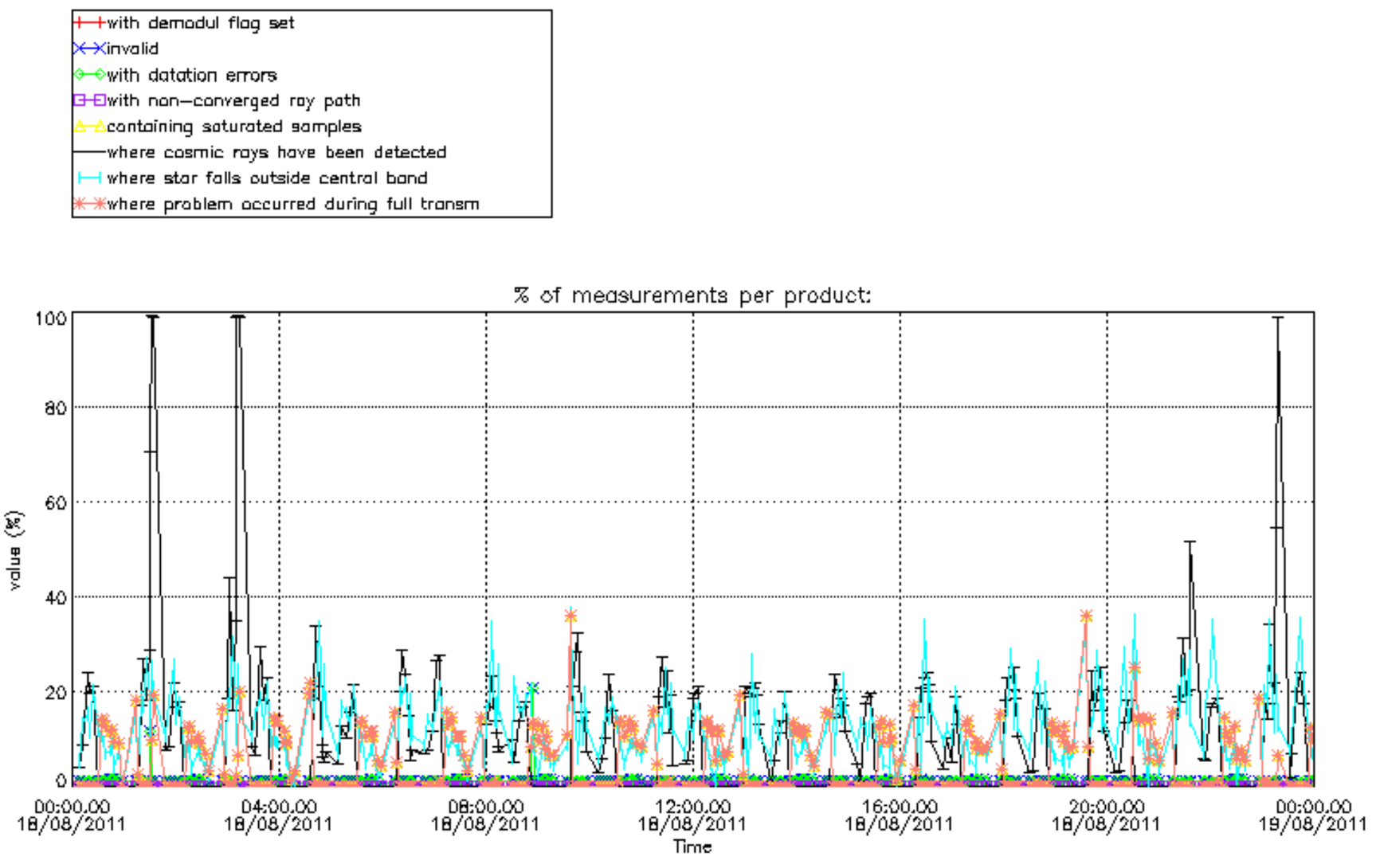

Spectrometer A CCD 1
Dark charge [e]
6000
5800
5600
5400
5200
5000
Upper
Middle
Lower
00:00.00 18/08/2011
04:00.00 18/08/2011
08:00.00 18/08/2011
12:00.00 18/08/2011
16:00.00 18/08/2011
20:00.00 18/08/2011
00:00.00 19/08/2011
Time

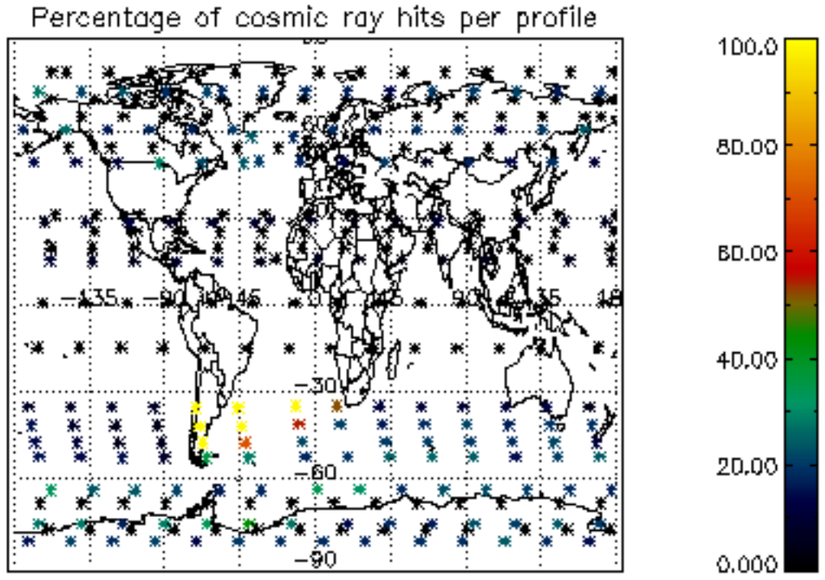

Spectrometer A CCD 2
Dark charge [e]
6200
6000
5800
5600
5400
5200
5000
Upper
Middle
Lower
00:00.00 18/08/2011
04:00.00 18/08/2011
08:00.00 18/08/2011
12:00.00 18/08/2011
16:00.00 18/08/2011
20:00.00 18/08/2011
00:00.00 19/08/2011
Time

