GOMOS Daily Report 29-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.

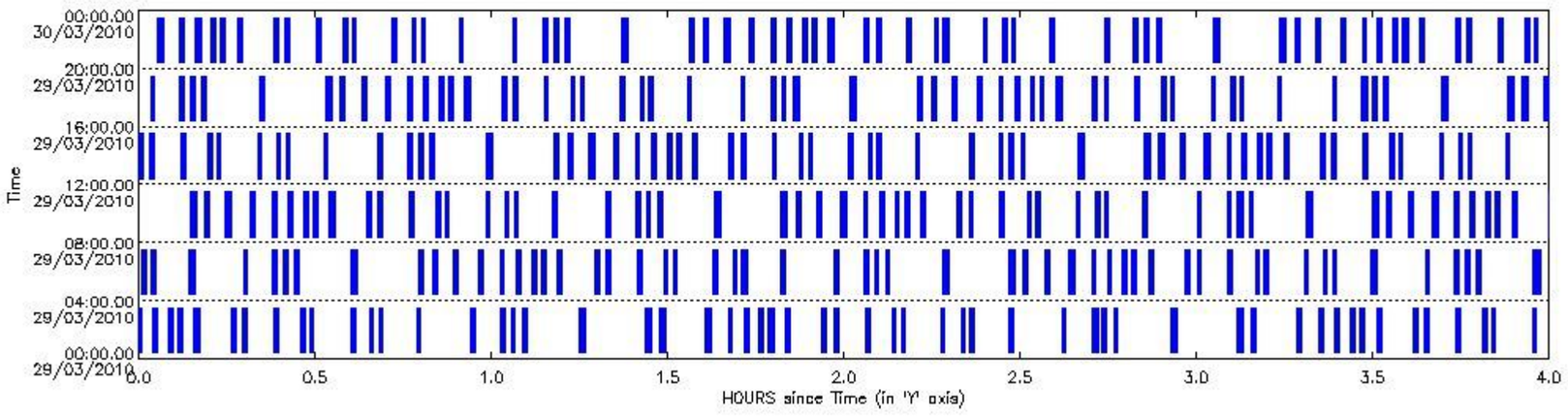
Item	Value
Time of report generation	01APR2010 04:50:19
Data source version	GOMOS/5.00L04
Start time of products	29MAR2010 00:02:20
Stop time of products	29MAR2010 23:57:28
Store outputs in DB	Yes
Nb of level 1b prods	128
Nb of prods with errors	1

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.

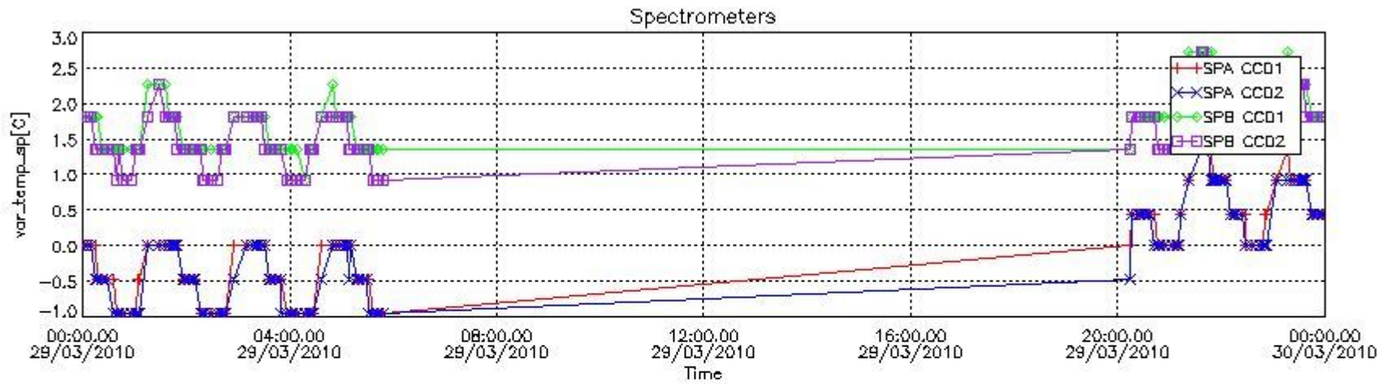
2.4 Summary of processed GOM_TRA_1P products

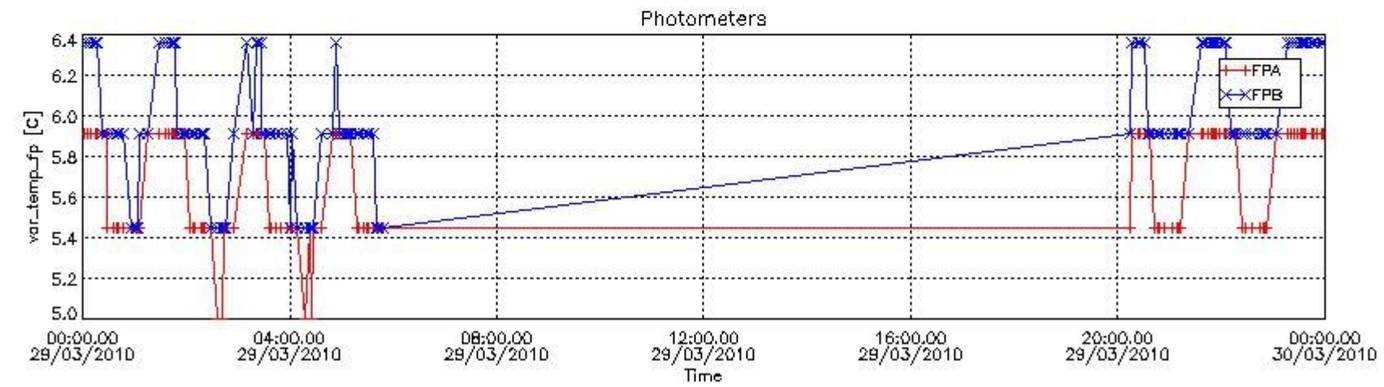
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100329_000220_000000502088_00088_42226_0081.N1	29-MAR-2010 00:02:20	Dark	49.500	4	Alp1Cen	-0.010000	5800.0	99	42226	No
2	GOM_TRA_1PNPDE20100329_000457_000000462088_00088_42226_0082.N1	29-MAR-2010 00:04:57	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	42226	No
3	GOM_TRA_1PNPDE20100329_000633_000000512088_00088_42226_0083.N1	29-MAR-2010 00:06:33	Straylight	50.500	81	Eta Cen	2.3560	28000.	101	42226	No
4	GOM_TRA_1PNPDE20100329_000922_000000532088_00088_42226_0084.N1	29-MAR-2010 00:09:22	Straylight	53.000	54	5The Cen	2.0550	4500.0	106	42226	No
5	GOM_TRA_1PNPDE20100329_001538_000000472088_00088_42226_0085.N1	29-MAR-2010 00:15:38	Straylight	46.500	106	9Bet Crv	2.6480	5600.0	93	42226	No
6	GOM_TRA_1PNPDE20100329_001739_000000452088_00088_42226_0086.N1	29-MAR-2010 00:17:39	Twi_and_stray	44.500	100	4Gam Crv	2.5800	13100.	89	42226	No
7	GOM_TRA_1PNPDE20100329_002257_000000482088_00088_42226_0087.N1	29-MAR-2010 00:22:57	Bright	48.000	121	29Gam Vir	2.7400	7200.0	96	42226	No
8	GOM_TRA_1PNPDE20100329_002734_000000422088_00088_42226_0088.N1	29-MAR-2010 00:27:34	Bright	41.500	62	94Bet Leo	2.1360	9700.0	83	42226	No
9	GOM_TRA_1PNPDE20100329_002906_000000392088_00088_42226_0089.N1	29-MAR-2010 00:29:06	Bright	38.500	96	68Del Leo	2.5600	9300.0	77	42226	No
10	GOM_TRA_1PNPDE20100329_003558_000000482088_00088_42226_0090.N1	29-MAR-2010 00:35:58	Bright	47.500	174	52Psi UMa	3.0040	4400.0	95	42226	No
11	GOM_TRA_1PNPDE20100329_003917_000000382088_00088_42226_0091.N1	29-MAR-2010 00:39:17	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	42226	No
12	GOM_TRA_1PNPDE20100329_004049_000000382088_00088_42226_0092.N1	29-MAR-2010 00:40:49	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	42226	No

