GOMOS Daily Report 21-MAR-2010

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.

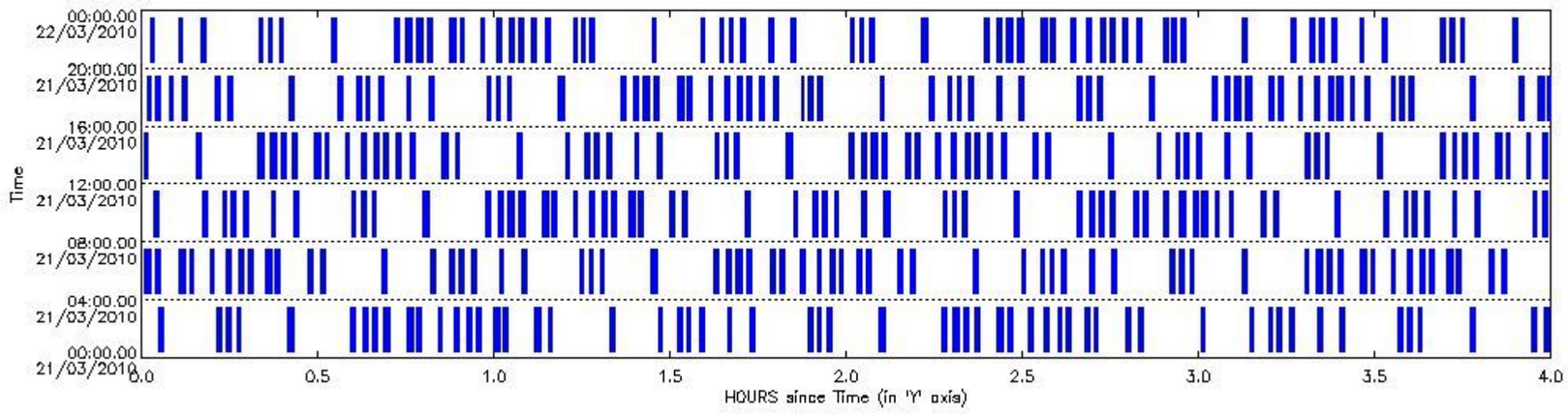
Item	Value
Time of report generation	24MAR2010 04:53:57
Data source version	GOMOS/5.00L04
Start time of products	21MAR2010 00:02:55
Stop time of products	21MAR2010 23:53:25
Store outputs in DB	Yes
Nb of level 1b prods	138
Nb of prods with errors	1

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)

No missing products.

2.4 Summary of processed GOM_TRA_1P products

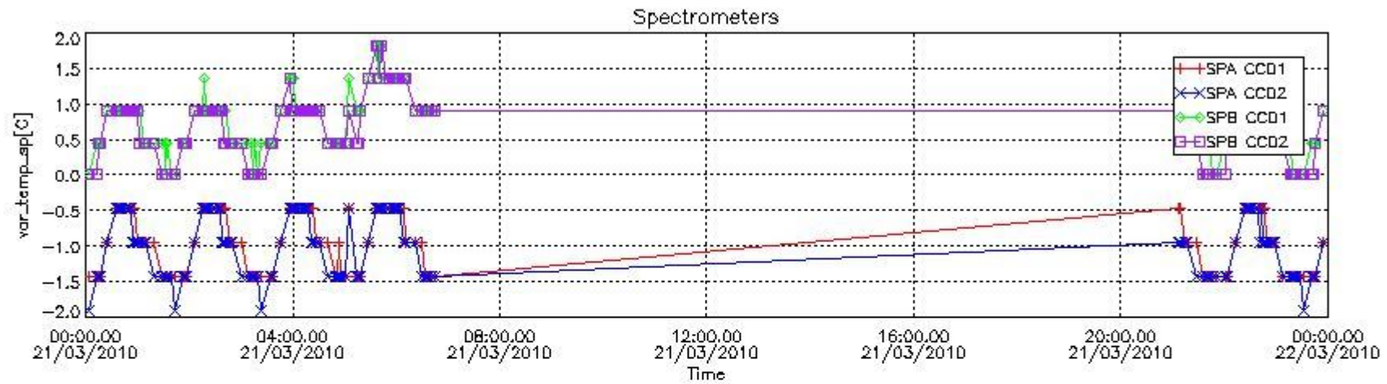
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100321_000255_000000502087_00474_42111_7891.N1	21-MAR-2010 00:02:55	Bright	50.000	119	14Eta Dra	2.7270	4700.0	100	42111	No
2	GOM_TRA_1PNPDE20100321_001249_000000382087_00474_42111_7892.N1	21-MAR-2010 00:12:49	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	42111	No
3	GOM_TRA_1PNPDE20100321_001424_000000382087_00474_42111_7893.N1	21-MAR-2010 00:14:24	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	42111	No
4	GOM_TRA_1PNPDE20100321_001612_000000372087_00474_42111_7894.N1	21-MAR-2010 00:16:12	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	42111	No
5	GOM_TRA_1PNPDE20100321_002454_000000512087_00474_42111_7895.N1	21-MAR-2010 00:24:54	Twi_and_stray	50.500	11	53Alp Aql	0.76500	8000.0	101	42111	No
6	GOM_TRA_1PNPDE20100321_003532_000000472087_00474_42111_7896.N1	21-MAR-2010 00:35:32	Dark	47.000	155	41Pi Sgr	2.9000	6600.0	94	42111	No
7	GOM_TRA_1PNPDE20100321_003738_000000472087_00474_42111_7897.N1	21-MAR-2010 00:37:38	Dark	47.000	57	34Sig Sgr	2.0660	26000.	94	42111	No
8	GOM_TRA_1PNPDE20100321_003916_000000552087_00474_42111_7898.N1	21-MAR-2010 00:39:16	Dark	54.500	137	22Lam Sgr	2.8240	4400.0	109	42111	No
9	GOM_TRA_1PNPDE20100321_004111_000000592087_00474_42111_7899.N1	21-MAR-2010 00:41:11	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	42111	No
10	GOM_TRA_1PNPDE20100321_004650_000000412087_00475_42112_7900.N1	21-MAR-2010 00:46:50	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	42112	No
11	GOM_TRA_1PNPDE20100321_005023_000000402087_00475_42112_7901.N1	21-MAR-2010 00:50:23	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	42112	No
12	GOM_TRA_1PNPDE20100321_005307_000000562087_00475_42112_7902.N1	21-MAR-2010 00:53:07	Dark	56.000	4	Alp1Cen	-0.010000	5800.0	112	42112	No

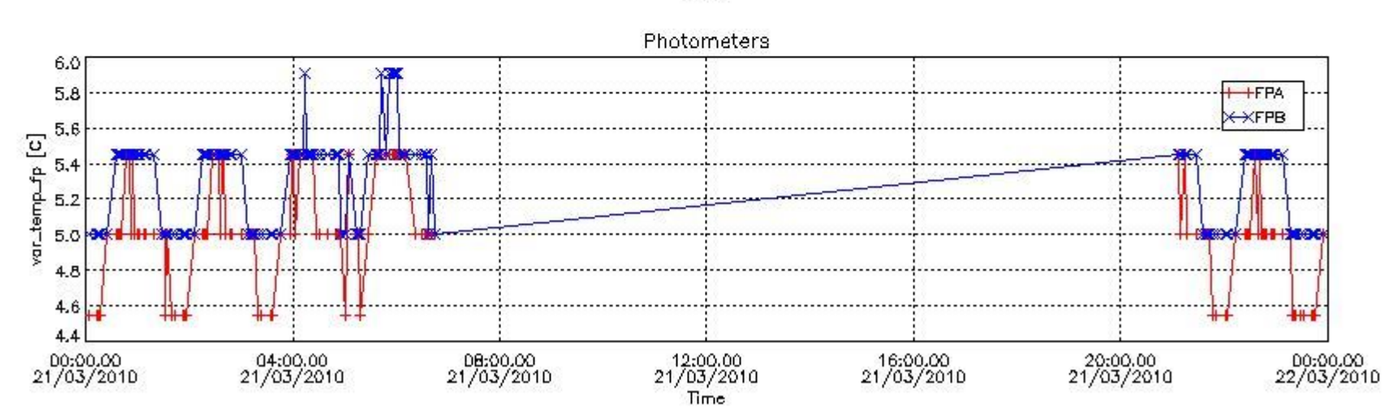
13	GOM_TRA_1PNPDE20100321_005520_000000482087_00475_42112_7903.N1	21-MAR-2010 00:55:20	Dark	48.000	78	Alp Lup	2.3040	28000.	96	42112	No
14	GOM_TRA_1PNPDE20100321_005652_000000502087_00475_42112_7904.N1	21-MAR-2010 00:56:52	Straylight	49.500	81	Eta Cen	2.3560	28000.	99	42112	No
15	GOM_TRA_1PNPDE20100321_005953_000000612087_00475_42112_7905.N1	21-MAR-2010 00:59:53	Straylight	60.500	54	5The Cen	2.0550	4500.0	121	42112	No
16	GOM_TRA_1PNPDE20100321_010129_000000492087_00475_42112_7906.N1	21-MAR-2010 01:01:29	Straylight	48.500	123	Iot Cen	2.7500	10200.	97	42112	No
17	GOM_TRA_1PNPDE20100321_010657_000000522087_00475_42112_7907.N1	21-MAR-2010 01:06:57	Straylight	52.000	106	9Bet Crv	2.6480	5600.0	104	42112	No
18	GOM_TRA_1PNPDE20100321_010908_000000462087_00475_42112_7908.N1	21-MAR-2010 01:09:08	Twi_and_stray	46.000	100	4Gam Crv	2.5800	13100.	92	42112	No
19	GOM_TRA_1PNPDE20100321_011946_000000432087_00475_42112_7909.N1	21-MAR-2010 01:19:46	Bright	43.000	62	94Bet Leo	2.1360	9700.0	86	42112	No
20	GOM_TRA_1PNPDE20100321_012804_000000382087_00475_42112_7910.N1	21-MAR-2010 01:28:04	Bright	38.000	174	52Psi UMa	3.0040	4400.0	76	42112	No
21	GOM_TRA_1PNPDE20100321_013119_000000372087_00475_42112_7911.N1	21-MAR-2010 01:31:19	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	42112	No
22	GOM_TRA_1PNPDE20100321_013249_000000392087_00475_42112_7912.N1	21-MAR-2010 01:32:49	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	42112	No
23	GOM_TRA_1PNPDE20100321_013458_000000472087_00475_42112_7913.N1	21-MAR-2010 01:34:58	Bright	46.500	55	79Zet UMa	2.0600	10200.	93	42112	No
24	GOM_TRA_1PNPDE20100321_013944_000000372087_00475_42112_7914.N1	21-MAR-2010 01:39:44	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	42112	No
25	GOM_TRA_1PNPDE20100321_014331_000000512087_00475_42112_7915.N1	21-MAR-2010 01:43:31	Bright	50.500	119	14Eta Dra	2.7270	4700.0	101	42112	No
26	GOM_TRA_1PNPDE20100321_015325_000000552087_00475_42112_7916.N1	21-MAR-2010 01:53:25	Bright	55.000	19	50Alp Cyg	1.2460	10500.	110	42112	No
27	GOM_TRA_1PNPDE20100321_015500_000000412087_00475_42112_7917.N1	21-MAR-2010 01:55:00	Bright	40.500	66	37Gam Cyg	2.2080	5900.0	81	42112	No
28	GOM_TRA_1PNPDE20100321_015647_000000392087_00475_42112_7918.N1	21-MAR-2010 01:56:47	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	42112	No
29	GOM_TRA_1PNPDE20100321_020531_000000582087_00475_42112_7919.N1	21-MAR-2010 02:05:31	Twi_and_stray	58.000	11	53Alp Aql	0.76500	8000.0	116	42112	No
30	GOM_TRA_1PNPDE20100321_021609_000000472087_00475_42112_7915.N1	21-MAR-2010 02:16:09	Dark	47.000	155	41Pi Sgr	2.9000	6600.0	94	42112	No
31	GOM_TRA_1PNPDE20100321_021815_000000542087_00475_42112_7916.N1	21-MAR-2010 02:18:15	Dark	53.500	57	34Sig Sgr	2.0660	26000.	107	42112	No
32	GOM_TRA_1PNPDE20100321_021953_000000552087_00475_42112_7917.N1	21-MAR-2010 02:19:53	Dark	54.500	137	22Lam Sgr	2.8240	4400.0	109	42112	No
33	GOM_TRA_1PNPDE20100321_022148_000000542087_00475_42112_7918.N1	21-MAR-2010 02:21:48	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	42112	No
34	GOM_TRA_1PNPDE20100321_022727_000000442087_00476_42113_7919.N1	21-MAR-2010 02:27:27	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	42113	No
35	GOM_TRA_1PNPDE20100321_023100_000000402087_00476_42113_7920.N1	21-MAR-2010 02:31:00	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	42113	No
36	GOM_TRA_1PNPDE20100321_023343_000000442087_00476_42113_7921.N1	21-MAR-2010 02:33:43	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	42113	No
37	GOM_TRA_1PNPDE20100321_023557_000000472087_00476_42113_7922.N1	21-MAR-2010 02:35:57	Dark	47.000	78	Alp Lup	2.3040	28000.	94	42113	No
38	GOM_TRA_1PNPDE20100321_023728_000000522087_00476_42113_7923.N1	21-MAR-2010 02:37:28	Straylight	52.000	81	Eta Cen	2.3560	28000.	104	42113	No
39	GOM_TRA_1PNPDE20100321_024030_000000592087_00476_42113_7924.N1	21-MAR-2010 02:40:30	Straylight	58.500	54	5The Cen	2.0550	4500.0	117	42113	No
40	GOM_TRA_1PNPDE20100321_024206_000000492087_00476_42113_7925.N1	21-MAR-2010 02:42:06	Straylight	48.500	123	Iot Cen	2.7500	10200.	97	42113	No
41	GOM_TRA_1PNPDE20100321_024733_000000522087_00476_42113_7926.N1	21-MAR-2010 02:47:33	Straylight	52.000	106	9Bet Crv	2.6480	5600.0	104	42113	No
42	GOM_TRA_1PNPDE20100321_024945_000000482087_00476_42113_7927.N1	21-MAR-2010 02:49:45	Twi_and_stray	48.000	100	4Gam Crv	2.5800	13100.	96	42113	No
43	GOM_TRA_1PNPDE20100321_030021_000000462087_00476_42113_7928.N1	21-MAR-2010 03:00:21	Bright	46.000	62	94Bet Leo	2.1360	9700.0	92	42113	No
44	GOM_TRA_1PNPDE20100321_030839_000000372087_00476_42113_7929.N1	21-MAR-2010 03:08:39	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	42113	No
45	GOM_TRA_1PNPDE20100321_031154_000000372087_00476_42113_7930.N1	21-MAR-2010 03:11:54	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	42113	No
46	GOM_TRA_1PNPDE20100321_031325_000000402087_00476_42113_7931.N1	21-MAR-2010 03:13:25	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	42113	No
47	GOM_TRA_1PNPDE20100321_031533_000000462087_00476_42113_7932.N1	21-MAR-2010 03:15:33	Bright	46.000	55	79Zet UMa	2.0600	10200.	92	42113	No
48	GOM_TRA_1PNPDE20100321_032020_000000402087_00476_42113_7933.N1	21-MAR-2010 03:20:20	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42113	No
49	GOM_TRA_1PNPDE20100321_032406_000000502087_00476_42113_7943.N1	21-MAR-2010 03:24:06	Bright	49.500	119	14Eta Dra	2.7270	4700.0	99	42113	No
50	GOM_TRA_1PNPDE20100321_033401_000000382087_00476_42113_7944.N1	21-MAR-2010 03:34:01	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	42113	No
51	GOM_TRA_1PNPDE20100321_033536_000000422087_00476_42113_7945.N1	21-MAR-2010 03:35:36	Bright	41.500	66	37Gam Cyg	2.2080	5900.0	83	42113	No
52	GOM_TRA_1PNPDE20100321_033724_000000402087_00476_42113_7946.N1	21-MAR-2010 03:37:24	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	42113	No
53	GOM_TRA_1PNPDE20100321_034607_000000562087_00476_42113_7947.N1	21-MAR-2010 03:46:07	Twi_and_stray	56.000	11	53Alp Aql	0.76500	8000.0	112	42113	No
54	GOM_TRA_1PNPDE20100321_035646_000000482087_00476_42113_7948.N1	21-MAR-2010 03:56:46	Dark	48.000	155	41Pi Sgr	2.9000	6600.0	96	42113	No
55	GOM_TRA_1PNPDE20100321_035852_000000482087_00476_42113_7949.N1	21-MAR-2010 03:58:52	Dark	48.000	57	34Sig Sgr	2.0660	26000.	96	42113	No
56	GOM_TRA_1PNPDE20100321_040031_000000522087_00476_42113_7950.N1	21-MAR-2010 04:00:31	Dark	52.000	137	22Lam Sgr	2.8240	4400.0	104	42113	No
57	GOM_TRA_1PNPDE20100321_040225_000000492087_00476_42113_7951.N1	21-MAR-2010 04:02:25	Dark	48.500	38	20Eps Sgr	1.8360	11000.	97	42113	No
58	GOM_TRA_1PNPDE20100321_040804_000000442087_00477_42114_7952.N1	21-MAR-2010 04:08:04	Dark	43.500	141	Bet Ara	2.8400	4600.0	87	42114	No
59	GOM_TRA_1PNPDE20100321_041136_000000382087_00477_42114_7953.N1	21-MAR-2010 04:11:36	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	42114	No
60	GOM_TRA_1PNPDE20100321_041420_000000442087_00477_42114_7954.N1	21-MAR-2010 04:14:20	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	42114	No
61	GOM_TRA_1PNPDE20100321_041634_000000472087_00477_42114_7955.N1	21-MAR-2010 04:16:34	Dark	46.500	78	Alp Lup	2.3040	28000.	93	42114	No
62	GOM_TRA_1PNPDE20100321_041805_000000492087_00477_42114_7956.N1	21-MAR-2010 04:18:05	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	42114	No
63	GOM_TRA_1PNPDE20100321_042106_000000592087_00477_42114_7957.N1	21-MAR-2010 04:21:06	Straylight	58.500	54	5The Cen	2.0550	4500.0	117	42114	No
64	GOM_TRA_1PNPDE20100321_042242_000000482087_00477_42114_7958.N1	21-MAR-2010 04:22:42	Straylight	48.000	123	Iot Cen	2.7500	10200.	96	42114	No
65	GOM_TRA_1PNPDE20100321_042809_000000532087_00477_42114_7959.N1	21-MAR-2010 04:28:09	Straylight	53.000	106	9Bet Crv	2.6480	5600.0	106	42114	No
66	GOM_TRA_1PNPDE20100321_043021_000000472087_00477_42114_7960.N1	21-MAR-2010 04:30:21	Twi_and_stray	46.500	100	4Gam Crv	2.5800	13100.	93	42114	No
67	GOM_TRA_1PNPDE20100321_044057_000000452087_00477_42114_7961.N1	21-MAR-2010 04:40:57	Bright	44.500	62	94Bet Leo	2.1360	9700.0	89	42114	No
68	GOM_TRA_1PNPDE20100321_044915_000000382087_00477_42114_7962.N1	21-MAR-2010 04:49:15	Bright	38.000	174	52Psi UMa	3.0040	4400.0	76	42114	No
69	GOM_TRA_1PNPDE20100321_045230_000000382087_00477_42114_7963.N1	21-MAR-2010 04:52:30	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	42114	No
70	GOM_TRA_1PNPDE20100321_045401_000000402087_00477_42114_7964.N1	21-MAR-2010 04:54:01	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	42114	No
71	GOM_TRA_1PNPDE20100321_045608_000000472087_00477_42114_7965.N1	21-MAR-2010 04:56:08	Bright	46.500	55	79Zet UMa	2.0600	10200.	93	42114	No