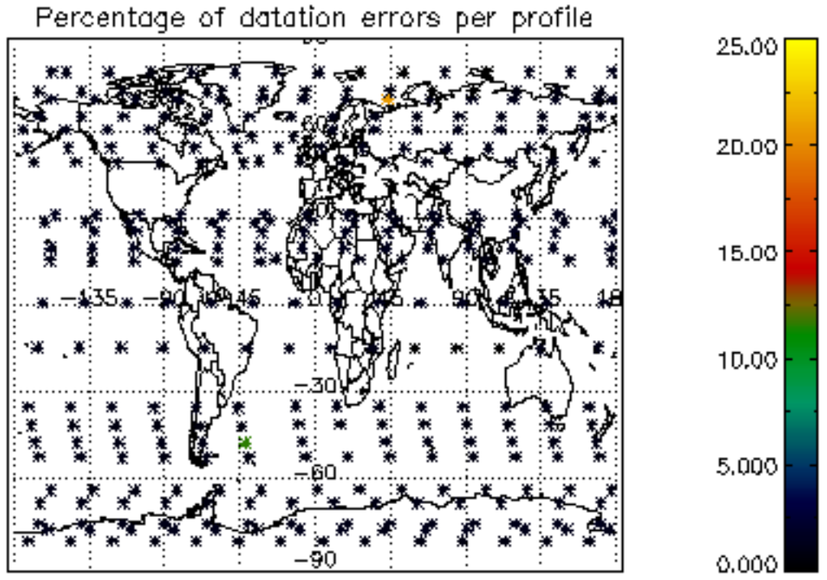

Spectrometer B CCD 1
Dark charge [e]
7400
7200
7000
6800
6600
6400
6200
6000
5800
Upper
Middle
Lower
00:00.00 18/08/2011
04:00.00 18/08/2011
08:00.00 18/08/2011
12:00.00 18/08/2011
16:00.00 18/08/2011
20:00.00 18/08/2011
00:00.00 19/08/2011
Time

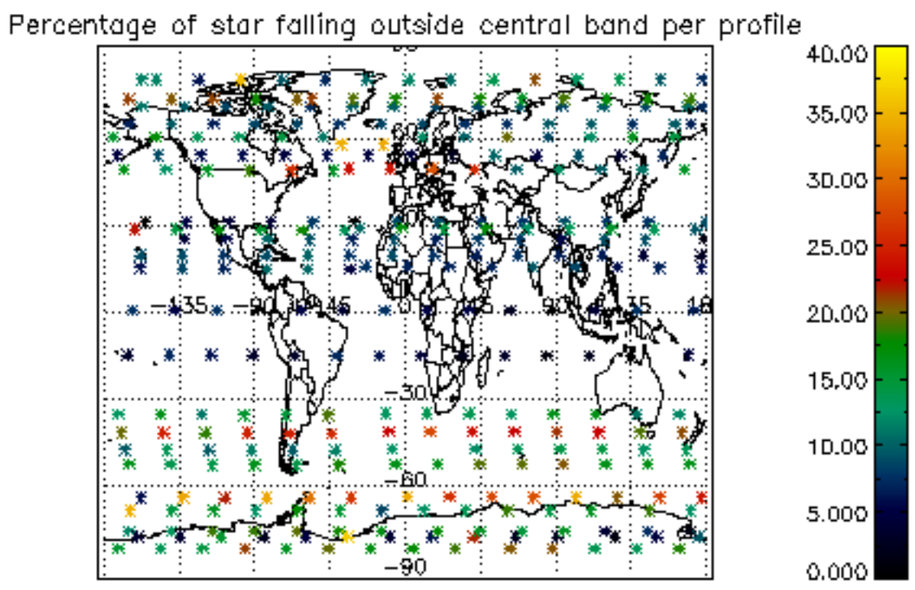

Spectrometer B CCD 2
Dark charge [e]
6800
6600
6400
6200
6000
5800
5600
5400
Upper
Middle
Lower
00:00.00 18/08/2011
04:00.00 18/08/2011
08:00.00 18/08/2011
12:00.00 18/08/2011
16:00.00 18/08/2011
20:00.00 18/08/2011
00:00.00 19/08/2011
Time

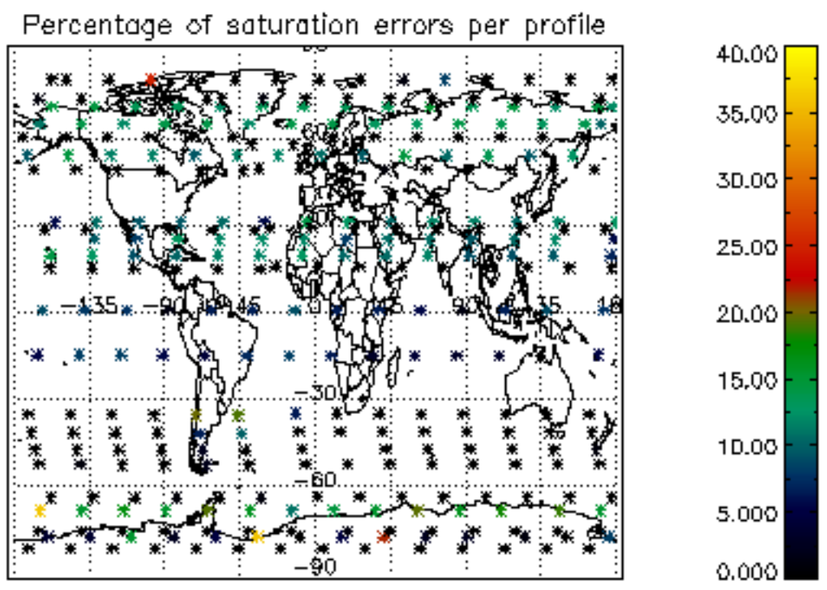

Photometers
Dark charge [e]
3450
3400
3350
3300
3250
3200
3150
3100
FPA
FPB
00:00.00 18/08/2011
04:00.00 18/08/2011
08:00.00 18/08/2011
12:00.00 18/08/2011
16:00.00 18/08/2011
20:00.00 18/08/2011
00:00.00 19/08/2011
Time


with demodul flag set
invalid
with datation errors
with non-converged ray path
containing saturated samples
where cosmic rays have been detected
where star falls outside central band
where problem occurred during full transm
% of measurements per product:
100
80
60
40
20
0
value (%)
00:00.00 18/08/2011
04:00.00 18/08/2011
08:00.00 18/08/2011
12:00.00 18/08/2011
16:00.00 18/08/2011
20:00.00 18/08/2011
00:00.00 19/08/2011
Time