13	GOM_TRA_1PNPDE20100329_004721_000000362088_00088_42226_0093.N1	29-MAR-2010 00:47:21	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	42226	No
14	GOM_TRA_1PNPDE20100329_005632_000000382088_00088_42226_0094.N1	29-MAR-2010 00:56:32	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42226	No
15	GOM_TRA_1PNPDE20100329_010133_000000452088_00088_42226_0095.N1	29-MAR-2010 01:01:33	Bright	45.000	144	18Del Cyg	2.8600	11000.	90	42226	No
16	GOM_TRA_1PNPDE20100329_010320_000000412088_00088_42226_0096.N1	29-MAR-2010 01:03:20	Bright	41.000	66	37Gam Cyg	2.2080	5900.0	82	42226	No
17	GOM_TRA_1PNPDE20100329_010517_000000432088_00088_42226_0097.N1	29-MAR-2010 01:05:17	Bright	42.500	92	53Eps Cyg	2.5000	4500.0	85	42226	No
18	GOM_TRA_1PNPDE20100329_011454_000000662088_00088_42226_0098.N1	29-MAR-2010 01:14:54	Dark	65.500	11	53Alp Aql	0.76500	8000.0	131	42226	No
19	GOM_TRA_1PNPDE20100329_012838_000000552088_00088_42226_0100.N1	29-MAR-2010 01:28:38	Dark	54.500	57	34Sig Sgr	2.0660	26000.	109	42226	No
20	GOM_TRA_1PNPDE20100329_013623_000000542088_00089_42227_0101.N1	29-MAR-2010 01:36:23	Dark	54.000	25	35Lam Sco	1.6200	28000.	108	42227	No
21	GOM_TRA_1PNPDE20100329_014016_000000392088_00089_42227_0102.N1	29-MAR-2010 01:40:16	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	42227	No
22	GOM_TRA_1PNPDE20100329_014257_000000552088_00089_42227_0103.N1	29-MAR-2010 01:42:57	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	42227	No
23	GOM_TRA_1PNPDE20100329_014534_000000462088_00089_42227_0104.N1	29-MAR-2010 01:45:34	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	42227	No
24	GOM_TRA_1PNPDE20100329_014710_000000512088_00089_42227_0105.N1	29-MAR-2010 01:47:10	Straylight	51.000	81	Eta Cen	2.3560	28000.	102	42227	No
25	GOM_TRA_1PNPDE20100329_014959_000000522088_00089_42227_0106.N1	29-MAR-2010 01:49:59	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	42227	No
26	GOM_TRA_1PNPDE20100329_015615_000000422088_00089_42227_0107.N1	29-MAR-2010 01:56:15	Straylight	42.000	106	9Bet Crv	2.6480	5600.0	84	42227	No
27	GOM_TRA_1PNPDE20100329_015815_000000452088_00089_42227_0108.N1	29-MAR-2010 01:58:15	Twi_and_stray	44.500	100	4Gam Crv	2.5800	13100.	89	42227	No
28	GOM_TRA_1PNPDE20100329_020333_000000482088_00089_42227_0109.N1	29-MAR-2010 02:03:33	Bright	47.500	121	29Gam Vir	2.7400	7200.0	95	42227	No
29	GOM_TRA_1PNPDE20100329_020810_000000412088_00089_42227_0110.N1	29-MAR-2010 02:08:10	Bright	40.500	62	94Bet Leo	2.1360	9700.0	81	42227	No
30	GOM_TRA_1PNPDE20100329_020942_000000382088_00089_42227_0111.N1	29-MAR-2010 02:09:42	Bright	38.000	96	68Del Leo	2.5600	9300.0	76	42227	No
31	GOM_TRA_1PNPDE20100329_021634_000000362088_00089_42227_0112.N1	29-MAR-2010 02:16:34	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	42227	No
32	GOM_TRA_1PNPDE20100329_021953_000000352088_00089_42227_0113.N1	29-MAR-2010 02:19:53	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	42227	No
33	GOM_TRA_1PNPDE20100329_022125_000000382088_00089_42227_0114.N1	29-MAR-2010 02:21:25	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	42227	No
34	GOM_TRA_1PNPDE20100329_022756_000000582088_00089_42227_0115.N1	29-MAR-2010 02:27:56	Bright	57.500	60	7Bet UMi	2.0810	3950.0	115	42227	No
35	GOM_TRA_1PNPDE20100329_023707_000000372088_00089_42227_0126.N1	29-MAR-2010 02:37:07	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42227	No
36	GOM_TRA_1PNPDE20100329_024208_000000652088_00089_42227_0127.N1	29-MAR-2010 02:42:08	Bright	65.000	144	18Del Cyg	2.8600	11000.	130	42227	No
37	GOM_TRA_1PNPDE20100329_024356_000000452088_00089_42227_0128.N1	29-MAR-2010 02:43:56	Bright	44.500	66	37Gam Cyg	2.2080	5900.0	89	42227	No
38	GOM_TRA_1PNPDE20100329_024553_000000412088_00089_42227_0129.N1	29-MAR-2010 02:45:53	Bright	41.000	92	53Eps Cyg	2.5000	4500.0	82	42227	No
39	GOM_TRA_1PNPDE20100329_025530_000000642088_00089_42227_0130.N1	29-MAR-2010 02:55:30	Dark	64.000	11	53Alp Aql	0.76500	8000.0	128	42227	No
40	GOM_TRA_1PNPDE20100329_030915_000000522088_00089_42227_0131.N1	29-MAR-2010 03:09:15	Dark	51.500	57	34Sig Sgr	2.0660	26000.	103	42227	No
41	GOM_TRA_1PNPDE20100329_031700_000000542088_00090_42228_0132.N1	29-MAR-2010 03:17:00	Dark	53.500	25	35Lam Sco	1.6200	28000.	107	42228	No
42	GOM_TRA_1PNPDE20100329_032053_000000392088_00090_42228_0133.N1	29-MAR-2010 03:20:53	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	42228	No
43	GOM_TRA_1PNPDE20100329_032333_000000452088_00090_42228_0134.N1	29-MAR-2010 03:23:33	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	42228	No
44	GOM_TRA_1PNPDE20100329_032611_000000452088_00090_42228_0135.N1	29-MAR-2010 03:26:11	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42228	No
45	GOM_TRA_1PNPDE20100329_032746_000000492088_00090_42228_0136.N1	29-MAR-2010 03:27:46	Straylight	49.000	81	Eta Cen	2.3560	28000.	98	42228	No
46	GOM_TRA_1PNPDE20100329_033035_000000552088_00090_42228_0137.N1	29-MAR-2010 03:30:35	Straylight	55.000	54	5The Cen	2.0550	4500.0	110	42228	No
47	GOM_TRA_1PNPDE20100329_033651_000000472088_00090_42228_0138.N1	29-MAR-2010 03:36:51	Straylight	47.000	106	9Bet Crv	2.6480	5600.0	94	42228	No
48	GOM_TRA_1PNPDE20100329_033852_000000432088_00090_42228_0139.N1	29-MAR-2010 03:38:52	Twi_and_stray	42.500	100	4Gam Crv	2.5800	13100.	85	42228	No
49	GOM_TRA_1PNPDE20100329_034409_000000462088_00090_42228_0140.N1	29-MAR-2010 03:44:09	Bright	45.500	121	29Gam Vir	2.7400	7200.0	91	42228	No
50	GOM_TRA_1PNPDE20100329_034846_000000402088_00090_42228_0141.N1	29-MAR-2010 03:48:46	Bright	40.000	62	94Bet Leo	2.1360	9700.0	80	42228	No
51	GOM_TRA_1PNPDE20100329_035018_000000372088_00090_42228_0142.N1	29-MAR-2010 03:50:18	Bright	36.500	96	68Del Leo	2.5600	9300.0	73	42228	No
52	GOM_TRA_1PNPDE20100329_035710_000000372088_00090_42228_0143.N1	29-MAR-2010 03:57:10	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	42228	No
53	GOM_TRA_1PNPDE20100329_040029_000000382088_00090_42228_0144.N1	29-MAR-2010 04:00:29	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	42228	No
54	GOM_TRA_1PNPDE20100329_040201_000000532088_00090_42228_0145.N1	29-MAR-2010 04:02:01	Bright	53.000	36	50Alp UMa	1.8000	6300.0	106	42228	No
55	GOM_TRA_1PNPDE20100329_040832_000000582088_00090_42228_0146.N1	29-MAR-2010 04:08:32	Bright	57.500	60	7Bet UMi	2.0810	3950.0	115	42228	No
56	GOM_TRA_1PNPDE20100329_041743_000000372088_00090_42228_0148.N1	29-MAR-2010 04:17:43	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42228	No
57	GOM_TRA_1PNPDE20100329_042245_000000462088_00090_42228_0149.N1	29-MAR-2010 04:22:45	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	42228	No
58	GOM_TRA_1PNPDE20100329_042432_000000422088_00090_42228_0150.N1	29-MAR-2010 04:24:32	Bright	41.500	66	37Gam Cyg	2.2080	5900.0	83	42228	No
59	GOM_TRA_1PNPDE20100329_042629_000000422088_00090_42228_0151.N1	29-MAR-2010 04:26:29	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	42228	No
60	GOM_TRA_1PNPDE20100329_043607_000000672088_00090_42228_0152.N1	29-MAR-2010 04:36:07	Dark	66.500	11	53Alp Aql	0.76500	8000.0	133	42228	No
61	GOM_TRA_1PNPDE20100329_044952_000000542088_00090_42228_0153.N1	29-MAR-2010 04:49:52	Dark	53.500	57	34Sig Sgr	2.0660	26000.	107	42228	No
62	GOM_TRA_1PNPDE20100329_045328_000000532088_00091_42229_0154.N1	29-MAR-2010 04:53:28	Dark	52.500	38	20Eps Sgr	1.8360	11000.	105	42229	No
63	GOM_TRA_1PNPDE20100329_045738_000000562088_00091_42229_0155.N1	29-MAR-2010 04:57:38	Dark	56.000	25	35Lam Sco	1.6200	28000.	112	42229	No
64	GOM_TRA_1PNPDE20100329_050129_000000402088_00091_42229_0156.N1	29-MAR-2010 05:01:29	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	42229	No
65	GOM_TRA_1PNPDE20100329_050410_000000452088_00091_42229_0157.N1	29-MAR-2010 05:04:10	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	42229	No
66	GOM_TRA_1PNPDE20100329_050647_000000452088_00091_42229_0158.N1	29-MAR-2010 05:06:47	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	42229	No
67	GOM_TRA_1PNPDE20100329_050823_000000512088_00091_42229_0159.N1	29-MAR-2010 05:08:23	Straylight	50.500	81	Eta Cen	2.3560	28000.	101	42229	No
68	GOM_TRA_1PNPDE20100329_051112_000000542088_00091_42229_0160.N1	29-MAR-2010 05:11:12	Straylight	53.500	54	5The Cen	2.0550	4500.0	107	42229	No
69	GOM_TRA_1PNPDE20100329_051727_000000492088_00091_42229_0161.N1	29-MAR-2010 05:17:27	Twi_and_stray	49.000	106	9Bet Crv	2.6480	5600.0	98	42229	No
70	GOM_TRA_1PNPDE20100329_051928_000000422088_00091_42229_0162.N1	29-MAR-2010 05:19:28	Twi_and_stray	42.000	100	4Gam Crv	2.5800	13100.	84	42229	No
71	GOM_TRA_1PNPDE20100329_052445_000000452088_00091_42229_0163.N1	29-MAR-2010 05:24:45	Bright	45.000	121	29Gam Vir	2.7400	7200.0	90	42229	No

72	GOM_TRA_1PNPDE20100329_052922_000000412088_00091_42229_0164.N1	29-MAR-2010 05:29:22	Bright	40.500	62	94Bet Leo	2.1360	9700.0	81	42229	No
73	GOM_TRA_1PNPDE20100329_053054_000000372088_00091_42229_0165.N1	29-MAR-2010 05:30:54	Bright	37.000	96	68Del Leo	2.5600	9300.0	74	42229	No
74	GOM_TRA_1PNPDE20100329_053746_000000372088_00091_42229_0166.N1	29-MAR-2010 05:37:46	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	42229	No
75	GOM_TRA_1PNPDE20100329_054105_000000372088_00091_42229_0167.N1	29-MAR-2010 05:41:05	Bright	36.500	82	48Bet UMa	2.3650	10600.	73	42229	No
76	GOM_TRA_1PNPDE20100329_054237_000000532088_00091_42229_0168.N1	29-MAR-2010 05:42:37	Bright	53.000	36	50Alp UMa	1.8000	6300.0	106	42229	No
77	GOM_TRA_1PNPDE20100329_054907_000000582088_00091_42229_0169.N1	29-MAR-2010 05:49:07	Bright	57.500	60	7Bet UMi	2.0810	3950.0	115	42229	No
78	GOM_TRA_1PNPDE20100329_201353_000000472088_00100_42238_0260.N1	29-MAR-2010 20:13:53	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	42238	Yes
79	GOM_TRA_1PNPDE20100329_201640_000000552088_00100_42238_0261.N1	29-MAR-2010 20:16:40	Straylight	54.500	54	5The Cen	2.0550	4500.0	109	42238	No
80	GOM_TRA_1PNPDE20100329_202252_000000482088_00100_42238_0262.N1	29-MAR-2010 20:22:52	Twi_and_stray	47.500	106	9Bet Crv	2.6480	5600.0	95	42238	No
81	GOM_TRA_1PNPDE20100329_202452_000000432088_00100_42238_0263.N1	29-MAR-2010 20:24:52	Twi_and_stray	43.000	100	4Gam Crv	2.5800	13100.	86	42238	No
82	GOM_TRA_1PNPDE20100329_203007_000000462088_00100_42238_0264.N1	29-MAR-2010 20:30:07	Bright	46.000	121	29Gam Vir	2.7400	7200.0	92	42238	No
83	GOM_TRA_1PNPDE20100329_203443_000000422088_00100_42238_0265.N1	29-MAR-2010 20:34:43	Bright	42.000	62	94Bet Leo	2.1360	9700.0	84	42238	No
84	GOM_TRA_1PNPDE20100329_203617_000000372088_00100_42238_0266.N1	29-MAR-2010 20:36:17	Bright	37.000	96	68Del Leo	2.5600	9300.0	74	42238	No
85	GOM_TRA_1PNPDE20100329_204308_000000382088_00100_42238_0267.N1	29-MAR-2010 20:43:08	Bright	38.000	174	52Psi UMa	3.0040	4400.0	76	42238	No
86	GOM_TRA_1PNPDE20100329_204628_000000372088_00100_42238_0268.N1	29-MAR-2010 20:46:28	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	42238	No
87	GOM_TRA_1PNPDE20100329_204759_000000372088_00100_42238_0269.N1	29-MAR-2010 20:47:59	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	42238	No
88	GOM_TRA_1PNPDE20100329_205428_000000402088_00100_42238_0270.N1	29-MAR-2010 20:54:28	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42238	No
89	GOM_TRA_1PNPDE20100329_210342_000000352088_00100_42238_0271.N1	29-MAR-2010 21:03:42	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	42238	No
90	GOM_TRA_1PNPDE20100329_210843_000000462088_00100_42238_0272.N1	29-MAR-2010 21:08:43	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	42238	No
91	GOM_TRA_1PNPDE20100329_211031_000000612088_00100_42238_0273.N1	29-MAR-2010 21:10:31	Bright	61.000	66	37Gam Cyg	2.2080	5900.0	122	42238	No
92	GOM_TRA_1PNPDE20100329_211229_000000432088_00100_42238_0274.N1	29-MAR-2010 21:12:29	Bright	43.000	92	53Eps Cyg	2.5000	4500.0	86	42238	No
93	GOM_TRA_1PNPDE20100329_212214_000000612088_00100_42238_0275.N1	29-MAR-2010 21:22:14	Dark	60.500	11	53Alp Aql	0.76500	8000.0	121	42238	No
94	GOM_TRA_1PNPDE20100329_213604_000000562088_00100_42238_0283.N1	29-MAR-2010 21:36:04	Dark	55.500	57	34Sig Sgr	2.0660	26000.	111	42238	No
95	GOM_TRA_1PNPDE20100329_213940_000000532088_00101_42239_0284.N1	29-MAR-2010 21:39:40	Dark	52.500	38	20Eps Sgr	1.8360	11000.	105	42239	No
96	GOM_TRA_1PNPDE20100329_214350_000000502088_00101_42239_0285.N1	29-MAR-2010 21:43:50	Dark	50.000	25	35Lam Sco	1.6200	28000.	100	42239	No
97	GOM_TRA_1PNPDE20100329_214734_000000432088_00101_42239_0286.N1	29-MAR-2010 21:47:34	Dark	43.000	134	Bet TrA	2.8100	6600.0	86	42239	No
98	GOM_TRA_1PNPDE20100329_215014_000000552088_00101_42239_0287.N1	29-MAR-2010 21:50:14	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	42239	No
99	GOM_TRA_1PNPDE20100329_215253_000000452088_00101_42239_0288.N1	29-MAR-2010 21:52:53	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42239	No
100	GOM_TRA_1PNPDE20100329_215429_000000462088_00101_42239_0289.N1	29-MAR-2010 21:54:29	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42239	No
101	GOM_TRA_1PNPDE20100329_215717_000000552088_00101_42239_0290.N1	29-MAR-2010 21:57:17	Straylight	55.000	54	5The Cen	2.0550	4500.0	110	42239	No
102	GOM_TRA_1PNPDE20100329_220328_000000482088_00101_42239_0291.N1	29-MAR-2010 22:03:28	Twi_and_stray	48.000	106	9Bet Crv	2.6480	5600.0	96	42239	No
103	GOM_TRA_1PNPDE20100329_220528_000000452088_00101_42239_0292.N1	29-MAR-2010 22:05:28	Twi_and_stray	45.000	100	4Gam Crv	2.5800	13100.	90	42239	No
104	GOM_TRA_1PNPDE20100329_221042_000000452088_00101_42239_0293.N1	29-MAR-2010 22:10:42	Bright	45.000	121	29Gam Vir	2.7400	7200.0	90	42239	No
105	GOM_TRA_1PNPDE20100329_221519_000000392088_00101_42239_0294.N1	29-MAR-2010 22:15:19	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	42239	No
106	GOM_TRA_1PNPDE20100329_221653_000000532088_00101_42239_0295.N1	29-MAR-2010 22:16:53	Bright	53.000	96	68Del Leo	2.5600	9300.0	106	42239	No
107	GOM_TRA_1PNPDE20100329_222344_000000362088_00101_42239_0296.N1	29-MAR-2010 22:23:44	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	42239	No
108	GOM_TRA_1PNPDE20100329_222703_000000362088_00101_42239_0297.N1	29-MAR-2010 22:27:03	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	42239	No
109	GOM_TRA_1PNPDE20100329_222835_000000382088_00101_42239_0298.N1	29-MAR-2010 22:28:35	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	42239	No
110	GOM_TRA_1PNPDE20100329_223504_000000382088_00101_42239_0299.N1	29-MAR-2010 22:35:04	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	42239	No
111	GOM_TRA_1PNPDE20100329_224418_000000462088_00101_42239_0300.N1	29-MAR-2010 22:44:18	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	42239	No
112	GOM_TRA_1PNPDE20100329_224918_000000452088_00101_42239_0301.N1	29-MAR-2010 22:49:18	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	42239	No
113	GOM_TRA_1PNPDE20100329_225107_000000432088_00101_42239_0302.N1	29-MAR-2010 22:51:07	Bright	43.000	66	37Gam Cyg	2.2080	5900.0	86	42239	No
114	GOM_TRA_1PNPDE20100329_225305_000000592088_00101_42239_0303.N1	29-MAR-2010 22:53:05	Bright	59.000	92	53Eps Cyg	2.5000	4500.0	118	42239	No
115	GOM_TRA_1PNPDE20100329_230250_000000632088_00101_42239_0304.N1	29-MAR-2010 23:02:50	Dark	63.000	11	53Alp Aql	0.76500	8000.0	126	42239	No
116	GOM_TRA_1PNPDE20100329_231641_000000542088_00101_42239_0300.N1	29-MAR-2010 23:16:41	Dark	54.000	57	34Sig Sgr	2.0660	26000.	108	42239	No
117	GOM_TRA_1PNPDE20100329_232017_000000542088_00102_42240_0301.N1	29-MAR-2010 23:20:17	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	42240	No
118	GOM_TRA_1PNPDE20100329_232428_000000482088_00102_42240_0302.N1	29-MAR-2010 23:24:28	Dark	48.000	25	35Lam Sco	1.6200	28000.	96	42240	No
119	GOM_TRA_1PNPDE20100329_232810_000000412088_00102_42240_0303.N1	29-MAR-2010 23:28:10	Dark	41.000	134	Bet TrA	2.8100	6600.0	82	42240	No
120	GOM_TRA_1PNPDE20100329_233050_000000482088_00102_42240_0304.N1	29-MAR-2010 23:30:50	Dark	47.500	4	Alp1Cen	-0.010000	5800.0	95	42240	No
121	GOM_TRA_1PNPDE20100329_233330_000000482088_00102_42240_0305.N1	29-MAR-2010 23:33:30	Straylight	47.500	78	Alp Lup	2.3040	28000.	95	42240	No
122	GOM_TRA_1PNPDE20100329_233505_000000522088_00102_42240_0306.N1	29-MAR-2010 23:35:05	Straylight	51.500	81	Eta Cen	2.3560	28000.	103	42240	No
123	GOM_TRA_1PNPDE20100329_233753_000000542088_00102_42240_0307.N1	29-MAR-2010 23:37:53	Straylight	54.000	54	5The Cen	2.0550	4500.0	108	42240	No
124	GOM_TRA_1PNPDE20100329_234404_000000482088_00102_42240_0308.N1	29-MAR-2010 23:44:04	Twi_and_stray	48.000	106	9Bet Crv	2.6480	5600.0	96	42240	No
125	GOM_TRA_1PNPDE20100329_234604_000000452088_00102_42240_0309.N1	29-MAR-2010 23:46:04	Twi_and_stray	45.000	100	4Gam Crv	2.5800	13100.	90	42240	No
126	GOM_TRA_1PNPDE20100329_235118_000000452088_00102_42240_0310.N1	29-MAR-2010 23:51:18	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	42240	No
127	GOM_TRA_1PNPDE20100329_235555_000000412088_00102_42240_0311.N1	29-MAR-2010 23:55:55	Bright	40.500	62	94Bet Leo	2.1360	9700.0	81	42240	No
128	GOM_TRA_1PNPDE20100329_235728_000000392088_00102_42240_0312.N1	29-MAR-2010 23:57:28	Bright	38.500	96	68Del Leo	2.5600	9300.0	77	42240	No

