GOMOS Daily Report 04-MAR-2008

Level 0 and Level 1 products

SUMMARY

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       - 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.

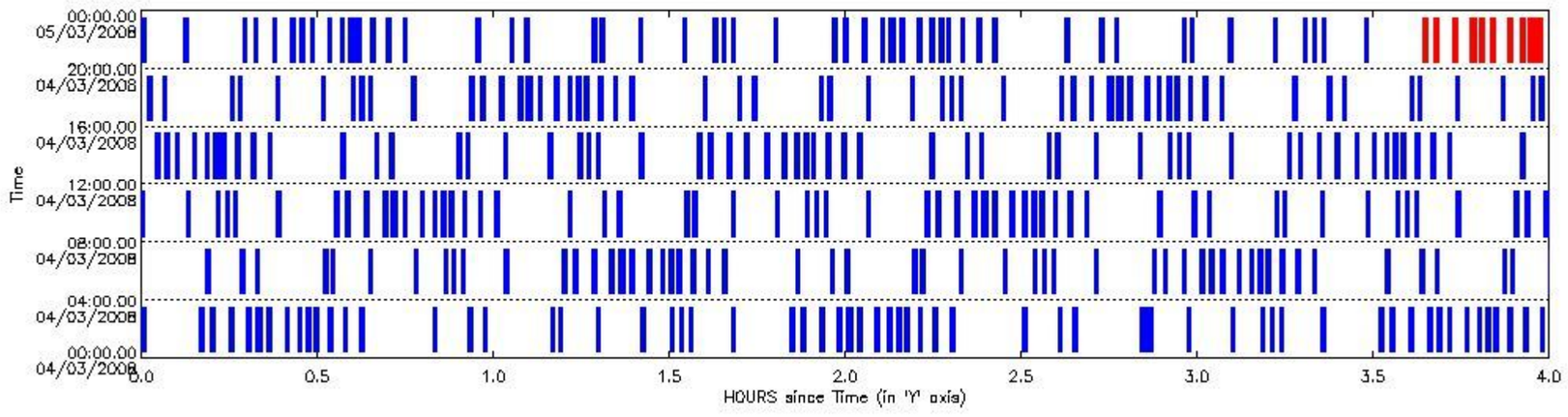
Item	Value
Time of report generation	07MAR2008 12:51:44
Data source version	GOMOS/5.00
Start time of products	04-MAR-2008 (04MAR2008 00:00:00)
Stop time of products	05-MAR-2008 (05MAR2008 00:00:00)
Store outputs in DB	No
Nb of level 1b prods	122
Nb of prods with errors	0

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
04-MAR-2008 23:38:21	41PiSgr	155	31432
04-MAR-2008 23:40:14	34SigSgr	57	31432
04-MAR-2008 23:43:27	20EpsSgr	38	31432
04-MAR-2008 23:46:31	35LamSco	25	31432
04-MAR-2008 23:48:02	DSA1024	0	31432
04-MAR-2008 23:49:56	BetAra	141	31433
04-MAR-2008 23:52:51	AlpTrA	43	31433
04-MAR-2008 23:55:03	GamTrA	145	31433
04-MAR-2008 23:56:31	Alp1Cen	4	31433
04-MAR-2008 23:57:49	BetCen	10	31433

2.4 Summary of processed GOM_TRA_1P products

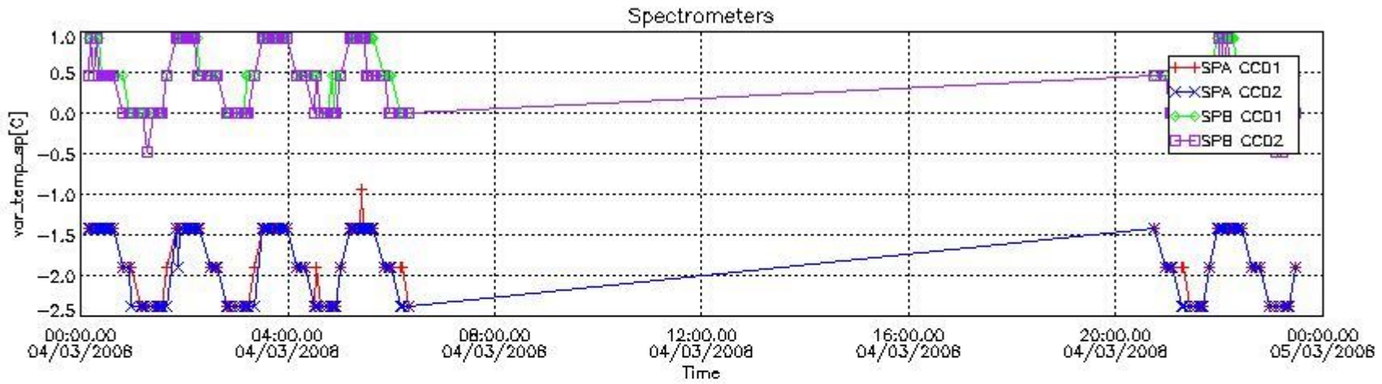
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20080304_000953_000000432066_00302_31418_5932.N1	04-MAR-2008 00:09:53	Dark	42.500	155	41Pi Sgr	2.9000	6600.0	85	31418	No

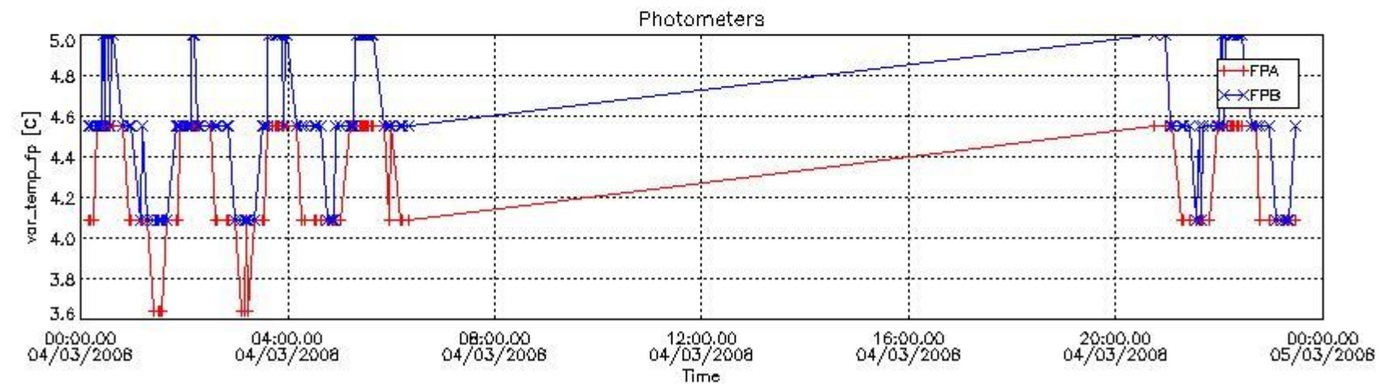
2	GOM_TRA_1PNPDE20080304_001145_000000422066_00302_31418_5933.N1	04-MAR-2008 00:11:45	Dark	41.500	57	34Sig Sgr	2.0660	26000.	83	31418	No
3	GOM_TRA_1PNPDE20080304_001456_000000432066_00302_31418_5934.N1	04-MAR-2008 00:14:56	Dark	42.500	38	20Eps Sgr	1.8360	11000.	85	31418	No
4	GOM_TRA_1PNPDE20080304_001757_000000472066_00302_31418_5935.N1	04-MAR-2008 00:17:57	Dark	46.500	25	35Lam Sco	1.6200	28000.	93	31418	No
5	GOM_TRA_1PNPDE20080304_002127_000000442066_00303_31419_5936.N1	04-MAR-2008 00:21:27	Dark	43.500	141	Bet Ara	2.8400	4600.0	87	31419	No
6	GOM_TRA_1PNPDE20080304_002424_000000472066_00303_31419_5937.N1	04-MAR-2008 00:24:24	Dark	46.500	43	Alp TrA	1.9100	4250.0	93	31419	No
7	GOM_TRA_1PNPDE20080304_002636_000000362066_00303_31419_5938.N1	04-MAR-2008 00:26:36	Dark	36.000	145	Gam TrA	2.8720	10600.	72	31419	No
8	GOM_TRA_1PNPDE20080304_002802_000000422066_00303_31419_5939.N1	04-MAR-2008 00:28:02	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	31419	No
9	GOM_TRA_1PNPDE20080304_002920_000000442066_00303_31419_5940.N1	04-MAR-2008 00:29:20	Dark	43.500	10	Bet Cen	0.61000	28000.	87	31419	No
10	GOM_TRA_1PNPDE20080304_003147_000000492066_00303_31419_5941.N1	04-MAR-2008 00:31:47	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	31419	No
11	GOM_TRA_1PNPDE20080304_003422_000000442066_00303_31419_5942.N1	04-MAR-2008 00:34:22	Dark	43.500	64	Gam Cen	2.2000	10600.	87	31419	No
12	GOM_TRA_1PNPDE20080304_003714_000000412066_00303_31419_5943.N1	04-MAR-2008 00:37:14	Straylight	40.500	113	Mu Vel	2.6920	5000.0	81	31419	No
13	GOM_TRA_1PNPDE20080304_004939_000000432066_00303_31419_5944.N1	04-MAR-2008 00:49:39	Twi_and_stray	42.500	48	30Alp Hya	1.9770	4100.0	85	31419	No
14	GOM_TRA_1PNPDE20080304_005538_000000402066_00303_31419_5945.N1	04-MAR-2008 00:55:38	Bright	40.000	22	32Alp Leo	1.3600	15200.	80	31419	No
15	GOM_TRA_1PNPDE20080304_005809_000000412066_00303_31419_5946.N1	04-MAR-2008 00:58:09	Bright	41.000	51	41Gam1Leo	2.0100	4500.0	82	31419	No
16	GOM_TRA_1PNPDE20080304_010942_000000412066_00303_31419_5947.N1	04-MAR-2008 01:09:42	Bright	41.000	82	48Bet UMa	2.3650	10600.	82	31419	No
17	GOM_TRA_1PNPDE20080304_011104_000000402066_00303_31419_5948.N1	04-MAR-2008 01:11:04	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	31419	No
18	GOM_TRA_1PNPDE20080304_011735_000000352066_00303_31419_5949.N1	04-MAR-2008 01:17:35	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	31419	No
19	GOM_TRA_1PNPDE20080304_012510_000000362066_00303_31419_5950.N1	04-MAR-2008 01:25:10	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	31419	No
20	GOM_TRA_1PNPDE20080304_013016_000000352066_00303_31419_5951.N1	04-MAR-2008 01:30:16	Bright	34.500	19	50Alp Cyg	1.2460	10500.	69	31419	No
21	GOM_TRA_1PNPDE20080304_013149_000000362066_00303_31419_5952.N1	04-MAR-2008 01:31:49	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	31419	No
22	GOM_TRA_1PNPDE20080304_013324_000000342066_00303_31419_5953.N1	04-MAR-2008 01:33:24	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	31419	No
23	GOM_TRA_1PNPDE20080304_014035_000000402066_00303_31419_5954.N1	04-MAR-2008 01:40:35	Bright	39.500	168	17Zet Aql	2.9860	11000.	79	31419	No
24	GOM_TRA_1PNPDE20080304_015030_000000452066_00303_31419_6087.N1	04-MAR-2008 01:50:30	Dark	44.500	155	41Pi Sgr	2.9000	6600.0	89	31419	No
25	GOM_TRA_1PNPDE20080304_015221_000000452066_00303_31419_6088.N1	04-MAR-2008 01:52:21	Dark	45.000	57	34Sig Sgr	2.0660	26000.	90	31419	No
26	GOM_TRA_1PNPDE20080304_015533_000000462066_00303_31419_6089.N1	04-MAR-2008 01:55:33	Dark	45.500	38	20Eps Sgr	1.8360	11000.	91	31419	No
27	GOM_TRA_1PNPDE20080304_015834_000000522066_00303_31419_6090.N1	04-MAR-2008 01:58:34	Dark	51.500	25	35Lam Sco	1.6200	28000.	103	31419	No
28	GOM_TRA_1PNPDE20080304_020203_000000422066_00304_31420_6091.N1	04-MAR-2008 02:02:03	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	31420	No
29	GOM_TRA_1PNPDE20080304_020501_000000412066_00304_31420_6092.N1	04-MAR-2008 02:05:01	Dark	41.000	43	Alp TrA	1.9100	4250.0	82	31420	No
30	GOM_TRA_1PNPDE20080304_020713_000000362066_00304_31420_6093.N1	04-MAR-2008 02:07:13	Dark	36.000	145	Gam TrA	2.8720	10600.	72	31420	No
31	GOM_TRA_1PNPDE20080304_020839_000000482066_00304_31420_6094.N1	04-MAR-2008 02:08:39	Dark	47.500	4	Alp1Cen	-0.010000	5800.0	95	31420	No
32	GOM_TRA_1PNPDE20080304_020957_000000512066_00304_31420_6095.N1	04-MAR-2008 02:09:57	Dark	51.000	10	Bet Cen	0.61000	28000.	102	31420	No
33	GOM_TRA_1PNPDE20080304_021223_000000412066_00304_31420_6096.N1	04-MAR-2008 02:12:23	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	31420	No
34	GOM_TRA_1PNPDE20080304_021459_000000432066_00304_31420_6097.N1	04-MAR-2008 02:14:59	Dark	43.000	64	Gam Cen	2.2000	10600.	86	31420	No
35	GOM_TRA_1PNPDE20080304_021751_000000412066_00304_31420_6098.N1	04-MAR-2008 02:17:51	Straylight	41.000	113	Mu Vel	2.6920	5000.0	82	31420	No
36	GOM_TRA_1PNPDE20080304_023016_000000442066_00304_31420_6099.N1	04-MAR-2008 02:30:16	Twi_and_stray	43.500	48	30Alp Hya	1.9770	4100.0	87	31420	No
37	GOM_TRA_1PNPDE20080304_023614_000000422066_00304_31420_6100.N1	04-MAR-2008 02:36:14	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	31420	No
38	GOM_TRA_1PNPDE20080304_023845_000000422066_00304_31420_6101.N1	04-MAR-2008 02:38:45	Bright	42.000	51	41Gam1Leo	2.0100	4500.0	84	31420	No
39	GOM_TRA_1PNPDE20080304_025017_000000572066_00304_31420_6102.N1	04-MAR-2008 02:50:17	Bright	57.000	82	48Bet UMa	2.3650	10600.	114	31420	No
40	GOM_TRA_1PNPDE20080304_025140_000000412066_00304_31420_6103.N1	04-MAR-2008 02:51:40	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	31420	No
41	GOM_TRA_1PNPDE20080304_025811_000000342066_00304_31420_6104.N1	04-MAR-2008 02:58:11	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	31420	No
42	GOM_TRA_1PNPDE20080304_030546_000000362066_00304_31420_6255.N1	04-MAR-2008 03:05:46	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31420	No
43	GOM_TRA_1PNPDE20080304_031052_000000342066_00304_31420_6256.N1	04-MAR-2008 03:10:52	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	31420	No
44	GOM_TRA_1PNPDE20080304_031225_000000352066_00304_31420_6257.N1	04-MAR-2008 03:12:25	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	31420	No
45	GOM_TRA_1PNPDE20080304_031400_000000342066_00304_31420_6258.N1	04-MAR-2008 03:14:00	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	31420	No
46	GOM_TRA_1PNPDE20080304_032111_000000412066_00304_31420_6259.N1	04-MAR-2008 03:21:11	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	31420	No
47	GOM_TRA_1PNPDE20080304_033106_000000442066_00304_31420_6260.N1	04-MAR-2008 03:31:06	Dark	44.000	155	41Pi Sgr	2.9000	6600.0	88	31420	No
48	GOM_TRA_1PNPDE20080304_033258_000000432066_00304_31420_6261.N1	04-MAR-2008 03:32:58	Dark	43.000	57	34Sig Sgr	2.0660	26000.	86	31420	No
49	GOM_TRA_1PNPDE20080304_033609_000000482066_00304_31420_6262.N1	04-MAR-2008 03:36:09	Dark	47.500	38	20Eps Sgr	1.8360	11000.	95	31420	No
50	GOM_TRA_1PNPDE20080304_033911_000000532066_00304_31420_6263.N1	04-MAR-2008 03:39:11	Dark	53.000	25	35Lam Sco	1.6200	28000.	106	31420	No
51	GOM_TRA_1PNPDE20080304_034240_000000422066_00305_31421_6264.N1	04-MAR-2008 03:42:40	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	31421	No
52	GOM_TRA_1PNPDE20080304_034537_000000432066_00305_31421_6265.N1	04-MAR-2008 03:45:37	Dark	42.500	43	Alp TrA	1.9100	4250.0	85	31421	No
53	GOM_TRA_1PNPDE20080304_034749_000000372066_00305_31421_6266.N1	04-MAR-2008 03:47:49	Dark	36.500	145	Gam TrA	2.8720	10600.	73	31421	No
54	GOM_TRA_1PNPDE20080304_034915_000000452066_00305_31421_6267.N1	04-MAR-2008 03:49:15	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	31421	No
55	GOM_TRA_1PNPDE20080304_035034_000000472066_00305_31421_6268.N1	04-MAR-2008 03:50:34	Dark	46.500	10	Bet Cen	0.61000	28000.	93	31421	No
56	GOM_TRA_1PNPDE20080304_035300_000000442066_00305_31421_6269.N1	04-MAR-2008 03:53:00	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	31421	No
57	GOM_TRA_1PNPDE20080304_035535_000000482066_00305_31421_6270.N1	04-MAR-2008 03:55:35	Dark	48.000	64	Gam Cen	2.2000	10600.	96	31421	No
58	GOM_TRA_1PNPDE20080304_035827_000000402066_00305_31421_6271.N1	04-MAR-2008 03:58:27	Straylight	39.500	113	Mu Vel	2.6920	5000.0	79	31421	No
59	GOM_TRA_1PNPDE20080304_041052_000000442066_00305_31421_6272.N1	04-MAR-2008 04:10:52	Twi_and_stray	43.500	48	30Alp Hya	1.9770	4100.0	87	31421	No
60	GOM_TRA_1PNPDE20080304_041650_000000422066_00305_31421_6273.N1	04-MAR-2008 04:16:50	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	31421	No