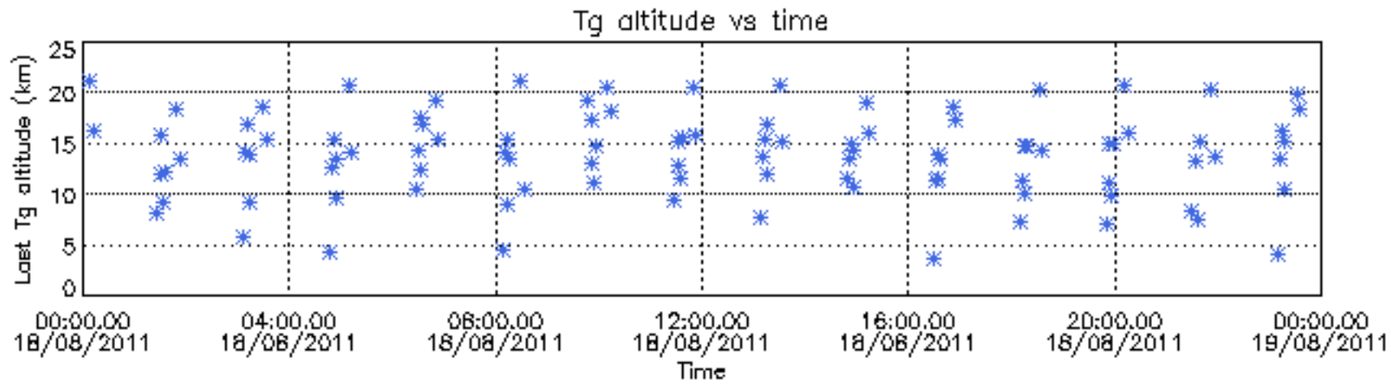

Percentage of cosmic ray hits per profile
100.0
80.00
60.00
40.00
20.00
0.000
−135
−90
−30
−60
−90

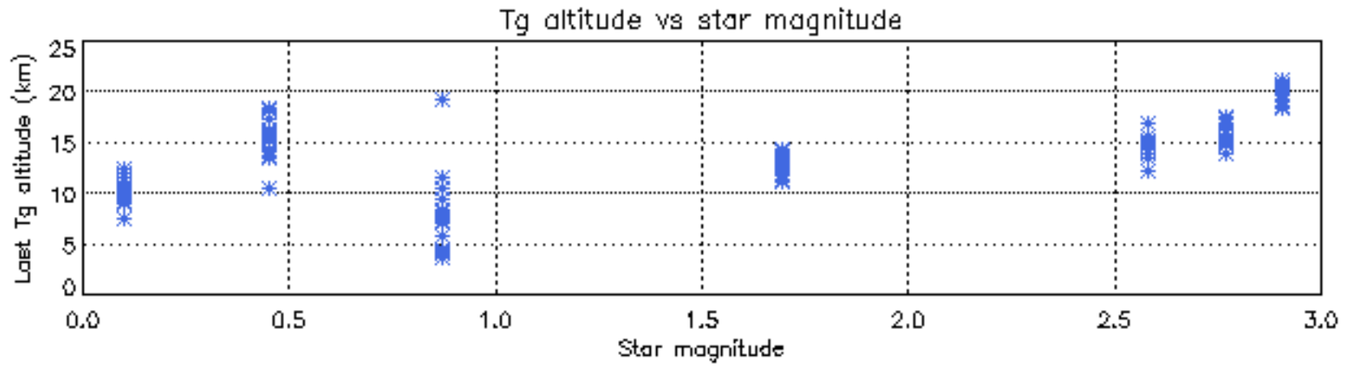

Percentage of datation errors per profile
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−30
−60
−90

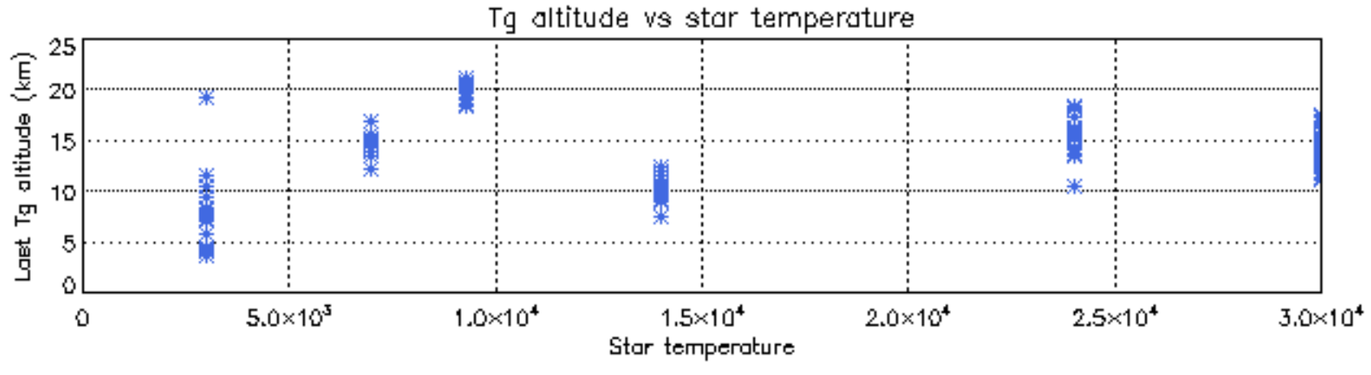

Percentage of star falling outside central band per profile
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−30
−60
−90


Percentage of saturation errors per profile
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−30
−60
−90