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





4. Overview of dark signal processing per product

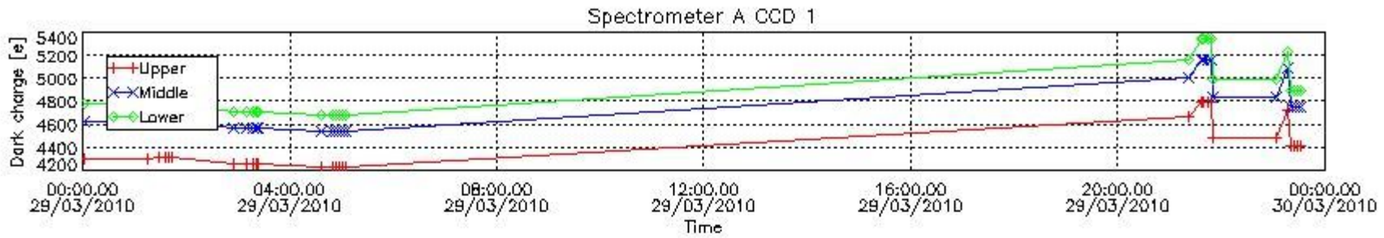
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore substracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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

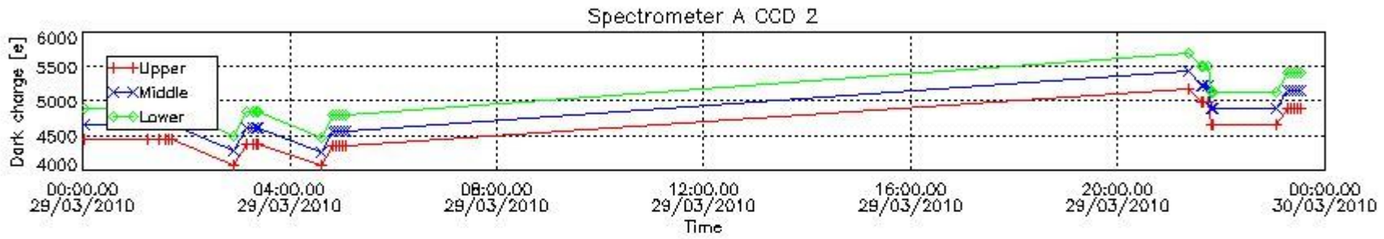
4.1 These products did not use the DSA observation for DC computation:

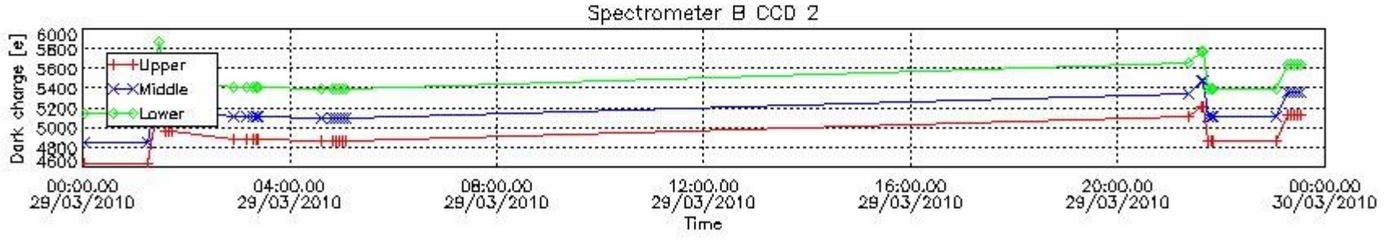
Product name	DC information
GOM_TRA_1PNPDE20100329_201353_000000472088_00100_42238_0260.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100329_201640_000000552088_00100_42238_0261.N1	DC map used
GOM_TRA_1PNPDE20100329_202252_000000482088_00100_42238_0262.N1	DC map used
GOM_TRA_1PNPDE20100329_202452_000000432088_00100_42238_0263.N1	DC map used
GOM_TRA_1PNPDE20100329_203007_000000462088_00100_42238_0264.N1	DC map used
GOM_TRA_1PNPDE20100329_203443_000000422088_00100_42238_0265.N1	DC map used
GOM_TRA_1PNPDE20100329_203617_000000372088_00100_42238_0266.N1	DC map used
GOM_TRA_1PNPDE20100329_204308_000000382088_00100_42238_0267.N1	DC map used
GOM_TRA_1PNPDE20100329_204628_000000372088_00100_42238_0268.N1	DC map used
GOM_TRA_1PNPDE20100329_204759_000000372088_00100_42238_0269.N1	DC map used
GOM_TRA_1PNPDE20100329_205428_000000402088_00100_42238_0270.N1	DC map used
GOM_TRA_1PNPDE20100329_210342_000000352088_00100_42238_0271.N1	DC map used

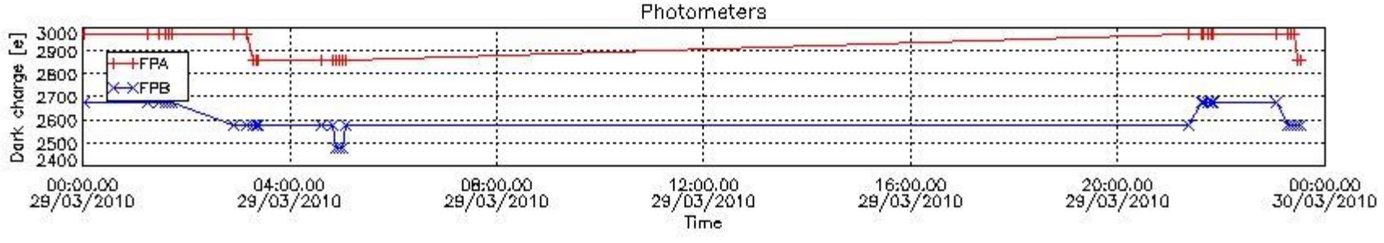
GOM_TRA_1PNPDE20100329_210843_000000462088_00100_42238_0272.N1	DC map used
GOM_TRA_1PNPDE20100329_211031_000000612088_00100_42238_0273.N1	DC map used
GOM_TRA_1PNPDE20100329_211229_000000432088_00100_42238_0274.N1	DC map used
GOM_TRA_1PNPDE20100329_212214_000000612088_00100_42238_0275.N1	DC map used

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

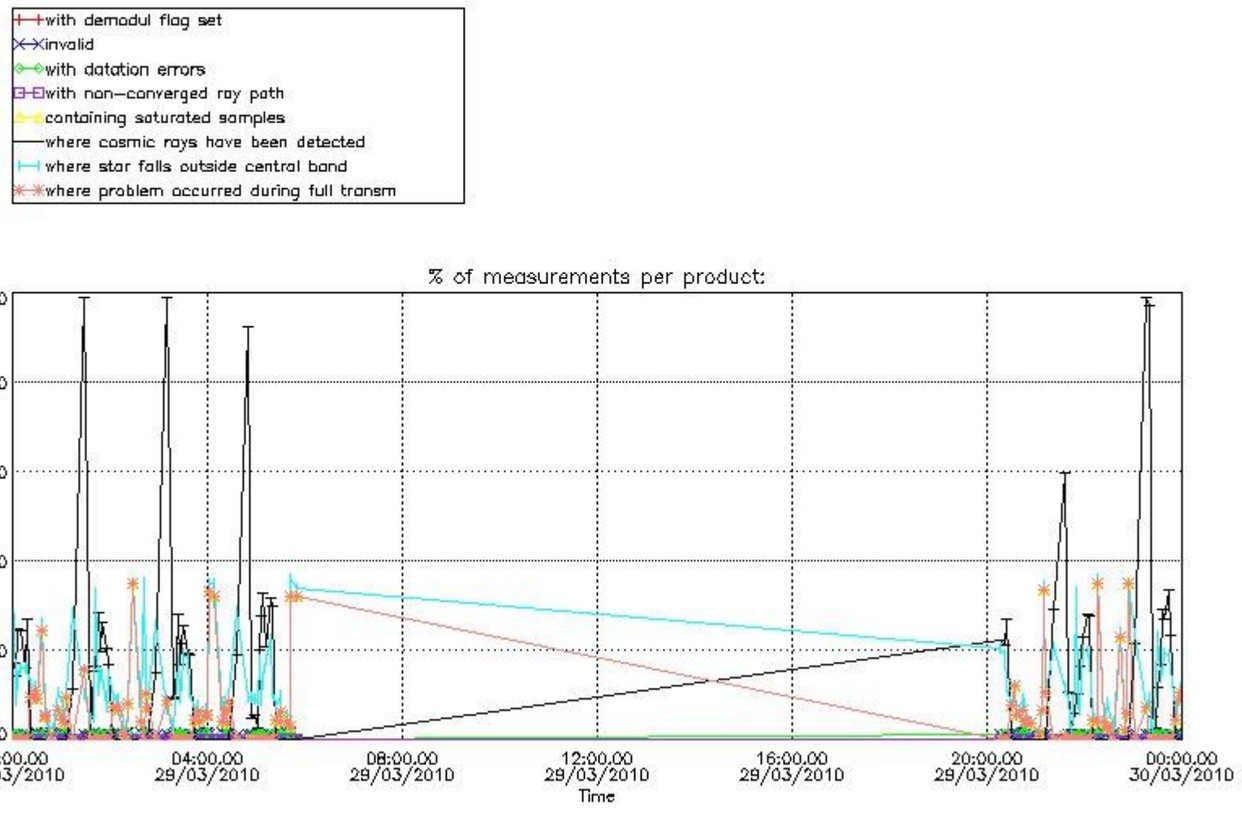
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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:

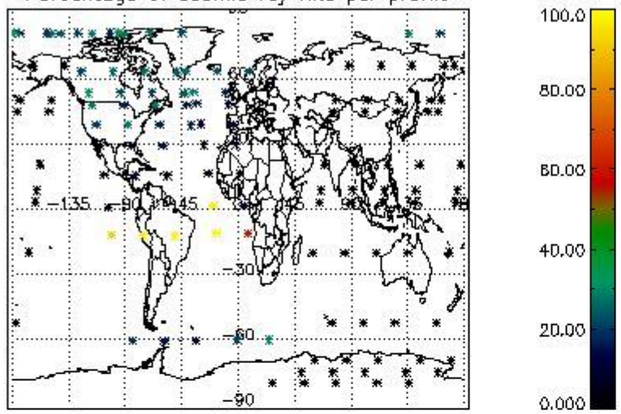
At least one measurement with demodulation flag set:	40.1575 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)

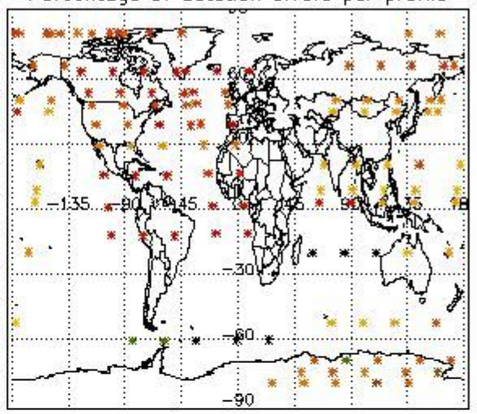


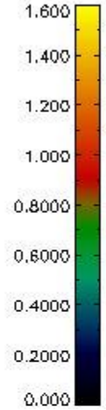
5.3 Plot quality information per product (world map)

Percentage of cosmic ray hits per profile

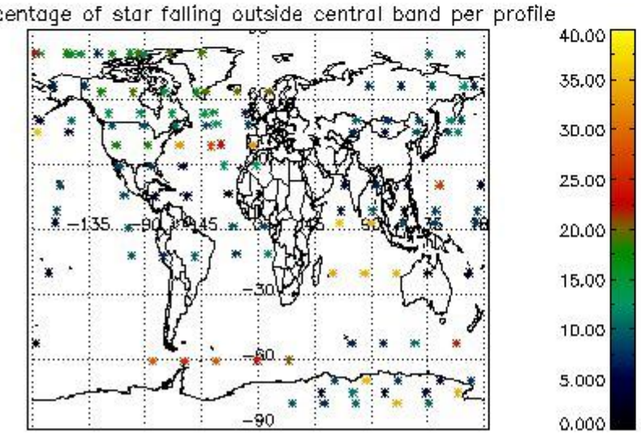


Percentage of datation errors per profile

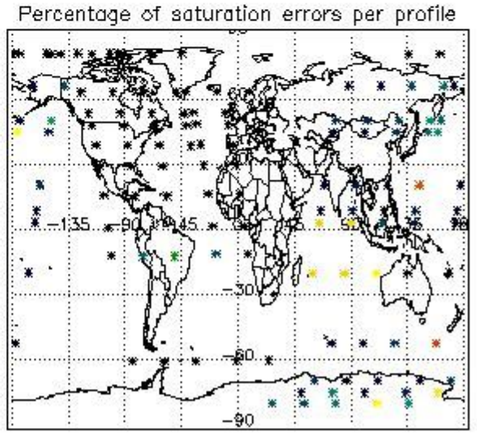


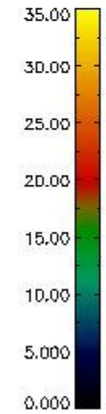


Percentage of star falling outside central band per profile



Percentage of saturation errors per profile





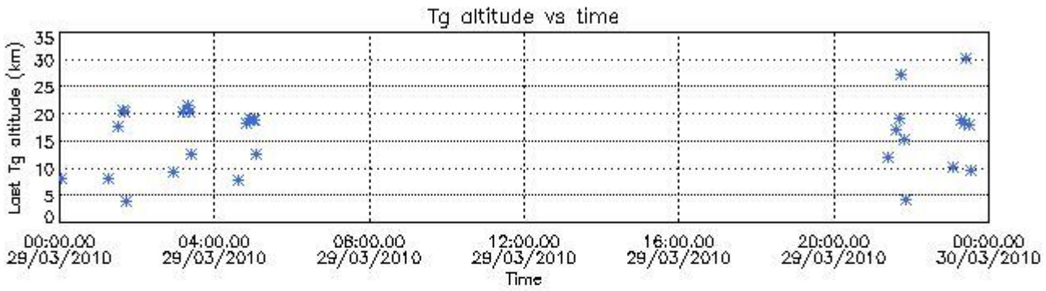
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

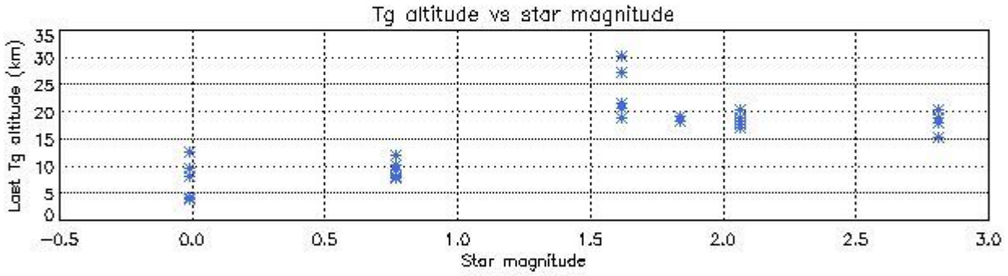
6.1 Statistics on tangent altitude lost:

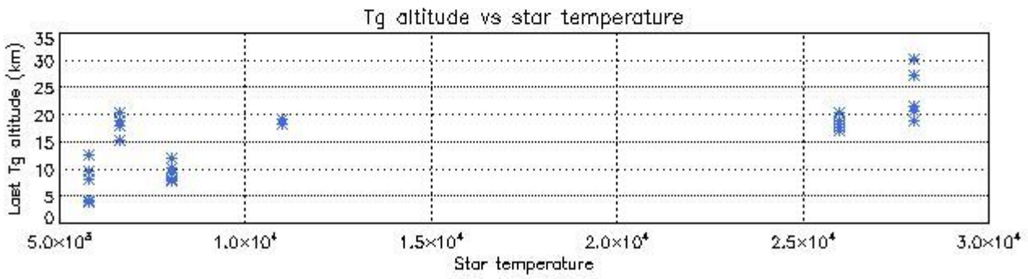
Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.787	17.591	NaN
St. deviation:	6.3797	6.2292	NaN
Maximum:	30.164	29.289	NaN
Minimum:	3.9467	3.5845	NaN
Number of data:	29.000	65.000	NaN

6.2 Plot for DARK limb products

Tangent altitude at which the star is lost

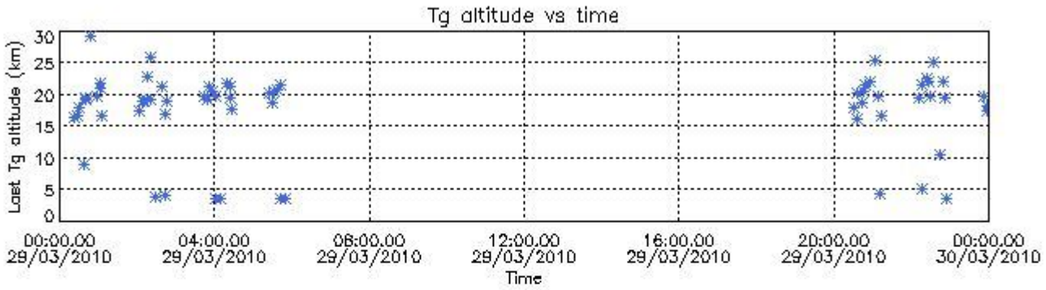


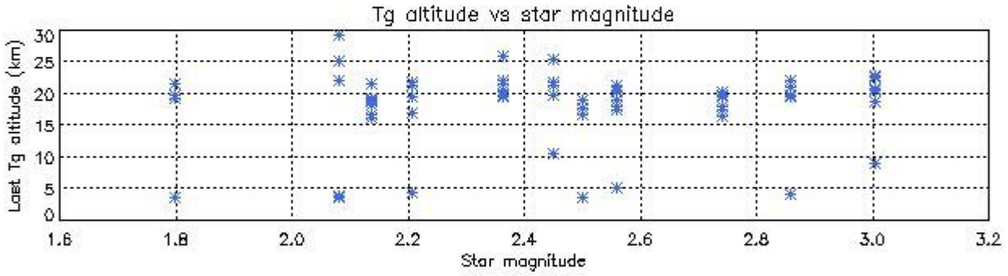


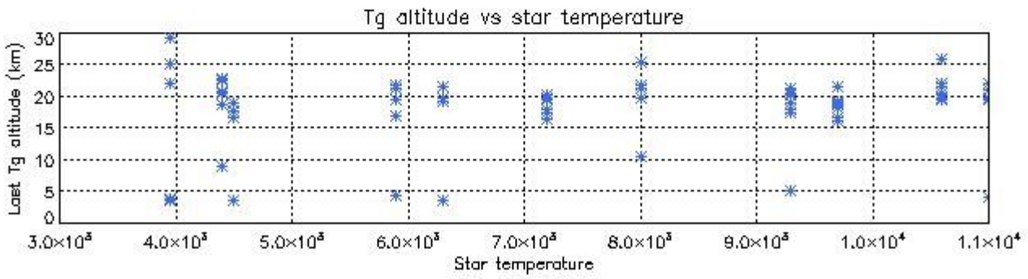


6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost





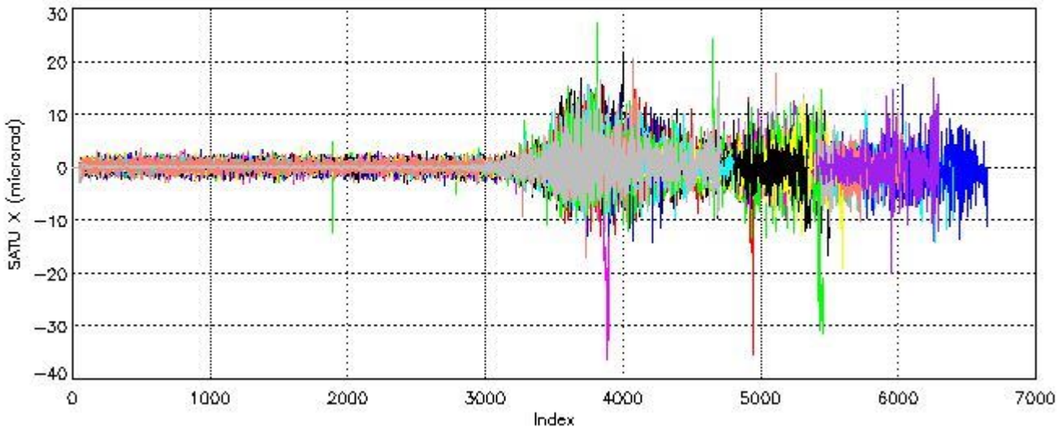


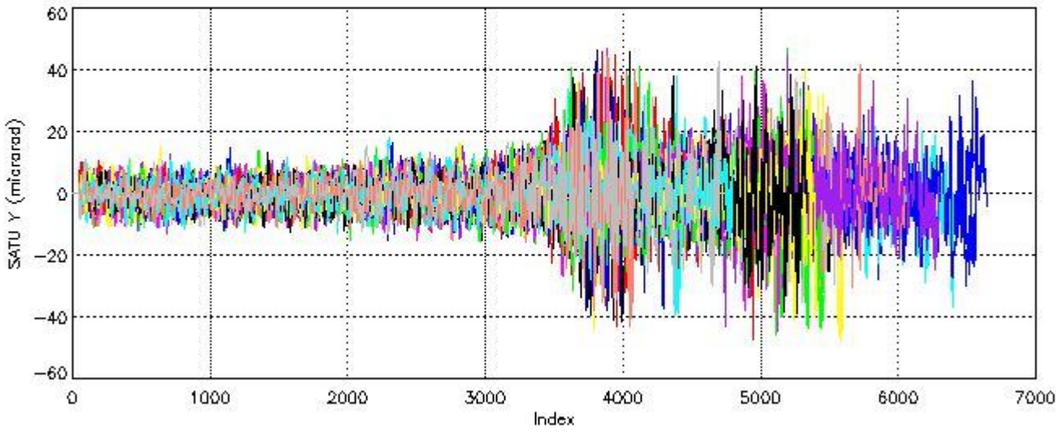
7. Star Acquisition and Tracking Unit (SATU)

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:	0.18334	-0.43262	0.16256	-0.53158
St. deviation:	0.54437	3.3095	0.80095	3.0801
Maximum:	3.6000	15.300	5.0000	15.100
Minimum:	-3.1000	-13.100	-5.1000	-16.800

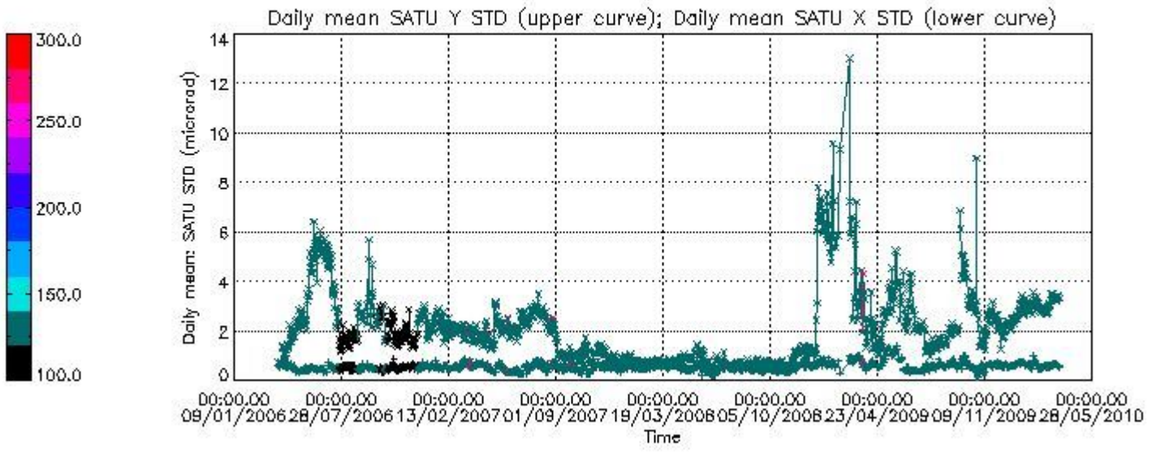
Number of data:	33150.	33150.	60200.	60200.