72	GOM_TRA_1PNPDE20100321_050056_000000382087_00477_42114_7966.N1	21-MAR-2010 05:00:56	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	42114	No
73	GOM_TRA_1PNPDE20100321_050442_000000502087_00477_42114_7963.N1	21-MAR-2010 05:04:42	Bright	50.000	119	14Eta Dra	2.7270	4700.0	100	42114	Yes
74	GOM_TRA_1PNPDE20100321_051437_000000402087_00477_42114_7964.N1	21-MAR-2010 05:14:37	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	42114	No
75	GOM_TRA_1PNPDE20100321_051613_000000382087_00477_42114_7965.N1	21-MAR-2010 05:16:13	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	42114	No
76	GOM_TRA_1PNPDE20100321_051800_000000362087_00477_42114_7966.N1	21-MAR-2010 05:18:00	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	42114	No
77	GOM_TRA_1PNPDE20100321_052644_000000552087_00477_42114_7967.N1	21-MAR-2010 05:26:44	Twi_and_stray	54.500	11	53Alp Aql	0.76500	8000.0	109	42114	No
78	GOM_TRA_1PNPDE20100321_053722_000000522087_00477_42114_7968.N1	21-MAR-2010 05:37:22	Dark	52.000	155	41Pi Sgr	2.9000	6600.0	104	42114	No
79	GOM_TRA_1PNPDE20100321_053929_000000482087_00477_42114_7969.N1	21-MAR-2010 05:39:29	Dark	47.500	57	34Sig Sgr	2.0660	26000.	95	42114	No
80	GOM_TRA_1PNPDE20100321_054108_000000612087_00477_42114_7970.N1	21-MAR-2010 05:41:08	Dark	61.000	137	22Lam Sgr	2.8240	4400.0	122	42114	No
81	GOM_TRA_1PNPDE20100321_054302_000000502087_00477_42114_7971.N1	21-MAR-2010 05:43:02	Dark	49.500	38	20Eps Sgr	1.8360	11000.	99	42114	No
82	GOM_TRA_1PNPDE20100321_054840_000000422087_00478_42115_7972.N1	21-MAR-2010 05:48:40	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	42115	No
83	GOM_TRA_1PNPDE20100321_055213_000000402087_00478_42115_7973.N1	21-MAR-2010 05:52:13	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	42115	No
84	GOM_TRA_1PNPDE20100321_055457_000000452087_00478_42115_7974.N1	21-MAR-2010 05:54:57	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	42115	No
85	GOM_TRA_1PNPDE20100321_055711_000000452087_00478_42115_7975.N1	21-MAR-2010 05:57:11	Dark	44.500	78	Alp Lup	2.3040	28000.	89	42115	No
86	GOM_TRA_1PNPDE20100321_055842_000000482087_00478_42115_7976.N1	21-MAR-2010 05:58:42	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42115	No
87	GOM_TRA_1PNPDE20100321_060143_000000572087_00478_42115_7977.N1	21-MAR-2010 06:01:43	Straylight	56.500	54	5The Cen	2.0550	4500.0	113	42115	No
88	GOM_TRA_1PNPDE20100321_060319_000000472087_00478_42115_7978.N1	21-MAR-2010 06:03:19	Straylight	47.000	123	Iot Cen	2.7500	10200.	94	42115	No
89	GOM_TRA_1PNPDE20100321_060846_000000492087_00478_42115_7979.N1	21-MAR-2010 06:08:46	Straylight	49.000	106	9Bet Crv	2.6480	5600.0	98	42115	No
90	GOM_TRA_1PNPDE20100321_061057_000000472087_00478_42115_7980.N1	21-MAR-2010 06:10:57	Twi_and_stray	46.500	100	4Gam Crv	2.5800	13100.	93	42115	No
91	GOM_TRA_1PNPDE20100321_062133_000000452087_00478_42115_7981.N1	21-MAR-2010 06:21:33	Bright	45.000	62	94Bet Leo	2.1360	9700.0	90	42115	No
92	GOM_TRA_1PNPDE20100321_062951_000000402087_00478_42115_7982.N1	21-MAR-2010 06:29:51	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	42115	No
93	GOM_TRA_1PNPDE20100321_063306_000000362087_00478_42115_7983.N1	21-MAR-2010 06:33:06	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	42115	No
94	GOM_TRA_1PNPDE20100321_063437_000000362087_00478_42115_7984.N1	21-MAR-2010 06:34:37	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	42115	No
95	GOM_TRA_1PNPDE20100321_063644_000000462087_00478_42115_7985.N1	21-MAR-2010 06:36:44	Bright	46.000	55	79Zet UMa	2.0600	10200.	92	42115	No
96	GOM_TRA_1PNPDE20100321_064131_000000402087_00478_42115_7986.N1	21-MAR-2010 06:41:31	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42115	No
97	GOM_TRA_1PNPDE20100321_064517_000000452087_00478_42115_7987.N1	21-MAR-2010 06:45:17	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42115	No
98	GOM_TRA_1PNPDE20100321_210625_000000442087_00487_42124_8112.N1	21-MAR-2010 21:06:25	Straylight	43.500	64	Gam Cen	2.2000	10600.	87	42124	No
99	GOM_TRA_1PNPDE20100321_210846_000000492087_00487_42124_8113.N1	21-MAR-2010 21:08:46	Straylight	48.500	123	Iot Cen	2.7500	10200.	97	42124	No
100	GOM_TRA_1PNPDE20100321_211333_000000332087_00487_42124_8114.N1	21-MAR-2010 21:13:33	Straylight	33.000	169	46Gam Hya	2.9910	4700.0	66	42124	No
101	GOM_TRA_1PNPDE20100321_211446_000000472087_00487_42124_8115.N1	21-MAR-2010 21:14:46	Straylight	46.500	171	2Eps Crv	3.0010	4250.0	93	42124	No
102	GOM_TRA_1PNPDE20100321_211621_000000492087_00487_42124_8116.N1	21-MAR-2010 21:16:21	Twi_and_stray	49.000	100	4Gam Crv	2.5800	13100.	98	42124	No
103	GOM_TRA_1PNPDE20100321_212653_000000442087_00487_42124_8117.N1	21-MAR-2010 21:26:53	Bright	43.500	62	94Bet Leo	2.1360	9700.0	87	42124	No
104	GOM_TRA_1PNPDE20100321_213512_000000412087_00487_42124_8118.N1	21-MAR-2010 21:35:12	Bright	40.500	174	52Psi UMa	3.0040	4400.0	81	42124	No
105	GOM_TRA_1PNPDE20100321_213828_000000372087_00487_42124_8119.N1	21-MAR-2010 21:38:28	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	42124	No
106	GOM_TRA_1PNPDE20100321_213959_000000412087_00487_42124_8120.N1	21-MAR-2010 21:39:59	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	42124	No
107	GOM_TRA_1PNPDE20100321_214200_000000472087_00487_42124_8121.N1	21-MAR-2010 21:42:00	Bright	46.500	55	79Zet UMa	2.0600	10200.	93	42124	No
108	GOM_TRA_1PNPDE20100321_214651_000000432087_00487_42124_8122.N1	21-MAR-2010 21:46:51	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	42124	No
109	GOM_TRA_1PNPDE20100321_215034_000000472087_00487_42124_8123.N1	21-MAR-2010 21:50:34	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	42124	No
110	GOM_TRA_1PNPDE20100321_220037_000000382087_00487_42124_8124.N1	21-MAR-2010 22:00:37	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	42124	No
111	GOM_TRA_1PNPDE20100321_220212_000000402087_00487_42124_8125.N1	21-MAR-2010 22:02:12	Bright	40.000	66	37Gam Cyg	2.2080	5900.0	80	42124	No
112	GOM_TRA_1PNPDE20100321_220400_000000392087_00487_42124_8126.N1	21-MAR-2010 22:04:00	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	42124	No
113	GOM_TRA_1PNPDE20100321_221248_000000572087_00487_42124_8127.N1	21-MAR-2010 22:12:48	Twi_and_stray	56.500	11	53Alp Aql	0.76500	8000.0	113	42124	No
114	GOM_TRA_1PNPDE20100321_222331_000000492087_00487_42124_8134.N1	21-MAR-2010 22:23:31	Dark	48.500	155	41Pi Sgr	2.9000	6600.0	97	42124	No
115	GOM_TRA_1PNPDE20100321_222538_000000542087_00487_42124_8135.N1	21-MAR-2010 22:25:38	Dark	53.500	57	34Sig Sgr	2.0660	26000.	107	42124	No
116	GOM_TRA_1PNPDE20100321_222720_000000562087_00487_42124_8136.N1	21-MAR-2010 22:27:20	Dark	56.000	137	22Lam Sgr	2.8240	4400.0	112	42124	No
117	GOM_TRA_1PNPDE20100321_222912_000000592087_00487_42124_8137.N1	21-MAR-2010 22:29:12	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	42124	No
118	GOM_TRA_1PNPDE20100321_223446_000000472087_00488_42125_8138.N1	21-MAR-2010 22:34:46	Dark	47.000	141	Bet Ara	2.8400	4600.0	94	42125	No
119	GOM_TRA_1PNPDE20100321_223818_000000402087_00488_42125_8139.N1	21-MAR-2010 22:38:18	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	42125	No
120	GOM_TRA_1PNPDE20100321_224101_000000452087_00488_42125_8140.N1	21-MAR-2010 22:41:01	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	42125	No
121	GOM_TRA_1PNPDE20100321_224317_000000472087_00488_42125_8141.N1	21-MAR-2010 22:43:17	Dark	47.000	78	Alp Lup	2.3040	28000.	94	42125	No
122	GOM_TRA_1PNPDE20100321_224449_000000522087_00488_42125_8142.N1	21-MAR-2010 22:44:49	Straylight	51.500	81	Eta Cen	2.3560	28000.	103	42125	No
123	GOM_TRA_1PNPDE20100321_224701_000000442087_00488_42125_8143.N1	21-MAR-2010 22:47:01	Straylight	44.000	64	Gam Cen	2.2000	10600.	88	42125	No
124	GOM_TRA_1PNPDE20100321_224923_000000502087_00488_42125_8144.N1	21-MAR-2010 22:49:23	Straylight	49.500	123	Iot Cen	2.7500	10200.	99	42125	No
125	GOM_TRA_1PNPDE20100321_225409_000000332087_00488_42125_8145.N1	21-MAR-2010 22:54:09	Straylight	33.000	169	46Gam Hya	2.9910	4700.0	66	42125	No
126	GOM_TRA_1PNPDE20100321_225522_000000502087_00488_42125_8146.N1	21-MAR-2010 22:55:22	Straylight	49.500	171	2Eps Crv	3.0010	4250.0	99	42125	No
127	GOM_TRA_1PNPDE20100321_225657_000000472087_00488_42125_8147.N1	21-MAR-2010 22:56:57	Twi_and_stray	47.000	100	4Gam Crv	2.5800	13100.	94	42125	No
128	GOM_TRA_1PNPDE20100321_230729_000000432087_00488_42125_8148.N1	21-MAR-2010 23:07:29	Bright	43.000	62	94Bet Leo	2.1360	9700.0	86	42125	No
129	GOM_TRA_1PNPDE20100321_231547_000000402087_00488_42125_8149.N1	21-MAR-2010 23:15:47	Bright	39.500	174	52Psi UMa	3.0040	4400.0	79	42125	No
130	GOM_TRA_1PNPDE20100321_231903_000000382087_00488_42125_8150.N1	21-MAR-2010 23:19:03	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	42125	No