61	GOM_TRA_1PNPDE20080304_041921_000000422066_00305_31421_6274.N1	04-MAR-2008 04:19:21	Bright	41.500	51	41Gam1Leo	2.0100	4500.0	83	31421	No
62	GOM_TRA_1PNPDE20080304_043053_000000592066_00305_31421_6275.N1	04-MAR-2008 04:30:53	Bright	59.000	82	48Bet UMa	2.3650	10600.	118	31421	No
63	GOM_TRA_1PNPDE20080304_043216_000000422066_00305_31421_6276.N1	04-MAR-2008 04:32:16	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	31421	No
64	GOM_TRA_1PNPDE20080304_043847_000000362066_00305_31421_6277.N1	04-MAR-2008 04:38:47	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	31421	No
65	GOM_TRA_1PNPDE20080304_044622_000000362066_00305_31421_6408.N1	04-MAR-2008 04:46:22	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31421	No
66	GOM_TRA_1PNPDE20080304_045128_000000362066_00305_31421_6409.N1	04-MAR-2008 04:51:28	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	31421	No
67	GOM_TRA_1PNPDE20080304_045302_000000352066_00305_31421_6410.N1	04-MAR-2008 04:53:02	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	31421	No
68	GOM_TRA_1PNPDE20080304_045436_000000332066_00305_31421_6411.N1	04-MAR-2008 04:54:36	Bright	33.000	92	53Eps Cyg	2.5000	4500.0	66	31421	No
69	GOM_TRA_1PNPDE20080304_050148_000000402066_00305_31421_6412.N1	04-MAR-2008 05:01:48	Bright	39.500	168	17Zet Aql	2.9860	11000.	79	31421	No
70	GOM_TRA_1PNPDE20080304_051142_000000432066_00305_31421_6413.N1	04-MAR-2008 05:11:42	Dark	43.000	155	41Pi Sgr	2.9000	6600.0	86	31421	No
71	GOM_TRA_1PNPDE20080304_051334_000000452066_00305_31421_6414.N1	04-MAR-2008 05:13:34	Dark	44.500	57	34Sig Sgr	2.0660	26000.	89	31421	No
72	GOM_TRA_1PNPDE20080304_051646_000000482066_00305_31421_6415.N1	04-MAR-2008 05:16:46	Dark	48.000	38	20Eps Sgr	1.8360	11000.	96	31421	No
73	GOM_TRA_1PNPDE20080304_051948_000000512066_00305_31421_6416.N1	04-MAR-2008 05:19:48	Dark	51.000	25	35Lam Sco	1.6200	28000.	102	31421	No
74	GOM_TRA_1PNPDE20080304_052317_000000472066_00306_31422_6417.N1	04-MAR-2008 05:23:17	Dark	46.500	141	Bet Ara	2.8400	4600.0	93	31422	No
75	GOM_TRA_1PNPDE20080304_052614_000000472066_00306_31422_6418.N1	04-MAR-2008 05:26:14	Dark	46.500	43	Alp TrA	1.9100	4250.0	93	31422	No
76	GOM_TRA_1PNPDE20080304_052826_000000382066_00306_31422_6419.N1	04-MAR-2008 05:28:26	Dark	38.000	145	Gam TrA	2.8720	10600.	76	31422	No
77	GOM_TRA_1PNPDE20080304_052952_000000562066_00306_31422_6420.N1	04-MAR-2008 05:29:52	Dark	55.500	4	Alp1Cen	-0.010000	5800.0	111	31422	No
78	GOM_TRA_1PNPDE20080304_053110_000000482066_00306_31422_6421.N1	04-MAR-2008 05:31:10	Dark	47.500	10	Bet Cen	0.61000	28000.	95	31422	No
79	GOM_TRA_1PNPDE20080304_053336_000000462066_00306_31422_6422.N1	04-MAR-2008 05:33:36	Dark	46.000	12	Alp1Cru	0.77500	30000.	92	31422	No
80	GOM_TRA_1PNPDE20080304_053612_000000412066_00306_31422_6423.N1	04-MAR-2008 05:36:12	Dark	40.500	64	Gam Cen	2.2000	10600.	81	31422	No
81	GOM_TRA_1PNPDE20080304_053903_000000432066_00306_31422_6424.N1	04-MAR-2008 05:39:03	Straylight	43.000	113	Mu Vel	2.6920	5000.0	86	31422	No
82	GOM_TRA_1PNPDE20080304_055128_000000432066_00306_31422_6425.N1	04-MAR-2008 05:51:28	Twi_and_stray	43.000	48	30Alp Hya	1.9770	4100.0	86	31422	No
83	GOM_TRA_1PNPDE20080304_055726_000000422066_00306_31422_6426.N1	04-MAR-2008 05:57:26	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	31422	No
84	GOM_TRA_1PNPDE20080304_055957_000000422066_00306_31422_6427.N1	04-MAR-2008 05:59:57	Bright	41.500	51	41Gam1Leo	2.0100	4500.0	83	31422	No
85	GOM_TRA_1PNPDE20080304_061128_000000402066_00306_31422_6428.N1	04-MAR-2008 06:11:28	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	31422	No
86	GOM_TRA_1PNPDE20080304_061251_000000412066_00306_31422_6429.N1	04-MAR-2008 06:12:51	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	31422	No
87	GOM_TRA_1PNPDE20080304_061923_000000352066_00306_31422_6430.N1	04-MAR-2008 06:19:23	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	31422	No
88	GOM_TRA_1PNPDE20080304_204429_000000412066_00315_31431_6882.N1	04-MAR-2008 20:44:29	Straylight	40.500	113	Mu Vel	2.6920	5000.0	81	31431	No
89	GOM_TRA_1PNPDE20080304_205653_000000482066_00315_31431_6883.N1	04-MAR-2008 20:56:53	Twi_and_stray	47.500	48	30Alp Hya	1.9770	4100.0	95	31431	No
90	GOM_TRA_1PNPDE20080304_210248_000000412066_00315_31431_6884.N1	04-MAR-2008 21:02:48	Bright	40.500	22	32Alp Leo	1.3600	15200.	81	31431	No
91	GOM_TRA_1PNPDE20080304_210518_000000402066_00315_31431_6885.N1	04-MAR-2008 21:05:18	Bright	40.000	51	41Gam1Leo	2.0100	4500.0	80	31431	No
92	GOM_TRA_1PNPDE20080304_211648_000000402066_00315_31431_6886.N1	04-MAR-2008 21:16:48	Bright	40.000	82	48Bet UMa	2.3650	10600.	80	31431	No
93	GOM_TRA_1PNPDE20080304_211811_000000412066_00315_31431_6887.N1	04-MAR-2008 21:18:11	Bright	41.000	36	50Alp UMa	1.8000	6300.0	82	31431	No
94	GOM_TRA_1PNPDE20080304_212446_000000362066_00315_31431_6888.N1	04-MAR-2008 21:24:46	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	31431	No
95	GOM_TRA_1PNPDE20080304_213223_000000362066_00315_31431_6889.N1	04-MAR-2008 21:32:23	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	31431	No
96	GOM_TRA_1PNPDE20080304_213728_000000372066_00315_31431_6890.N1	04-MAR-2008 21:37:28	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	31431	No
97	GOM_TRA_1PNPDE20080304_213902_000000372066_00315_31431_6891.N1	04-MAR-2008 21:39:02	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	31431	No
98	GOM_TRA_1PNPDE20080304_214037_000000362066_00315_31431_6892.N1	04-MAR-2008 21:40:37	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	31431	No
99	GOM_TRA_1PNPDE20080304_214751_000000412066_00315_31431_6893.N1	04-MAR-2008 21:47:51	Bright	40.500	168	17Zet Aql	2.9860	11000.	81	31431	No
100	GOM_TRA_1PNPDE20080304_215747_000000422066_00315_31431_6857.N1	04-MAR-2008 21:57:47	Dark	42.000	155	41Pi Sgr	2.9000	6600.0	84	31431	No
101	GOM_TRA_1PNPDE20080304_215940_000000422066_00315_31431_6858.N1	04-MAR-2008 21:59:40	Dark	42.000	57	34Sig Sgr	2.0660	26000.	84	31431	No
102	GOM_TRA_1PNPDE20080304_220252_000000422066_00315_31431_6859.N1	04-MAR-2008 22:02:52	Dark	41.500	38	20Eps Sgr	1.8360	11000.	83	31431	No
103	GOM_TRA_1PNPDE20080304_220556_000000472066_00315_31431_6860.N1	04-MAR-2008 22:05:56	Dark	46.500	25	35Lam Sco	1.6200	28000.	93	31431	No
104	GOM_TRA_1PNPDE20080304_220922_000000402066_00316_31432_6861.N1	04-MAR-2008 22:09:22	Dark	39.500	141	Bet Ara	2.8400	4600.0	79	31432	No
105	GOM_TRA_1PNPDE20080304_221217_000000392066_00316_31432_6862.N1	04-MAR-2008 22:12:17	Dark	39.000	43	Alp TrA	1.9100	4250.0	78	31432	No
106	GOM_TRA_1PNPDE20080304_221429_000000362066_00316_31432_6863.N1	04-MAR-2008 22:14:29	Dark	36.000	145	Gam TrA	2.8720	10600.	72	31432	No
107	GOM_TRA_1PNPDE20080304_221557_000000432066_00316_31432_6864.N1	04-MAR-2008 22:15:57	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	31432	No
108	GOM_TRA_1PNPDE20080304_221715_000000402066_00316_31432_6865.N1	04-MAR-2008 22:17:15	Dark	39.500	10	Bet Cen	0.61000	28000.	79	31432	No
109	GOM_TRA_1PNPDE20080304_221940_000000402066_00316_31432_6866.N1	04-MAR-2008 22:19:40	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	31432	No
110	GOM_TRA_1PNPDE20080304_222217_000000492066_00316_31432_6867.N1	04-MAR-2008 22:22:17	Dark	48.500	64	Gam Cen	2.2000	10600.	97	31432	No
111	GOM_TRA_1PNPDE20080304_222506_000000422066_00316_31432_6868.N1	04-MAR-2008 22:25:06	Straylight	42.000	113	Mu Vel	2.6920	5000.0	84	31432	No
112	GOM_TRA_1PNPDE20080304_223729_000000442066_00316_31432_6869.N1	04-MAR-2008 22:37:29	Twi_and_stray	43.500	48	30Alp Hya	1.9770	4100.0	87	31432	No
113	GOM_TRA_1PNPDE20080304_224324_000000422066_00316_31432_6870.N1	04-MAR-2008 22:43:24	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	31432	No
114	GOM_TRA_1PNPDE20080304_224554_000000402066_00316_31432_6871.N1	04-MAR-2008 22:45:54	Bright	39.500	51	41Gam1Leo	2.0100	4500.0	79	31432	No
115	GOM_TRA_1PNPDE20080304_225724_000000402066_00316_31432_6872.N1	04-MAR-2008 22:57:24	Bright	40.000	82	48Bet UMa	2.3650	10600.	80	31432	No
116	GOM_TRA_1PNPDE20080304_225847_000000402066_00316_31432_6873.N1	04-MAR-2008 22:58:47	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	31432	No
117	GOM_TRA_1PNPDE20080304_230522_000000382066_00316_31432_6874.N1	04-MAR-2008 23:05:22	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	31432	No
118	GOM_TRA_1PNPDE20080304_231259_000000362066_00316_31432_6875.N1	04-MAR-2008 23:12:59	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	31432	No
119	GOM_TRA_1PNPDE20080304_231804_000000362066_00316_31432_6876.N1	04-MAR-2008 23:18:04	Bright	35.500	19	50Alp Cyg	1.2460	10500.	71	31432	No