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.

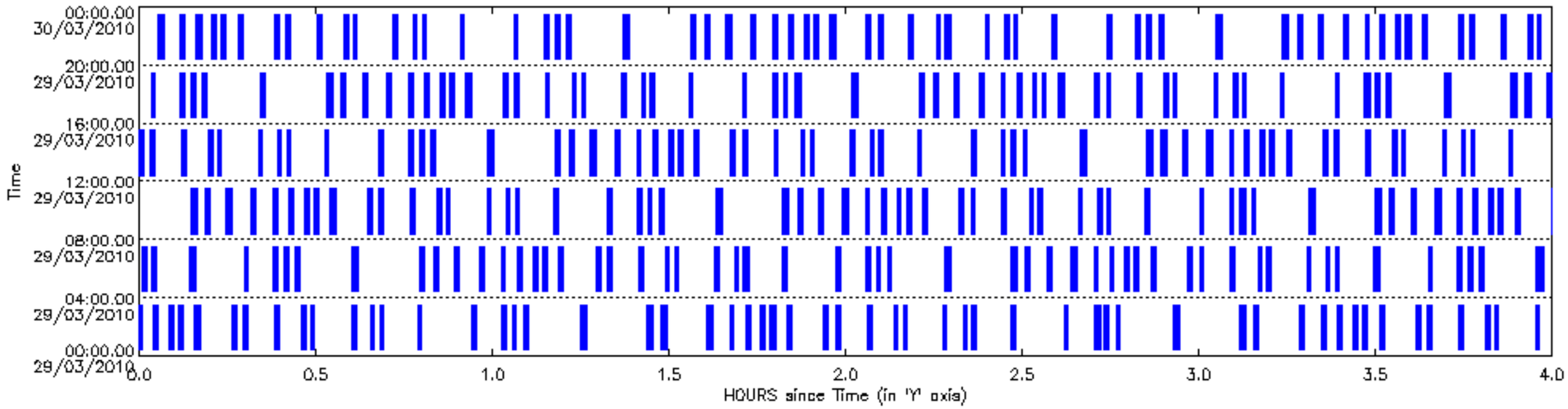
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

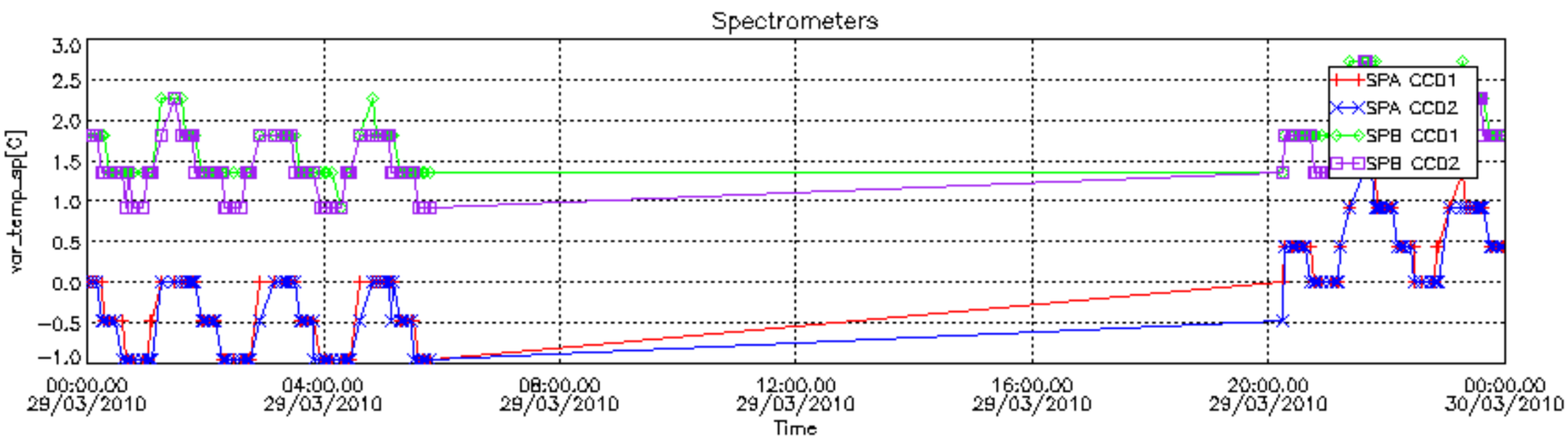


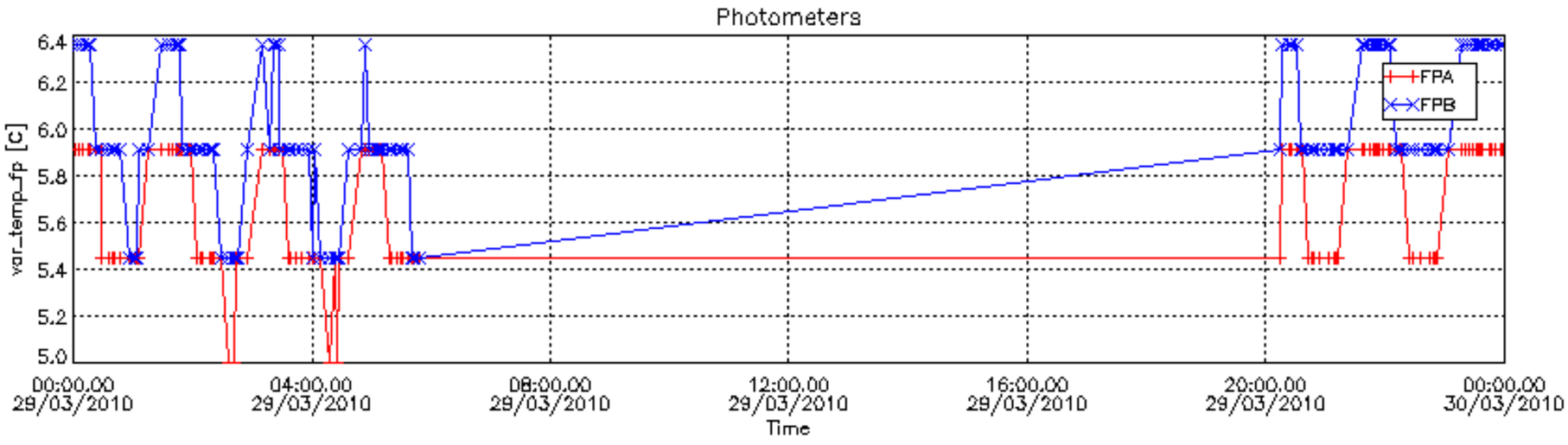
8. Auxiliary Data Files used for the production reported in section 2.4

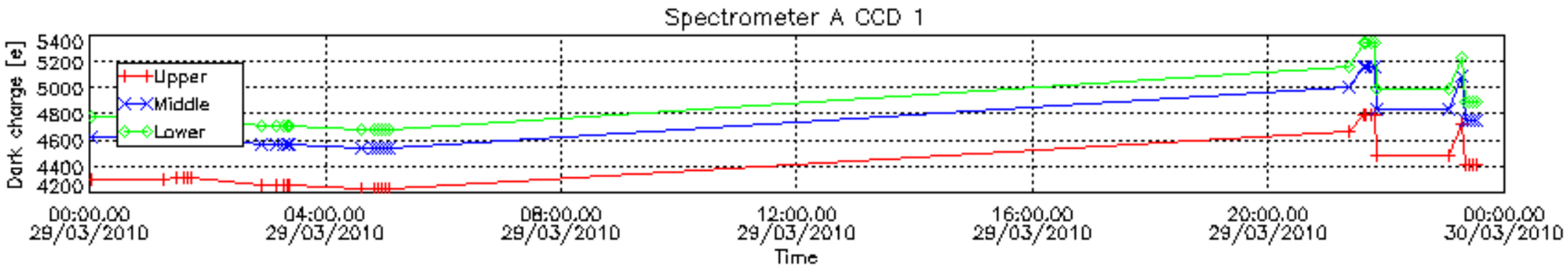
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

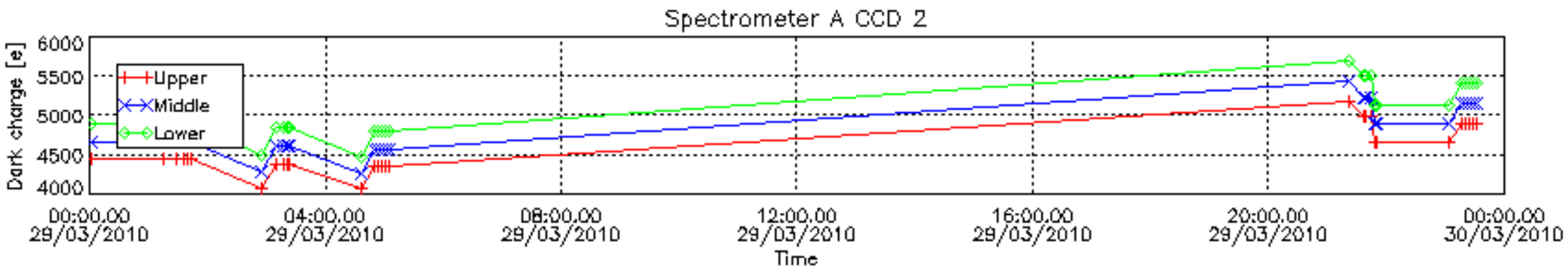
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-MAR-2010 00:02:20
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100324_131115_20100322_000000_20500101_000000	1	29-MAR-2010 00:02:20
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	29-MAR-2010 00:02:20
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-MAR-2010 00:02:20
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-MAR-2010 00:02:20
ECMWF_FILE	AUX_ECF_AXNECM20100328_054114_20100328_210000_20100329_090000	1	29-MAR-2010 00:02:20
ECMWF_FILE	AUX_ECF_AXNECM20100328_172114_20100329_030000_20100329_150000	56	29-MAR-2010 04:17:43
ECMWF_FILE	AUX_ECF_AXNECM20100329_052115_20100329_150000_20100330_030000	78	29-MAR-2010 20:13:53
ECMWF_FILE	AUX_ECF_AXNECM20100329_052116_20100329_210000_20100330_090000	94	29-MAR-2010 21:36:04
OPTIONAL_ECMWF_FILE	MISSING	1	29-MAR-2010 00:02:20
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20100328_233926_000054192088_00087_42225_0054.N1	1	29-MAR-2010 00:02:20
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20100329_011504_000041442088_00088_42226_0055.N1	19	29-MAR-2010 01:28:38
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20100329_022927_000057382088_00089_42227_0056.N1	35	29-MAR-2010 02:37:07
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100326_121309_20100325_184355_20100404_201008	56	29-MAR-2010 04:17:43
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20100329_201205_000038252088_00100_42238_0058.N1	78	29-MAR-2010 20:13:53
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20100329_212109_000060572088_00100_42238_0059.N1	94	29-MAR-2010 21:36:04
ORBIT_DATA_FILE	DOR_NAV_0PNPDE20100329_230725_000054192088_00101_42239_0060.N1	116	29-MAR-2010 23:16:41

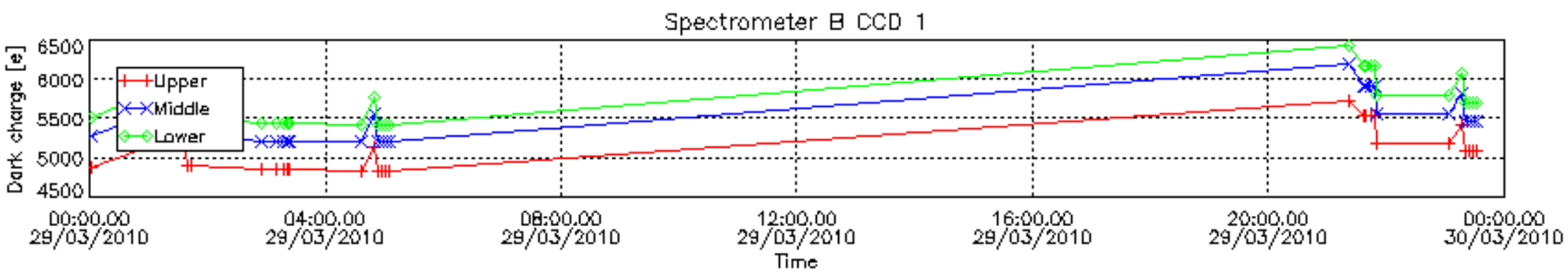

00:00.00
30/03/2010
20:00.00
29/03/2010
16:00.00
29/03/2010
12:00.00
29/03/2010
08:00.00
29/03/2010
04:00.00
29/03/2010
00:00.00
29/03/2010
Time
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
HOURS since Time (in 'Y' axis)