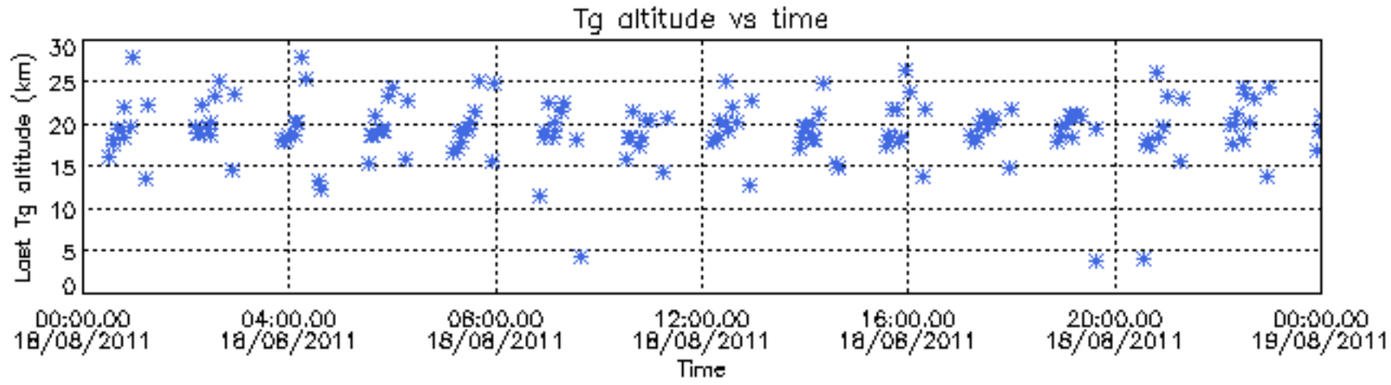
Tangent altitude at which the star is lost