131	GOM_TRA_1PNPDE20100321_232034_000000432087_00488_42125_8151.N1	21-MAR-2010 23:20:34	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	42125	No
132	GOM_TRA_1PNPDE20100321_232235_000000472087_00488_42125_8152.N1	21-MAR-2010 23:22:35	Bright	46.500	55	79Zet UMa	2.0600	10200.	93	42125	No
133	GOM_TRA_1PNPDE20100321_232727_000000422087_00488_42125_8153.N1	21-MAR-2010 23:27:27	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	42125	No
134	GOM_TRA_1PNPDE20100321_233110_000000502087_00488_42125_8154.N1	21-MAR-2010 23:31:10	Bright	50.000	119	14Eta Dra	2.7270	4700.0	100	42125	No
135	GOM_TRA_1PNPDE20100321_234113_000000382087_00488_42125_8155.N1	21-MAR-2010 23:41:13	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	42125	No
136	GOM_TRA_1PNPDE20100321_234248_000000412087_00488_42125_8156.N1	21-MAR-2010 23:42:48	Bright	41.000	66	37Gam Cyg	2.2080	5900.0	82	42125	No
137	GOM_TRA_1PNPDE20100321_234436_000000412087_00488_42125_8157.N1	21-MAR-2010 23:44:36	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	42125	No
138	GOM_TRA_1PNPDE20100321_235325_000000532087_00488_42125_8158.N1	21-MAR-2010 23:53:25	Twi_and_stray	52.500	11	53Alp Aql	0.76500	8000.0	105	42125	No

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





4. Overview of dark signal processing per product

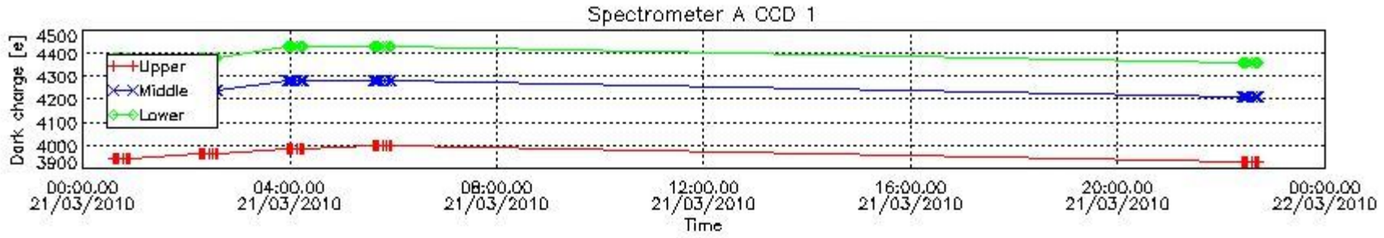
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore substracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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

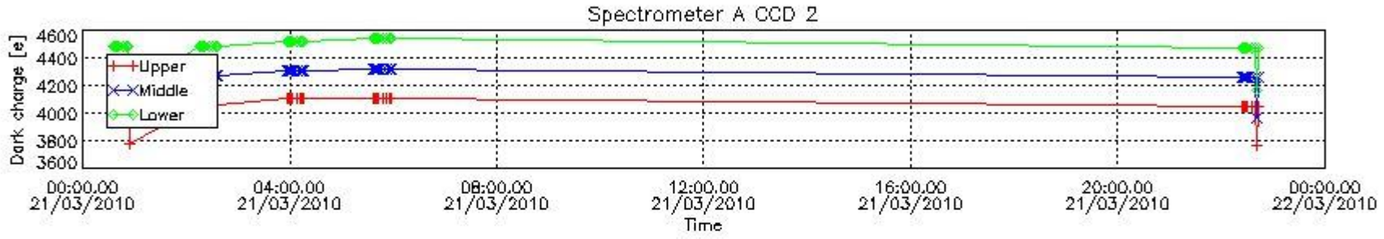
4.1 These products did not use the DSA observation for DC computation:

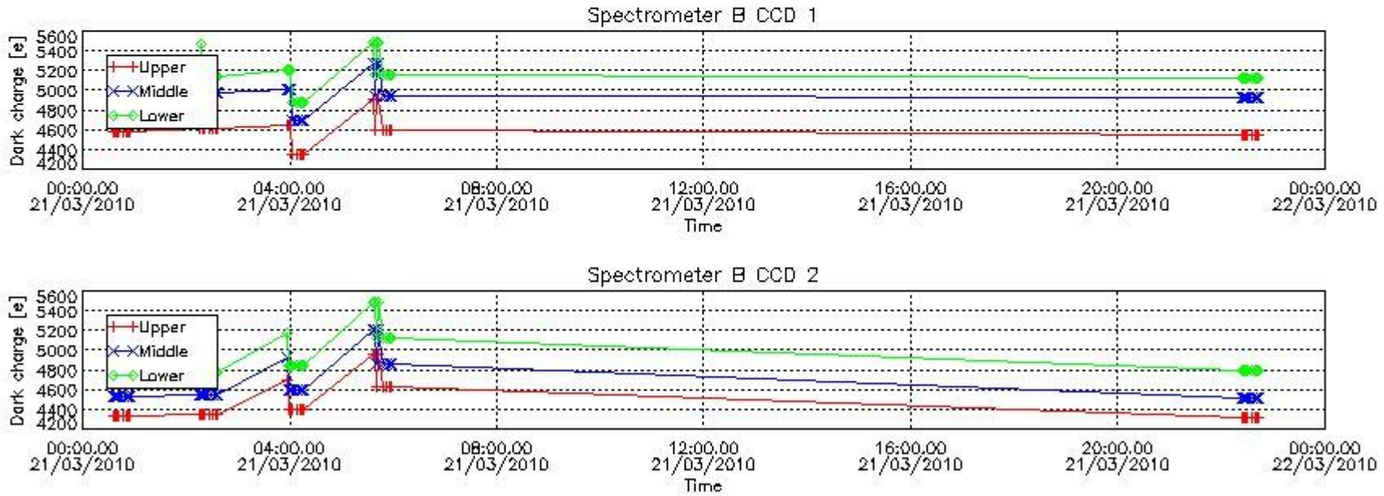
Product name	DC information
GOM_TRA_1PNPDE20100321_210625_000000442087_00487_42124_8112.N1	DC map used
GOM_TRA_1PNPDE20100321_210846_000000492087_00487_42124_8113.N1	DC map used

GOM_TRA_1PNPDE20100321_211333_000000332087_00487_42124_8114.N1	DC map used
GOM_TRA_1PNPDE20100321_211446_000000472087_00487_42124_8115.N1	DC map used
GOM_TRA_1PNPDE20100321_211621_000000492087_00487_42124_8116.N1	DC map used
GOM_TRA_1PNPDE20100321_212653_000000442087_00487_42124_8117.N1	DC map used
GOM_TRA_1PNPDE20100321_213512_000000412087_00487_42124_8118.N1	DC map used
GOM_TRA_1PNPDE20100321_213828_000000372087_00487_42124_8119.N1	DC map used
GOM_TRA_1PNPDE20100321_213959_000000412087_00487_42124_8120.N1	DC map used
GOM_TRA_1PNPDE20100321_214200_000000472087_00487_42124_8121.N1	DC map used
GOM_TRA_1PNPDE20100321_214651_000000432087_00487_42124_8122.N1	DC map used
GOM_TRA_1PNPDE20100321_215034_000000472087_00487_42124_8123.N1	DC map used
GOM_TRA_1PNPDE20100321_220037_000000382087_00487_42124_8124.N1	DC map used
GOM_TRA_1PNPDE20100321_220212_000000402087_00487_42124_8125.N1	DC map used
GOM_TRA_1PNPDE20100321_220400_000000392087_00487_42124_8126.N1	DC map used
GOM_TRA_1PNPDE20100321_221248_000000572087_00487_42124_8127.N1	DC map used

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







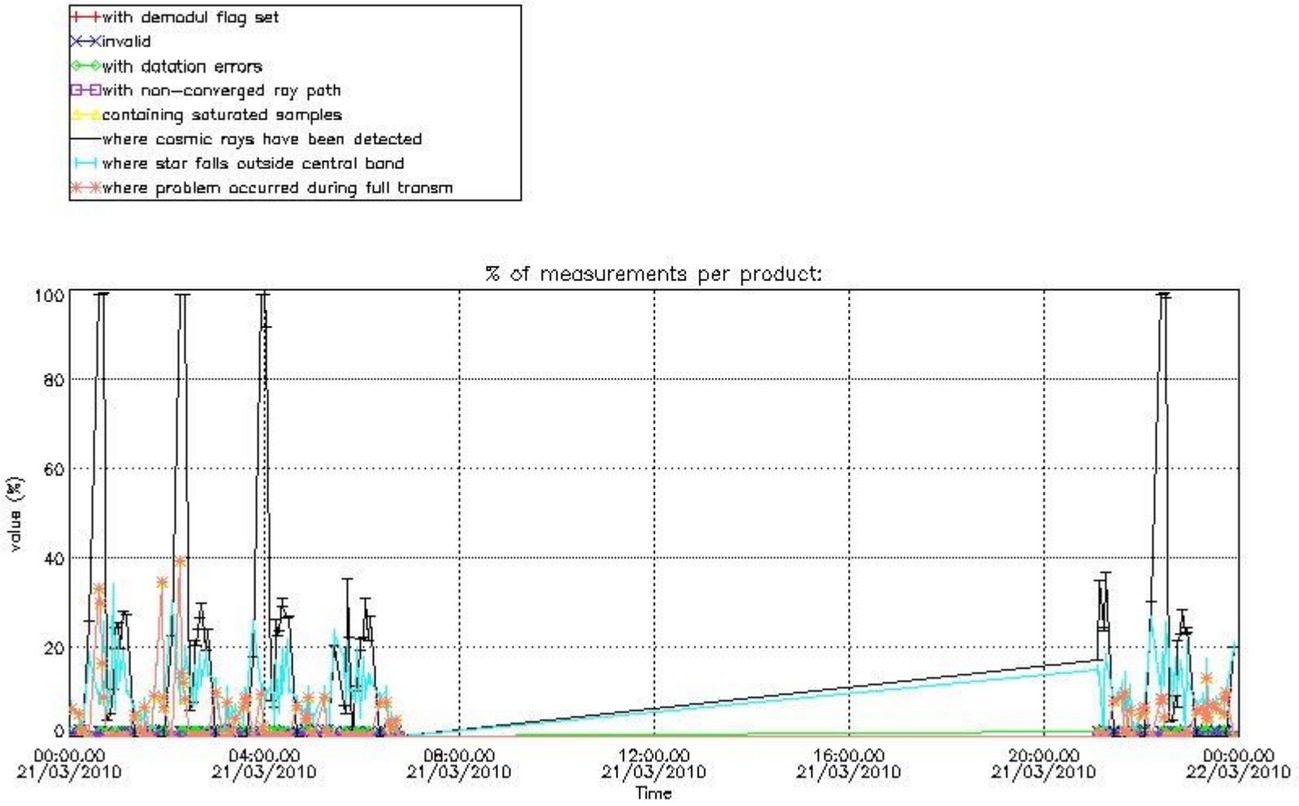
5. Demodulation flag and quality information monitoring

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:

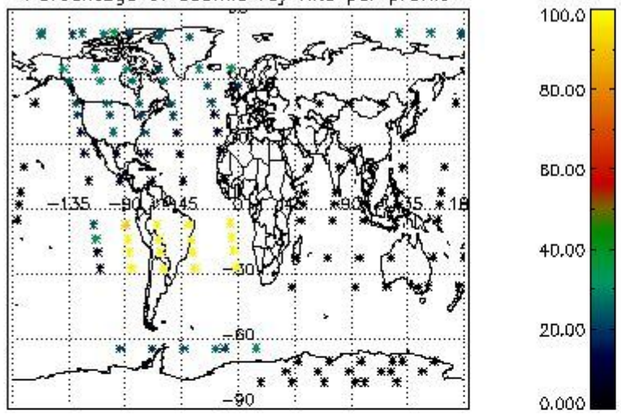
At least one measurement with demodulation flag set:	37.9562 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)

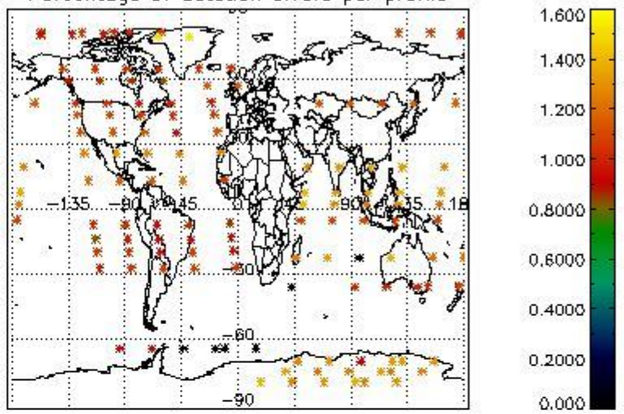


5.3 Plot quality information per product (world map)

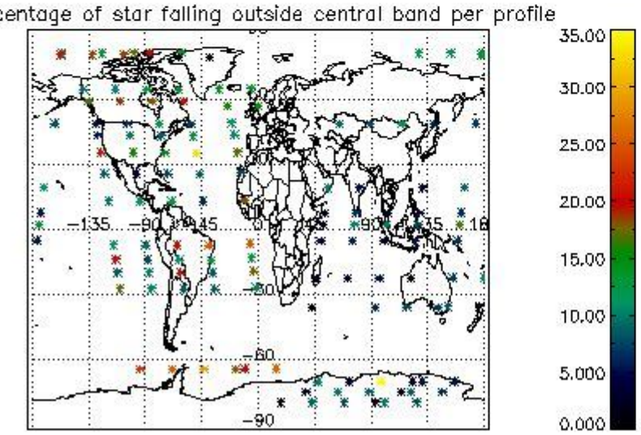
Percentage of cosmic ray hits per profile