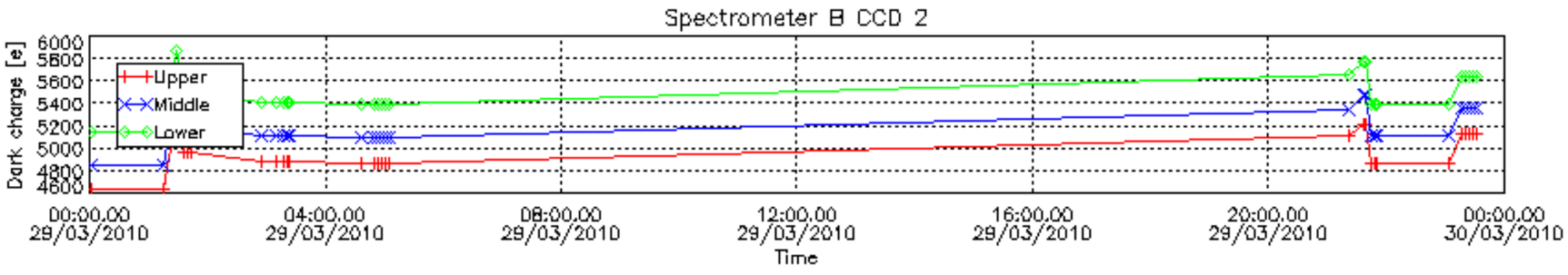

Spectrometers
var_temp_sp[C]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
SPA CCD1
SPA CCD2
SPB CCD1
SPB CCD2
00:00.00
29/03/2010
04:00.00
29/03/2010
08:00.00
29/03/2010
12:00.00
29/03/2010
16:00.00
29/03/2010
20:00.00
29/03/2010
00:00.00
30/03/2010
Time

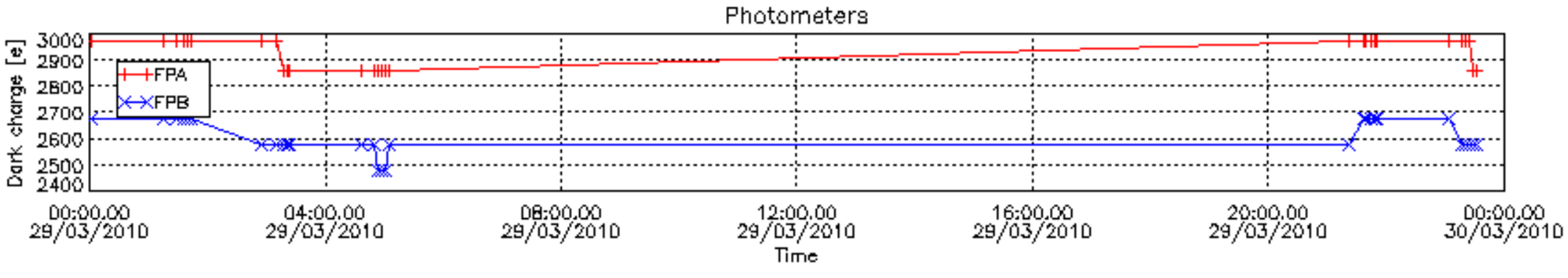

Photometers
var_temp_fp [C]
6.4
6.2
6.0
5.8
5.6
5.4
5.2
5.0
FPA
FPB
00:00.00
29/03/2010
04:00.00
29/03/2010
08:00.00
29/03/2010
12:00.00
29/03/2010
16:00.00
29/03/2010
20:00.00
29/03/2010
00:00.00
30/03/2010
Time

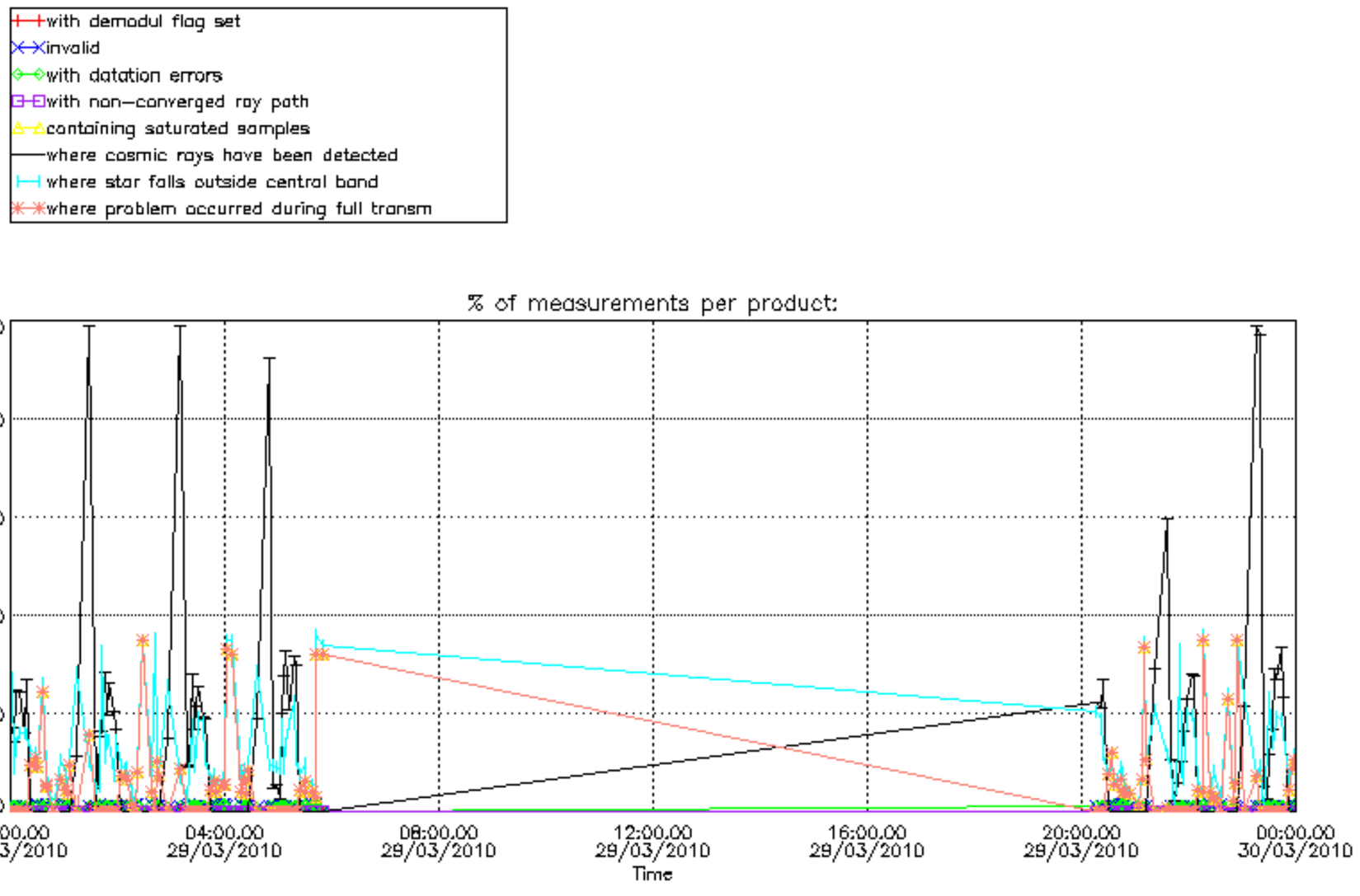

Spectrometer A CCD 1
Dark charge [e]
5400
5200
5000
4800
4600
4400
4200
Upper
Middle
Lower
00:00.00 29/03/2010
04:00.00 29/03/2010
08:00.00 29/03/2010
12:00.00 29/03/2010
16:00.00 29/03/2010
20:00.00 29/03/2010
00:00.00 30/03/2010
Time

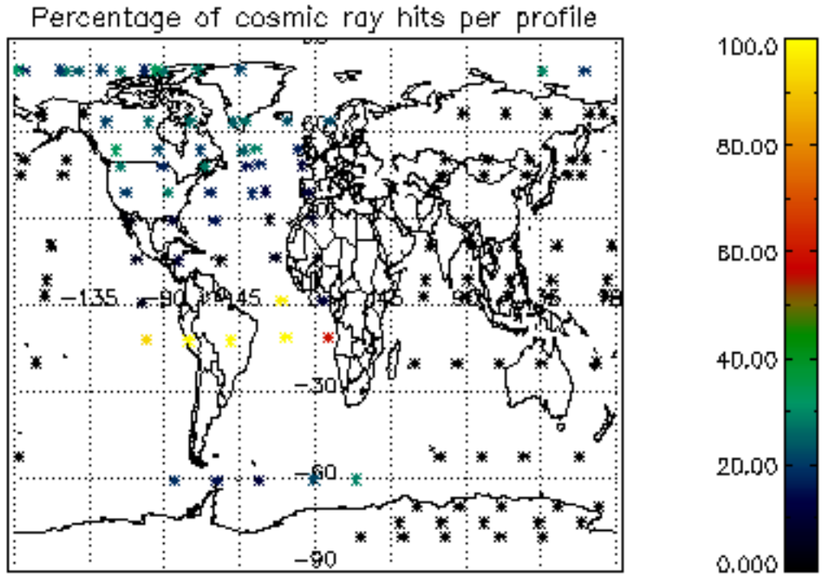

Spectrometer A CCD 2
Dark charge [e]
6000
5500
5000
4500
4000
Upper
Middle
Lower
00:00.00 29/03/2010
04:00.00 29/03/2010
08:00.00 29/03/2010
12:00.00 29/03/2010
16:00.00 29/03/2010
20:00.00 29/03/2010
00:00.00 30/03/2010
Time

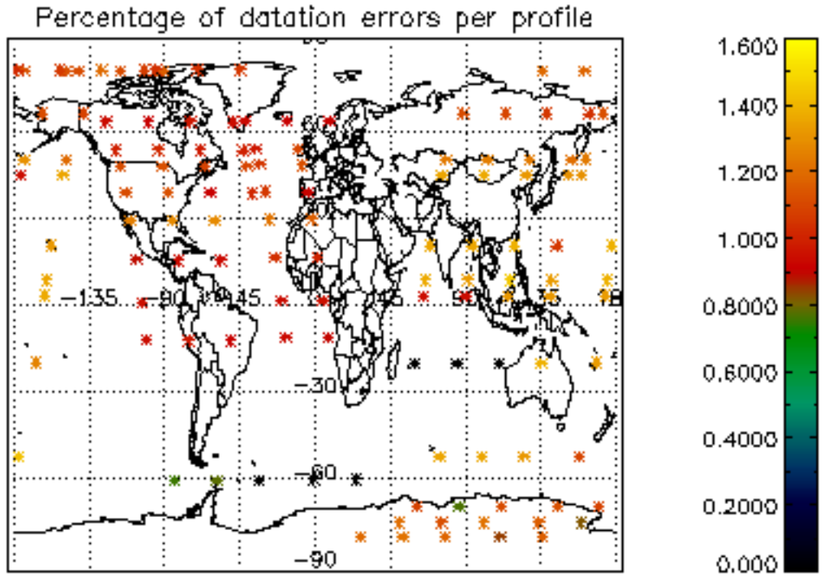

Spectrometer B CCD 1
Dark charge [e]
6500
6000
5500
5000
4500
Upper
Middle
Lower
00:00.00 29/03/2010
04:00.00 29/03/2010
08:00.00 29/03/2010
12:00.00 29/03/2010
16:00.00 29/03/2010
20:00.00 29/03/2010
00:00.00 30/03/2010
Time

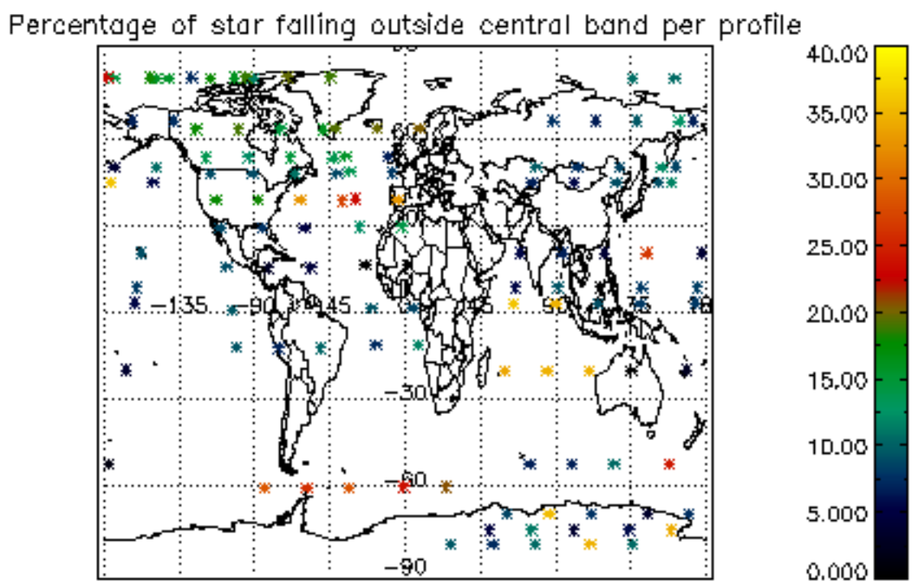

Spectrometer B CCD 2
Dark charge [e]
6000
5800
5600
5400
5200
5000
4800
4600
Upper
Middle
Lower
00:00.00 29/03/2010
04:00.00 29/03/2010
08:00.00 29/03/2010
12:00.00 29/03/2010
16:00.00 29/03/2010
20:00.00 29/03/2010
00:00.00 30/03/2010
Time