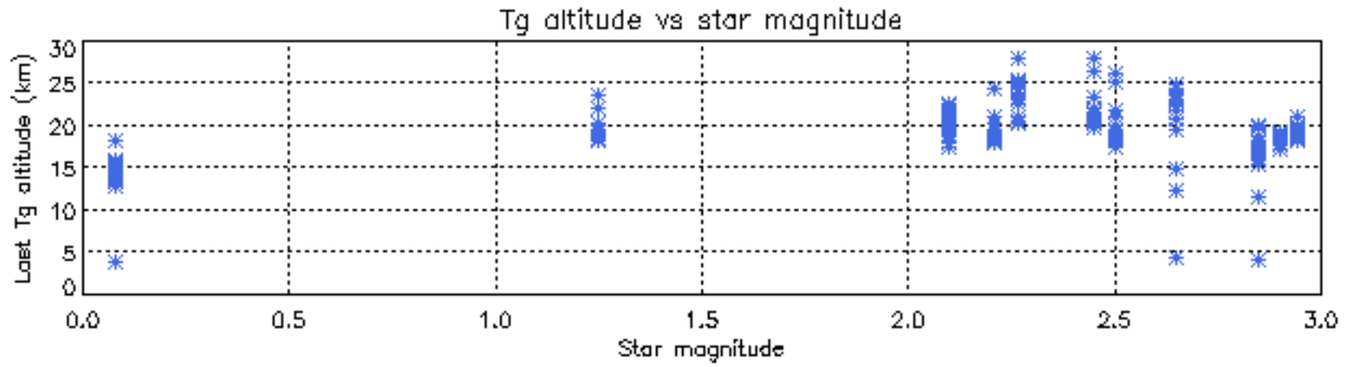


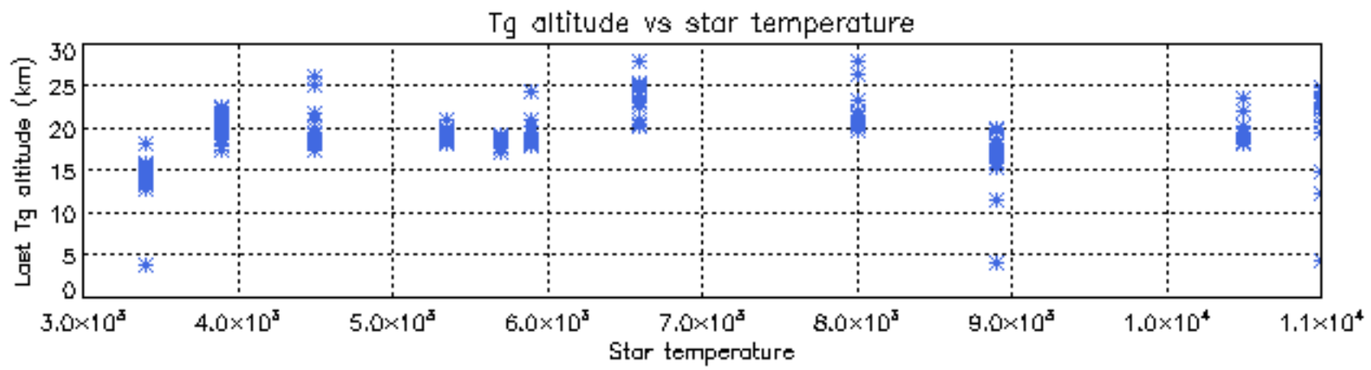


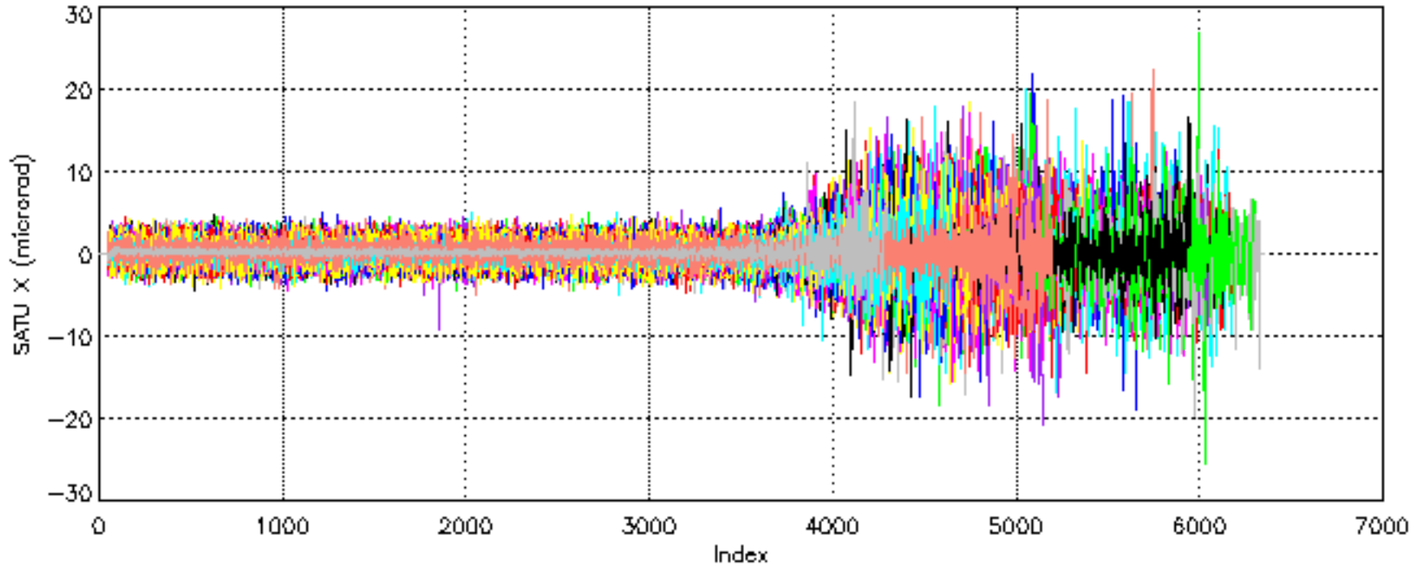


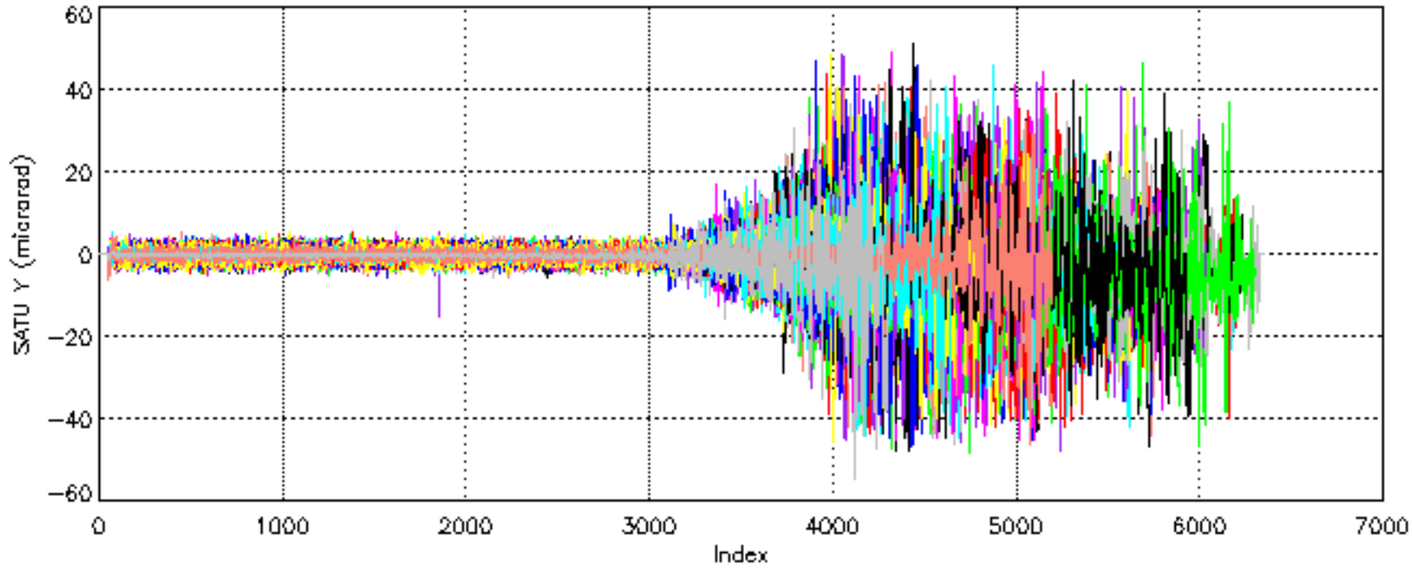
Tangent altitude at which the star is lost