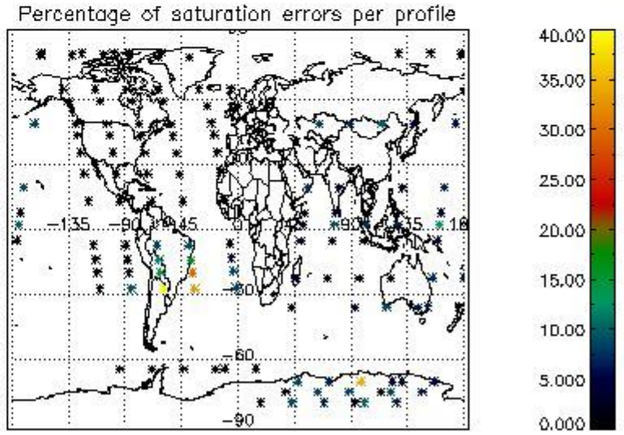
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



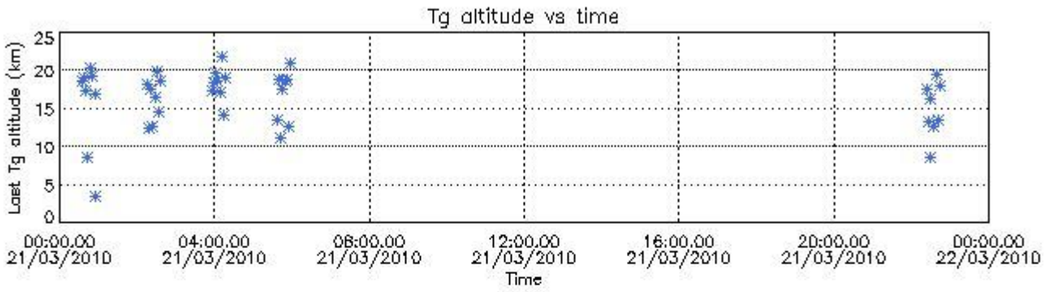
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

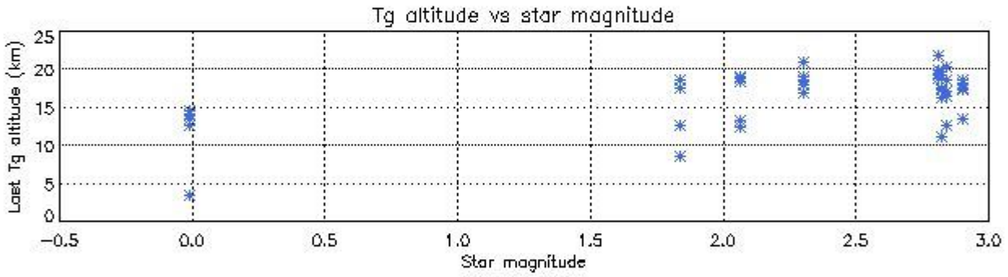
6.1 Statistics on tangent altitude lost:

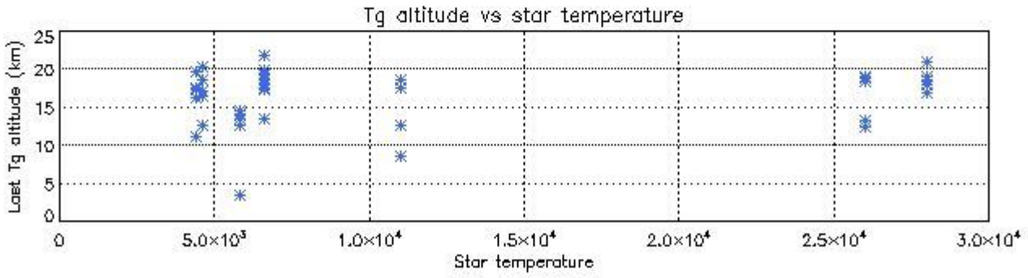
Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.229	20.476	NaN
St. deviation:	3.8491	3.5243	NaN
Maximum:	21.808	28.125	NaN
Minimum:	3.3448	3.8282	NaN
Number of data:	40.000	60.000	NaN

6.2 Plot for DARK limb products

Tangent altitude at which the star is lost

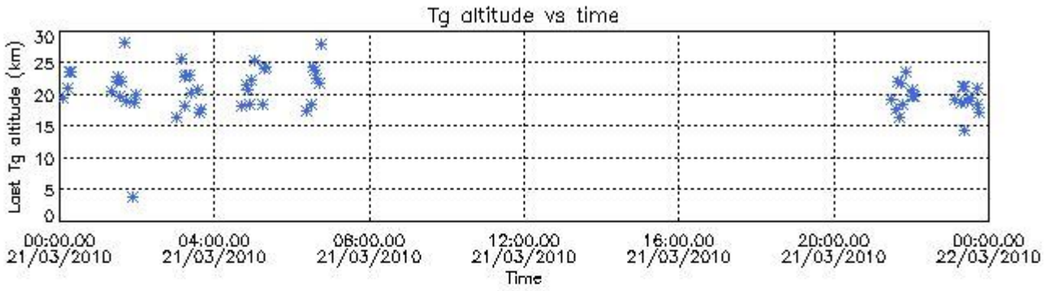


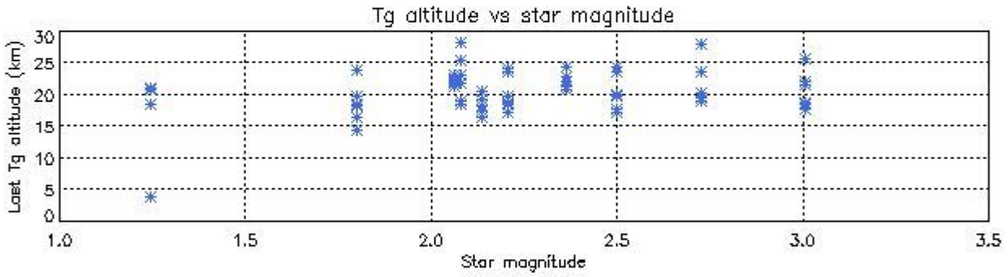


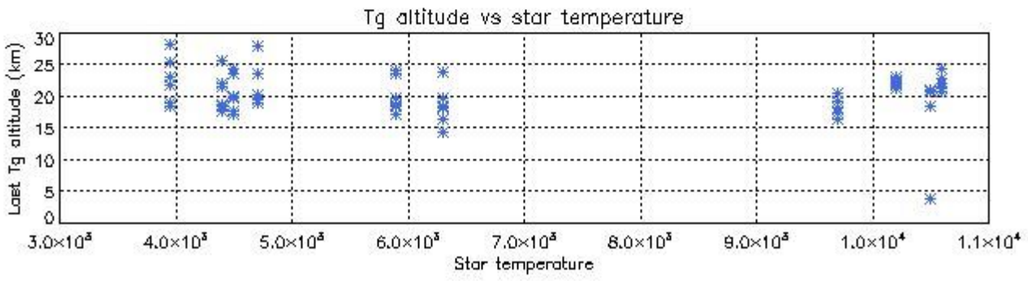


6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost





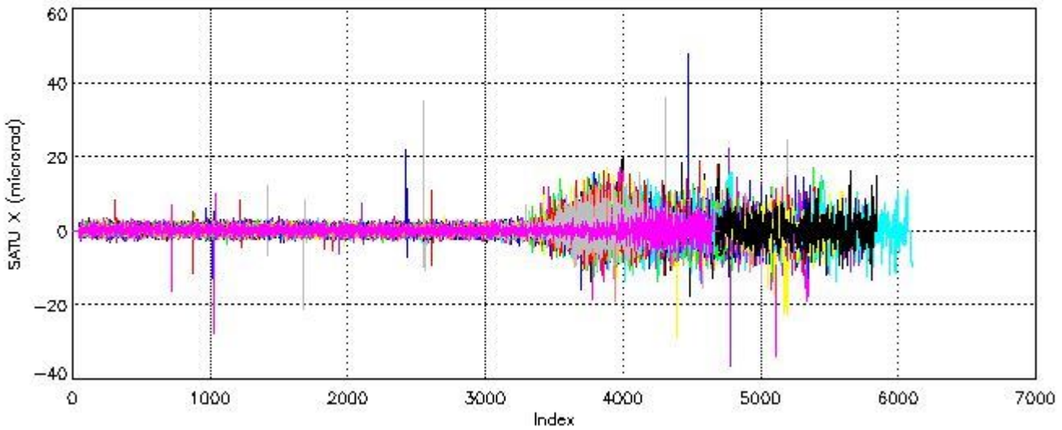


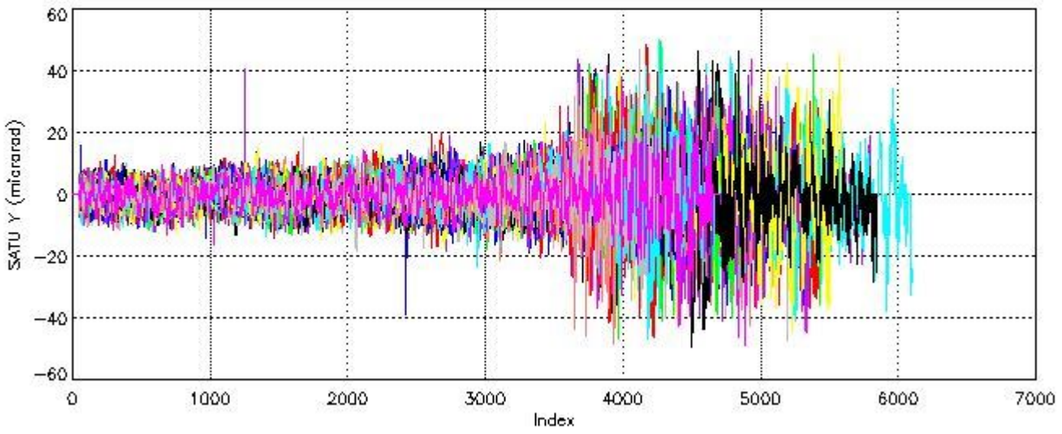
7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main 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:	0.22147	-0.31140	0.16156	-0.23808
St. deviation:	0.64518	3.2472	0.65976	3.1906
Maximum:	10.100	15.800	4.3000	13.100
Minimum:	-27.900	-16.400	-6.6000	-14.600

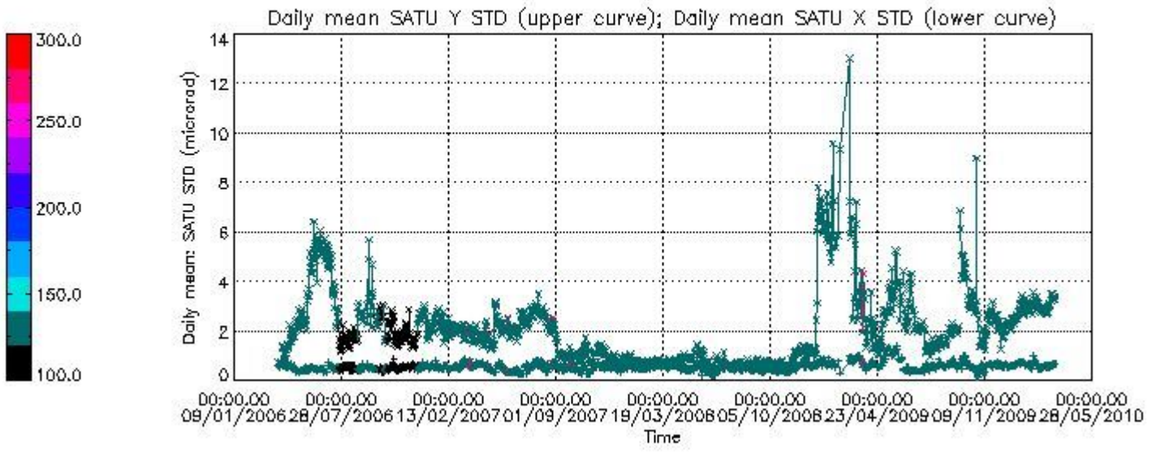
Number of data:	43050.	43050.	59100.	59100.

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.

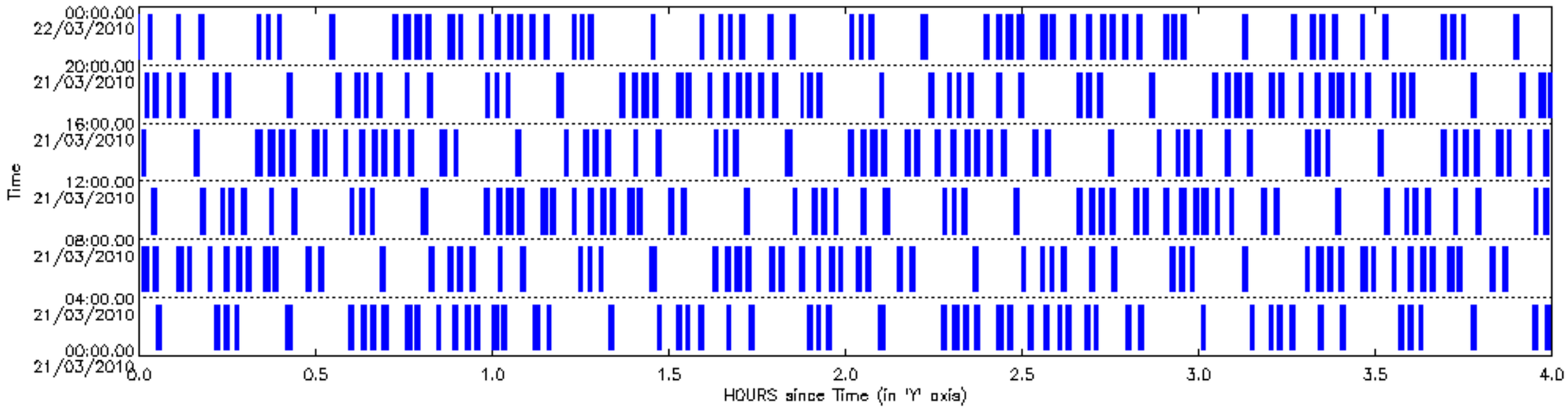
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