120	GOM_TRA_1PNPDE20080304_231938_000000342066_00316_31432_6877.N1	04-MAR-2008 23:19:38	Bright	34.000	66	37Gam Cyg	2.2080	5900.0	68	31432	No
121	GOM_TRA_1PNPDE20080304_232113_000000342066_00316_31432_6878.N1	04-MAR-2008 23:21:13	Bright	33.500	92	53Eps Cyg	2.5000	4500.0	67	31432	No
122	GOM_TRA_1PNPDE20080304_232827_000000422066_00316_31432_6879.N1	04-MAR-2008 23:28:27	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	31432	No

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





4. Overview of dark signal processing per product

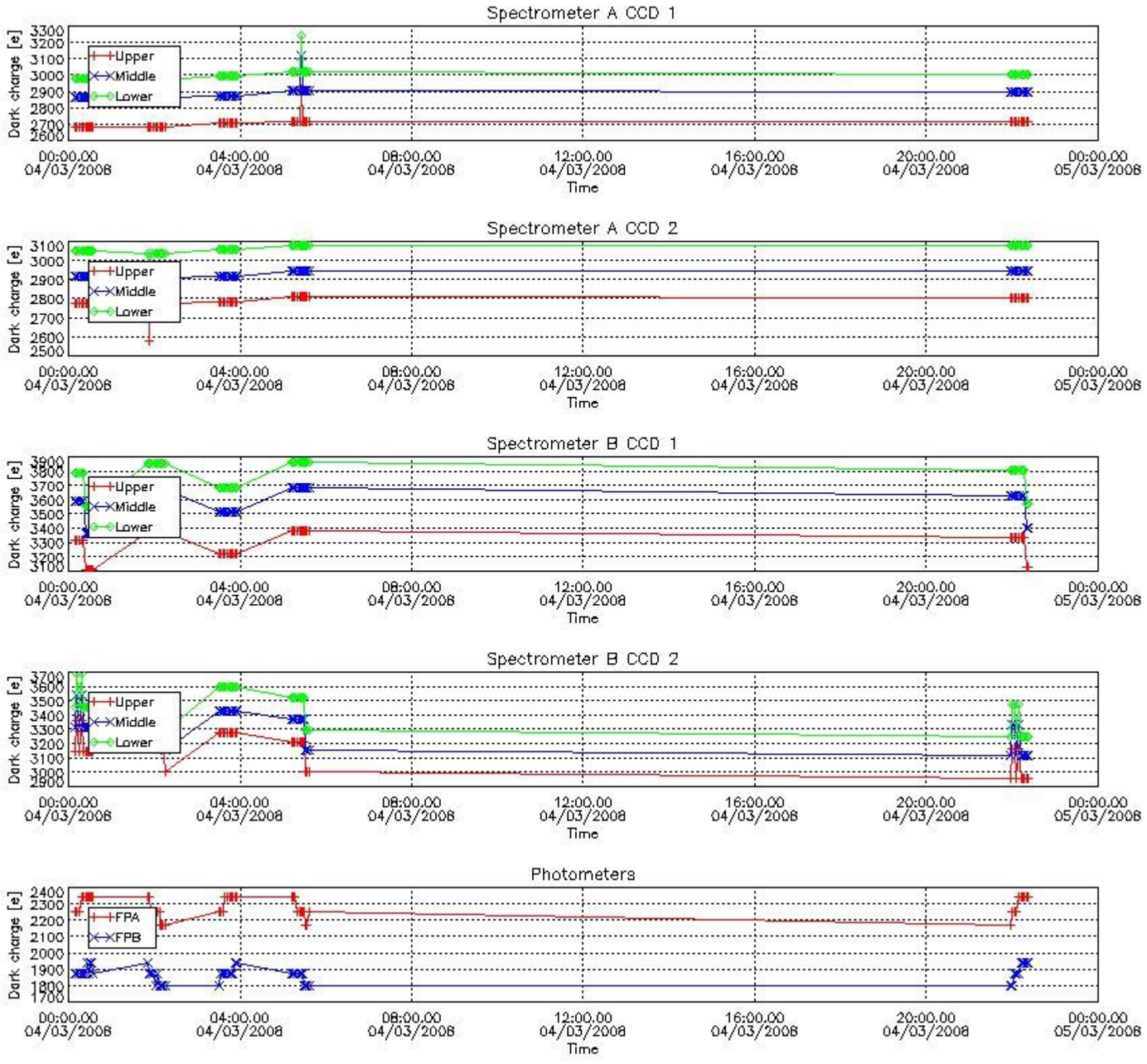
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore substracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20080304_204429_000000412066_00315_31431_6882.N1	DC map used
GOM_TRA_1PNPDE20080304_205653_000000482066_00315_31431_6883.N1	DC map used
GOM_TRA_1PNPDE20080304_210248_000000412066_00315_31431_6884.N1	DC map used
GOM_TRA_1PNPDE20080304_210518_000000402066_00315_31431_6885.N1	DC map used
GOM_TRA_1PNPDE20080304_211648_000000402066_00315_31431_6886.N1	DC map used
GOM_TRA_1PNPDE20080304_211811_000000412066_00315_31431_6887.N1	DC map used
GOM_TRA_1PNPDE20080304_212446_000000362066_00315_31431_6888.N1	DC map used

GOM_TRA_1PNPDE20080304_213223_000000362066_00315_31431_6889.N1	DC map used
GOM_TRA_1PNPDE20080304_213728_000000372066_00315_31431_6890.N1	DC map used
GOM_TRA_1PNPDE20080304_213902_000000372066_00315_31431_6891.N1	DC map used
GOM_TRA_1PNPDE20080304_214037_000000362066_00315_31431_6892.N1	DC map used
GOM_TRA_1PNPDE20080304_214751_000000412066_00315_31431_6893.N1	DC map used

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



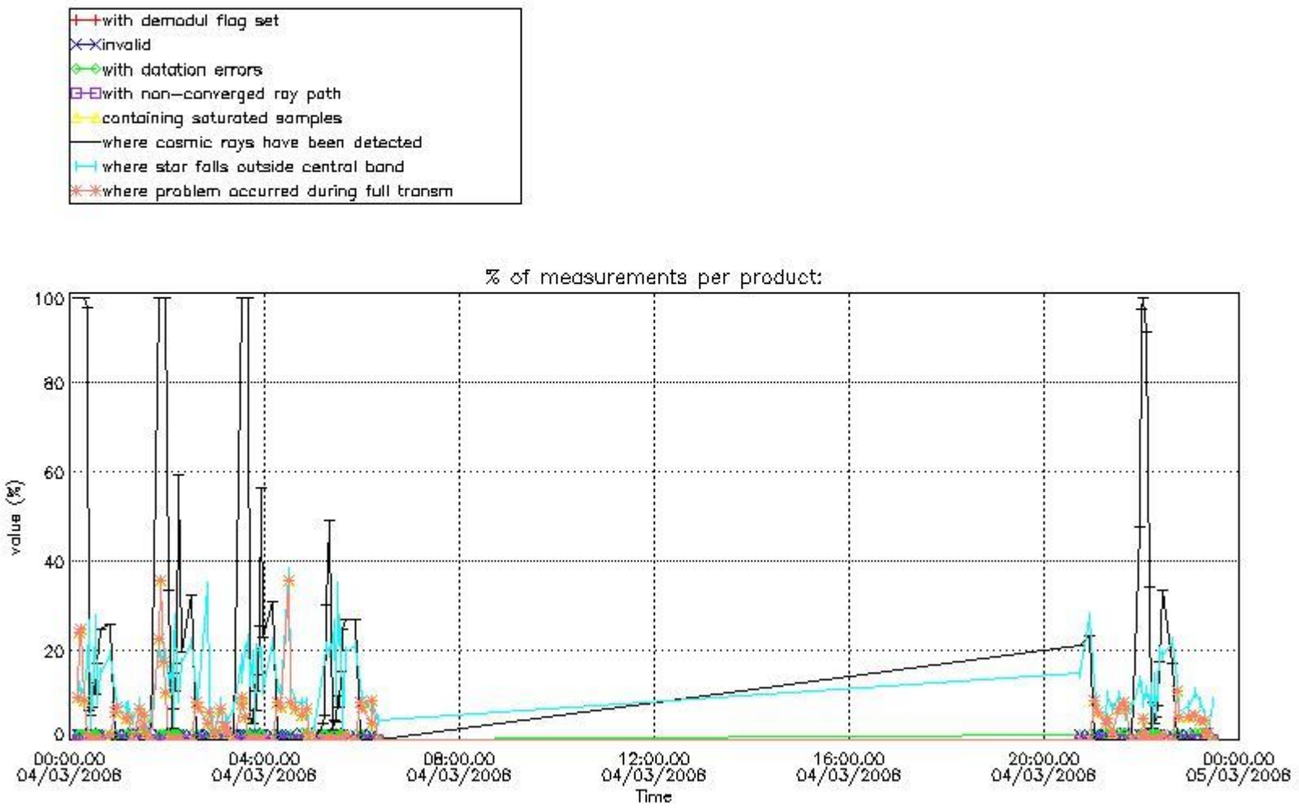
5. Demodulation flag and quality information monitoring