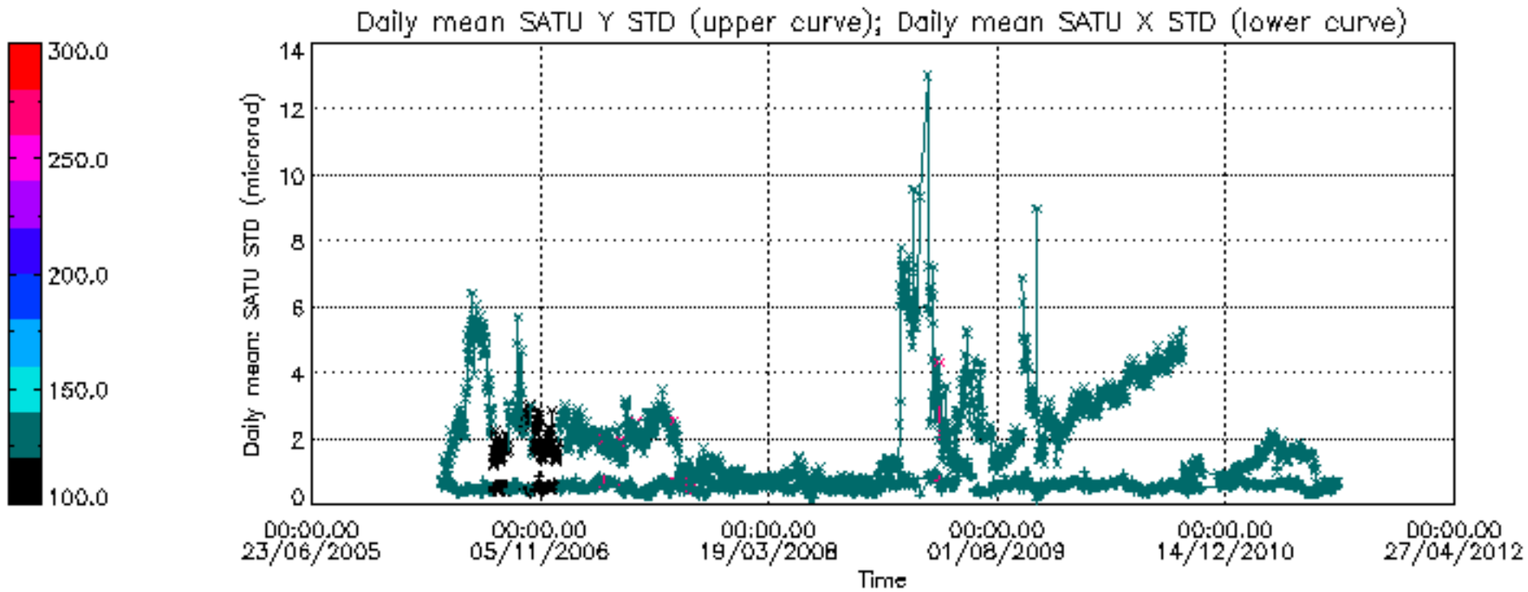


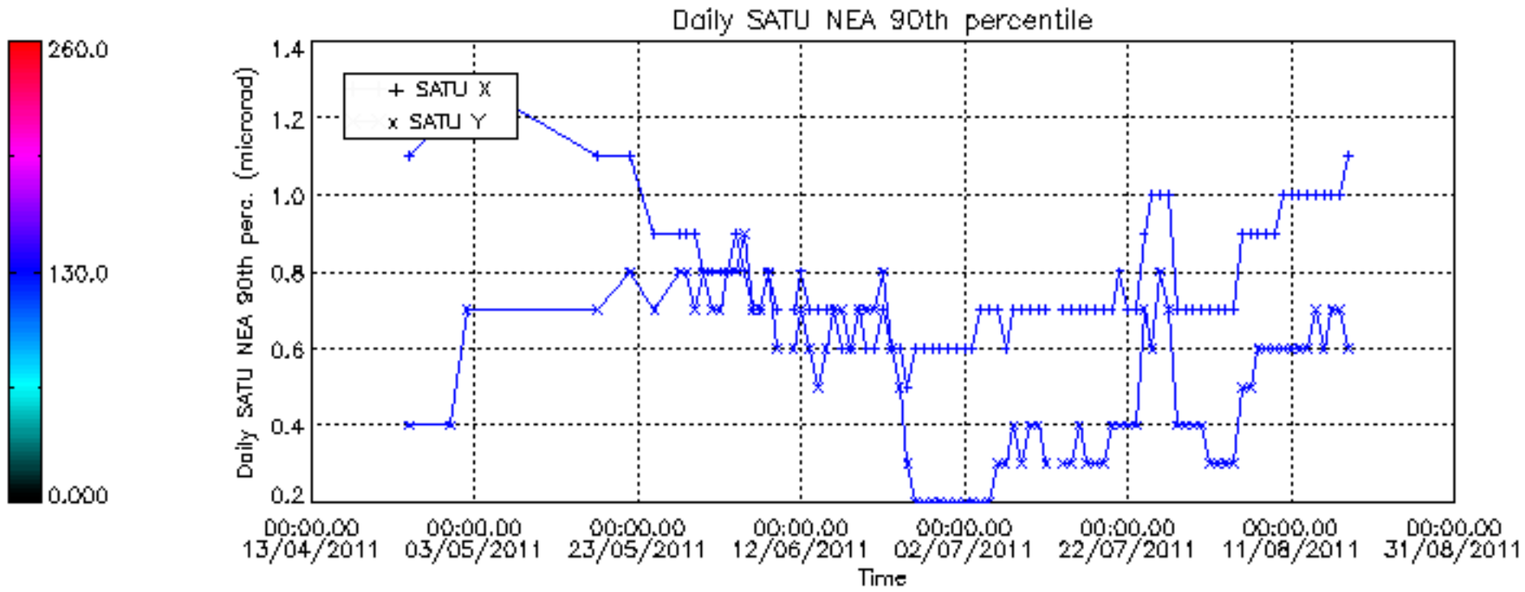





30
20
10
0
−10
−20
−30
SATU X (microrad)
0
1000
2000
3000
4000
5000
6000
7000
Index


60
40
20
0
−20
−40
−60
S4TU Y (microrad)
0
1000
2000
3000
4000
5000
6000
7000
Index


Daily mean SATU Y STD (upper curve); Daily mean SATU X STD (lower curve)
300.0
250.0
200.0
150.0
100.0
Daily mean: SATU STD (microrad)
14
12
10
8
6
4
2
0
00:00.00 23/06/2005
00:00.00 05/11/2006
00:00.00 19/03/2008
00:00.00 01/08/2009
00:00.00 14/12/2010
00:00.00 27/04/2012
Time


260.0
130.0
0.000
Daily SATU NEA 90th percentile
+ SATU X
x SATU Y
Daily SATU NEA 90th perc. (microrad)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
00:00.00 13/04/2011
00:00.00 03/05/2011
00:00.00 23/05/2011
00:00.00 12/06/2011
00:00.00 02/07/2011
00:00.00 22/07/2011
00:00.00 11/08/2011
00:00.00 31/08/2011
Time