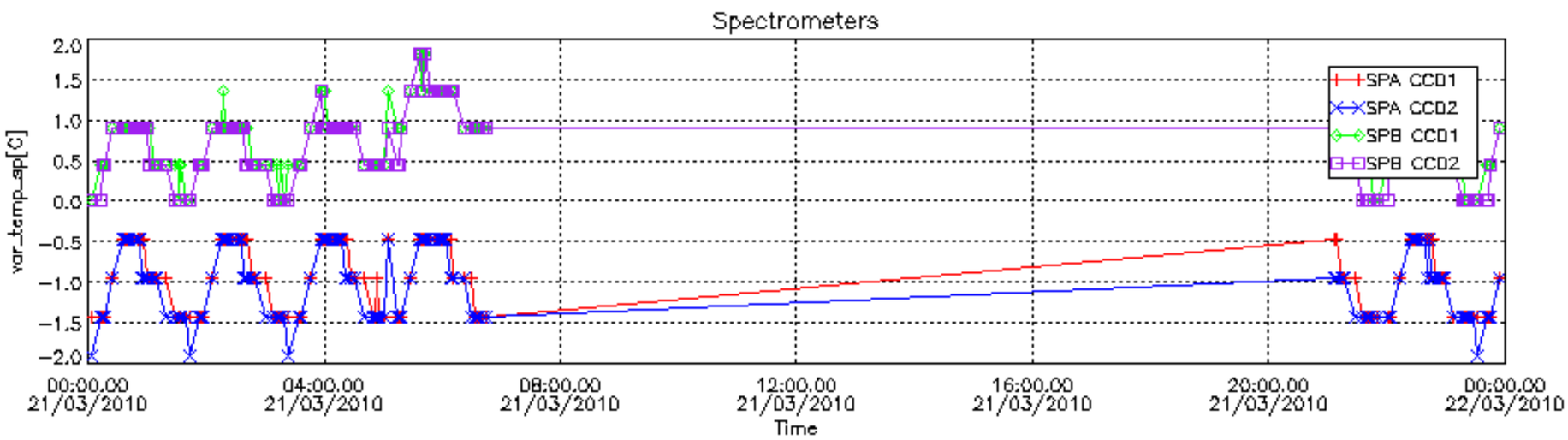


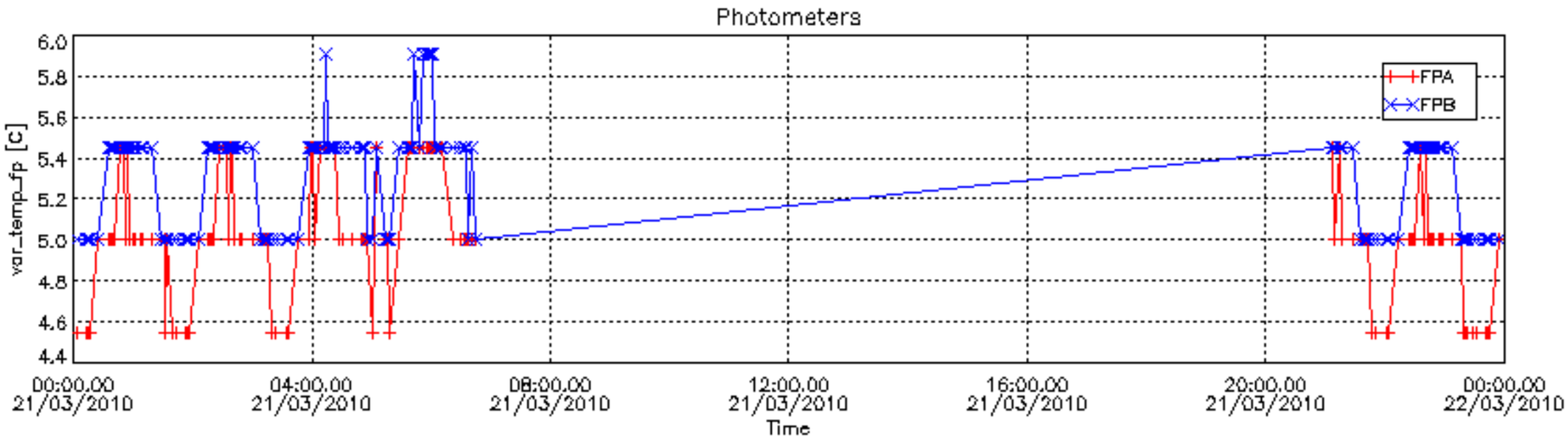
8. Auxiliary Data Files used for the production reported in section 2.4

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.

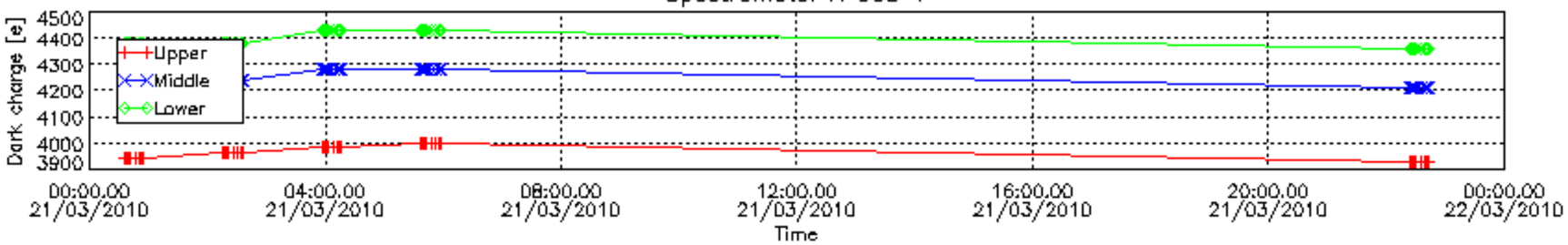
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-MAR-2010 00:02:55
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100317_084501_20100315_000000_20500101_000000	1	21-MAR-2010 00:02:55
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	21-MAR-2010 00:02:55
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	21-MAR-2010 00:02:55
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	21-MAR-2010 00:02:55
ECMWF_FILE	AUX_ECF_AXNECM20100320_054116_20100320_210000_20100321_090000	1	21-MAR-2010 00:02:55
ECMWF_FILE	AUX_ECF_AXNECM20100320_171010_20100321_030000_20100321_150000	49	21-MAR-2010 03:24:06
ECMWF_FILE	AUX_ECA_AXNECM20100321_052116_20100320_210000_20100321_090000	73	21-MAR-2010 05:04:42
ECMWF_FILE	AUX_ECF_AXNECM20100321_054116_20100321_210000_20100322_090000	98	21-MAR-2010 21:06:25
OPTIONAL_ECMWF_FILE	MISSING	1	21-MAR-2010 00:02:55
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100320_000118_20100319_183225_20100329_213915	1	21-MAR-2010 00:02:55
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20100321_002819_000054192087_00474_42111_0002.N1	6	21-MAR-2010 00:35:32
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100320_000118_20100319_183225_20100329_213915	30	21-MAR-2010 02:16:09
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20100321_210058_000041442087_00487_42124_0006.N1	98	21-MAR-2010 21:06:25
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20100321_221521_000057382087_00487_42124_0007.N1	114	21-MAR-2010 22:23:31


00:00.00
22/03/2010
20:00.00
21/03/2010
16:00.00
21/03/2010
12:00.00
21/03/2010
08:00.00
21/03/2010
04:00.00
21/03/2010
00:00.00
21/03/2010
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)

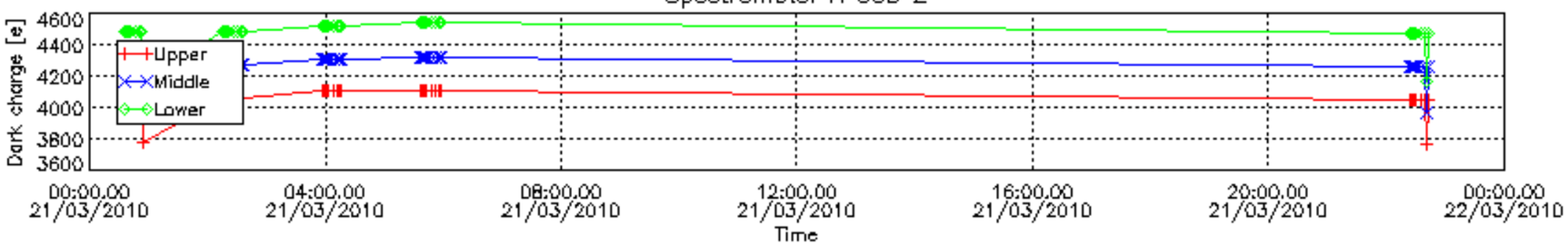

Spectrometers
var_temp_sp[C]
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
SPA CCD1
SPA CCD2
SPB CCD1
SPB CCD2
00:00.00
21/03/2010
04:00.00
21/03/2010
08:00.00
21/03/2010
12:00.00
21/03/2010
16:00.00
21/03/2010
20:00.00
21/03/2010
00:00.00
22/03/2010
Time


Photometers
var_temp_fp [C]
6.0
5.8
5.6
5.4
5.2
5.0
4.8
4.6
4.4
FPA
FPB
00:00.00
21/03/2010
04:00.00
21/03/2010
08:00.00
21/03/2010
12:00.00
21/03/2010
16:00.00
21/03/2010
20:00.00
21/03/2010
00:00.00
22/03/2010
Time