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:

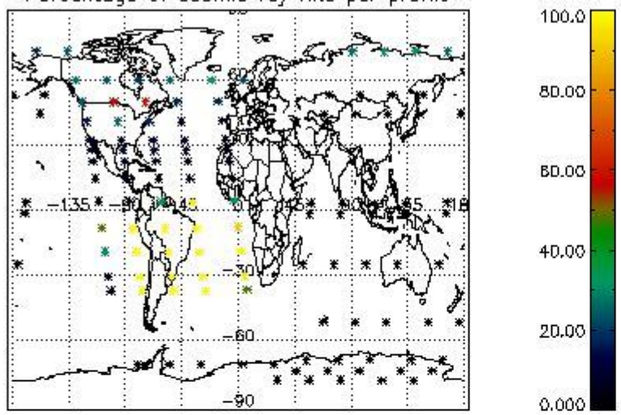
At least one measurement with demodulation flag set:	19.6721 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)

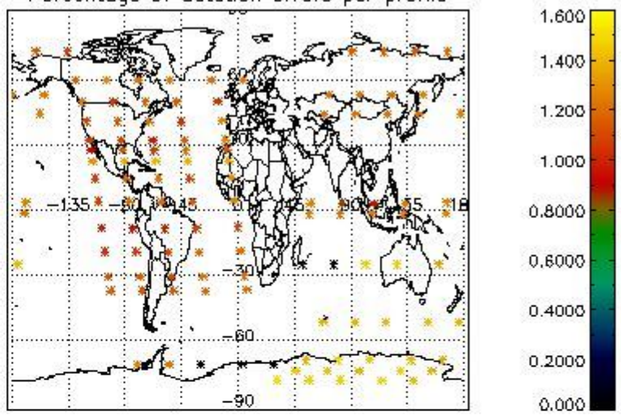


5.3 Plot quality information per product (world map)

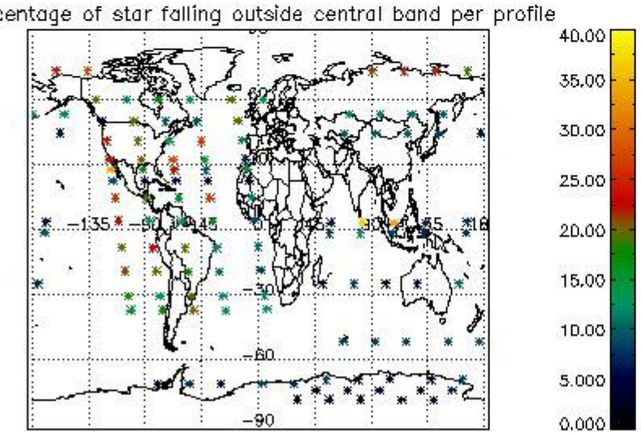
Percentage of cosmic ray hits per profile



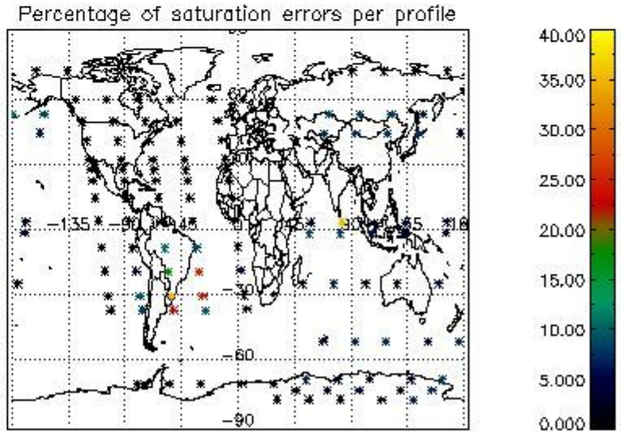
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



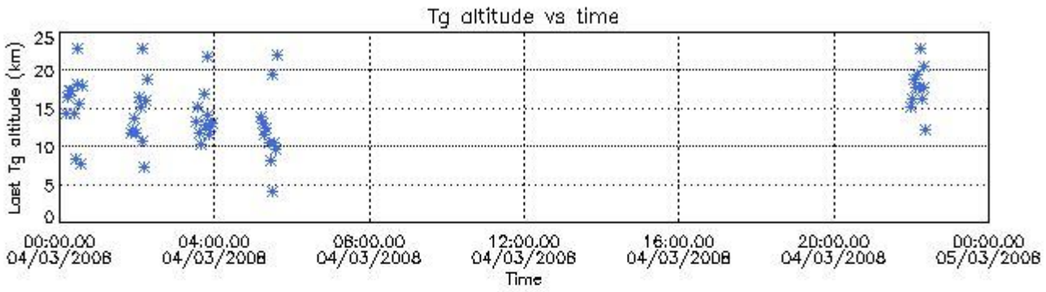
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

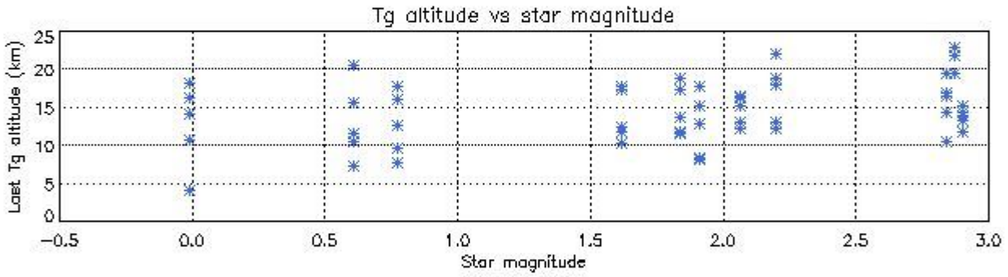
6.1 Statistics on tangent altitude lost:

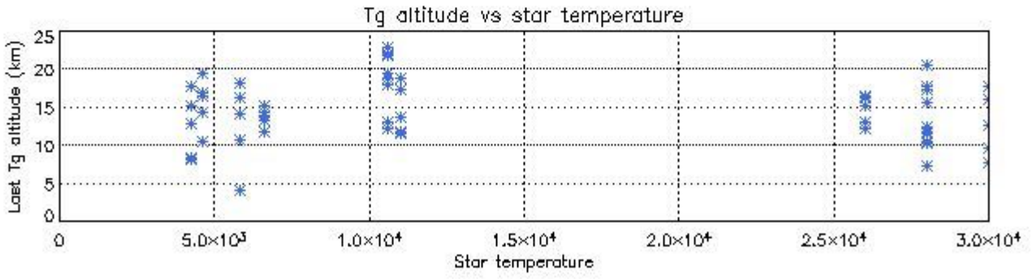
Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.732	20.011	NaN
St. deviation:	4.2513	4.0476	NaN
Maximum:	22.944	26.425	NaN
Minimum:	4.0389	3.1288	NaN
Number of data:	55.000	55.000	NaN

6.2 Plot for DARK limb products

Tangent altitude at which the star is lost

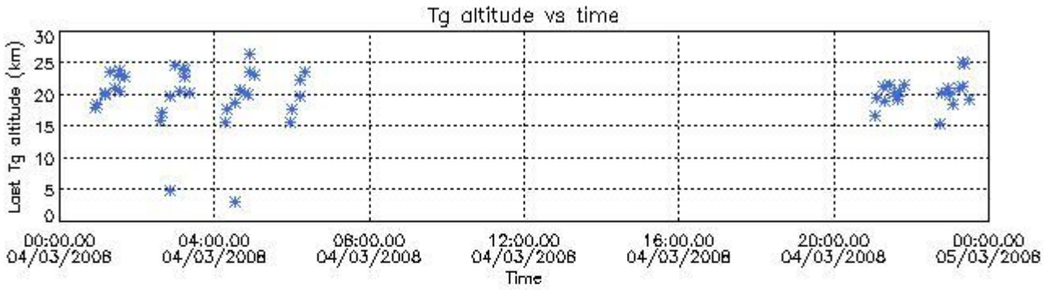


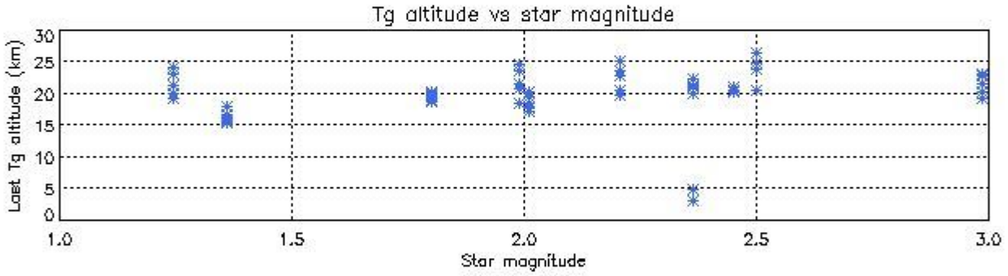


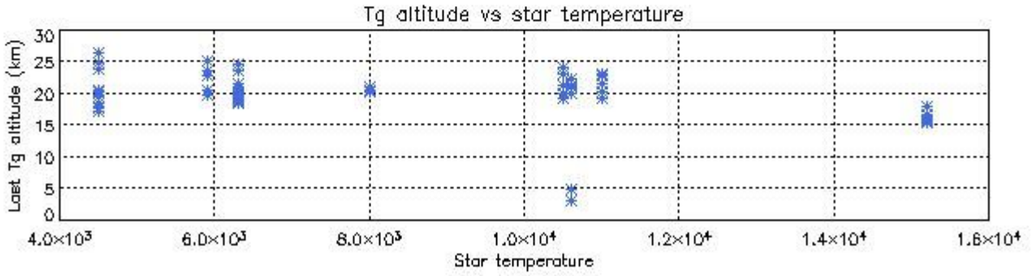


6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost





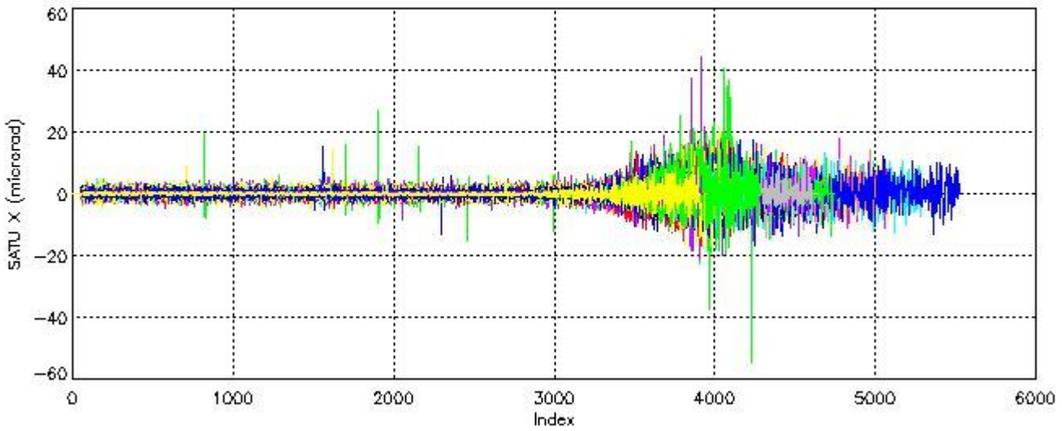


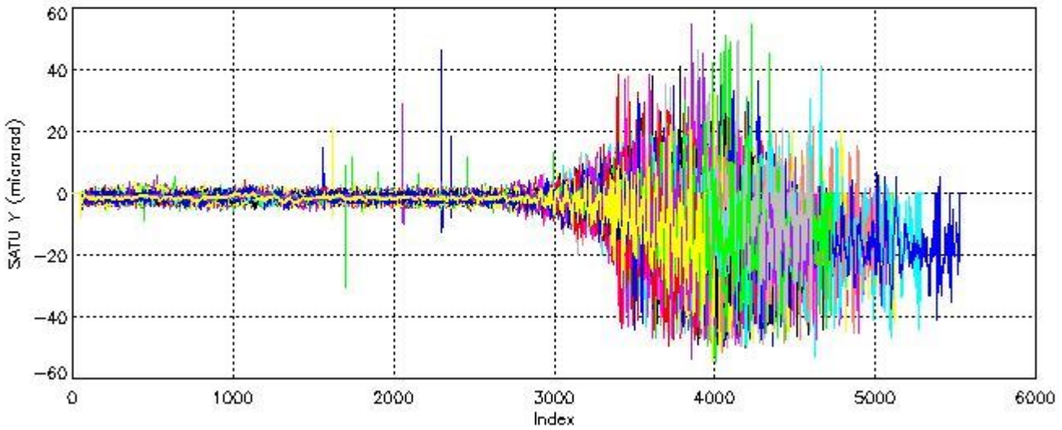
7. Star Acquisition and Tracking Unit (SATU)