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1; 313.1; 01-AUG-2011 10:33:24; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;49261
2; 604.0; 01-AUG-2011 10:38:15; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;49261
3; 920.3; 01-AUG-2011 10:43:31; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;49261
4; 1107.1; 01-AUG-2011 10:46:38; Dark ; 46.0; 172; Gam Gru ; 3.00; 13100;occ; 92; 0;49261
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110801_001705_000057693105_00102_49254_6225.N1
1; -581.9; 01-AUG-2011 00:17:05; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;49254
2; -292.6; 01-AUG-2011 00:21:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49254
3; 308.7; 01-AUG-2011 00:31:56; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;49255
4; 597.5; 01-AUG-2011 00:36:45; Dark ; 63.0; 84; Alp Phe ; 2.40; 4500;occ; 126; 0;49255
5; 917.1; 01-AUG-2011 00:42:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;49255
6; 1104.3; 01-AUG-2011 00:45:11; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;49255
7; 2045.9; 01-AUG-2011 01:00:53; Bright; 38.0; 11; 53Alp Aql ; 0.76; 8000;occ; 76; 0;49255
8; 2557.5; 01-AUG-2011 01:09:25; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;49255
9; 2677.0; 01-AUG-2011 01:11:24; Bright; 35.5; 144; 18Del Cyg ; 2.86; 11000;occ; 71; 0;49255
10; 3068.6; 01-AUG-2011 01:17:56; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;49255
11; 3952.5; 01-AUG-2011 01:32:40; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;49255
12; 4052.6; 01-AUG-2011 01:34:20; Bright; 50.0; 35; 33Alp Per ; 1.79; 6250;occ; 100; 0;49255
13; 4179.7; 01-AUG-2011 01:36:27; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;49255
14; 4291.6; 01-AUG-2011 01:38:19; Bright; 47.5; 149; 45Eps Per ; 2.89; 30000;occ; 95; 0;49255
15; 4494.3; 01-AUG-2011 01:41:41; Dark ; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;49255
16; 4619.4; 01-AUG-2011 01:43:47; Dark ; 40.0; 176; 23Zet Tau ; 3.02; 22000;occ; 80; 0;49255
17; 4770.3; 01-AUG-2011 01:46:17; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;49255
18; 4890.4; 01-AUG-2011 01:48:18; Dark ; 40.0; 27; 24Gam Ori ; 1.64; 26000;occ; 80; 0;49255
19; 5005.2; 01-AUG-2011 01:50:12; Dark ; 39.0; 30; 46Eps Ori ; 1.69; 30000;occ; 78; 0;49255
20; 5154.1; 01-AUG-2011 01:52:41; Dark ; 33.5; 7; 19Bet Ori ; 0.10; 14000;occ; 67; 0;49255
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110801_015241_000039633105_00103_49255_6226.N1
1; -859.9; 01-AUG-2011 01:52:41; Dark ; 44.5; 7; 19Bet Ori ; 0.10; 14000;occ; 89; 0;49255
2; -580.9; 01-AUG-2011 01:57:20; Dark ; 57.0; 165; 34Gam Eri ; 2.95; 3200;occ; 114; 0;49255
3; -291.9; 01-AUG-2011 02:02:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49255
4; -17.0; 01-AUG-2011 02:06:44; Dark ; 45.5; 157; The1Eri ; 2.91; 9300;occ; 91; 0;49255
5; 309.7; 01-AUG-2011 02:12:11; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;49256
6; 598.6; 01-AUG-2011 02:17:00; Dark ; 65.5; 84; Alp Phe ; 2.40; 4500;occ; 131; 0;49256
7; 917.7; 01-AUG-2011 02:22:19; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;49256
8; 1104.6; 01-AUG-2011 02:25:26; Dark ; 46.0; 172; Gam Gru ; 3.00; 13100;occ; 92; 0;49256
9; 2045.8; 01-AUG-2011 02:41:07; Bright; 39.0; 11; 53Alp Aql ; 0.76; 8000;occ; 78; 0;49256
10; 2557.0; 01-AUG-2011 02:49:38; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;49256
11; 2676.8; 01-AUG-2011 02:51:38; Bright; 37.5; 144; 18Del Cyg ; 2.86; 11000;occ; 75; 0;49256
12; 3068.1; 01-AUG-2011 02:58:09; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;49256
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   7; 4179.8; 01-AUG-2011 08:17:23; Bright; 40.0;   6; 13Alp Aur ; 0.08; 3400;occ; 80;   0;49259
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   7; 4179.7; 01-AUG-2011 11:37:51; Bright; 43.0;   6; 13Alp Aur ; 0.08; 3400;occ; 86;   0;49261
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  13; 4997.7; 01-AUG-2011 11:51:29; Dark ; 42.5;   72; 34Del Ori ; 2.25; 30000;occ; 85;   0;49261
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  17; 1118.8; 03-AUG-2011 06:12:53; Dark ; 44.5; 172;   Gam Gru ; 3.00; 13100;occ; 89;   0;49287
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  9; 4514.7; 09-AUG-2011 11:50:13; Dark ; 49.0;   28; 12Bet Tau ; 1.65; 15200;occ; 98;   0;49376
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 21; 6987.9; 09-AUG-2011 12:31:26; Dark ; 42.0;   31;   Alp Gru ; 1.73; 15200;occ; 84;   0;49377
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   9; 1279.4; 22-AUG-2011 01:18:27; Dark ; 52.0;   18; 24Alp PsA ; 1.17; 9700;occ; 104;   0;49557
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   6; 321.8; 22-AUG-2011 02:42:44; Dark ; 54.0; 157;   The1Eri ; 2.91; 9300;occ; 108;   0;49558