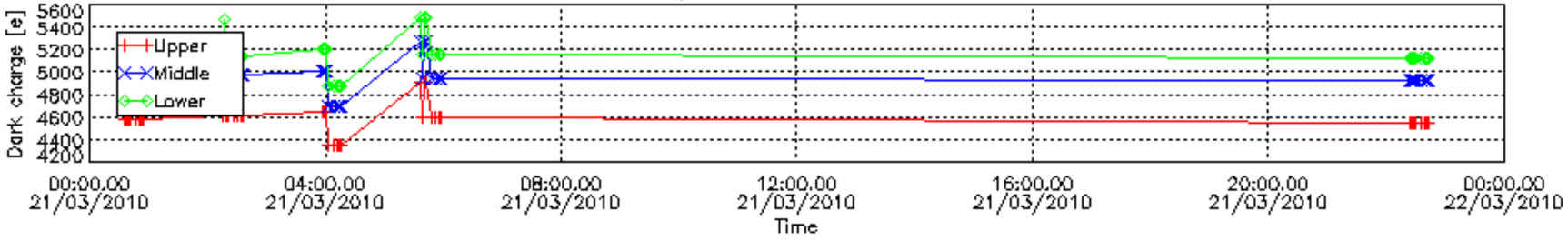
Spectrometer A CCD 1



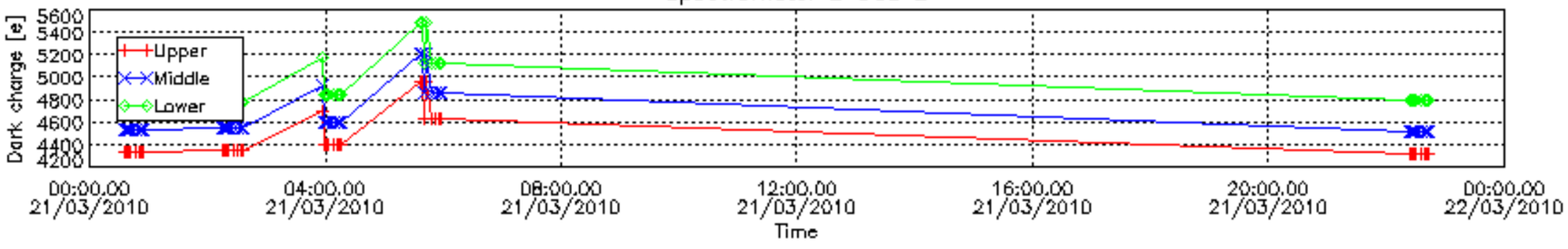
Spectrometer A CCD 2



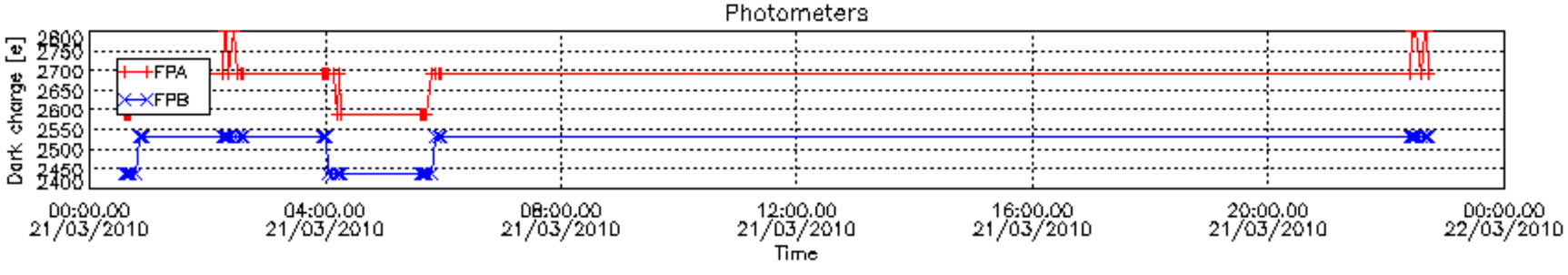
Spectrometer B CCD 1

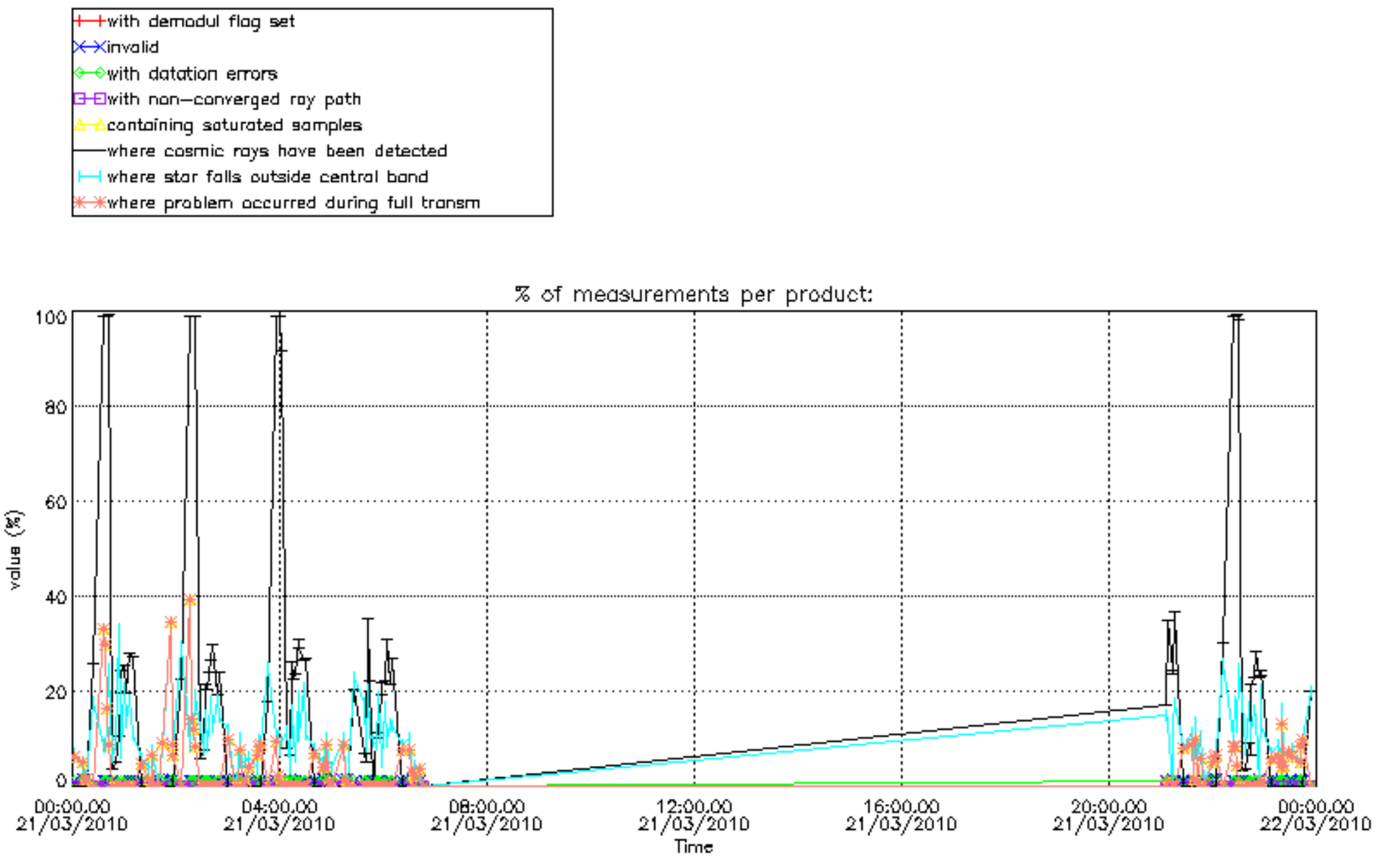


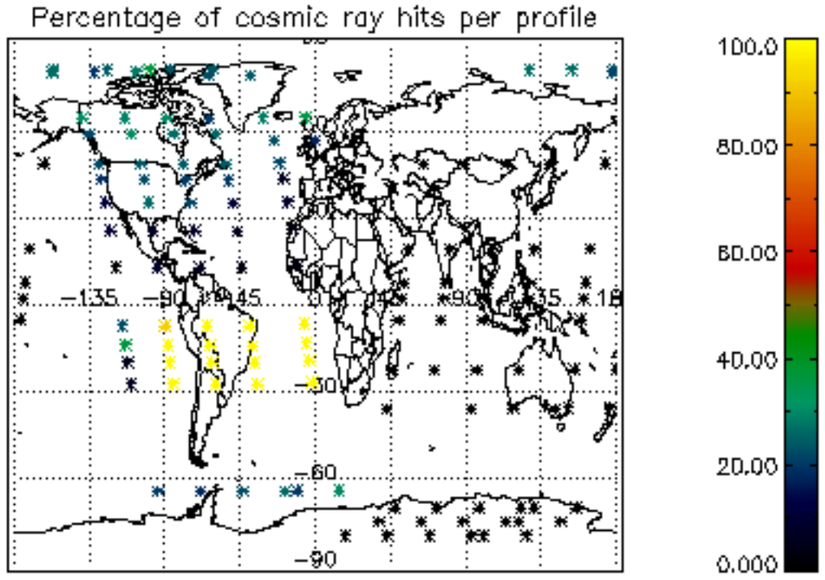
Spectrometer B CCD 2

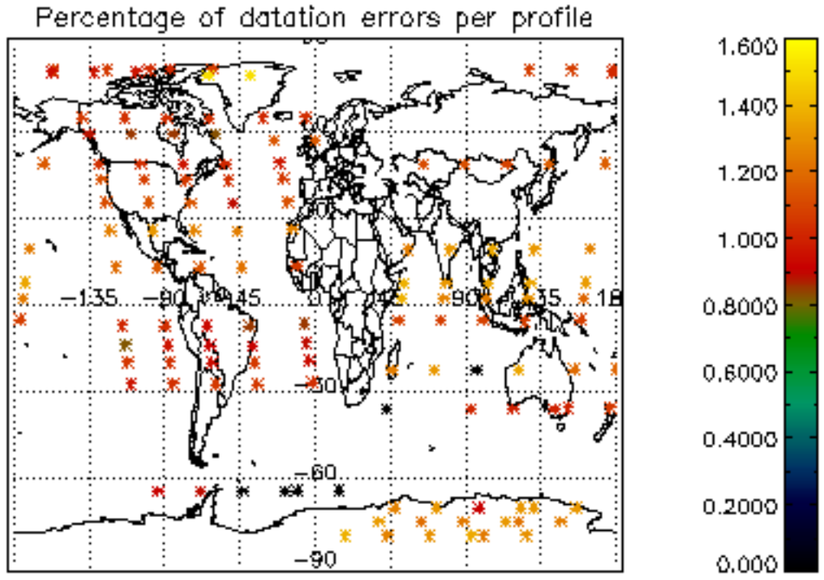


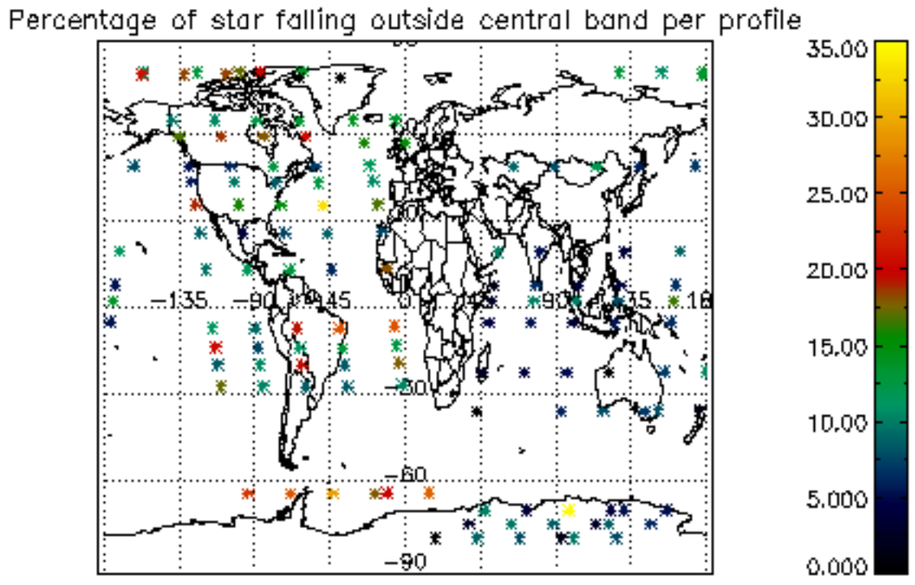
Photometers

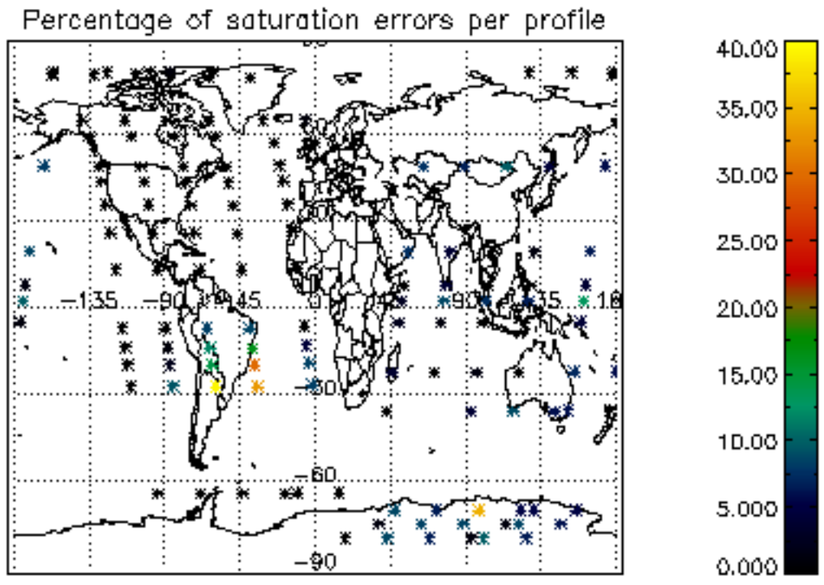



with demodul flag set
invalid
with datation errors
with non-converged ray path
containing saturated samples
where cosmic rays have been detected
where star falls outside central band
where problem occurred during full transm
% of measurements per product:
100
80
60
40
20
0
value (%)
00:00.00 21/03/2010
04:00.00 21/03/2010
08:00.00 21/03/2010
12:00.00 21/03/2010
16:00.00 21/03/2010
20:00.00 21/03/2010
00:00.00 22/03/2010
Time

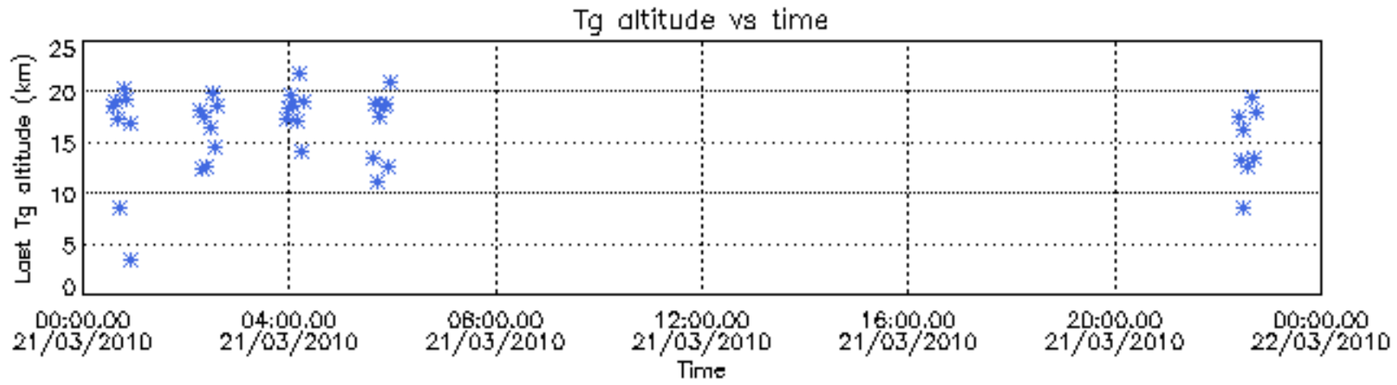

Percentage of cosmic ray hits per profile
100.0
80.00
60.00
40.00
20.00
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90

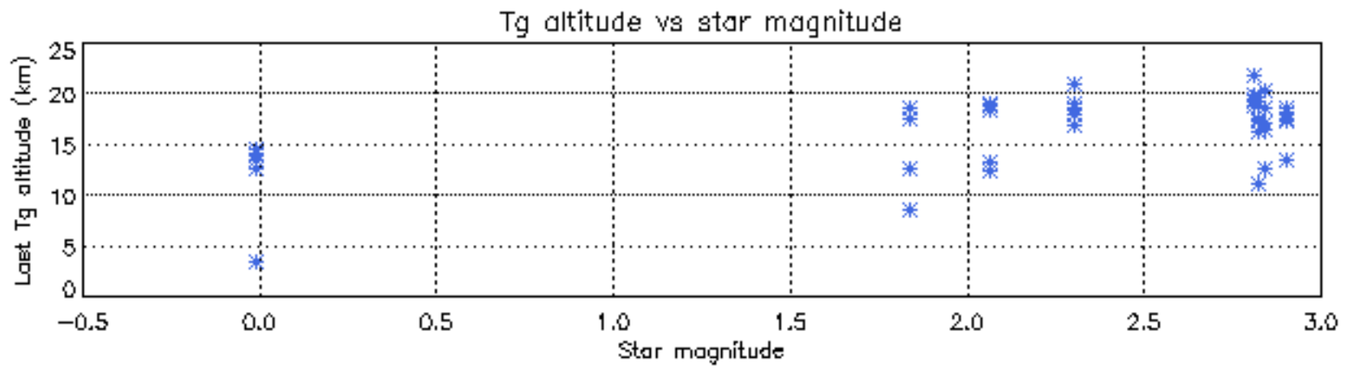

Percentage of datation errors per profile
1.600
1.400
1.200
1.000
0.8000
0.6000
0.4000
0.2000
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90

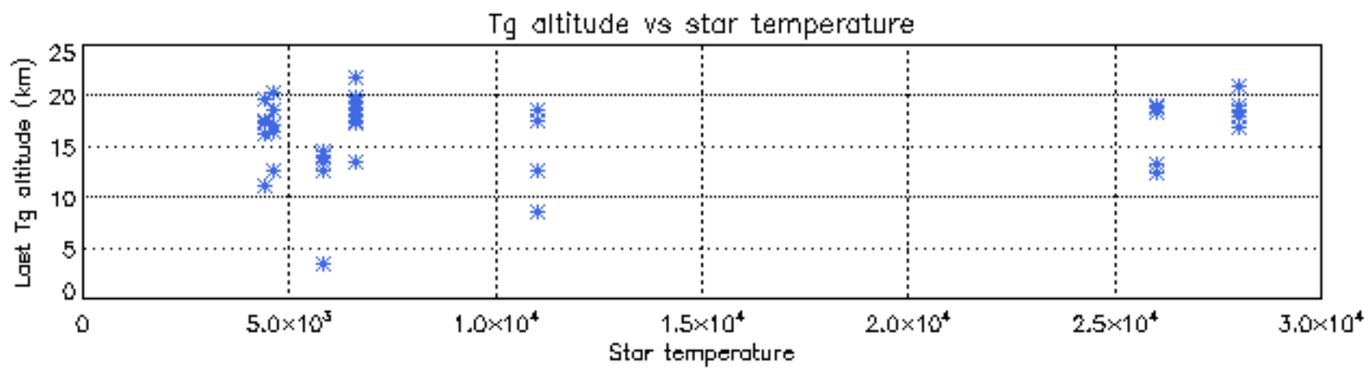

Percentage of star falling outside central band per profile
35.00
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90


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
−45
0
45
90
135
180
−30
−60
−90

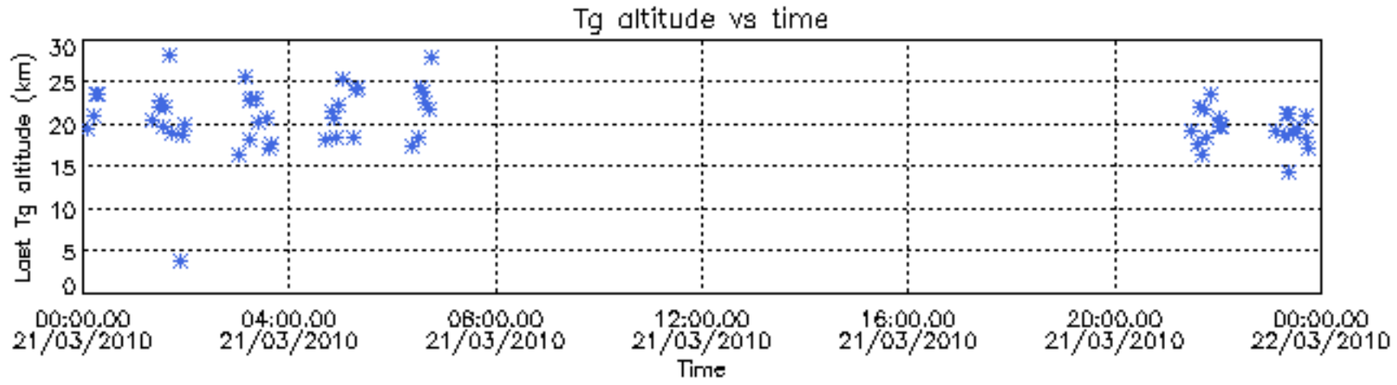
Tangent altitude at which the star is lost