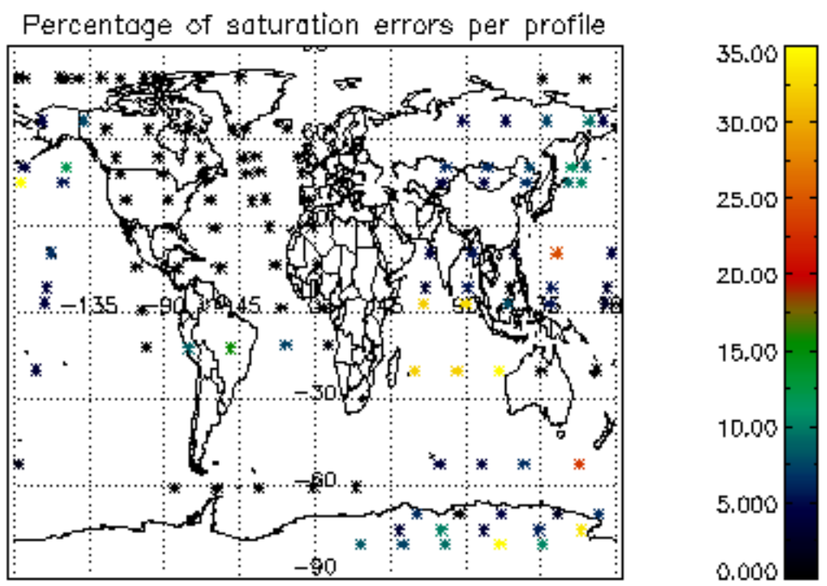

Photometers
Dark charge [e]
3000
2900
2800
2700
2600
2500
2400
FPA
FPB
00:00.00 29/03/2010
04:00.00 29/03/2010
08:00.00 29/03/2010
12:00.00 29/03/2010
16:00.00 29/03/2010
20:00.00 29/03/2010
00:00.00 30/03/2010
Time


with demodul flag set
invalid
with datation errors
with non-converged ray path
containing saturated samples
where cosmic rays have been detected
where star falls outside central band
where problem occurred during full transm
% of measurements per product:
100
80
60
40
20
0
value (%)
00:00.00 29/03/2010
04:00.00 29/03/2010
08:00.00 29/03/2010
12:00.00 29/03/2010
16:00.00 29/03/2010
20:00.00 29/03/2010
00:00.00 30/03/2010
Time

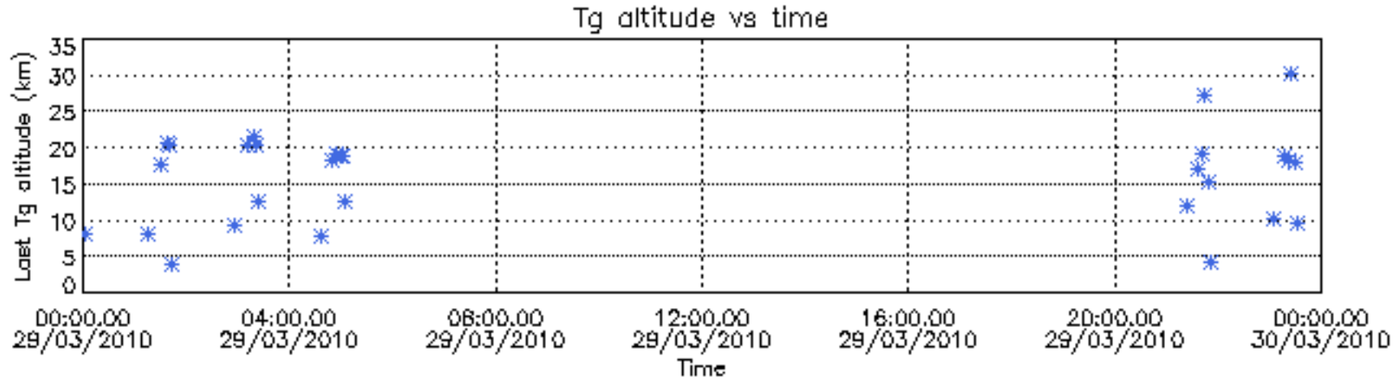

Percentage of cosmic ray hits per profile
100.0
80.00
60.00
40.00
20.00
0.000
−135
−90
−45
−30
−60
−90

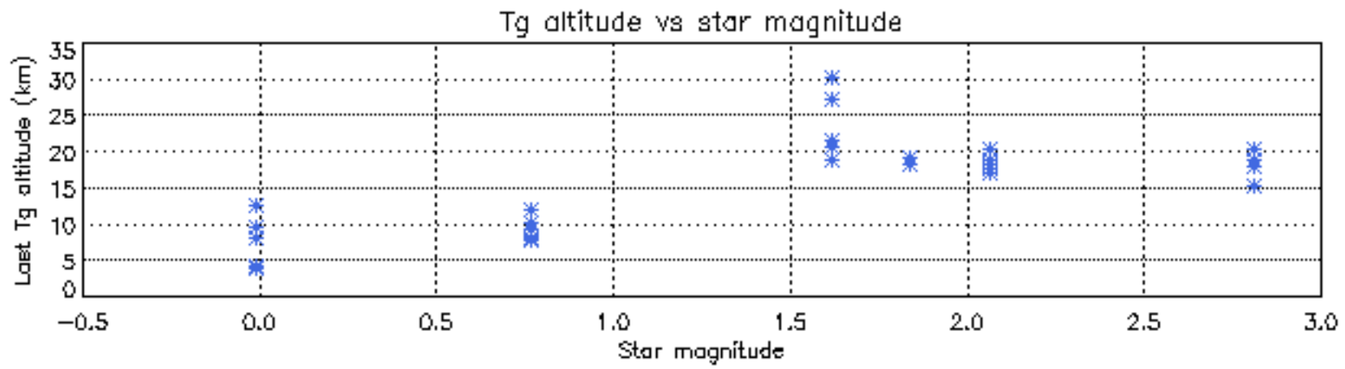

Percentage of datation errors per profile
1.600
1.400
1.200
1.000
0.8000
0.6000
0.4000
0.2000
0.000
−135
−90
−45
−30
−60
−90

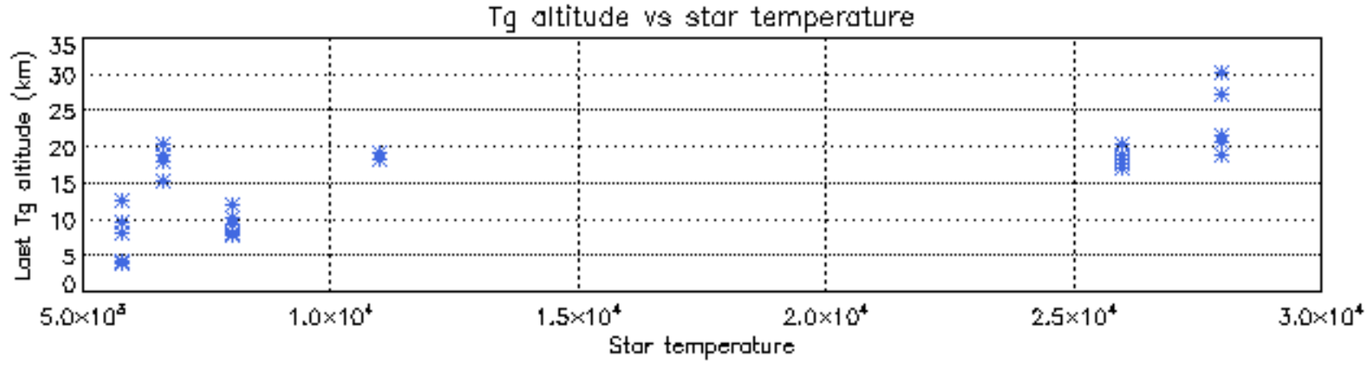

Percentage of star falling outside central band per profile
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−45
−30
−60
−90


Percentage of saturation errors per profile
35.00
30.00
25.00
20.00
15.00
10.00
5.000
0.000
−135
−90
−45
−30
−60
−90

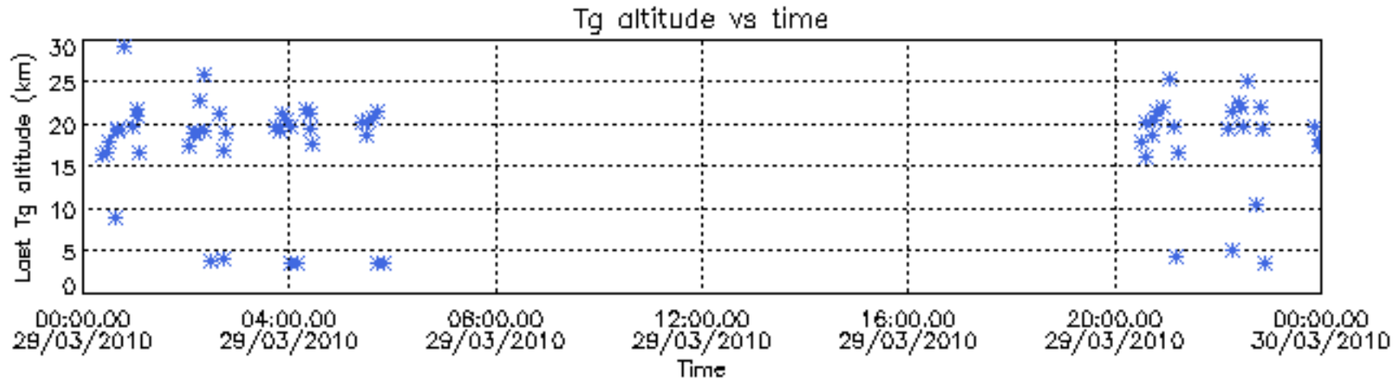
Tangent altitude at which the star is lost