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  10; 1279.6; 22-AUG-2011 02:58:42; Dark  ;  51.0;   18; 24Alp PsA  ; 1.17;  9700;occ; 102;   0;49558
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  22; 6885.9; 22-AUG-2011 09:32:50; Dark  ;  50.0;   84;   Alp Phe  ; 2.40;  4500;occ; 100;   0;49562
  23; 7013.1; 22-AUG-2011 09:34:57; Dark  ;  54.0;   63;   Bet Gru  ; 2.15;  2800;occ; 108;   0;49562
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   4;  337.6; 23-AUG-2011 00:26:01; Dark  ;  52.0;  157;   The1Eri  ; 2.91;  9300;occ; 104;   0;49571
   5;  524.1; 23-AUG-2011 00:29:08; Dark  ;  43.0;    9;   Alp Eri  ; 0.45; 24000;occ;  86;   0;49571
   6;  878.2; 23-AUG-2011 00:35:02; Dark  ;  52.0;   84;   Alp Phe  ; 2.40;  4500;occ; 104;   0;49571
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   8; 1284.1; 23-AUG-2011 00:41:48; Dark  ;  52.0;   18; 24Alp PsA  ; 1.17;  9700;occ; 104;   0;49571
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  18; 4157.1; 23-AUG-2011 01:29:41; Bright;  54.5;    6; 13Alp Aur  ; 0.08;  3400;occ; 109;   0;49571
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   7;  524.9; 23-AUG-2011 02:09:23; Dark  ;  42.0;    9;   Alp Eri  ; 0.45; 24000;occ;  84;   0;49572
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  15; 2473.6; 23-AUG-2011 02:41:51; Bright;  38.0;   92; 53Eps Cyg  ; 2.50;  4500;occ;  76;   0;49572
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   9; 2072.3; 23-AUG-2011 22:37:58; Bright;  40.5;   61;  8Eps Peg  ; 2.10;  3900;occ;  81;   0;49584
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  13; 2526.8; 25-AUG-2011 23:12:17; Bright;  46.5;  164; 44Eta Peg  ; 2.95;  5400;occ;  93;   0;49613
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  13; 4353.5; 26-AUG-2011 21:25:46; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89;   0;49626
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  18; 4353.6; 26-AUG-2011 23:06:00; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92;   0;49627
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  22; 4998.3; 26-AUG-2011 23:16:45; Dark ; 67.5;   14; 58Alp Ori ; 0.87; 3000;occ; 135;   0;49627
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  21; 4835.2; 27-AUG-2011 00:54:15; Dark  ;  39.0;  153;  3Bet CMi  ; 2.89; 13100;occ;  78;   0;49628
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  14; 4834.2; 26-AUG-2011 18:13:19; Dark  ;  40.0;  153;  3Bet CMi  ; 2.89; 13100;occ;  80;   0;49624
  15; 4996.5; 26-AUG-2011 18:16:01; Dark  ;  64.0;   14; 58Alp Ori  ; 0.87;  3000;occ; 128;   0;49624
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  13; 5012.3; 28-AUG-2011 08:41:38; Dark  ;  66.0;   14; 58Alp Ori  ; 0.87;  3000;occ; 132;   0;49647
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   3; 1884.8; 28-AUG-2011 11:09:58; Bright;  42.0;  162; 34Alp Aqr  ; 2.94;  5350;occ;  84;   0;49649
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   9; 4355.0; 31-AUG-2011 08:20:41; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96;   0;49690
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   4; 2483.7; 31-AUG-2011 11:09:58; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87;   0;49692
   5; 3121.8; 31-AUG-2011 11:20:36; Bright; 44.5;   74; 11Bet Cas ; 2.27; 6600;occ; 89;   0;49692
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  10; 4771.0; 31-AUG-2011 13:28:19; Dark  ;  52.0;   44; 24Gam Gem  ; 1.93; 11000;occ; 104;   0;49693
  11; 5047.8; 31-AUG-2011 13:32:56; Dark  ;  65.5;   14; 58Alp Ori  ; 0.87;  3000;occ; 131;   0;49693
  12; 5353.4; 31-AUG-2011 13:38:01; Dark  ;  51.5;    1;  9Alp CMa  ;-1.44; 11000;occ; 103;   0;49693
  13; 5603.0; 31-AUG-2011 13:42:11; Dark  ;  57.5;  101; 11Alp Lep  ; 2.58;  7000;occ; 115;   0;49693
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  18; 6972.2; 31-AUG-2011 15:45:14; Dark  ;  45.5;   84;   Alp Phe  ; 2.40;  4500;occ;  91;   0;49695
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   3; 2062.3; 31-AUG-2011 16:03:38; Bright;  40.5;   61;  8Eps Peg  ; 2.10;  3900;occ;  81;   0;49695
   4; 2231.2; 31-AUG-2011 16:06:27; Bright;  47.0;   90; 54Alp Peg  ; 2.49; 11000;occ;  94;   0;49695
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   6; 3120.0; 31-AUG-2011 16:21:16; Bright;  43.0;   74; 11Bet Cas  ; 2.27;  6600;occ;  86;   0;49695
   7; 3246.7; 31-AUG-2011 16:23:23; Bright;  47.0;   76; 27Gam Cas  ; 2.30; 30000;occ;  94;   0;49695
   8; 4130.3; 31-AUG-2011 16:38:06; Bright;  50.0;    6; 13Alp Aur  ; 0.08;  3400;occ; 100;   0;49695
   9; 4355.0; 31-AUG-2011 16:41:51; Bright;  46.5;  107; 37The Aur  ; 2.65; 11000;occ;  93;   0;49695
  10; 4494.2; 31-AUG-2011 16:44:10; Bright;  38.0;   17; 78Bet Gem  ; 1.16;  4500;occ;  76;   0;49695
  11; 4665.4; 31-AUG-2011 16:47:01; Dark  ;  57.5;  151; 13Mu  Gem  ; 2.89;  3000;occ; 115;   0;49695
  12; 4771.7; 31-AUG-2011 16:48:48; Dark  ;  52.0;   44; 24Gam Gem  ; 1.93; 11000;occ; 104;   0;49695
  13; 5049.4; 31-AUG-2011 16:53:25; Dark  ;  67.5;   14; 58Alp Ori  ; 0.87;  3000;occ; 135;   0;49695
  14; 5354.6; 31-AUG-2011 16:58:31; Dark  ;  54.5;    1;  9Alp CMa  ;-1.44; 11000;occ; 109;   0;49695
  15; 5605.5; 31-AUG-2011 17:02:41; Dark  ;  56.5;  101; 11Alp Lep  ; 2.58;  7000;occ; 113;   0;49695
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  17; 6504.3; 31-AUG-2011 17:17:40; Dark  ;  55.5;  157;   The1Eri  ; 2.91;  9300;occ; 111;   0;49696
  18; 6616.8; 31-AUG-2011 17:19:33; Dark  ;  45.0;    9;   Alp Eri  ; 0.45; 24000;occ;  90;   0;49696
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   3; 2062.3; 31-AUG-2011 17:43:52; Bright;  39.5;   61;  8Eps Peg  ; 2.10;  3900;occ;  79;   0;49696
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   6; 3119.3; 31-AUG-2011 18:01:29; Bright;  45.0;   74; 11Bet Cas  ; 2.27;  6600;occ;  90;   0;49696
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  10; 4494.4; 31-AUG-2011 18:24:24; Bright;  37.0;   17; 78Bet Gem  ; 1.16;  4500;occ;  74;   0;49696
  11; 4665.7; 31-AUG-2011 18:27:16; Dark  ;  57.0;  151; 13Mu  Gem  ; 2.89;  3000;occ; 114;   0;49696
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  13; 5606.7; 31-AUG-2011 18:42:57; Dark  ;  53.5;  101; 11Alp Lep  ; 2.58;  7000;occ; 107;   0;49696
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   3; 1883.2; 31-AUG-2011 19:21:07; Bright;  40.5;  162; 34Alp Aqr  ; 2.94;  5350;occ;  81;   0;49697
   4; 2062.2; 31-AUG-2011 19:24:06; Bright;  39.5;   61;  8Eps Peg  ; 2.10;  3900;occ;  79;   0;49697
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