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:	0.12043	-1.2581	0.11883	-1.2830
St. deviation:	0.50331	0.68752	0.63368	0.92794
Maximum:	19.600	5.9000	4.7000	4.4000
Minimum:	-7.7000	-8.8000	-5.0000	-7.7000

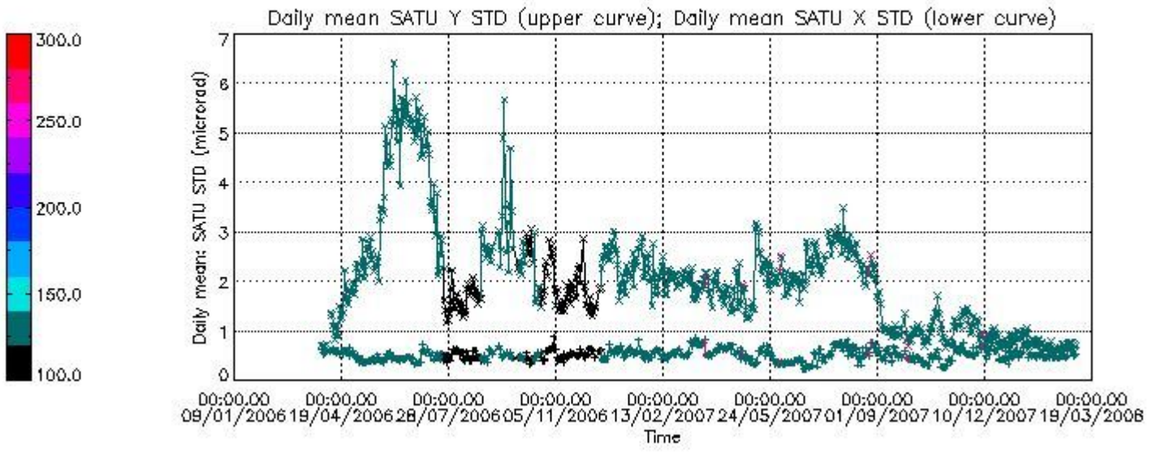
Number of data:	52050.	52050.	47300.	47300.

7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

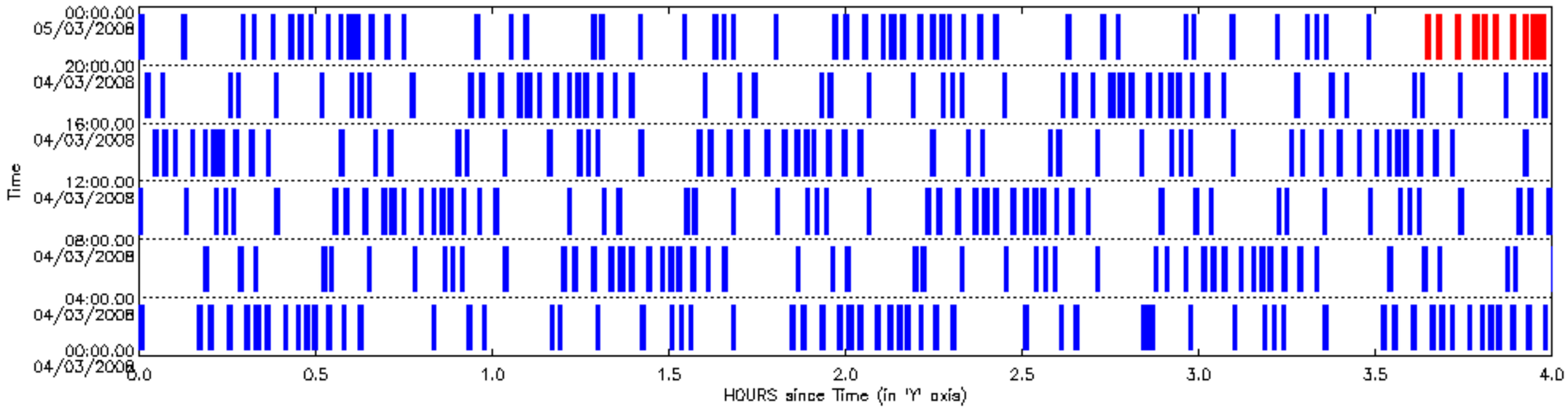
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

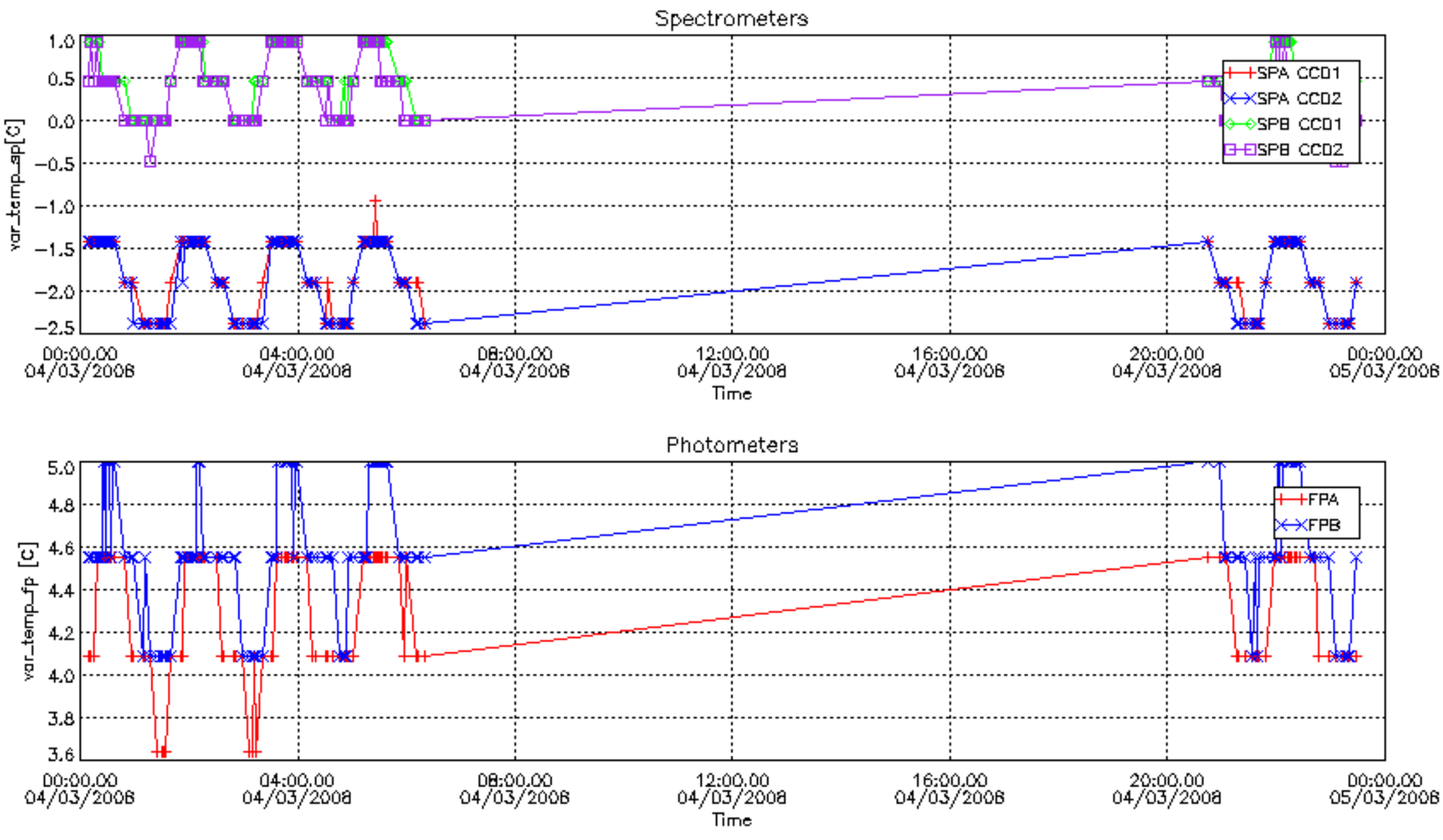


8. Auxiliary Data Files used for the production reported in section 2.4

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	04-MAR-2008 00:09:53
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080222_094723_20080220_000000_20100101_000000	1	04-MAR-2008 00:09:53
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	04-MAR-2008 00:09:53
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-MAR-2008 00:09:53
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	04-MAR-2008 00:09:53
ECMWF_FILE	AUX_ECF_AXNECM20080303_073110_20080303_210000_20080304_090000	1	04-MAR-2008 00:09:53
ECMWF_FILE	AUX_ECF_AXNECM20080304_073109_20080304_150000_20080305_030000	88	04-MAR-2008 20:44:29
ECMWF_FILE	AUX_ECF_AXNECM20080304_073109_20080304_210000_20080305_090000	100	04-MAR-2008 21:57:47
OPTIONAL_ECMWF_FILE	MISSING	1	04-MAR-2008 00:09:53
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20080303_222435_000057382066_00301_31417_5269.N1	1	04-MAR-2008 00:09:53
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20080304_000532_000057382066_00302_31418_5270.N1	24	04-MAR-2008 01:50:30
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20080304_014630_000041442066_00303_31419_5271.N1	42	04-MAR-2008 03:05:46
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20080304_030053_000057382066_00304_31420_5272.N1	65	04-MAR-2008 04:46:22
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20080304_204331_000038252066_00315_31431_5274.N1	88	04-MAR-2008 20:44:29
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20080304_215235_000057382066_00315_31431_5275.N1	100	04-MAR-2008 21:57:47