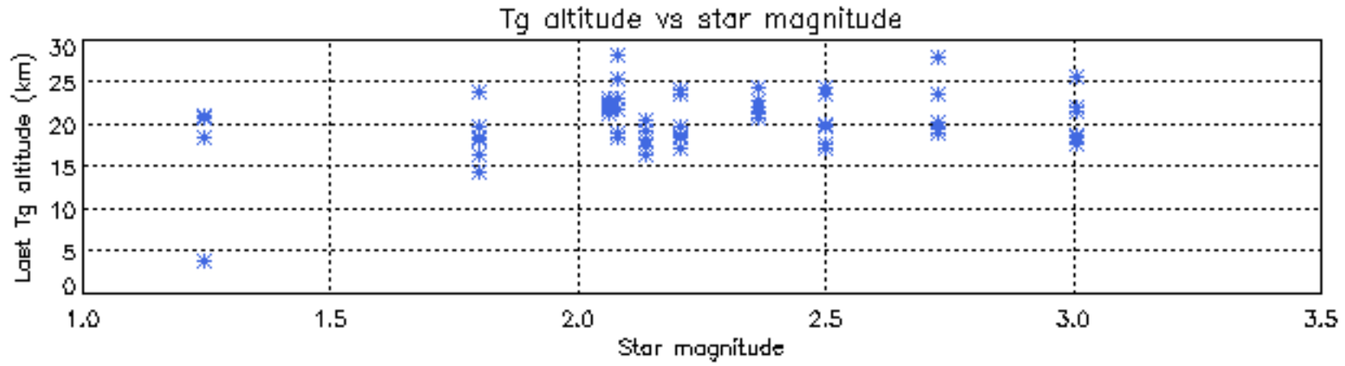


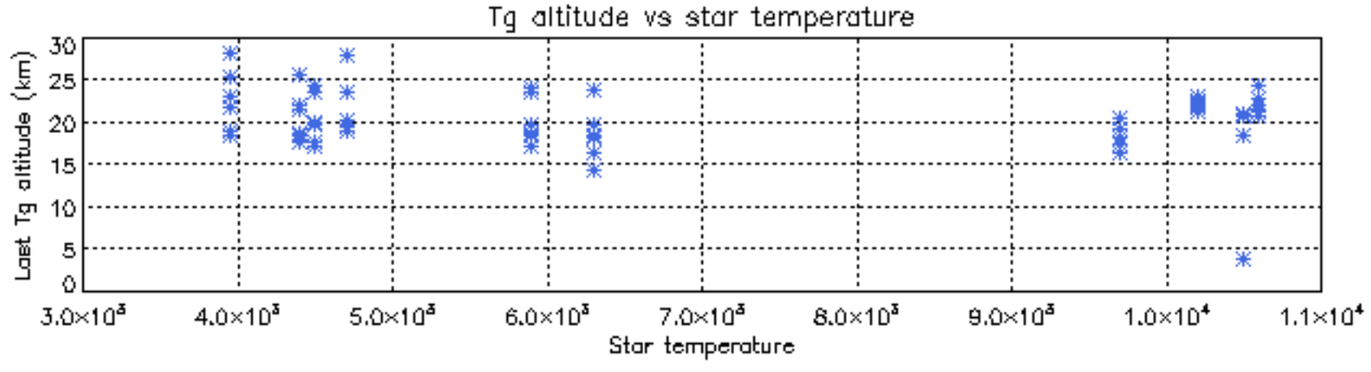


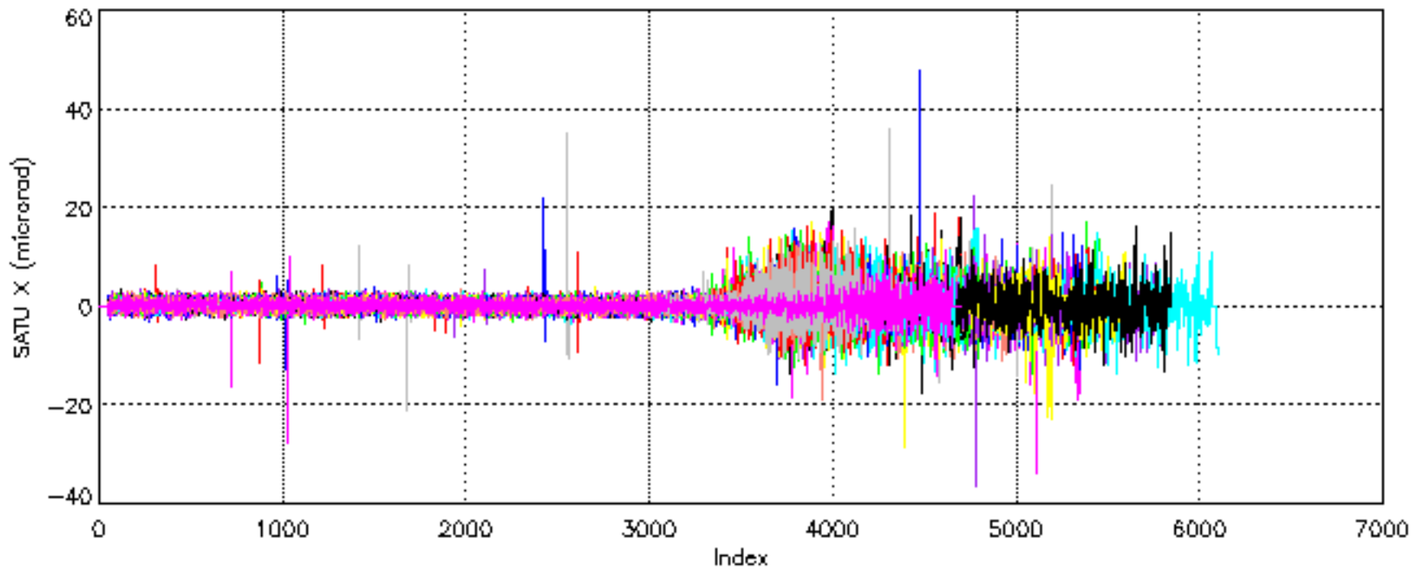


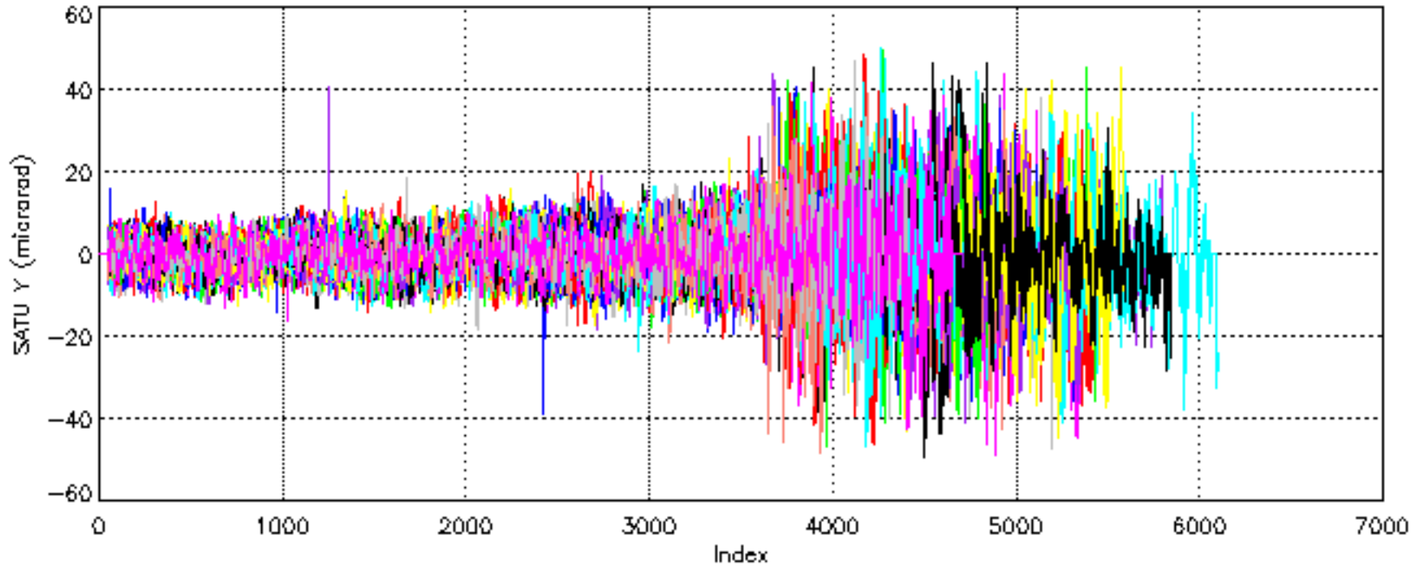
Tangent altitude at which the star is lost

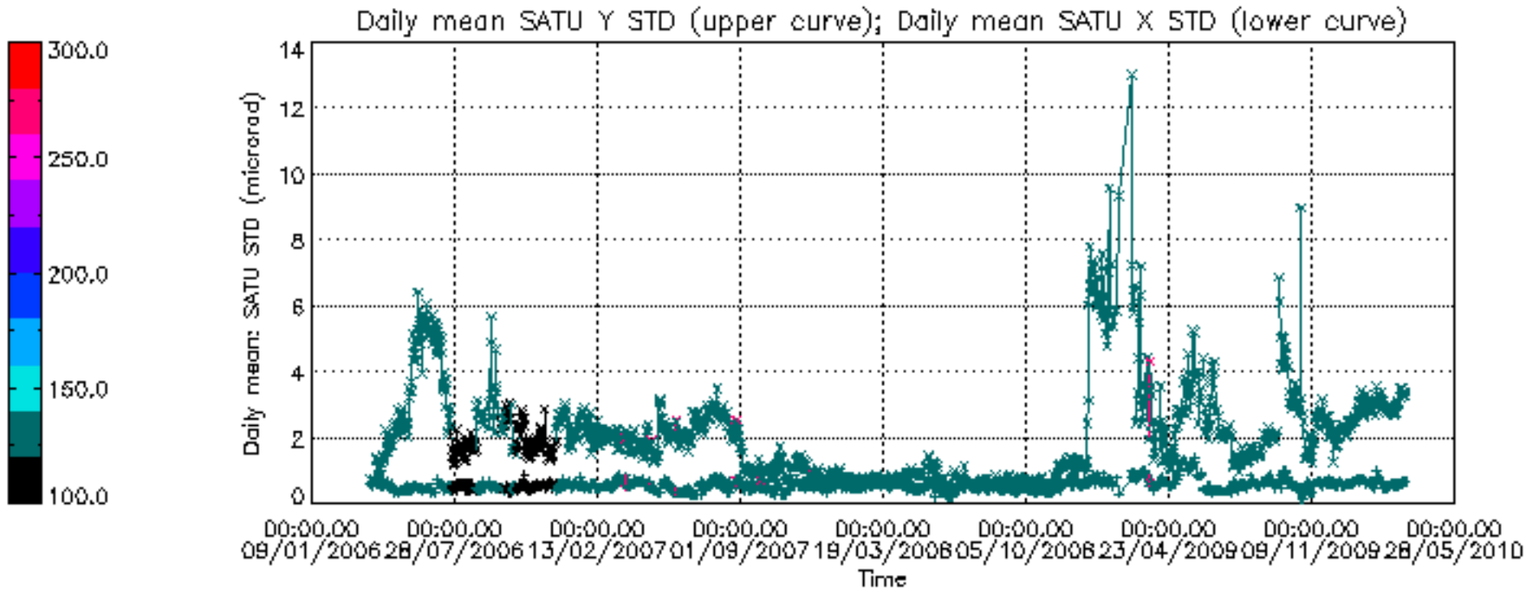







60
40
20
0
−20
−40
SATU X (microrad)
0
1000
2000
3000
4000
5000
6000
7000
Index


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


300.0
250.0
200.0
150.0
100.0
Daily mean SATU Y STD (upper curve); Daily mean SATU X STD (lower curve)
Daily mean: SATU STD (microrad)
14
12
10
8
6
4
2
0
00:00.00 09/01/2006
00:00.00 28/07/2006
00:00.00 13/02/2007
00:00.00 01/09/2007
00:00.00 19/03/2008
00:00.00 05/10/2008
00:00.00 23/04/2009
00:00.00 09/11/2009
00:00.00 28/05/2010
Time