00:00.00
05/03/2008
20:00.00
04/03/2008
16:00.00
04/03/2008
12:00.00
04/03/2008
08:00.00
04/03/2008
04:00.00
04/03/2008
00:00.00
04/03/2008
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]
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
SPA CCD1
SPA CCD2
SPB CCD1
SPB CCD2
00:00.00
04/03/2008
04:00.00
04/03/2008
08:00.00
04/03/2008
12:00.00
04/03/2008
16:00.00
04/03/2008
20:00.00
04/03/2008
00:00.00
05/03/2008
Time
Photometers
var_temp_fp [C]
5.0
4.8
4.6
4.4
4.2
4.0
3.8
3.6
FPA
FPB
00:00.00
04/03/2008
04:00.00
04/03/2008
08:00.00
04/03/2008
12:00.00
04/03/2008
16:00.00
04/03/2008
20:00.00
04/03/2008
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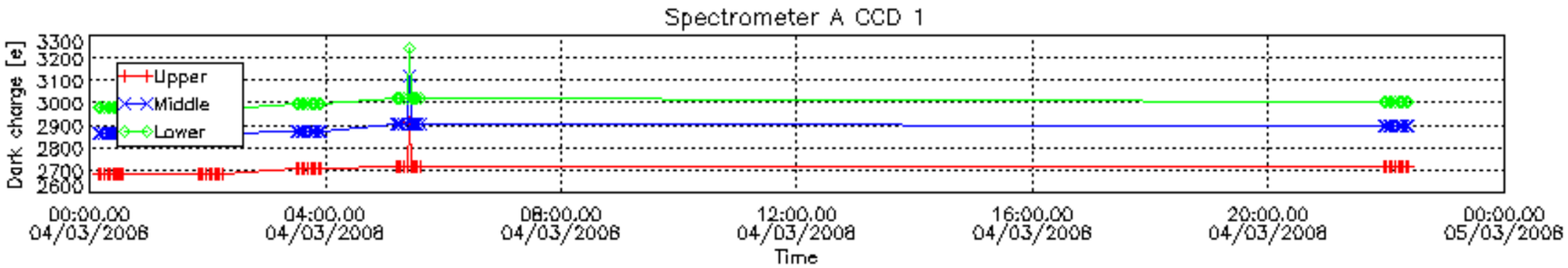
05/03/2008
Time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Upper
Middle
Lower
Time
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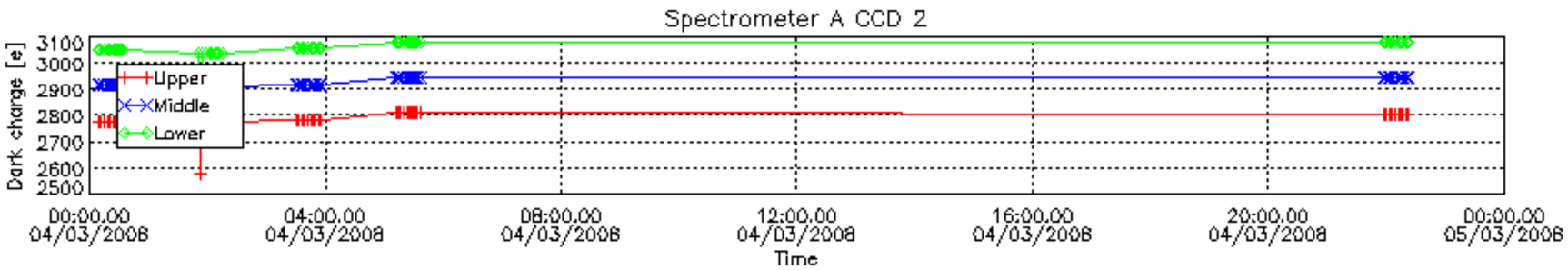
20:00.00 04/03/2008
00:00.00 05/03/2008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Dark charge [e]
Upper
Middle
Lower
Time
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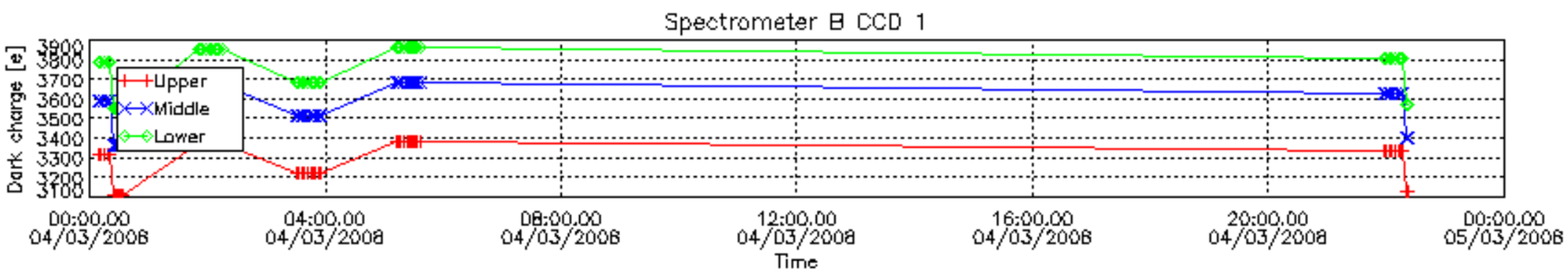
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Dark charge [e]
Upper
Middle
Lower
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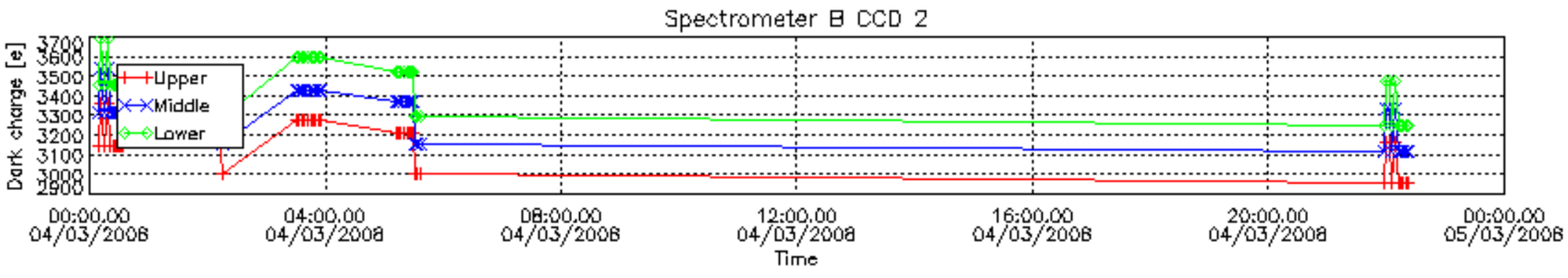
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Upper
Middle
Lower
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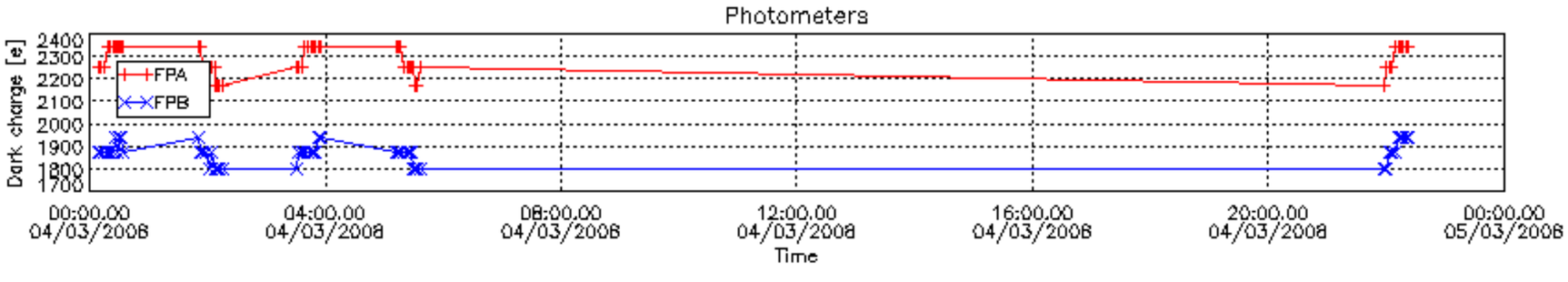
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FPB
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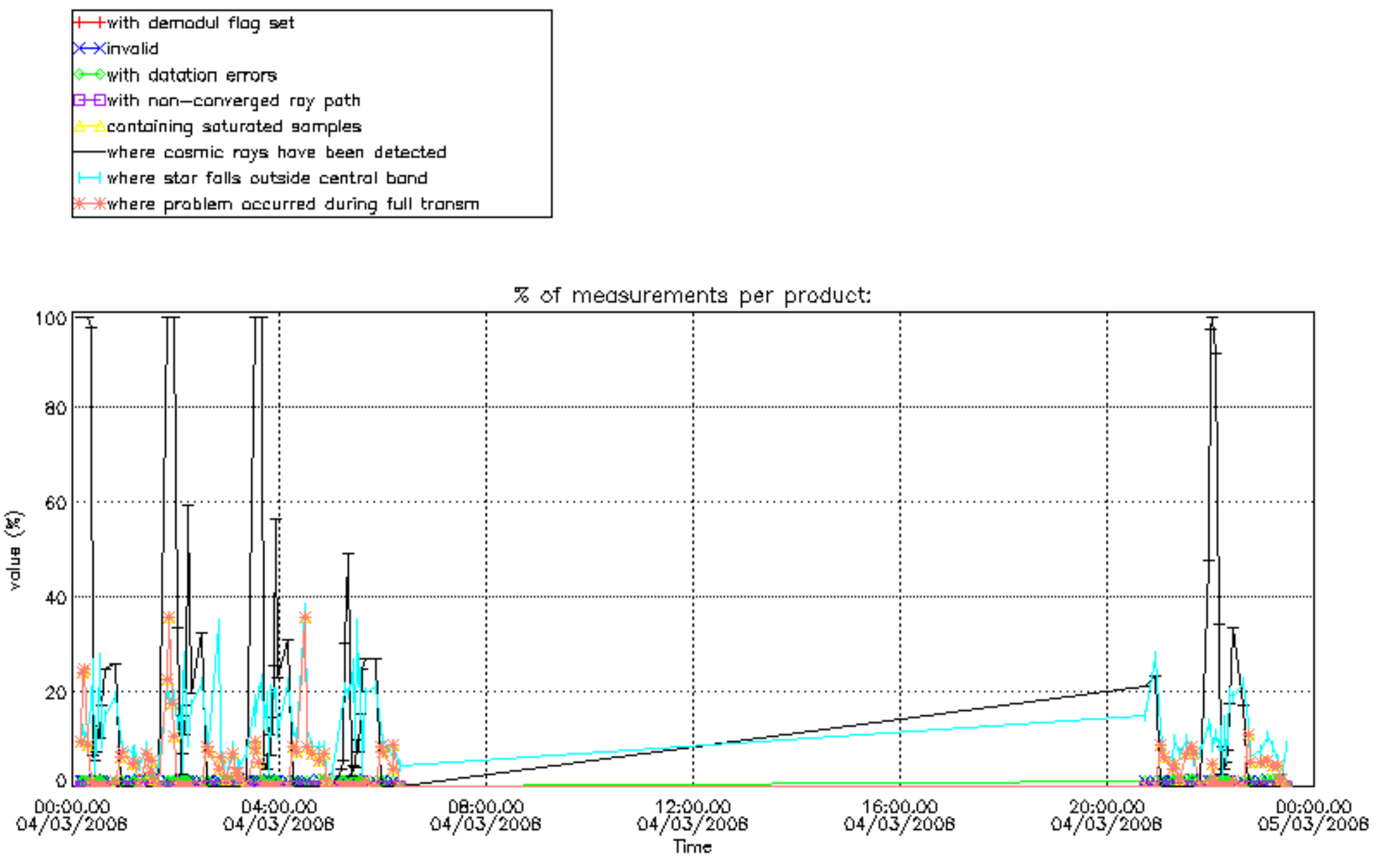
with demodul flag set
invalid
with datation errors
with non-converged ray path
containing saturated samples
where cosmic rays have been detected
where star falls outside central band
where problem occurred during full transm
% of measurements per product:
100
80
60
40
20
0
value (%)
00:00.00
04/03/2006
04:00.00
04/03/2006
08:00.00
04/03/2006
12:00.00
04/03/2006
16:00.00
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04/03/2006
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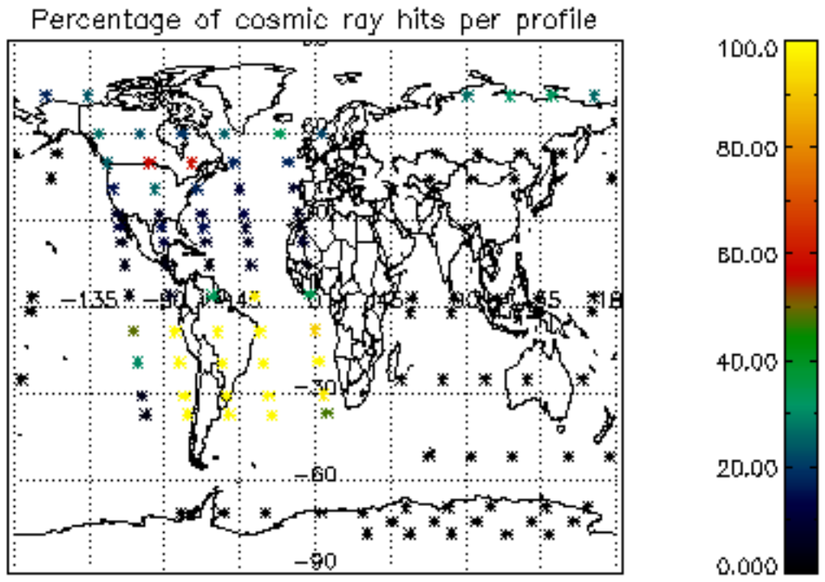
05/03/2006
Time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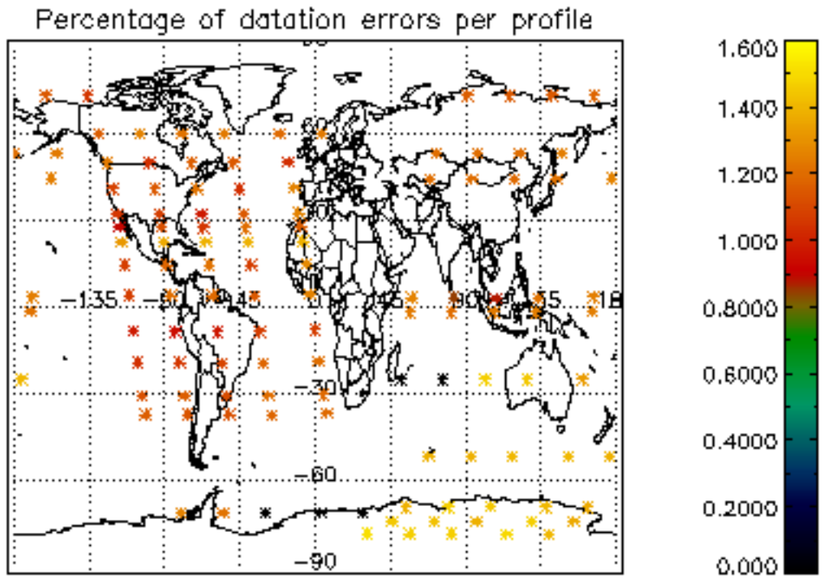
80.00
60.00
40.00
20.00
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90


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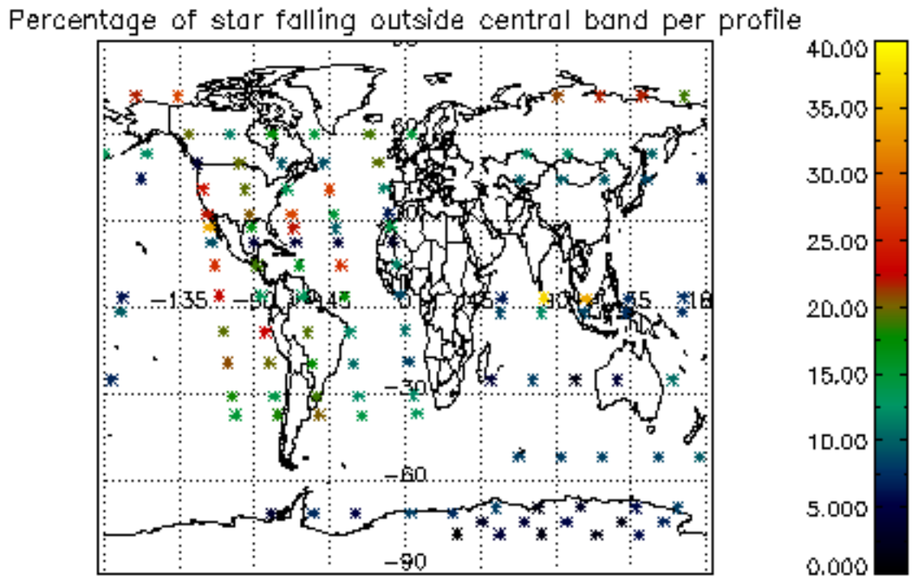
−90
−45
0
45
90
135
180
−30
−60
−90


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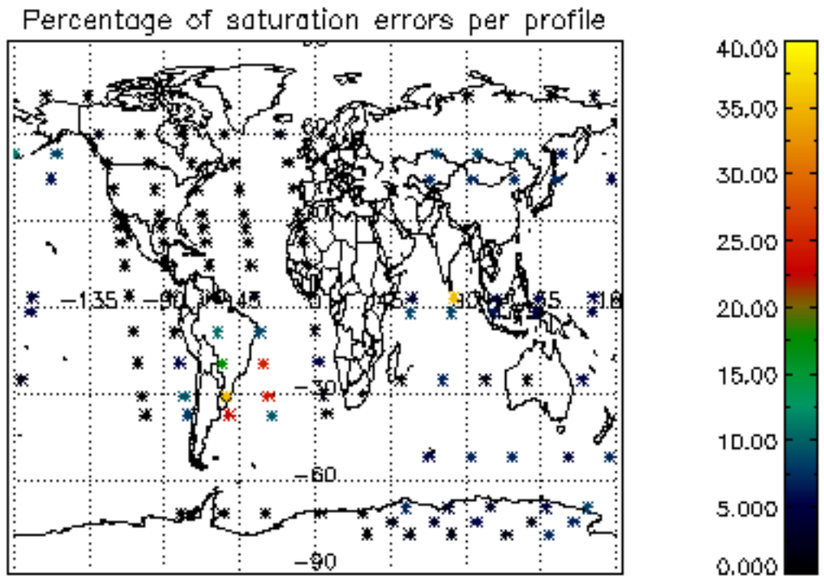
35.00
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90


Percentage of saturation errors per profile
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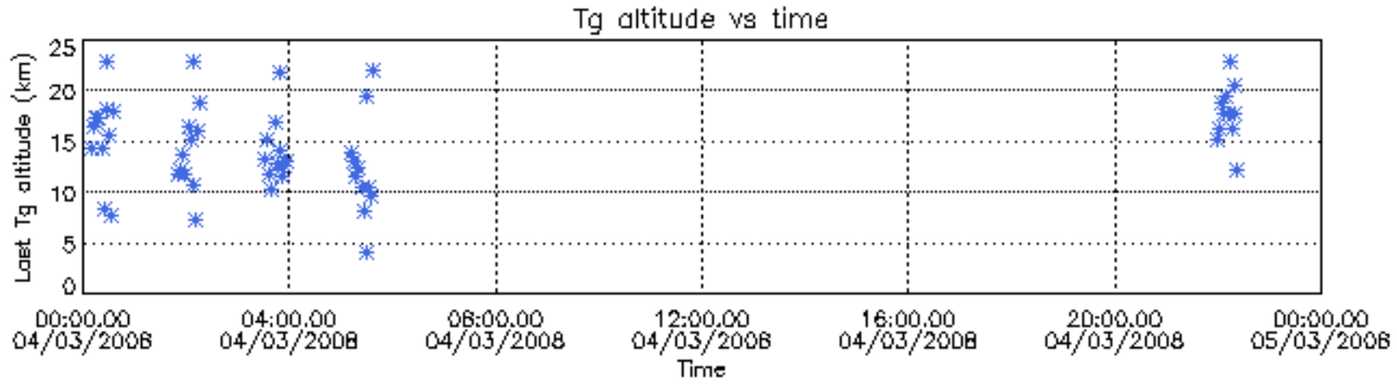
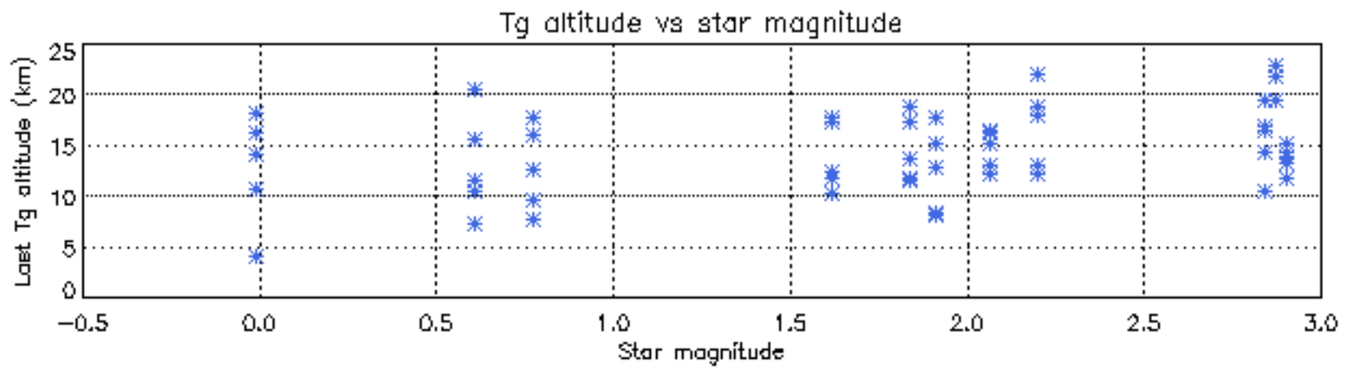
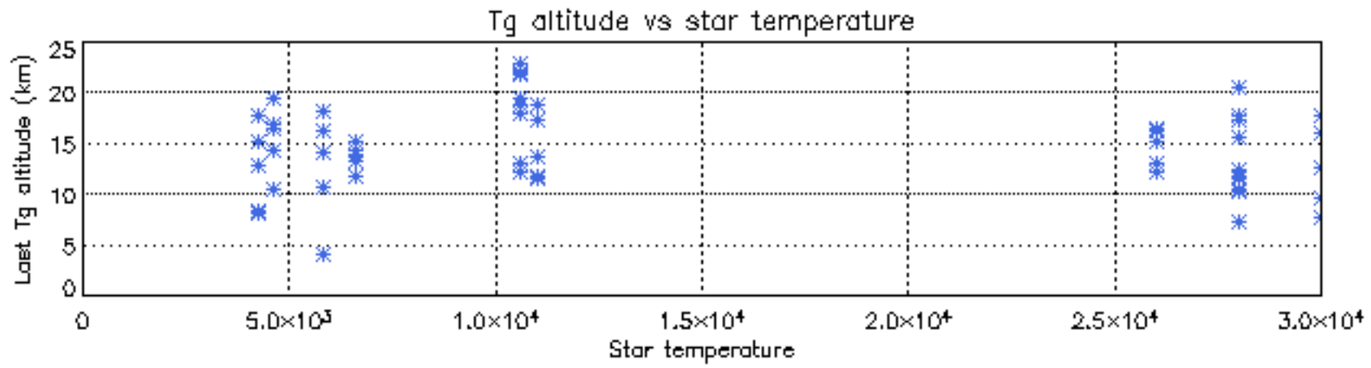
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−45
0
45
90
135
180
−30
−60
−90

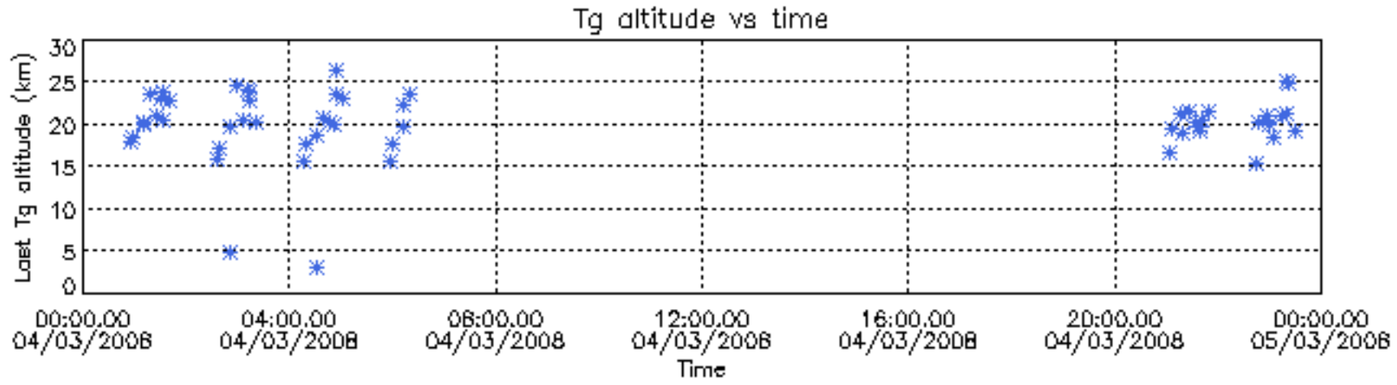
Tangent altitude at which the star is lost