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100301_010253_000094412087_00188_41825_9584.N1
1; -542.9; 01-MAR-2010 01:02:53; Dark ; 40.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 81; 0;41825
2; -357.0; 01-MAR-2010 01:05:59; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;41825
3; -187.3; 01-MAR-2010 01:08:48; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;41825
4; -1.4; 01-MAR-2010 01:11:54; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;41825
5; 156.2; 01-MAR-2010 01:14:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41826
6; 293.9; 01-MAR-2010 01:16:49; Dark ; 51.5; 131; Gam Lup ; 2.80; 26000;occ; 103; 0;41826
7; 431.5; 01-MAR-2010 01:19:07; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41826
8; 510.7; 01-MAR-2010 01:20:26; Dark ; 40.5; 10; Bet Cen ; 0.61; 28000;occ; 81; 0;41826
9; 617.8; 01-MAR-2010 01:22:13; Dark ; 46.0; 77; Eps Cen ; 2.30; 28000;occ; 92; 0;41826
10; 727.4; 01-MAR-2010 01:24:03; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;41826
11; 811.4; 01-MAR-2010 01:25:27; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41826
12; 2124.3; 01-MAR-2010 01:47:20; Bright; 45.5; 22; 32Alp Leo ; 1.36; 15200;occ; 91; 0;41826
13; 2282.2; 01-MAR-2010 01:49:58; Bright; 46.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 93; 0;41826
14; 2819.5; 01-MAR-2010 01:58:55; Bright; 43.5; 174; 52Psi UMa ; 3.00; 4400;occ; 87; 0;41826
15; 2983.4; 01-MAR-2010 02:01:39; Bright; 42.0; 82; 48Bet UMa ; 2.37; 10600;occ; 84; 0;41826
16; 3062.9; 01-MAR-2010 02:02:58; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;41826
17; 3493.1; 01-MAR-2010 02:10:09; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41826
18; 3775.4; 01-MAR-2010 02:14:51; Bright; 50.0; 119; 14Eta Dra ; 2.73; 4700;occ; 100; 0;41826
19; 4038.4; 01-MAR-2010 02:19:14; Bright; 45.0; 130; 23Bet Dra ; 2.80; 5800;occ; 90; 0;41826
20; 4211.9; 01-MAR-2010 02:22:08; Bright; 36.0; 144; 18Del Cyg ; 2.86; 11000;occ; 72; 0;41826
21; 4341.7; 01-MAR-2010 02:24:17; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;41826
22; 4797.1; 01-MAR-2010 02:31:53; Bright; 40.0; 168; 17Zet Aql ; 2.99; 11000;occ; 80; 0;41826
23; 5493.4; 01-MAR-2010 02:43:29; Dark ; 40.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 80; 0;41826
24; 5679.6; 01-MAR-2010 02:46:35; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;41826
25; 5849.8; 01-MAR-2010 02:49:25; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;41826
26; 6192.6; 01-MAR-2010 02:55:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41826
27; 6331.1; 01-MAR-2010 02:57:27; Dark ; 49.0; 131; Gam Lup ; 2.80; 26000;occ; 98; 0;41826
28; 6468.1; 01-MAR-2010 02:59:44; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41826
29; 6547.4; 01-MAR-2010 03:01:03; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41826
30; 6654.4; 01-MAR-2010 03:02:50; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41826
31; 6763.8; 01-MAR-2010 03:04:39; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;41826
32; 6848.4; 01-MAR-2010 03:06:04; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41826
33; 8160.5; 01-MAR-2010 03:27:56; Bright; 44.5; 22; 32Alp Leo ; 1.36; 15200;occ; 89; 0;41826
34; 8317.8; 01-MAR-2010 03:30:33; Bright; 46.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 92; 0;41826
35; 8854.4; 01-MAR-2010 03:39:30; Bright; 44.0; 174; 52Psi UMa ; 3.00; 4400;occ; 88; 0;41826
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100301_034014_000067082087_00190_41827_9585.N1
1; 2862.0; 01-MAR-2010 03:40:14; Bright; 44.5; 174; 52Psi UMa ; 3.00; 4400;occ; 89; 87;41827
2; 2983.3; 01-MAR-2010 03:42:15; Bright; 41.5; 82; 48Bet UMa ; 2.37; 10600;occ; 83; 0;41827
3; 3062.7; 01-MAR-2010 03:43:34; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;41827
4; 3492.8; 01-MAR-2010 03:50:44; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41827
5; 3774.7; 01-MAR-2010 03:55:26; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;41827
6; 4038.1; 01-MAR-2010 03:59:50; Bright; 47.0; 130; 23Bet Dra ; 2.80; 5800;occ; 94; 0;41827
7; 4212.4; 01-MAR-2010 04:02:44; Bright; 35.5; 144; 18Del Cyg ; 2.86; 11000;occ; 71; 0;41827
8; 4341.4; 01-MAR-2010 04:04:53; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;41827
9; 4797.4; 01-MAR-2010 04:12:29; Bright; 39.5; 168; 17Zet Aql ; 2.99; 11000;occ; 79; 0;41827
10; 5493.9; 01-MAR-2010 04:24:05; Dark ; 39.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 79; 0;41827
11; 5680.4; 01-MAR-2010 04:27:12; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;41827
12; 5850.6; 01-MAR-2010 04:30:02; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;41827
13; 6193.3; 01-MAR-2010 04:35:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41827
14; 6332.1; 01-MAR-2010 04:38:04; Dark ; 50.0; 131; Gam Lup ; 2.80; 26000;occ; 100; 0;41827
15; 6469.0; 01-MAR-2010 04:40:21; Dark ; 44.0; 4; Alp1Cen ;-0.01; 5800;occ; 88; 0;41827
16; 6547.8; 01-MAR-2010 04:41:39; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;41827
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   9; 4812.3; 04-MAR-2010 04:18:29; Bright;  43.0;  168; 17Zet Aql  ; 2.99; 11000;occ;  86;   0;41870
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  21; 3443.6; 11-MAR-2010 00:14:22; Bright;  37.5;   60;  7Bet UMi  ; 2.08;  3950;occ;  75;   0;41968
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  14; 5824.3; 14-MAR-2010 12:43:59; Dark  ;  51.5;   38; 20Eps Sgr  ; 1.84; 11000;occ; 103;   0;42018
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  22; 4305.2; 17-MAR-2010 00:40:13; Bright; 37.5;   66; 37Gam Cyg ; 2.21; 5900;occ; 75;   0;42054
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  17; 6218.6; 17-MAR-2010 09:35:06; Dark  ;  44.5;  141;   Bet Ara  ; 2.84;  4600;occ;  89;   0;42059
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   5;  126.5; 22-MAR-2010 00:13:41; Dark  ;  59.5;    0;            ; 0.00;     0;occ; 119;   0;42126
   6;  228.3; 22-MAR-2010 00:15:23; Dark  ;  42.5;  141;   Bet Ara  ; 2.84;  4600;occ;  85;   0;42126
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  14; 1462.9; 22-MAR-2010 00:35:58; Dark  ;  48.5;  171;  2Eps Crv  ; 3.00;  4250;occ;  97;   0;42126
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   7;  603.1; 22-MAR-2010 02:02:14; Dark  ;  56.0;    4;   Alp1Cen  ;-0.01;  5800;occ; 112;   0;42127
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  10;  963.3; 22-MAR-2010 02:08:14; Dark  ;  42.0;   64;   Gam Cen  ; 2.20; 10600;occ;  84;   0;42127
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  16; 2688.0; 22-MAR-2010 02:36:59; Bright;  37.5;  174; 52Psi UMa  ; 3.00;  4400;occ;  75;   0;42127
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  13;  741.0; 22-MAR-2010 03:45:08; Dark  ;  45.5;   78;   Alp Lup  ; 2.30; 28000;occ;  91;   0;42128
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  15;  963.6; 22-MAR-2010 03:48:50; Dark  ;  39.5;   64;   Gam Cen  ; 2.20; 10600;occ;  79;   0;42128
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  14;  741.5; 22-MAR-2010 05:25:44; Dark  ;  45.5;   78;   Alp Lup  ; 2.30; 28000;occ;  91;   0;42129
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  21; 3377.5; 24-MAR-2010 01:45:14; Bright;  37.5;   60;  7Bet UMi  ; 2.08;  3950;occ;  75;   0;42155
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  23; 3905.7; 24-MAR-2010 01:54:02; Bright;  53.0;   89;  5Alp Cep  ; 2.45;  8000;occ; 106;   0;42155
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   9; 2679.8; 24-MAR-2010 20:00:12; Bright;  53.5;  174; 52Psi UMa  ; 3.00;  4400;occ; 107;   0;42166
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  12; 3067.1; 24-MAR-2010 20:06:39; Bright;  45.5;   55; 79Zet UMa  ; 2.06; 10200;occ;  91;   0;42166
  13; 3373.5; 24-MAR-2010 20:11:46; Bright;  42.5;   60;  7Bet UMi  ; 2.08;  3950;occ;  85;   0;42166
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  17; 4310.6; 24-MAR-2010 20:27:23; Bright;  43.0;   66; 37Gam Cyg  ; 2.21;  5900;occ;  86;   0;42166
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  24; 6182.2; 24-MAR-2010 20:58:34; Dark  ;  48.5;   85;   Kap Sco  ; 2.41; 28000;occ;  97;   0;42167
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  23; 6810.1; 25-MAR-2010 08:53:14; Dark  ;  45.5;   78;   Alp Lup  ; 2.30; 28000;occ;  91;   0;42174
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   8; 2677.4; 25-MAR-2010 19:28:32; Bright;  37.0;  174; 52Psi UMa  ; 3.00;  4400;occ;  74;   0;42180
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   6; 2964.0; 27-MAR-2010 10:07:05; Bright;  53.0;   36; 50Alp UMa  ; 1.80;  6300;occ; 106;   0;42203
   7; 3360.9; 27-MAR-2010 10:13:42; Bright;  40.5;   60;  7Bet UMi  ; 2.08;  3950;occ;  81;   0;42203
   8; 3905.0; 27-MAR-2010 10:22:46; Bright;  38.0;   89;  5Alp Cep  ; 2.45;  8000;occ;  76;   0;42203
   9; 4207.9; 27-MAR-2010 10:27:49; Bright;  44.5;  144; 18Del Cyg  ; 2.86; 11000;occ;  89;   0;42203
  10; 4311.8; 27-MAR-2010 10:29:33; Bright;  40.0;   66; 37Gam Cyg  ; 2.21;  5900;occ;  80;   0;42203
  11; 4426.7; 27-MAR-2010 10:31:28; Bright;  41.5;   92; 53Eps Cyg  ; 2.50;  4500;occ;  83;   0;42203
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  13; 5670.0; 27-MAR-2010 10:52:11; Dark  ;  59.5;    0;            ; 0.00;     0;occ; 119;   0;42203
  14; 5802.3; 27-MAR-2010 10:54:24; Dark  ;  55.5;   57; 34Sig Sgr  ; 2.07; 26000;occ; 111;   0;42203
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   6; 2963.8; 27-MAR-2010 11:47:41; Bright;  38.5;   36; 50Alp UMa  ; 1.80;  6300;occ;  77;   0;42204
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   8; 3904.6; 27-MAR-2010 12:03:22; Bright;  34.5;   89;  5Alp Cep  ; 2.45;  8000;occ;  69;   0;42204
   9; 4208.0; 27-MAR-2010 12:08:25; Bright;  42.0;  144; 18Del Cyg  ; 2.86; 11000;occ;  84;   0;42204
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  12; 4991.4; 27-MAR-2010 12:21:29; Dark  ;  59.0;   11; 53Alp Aql  ; 0.76;  8000;occ; 118;   0;42204
  13; 5670.7; 27-MAR-2010 12:32:48; Dark  ;  59.5;    0;            ; 0.00;     0;occ; 119;   0;42204
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   5; 2673.4; 27-MAR-2010 13:23:26; Bright;  38.5;  174; 52Psi UMa  ; 3.00;  4400;occ;  77;   0;42205
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  20; 6832.3; 27-MAR-2010 14:32:45; Dark  ;  45.0;   78;   Alp Lup  ; 2.30; 28000;occ;  90;   0;42206
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  22; 7098.9; 27-MAR-2010 14:37:12; Dark  ;  52.0;   54;  5The Cen  ; 2.06;  4500;occ; 104;   0;42206
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   3; 1893.0; 27-MAR-2010 14:51:02; Bright;  47.0;  121; 29Gam Vir  ; 2.74;  7200;occ;  94;   0;42206
   4; 2170.3; 27-MAR-2010 14:55:39; Bright;  42.5;   62; 94Bet Leo  ; 2.14;  9700;occ;  85;   0;42206
   5; 2260.0; 27-MAR-2010 14:57:09; Bright;  38.0;   96; 68Del Leo  ; 2.56;  9300;occ;  76;   0;42206
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  12; 4312.3; 27-MAR-2010 15:31:21; Bright;  43.0;   66; 37Gam Cyg  ; 2.21;  5900;occ;  86;   0;42206
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  14; 4993.2; 27-MAR-2010 15:42:42; Dark  ;  59.0;   11; 53Alp Aql  ; 0.76;  8000;occ; 118;   0;42206
  15; 5672.2; 27-MAR-2010 15:54:01; Dark  ;  59.5;    0;            ; 0.00;     0;occ; 119;   0;42206
  16; 5805.9; 27-MAR-2010 15:56:15; Dark  ;  57.5;   57; 34Sig Sgr  ; 2.07; 26000;occ; 115;   0;42206
  17; 6022.1; 27-MAR-2010 15:59:51; Dark  ;  52.5;   38; 20Eps Sgr  ; 1.84; 11000;occ; 105;   0;42206
  18; 6269.1; 27-MAR-2010 16:03:58; Dark  ;  55.0;   25; 35Lam Sco  ; 1.62; 28000;occ; 110;   0;42207
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   3;  239.5; 28-MAR-2010 00:27:04; Dark  ;  53.5;   25; 35Lam Sco  ; 1.62; 28000;occ; 107;   0;42212
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   5;  646.1; 28-MAR-2010 00:33:51; Dark  ;  50.0;    4;   Alp1Cen  ;-0.01;  5800;occ; 100;   0;42212
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   9; 1447.9; 28-MAR-2010 00:47:12; Dark  ;  46.0;  106;  9Bet Crv  ; 2.65;  5600;occ;  92;   0;42212
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  13; 2259.3; 28-MAR-2010 01:00:44; Bright;  40.5;   96; 68Del Leo  ; 2.56;  9300;occ;  81;   0;42212
  14; 2672.4; 28-MAR-2010 01:07:37; Bright;  37.5;  174; 52Psi UMa  ; 3.00;  4400;occ;  75;   0;42212
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   7; -182.5; 30-MAR-2010 07:39:48; Dark  ;  53.5;   57; 34Sig Sgr  ; 2.07; 26000;occ; 107;   0;42244
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   9;  283.8; 30-MAR-2010 07:47:34; Dark  ;  43.0;   25; 35Lam Sco  ; 1.62; 28000;occ;  86;   0;42245
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   9; 3345.5; 30-MAR-2010 15:20:59; Bright;  37.5;   60;  7Bet UMi  ; 2.08;  3950;occ;  75;   0;42249
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  13; 4312.8; 31-MAR-2010 20:07:17; Bright;  41.5;   66; 37Gam Cyg  ; 2.21;  5900;occ;  83;   0;42266
  14; 4433.6; 31-MAR-2010 20:09:18; Bright;  55.0;   92; 53Eps Cyg  ; 2.50;  4500;occ; 110;   0;42266
  15; 5718.1; 31-MAR-2010 20:30:43; Dark  ;  59.5;    0;            ; 0.00;     0;occ; 119;   0;42266
  16; 5882.5; 31-MAR-2010 20:33:27; Dark  ;  58.0;   57; 34Sig Sgr  ; 2.07; 26000;occ; 116;   0;42266
  17; 6097.3; 31-MAR-2010 20:37:02; Dark  ;  52.0;   38; 20Eps Sgr  ; 1.84; 11000;occ; 104;   0;42267
  18; 6325.7; 31-MAR-2010 20:40:50; Dark  ;  50.5;   40;   The Sco  ; 1.86;  7100;occ; 101;   0;42267
  19; 6549.6; 31-MAR-2010 20:44:34; Dark  ;  38.5;  134;   Bet TrA  ; 2.81;  6600;occ;  77;   0;42267
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20; 6708.4; 31-MAR-2010 20:47:13; Dark  ;  54.5;    4;   Alp1Cen  ;-0.01;  5800;occ; 109;   0;42267
21; 6872.1; 31-MAR-2010 20:49:57; Dark  ;  45.5;   78;   Alp Lup  ; 2.30; 28000;occ;  91;   0;42267
22; 6968.3; 31-MAR-2010 20:51:33; Dark  ;  47.0;   81;   Eta Cen  ; 2.36; 28000;occ;  94;   0;42267
23; 7133.0; 31-MAR-2010 20:54:18; Dark  ;   4.5;   54;  5The Cen  ; 2.06;  4500;occ;   9;   0;42267
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