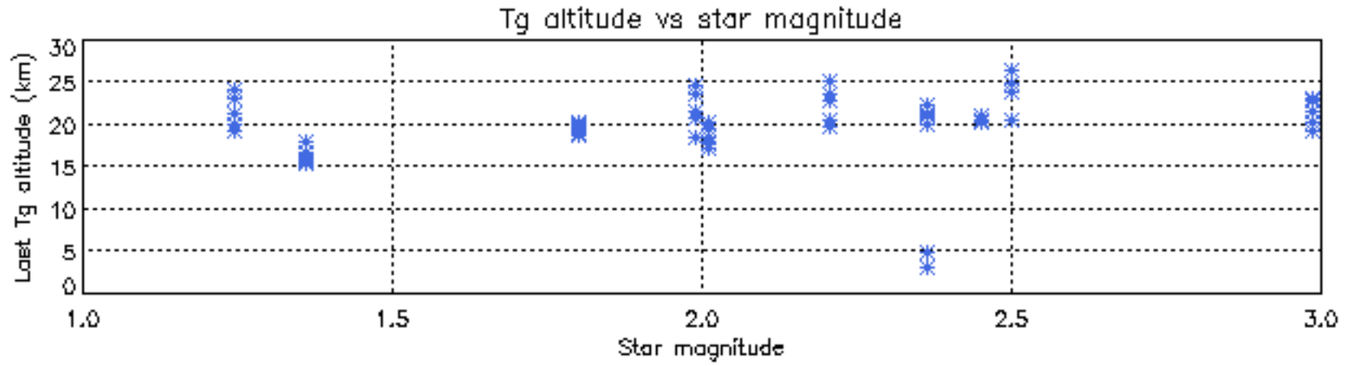


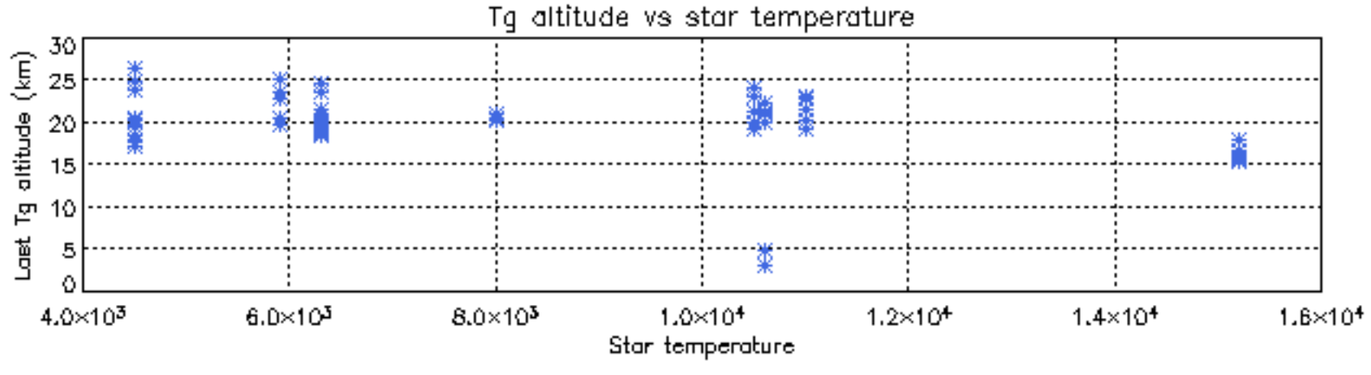


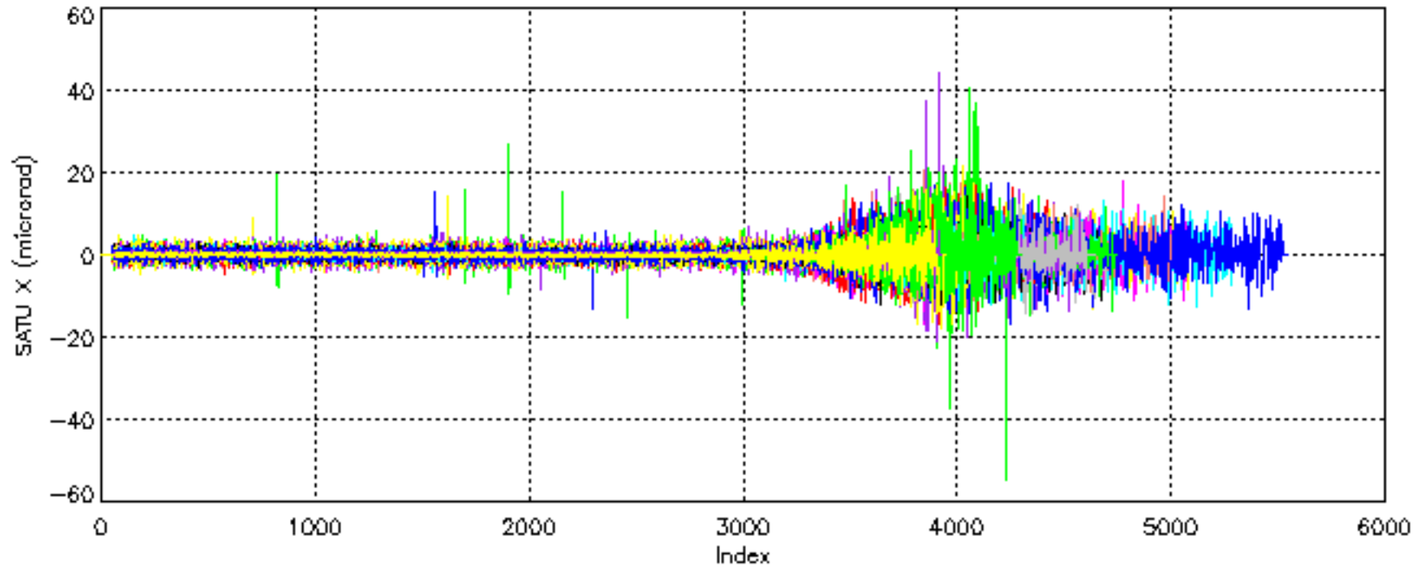


Tangent altitude at which the star is lost





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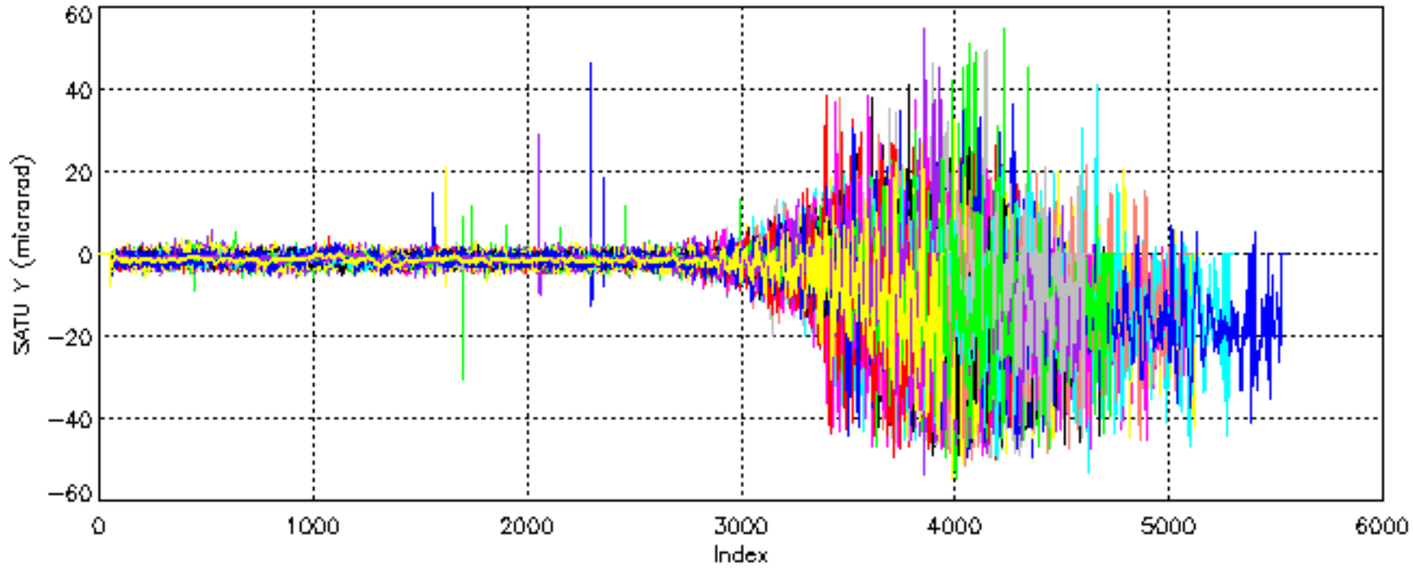
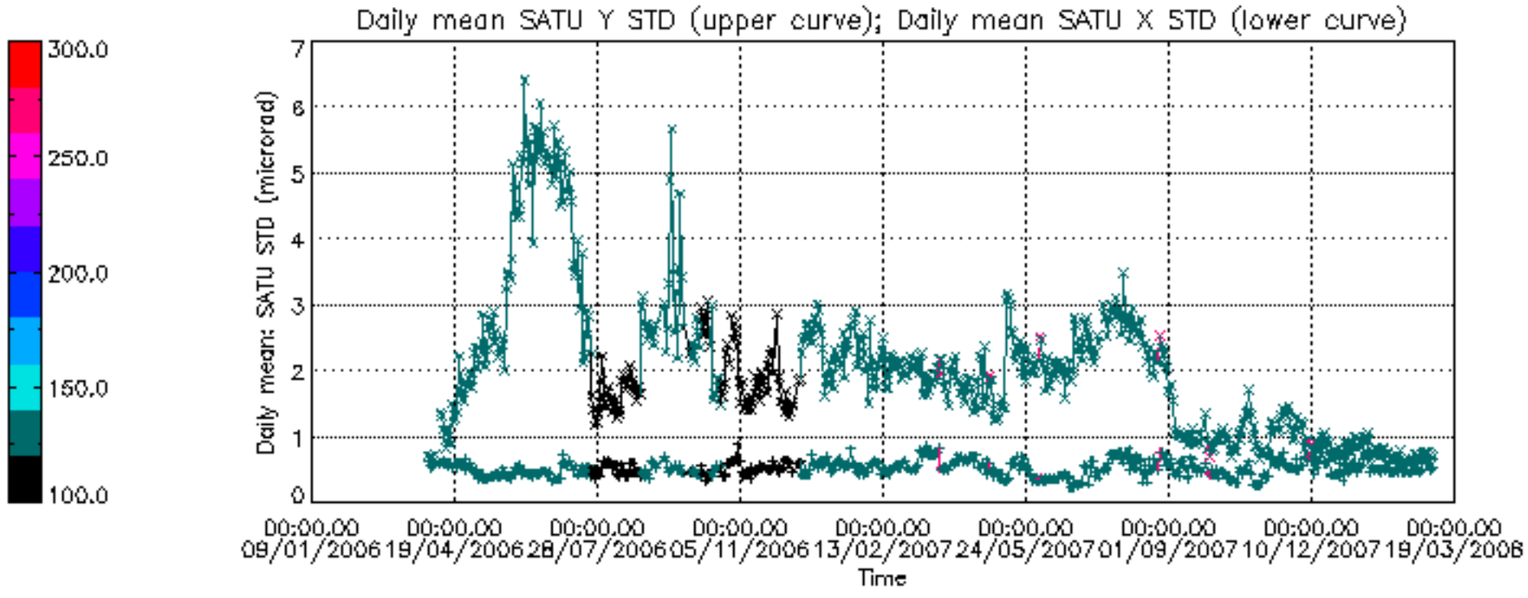
40
20
0
−20
−40
−60
SATU X (microrad)
0
1000
2000
3000
4000
5000
6000
Index


60
40
20
0
−20
−40
−60
S4TU Y (microrad)
0
1000
2000
3000
4000
5000
6000
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)
0
1
2
3
4
5
6
7
00:00.00 09/01/2006
00:00.00 19/04/2006
00:00.00 28/07/2006
00:00.00 05/11/2006
00:00.00 13/02/2007
00:00.00 24/05/2007
00:00.00 01/09/2007
00:00.00 10/12/2007
00:00.00 19/03/2008
Time

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  12; 4306.6; 17-MAR-2008 18:09:30; Bright; 39.5;   66; 37Gam Cyg ; 2.21; 5900;occ; 79;   0;31615
  13; 4411.2; 17-MAR-2008 18:11:14; Bright; 36.5;   92; 53Eps Cyg ; 2.50; 4500;occ; 73;   0;31615
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  18; 6284.5; 23-MAR-2008 10:30:58; Dark  ;  41.5;  141;   Bet Ara  ; 2.84;  4600;occ;  83;   0;31696
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  20; 6307.5; 25-MAR-2008 16:10:30; Dark  ;  44.5;  141;   Bet Ara  ; 2.84;  4600;occ;  89;   0;31728
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  10; 3904.8; 28-MAR-2008 02:11:25; Bright;  35.5;   89;  5Alp Cep  ; 2.45;  8000;occ;  71;   0;31763
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