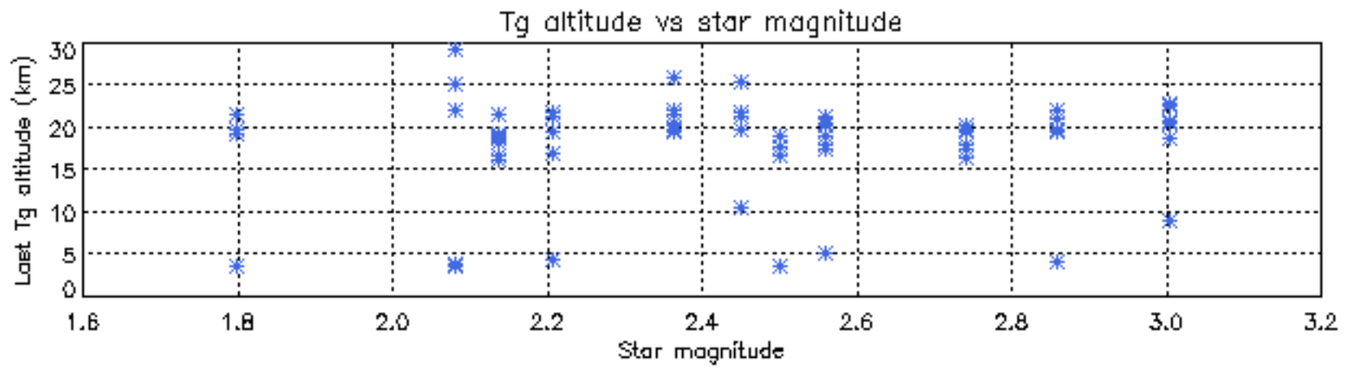


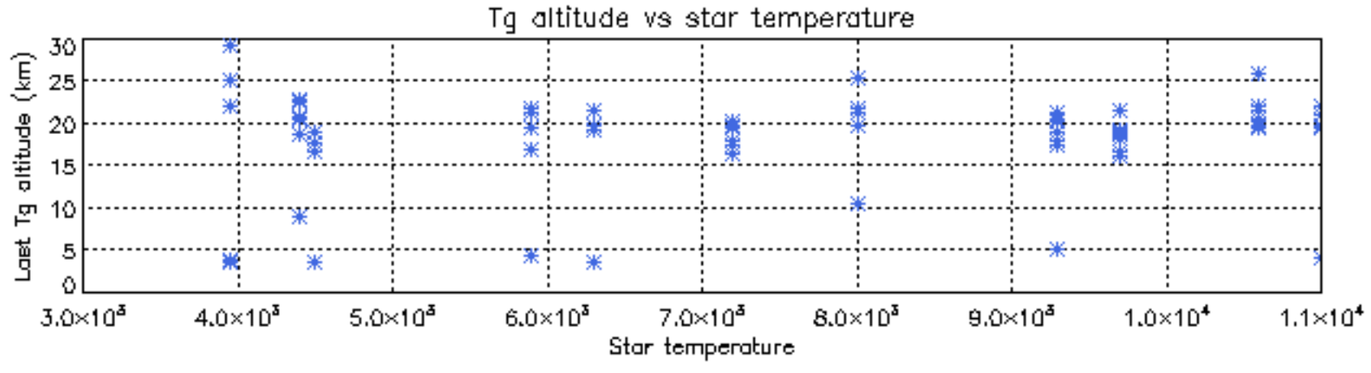


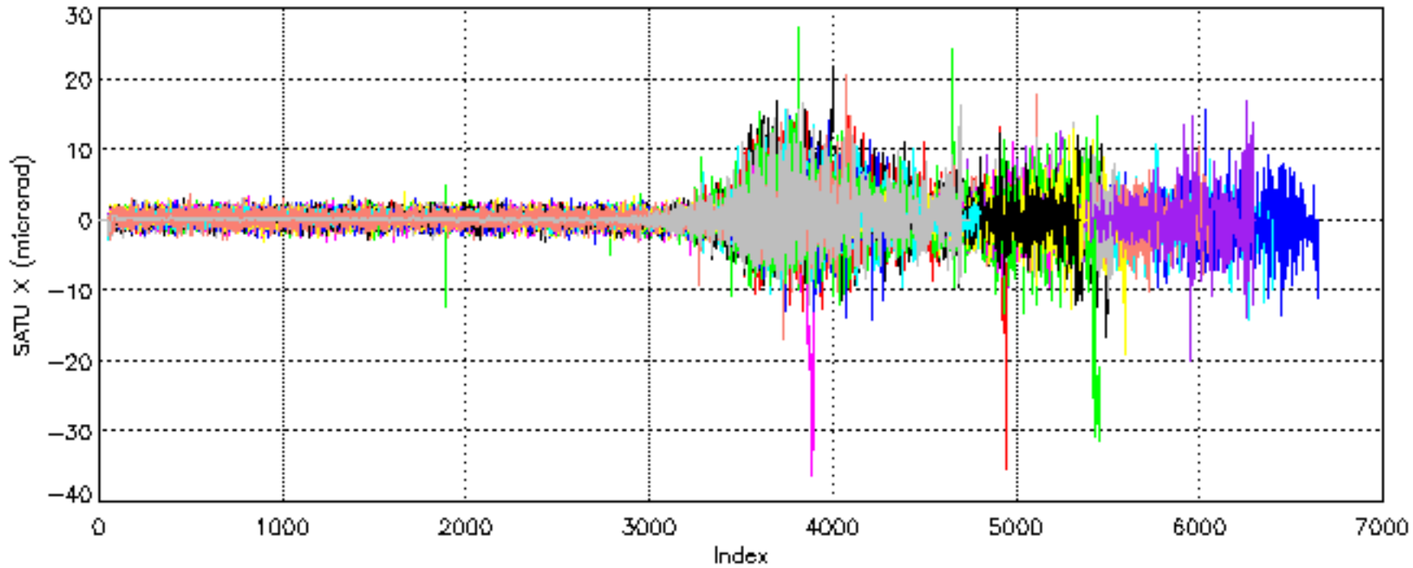


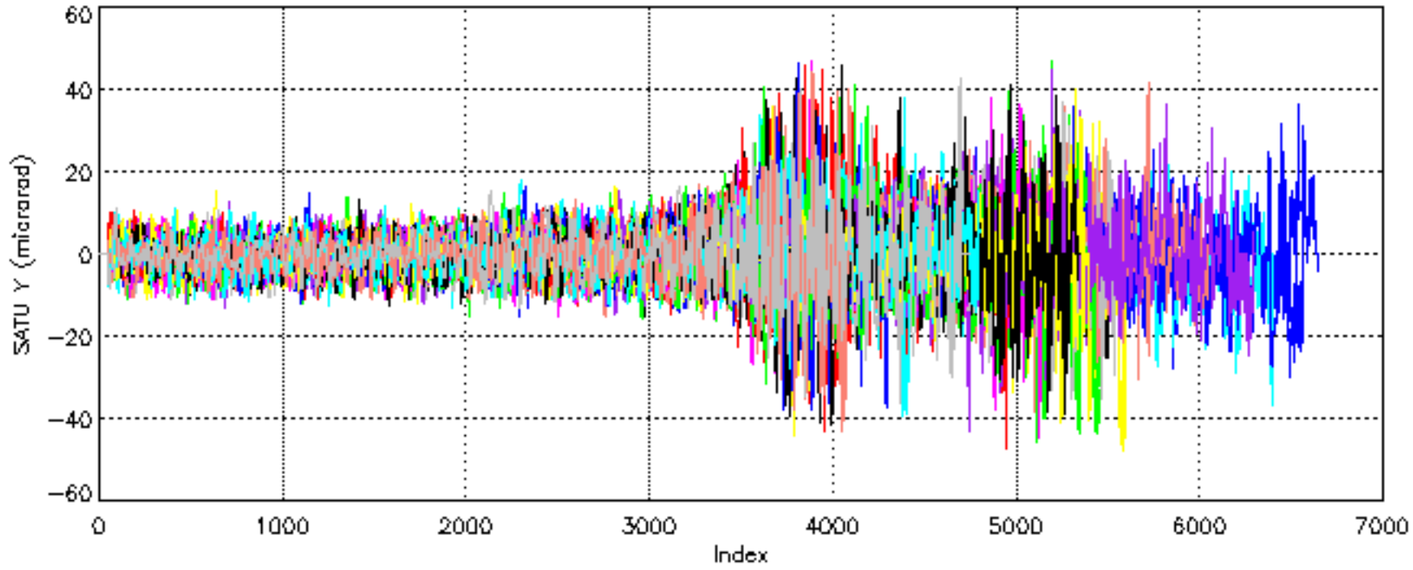
Tangent altitude at which the star is lost

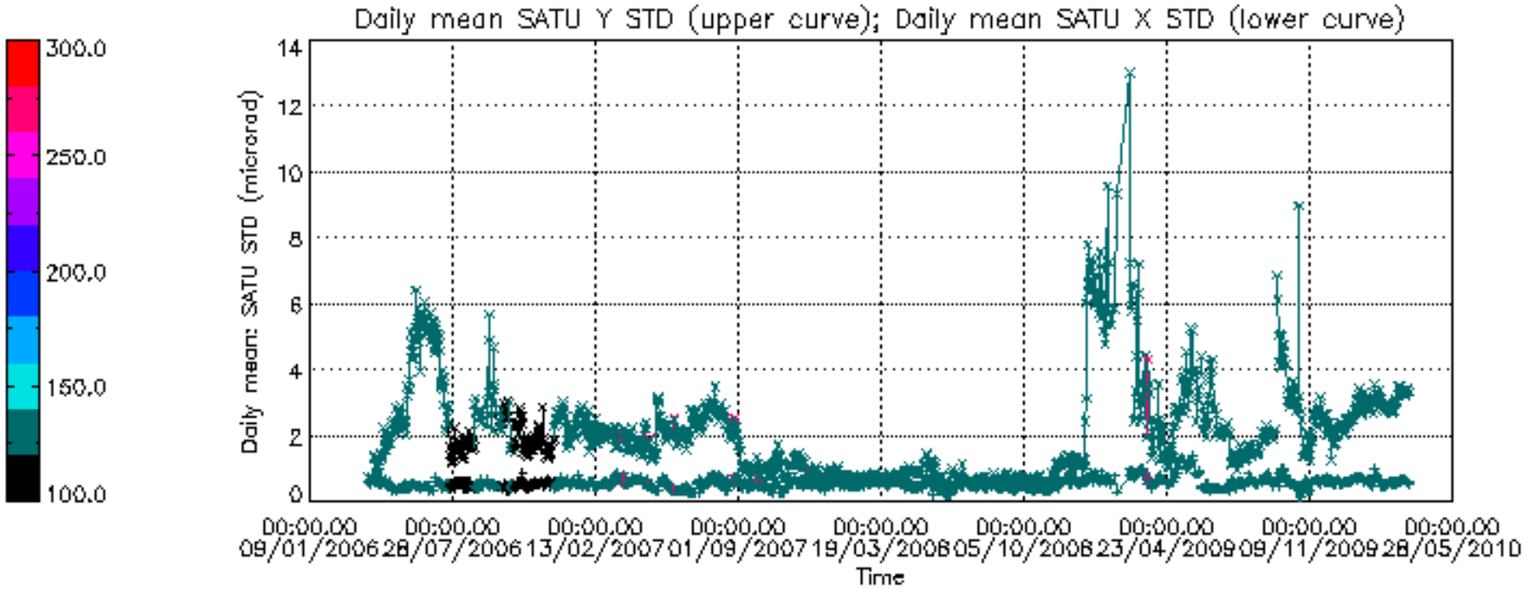







30
20
10
0
−10
−20
−30
−40
SATU X (microrad)
0
1000
2000
3000
4000
5000
6000
7000
Index


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

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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
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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
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  28; 6382.0; 04-MAR-2010 03:04:03; Dark  ;  49.0;  131;   Gam Lup  ; 2.80; 26000;occ;  98;   0;41869
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  13; 5618.7; 14-MAR-2010 12:40:33; Dark  ;  46.0;   57; 34Sig Sgr  ; 2.07; 26000;occ;  92;   0;42018
  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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  20; 3655.0; 17-MAR-2010 00:29:23; Bright; 50.0; 119; 14Eta Dra ; 2.73; 4700;occ; 100;   0;42054
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   4; -121.1; 21-MAR-2010 00:41:11; Dark  ;  58.5;   38; 20Eps Sgr  ; 1.84; 11000;occ; 117;   0;42111
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  20; 2193.1; 21-MAR-2010 04:40:57; Bright; 44.5;   62; 94Bet Leo ; 2.14; 9700;occ; 89;   0;42114
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  17; 6258.2; 21-MAR-2010 09:09:54; Dark  ;  40.5;  141;   Bet Ara  ; 2.84;  4600;occ;  81;   0;42116
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   5; 3102.3; 21-MAR-2010 09:57:54; Bright;  46.5;   55; 79Zet UMa  ; 2.06; 10200;occ;  93;   0;42117
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  21; 3387.9; 21-MAR-2010 23:27:27; Bright;  42.0;   60;  7Bet UMi  ; 2.08;  3950;occ;  84;   0;42125
  22; 3610.6; 21-MAR-2010 23:31:10; Bright;  50.0;  119; 14Eta Dra  ; 2.73;  4700;occ; 100;   0;42125
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   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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  19; 2975.1; 22-MAR-2010 01:01:10; Bright;  40.0;   36; 50Alp UMa  ; 1.80;  6300;occ;  80;   0;42126
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   9;  831.9; 22-MAR-2010 02:06:03; Dark  ;  50.0;   81;   Eta Cen  ; 2.36; 28000;occ; 100;   0;42127
  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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  19; 3094.7; 22-MAR-2010 02:43:45; Bright;  47.0;   55; 79Zet UMa  ; 2.06; 10200;occ;  94;   0;42127
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  14;  832.7; 22-MAR-2010 03:46:39; Dark  ;  49.5;   81;   Eta Cen  ; 2.36; 28000;occ;  99;   0;42128
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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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   2; 978.2; 24-MAR-2010 19:31:50; Dark ; 42.0;   64;   Gam Cen ; 2.20; 10600;occ; 84;   0;42166
   3; 1123.5; 24-MAR-2010 19:34:16; Dark ; 46.0; 123;   Iot Cen ; 2.75; 10200;occ; 92;   0;42166
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   5; 1564.0; 24-MAR-2010 19:41:36; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94;   0;42166
   6; 1901.4; 24-MAR-2010 19:47:14; Bright; 51.0; 121; 29Gam Vir ; 2.74; 7200;occ; 102;   0;42166
   7; 2178.6; 24-MAR-2010 19:51:51; Bright; 59.0;   62; 94Bet Leo ; 2.14; 9700;occ; 118;   0;42166
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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
  14; 3583.4; 24-MAR-2010 20:15:16; Bright;  47.0;  119; 14Eta Dra  ; 2.73;  4700;occ;  94;   0;42166
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  14; 1564.4; 25-MAR-2010 02:24:00; Dark  ;  46.0;  100;  4Gam Crv  ; 2.58; 13100;occ;  92;   0;42170
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  16; 2177.7; 25-MAR-2010 02:34:13; Bright;  43.0;   62; 94Bet Leo  ; 2.14;  9700;occ;  86;   0;42170
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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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   6; 2678.1; 25-MAR-2010 14:26:45; Bright;  38.0;  174; 52Psi UMa  ; 3.00;  4400;occ;  76;   0;42177
   7; 2876.0; 25-MAR-2010 14:30:03; Bright;  37.0;   82; 48Bet UMa  ; 2.37; 10600;occ;  74;   0;42177
   8; 2967.5; 25-MAR-2010 14:31:35; Bright;  37.5;   36; 50Alp UMa  ; 1.80;  6300;occ;  75;   0;42177
   9; 3059.5; 25-MAR-2010 14:33:07; Bright;  45.0;   55; 79Zet UMa  ; 2.06; 10200;occ;  90;   0;42177
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  11; 3576.1; 25-MAR-2010 14:41:43; Bright;  45.0;  119; 14Eta Dra  ; 2.73;  4700;occ;  90;   0;42177
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  19; 5887.7; 25-MAR-2010 15:20:15; Dark  ;  58.5;  137; 22Lam Sgr  ; 2.82;  4400;occ; 117;   0;42177
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  24; 6665.4; 25-MAR-2010 15:33:12; Dark  ;  43.0;    4;   Alp1Cen  ;-0.01;  5800;occ;  86;   0;42178
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   3; 1898.8; 25-MAR-2010 15:54:22; Bright;  50.0;  121; 29Gam Vir  ; 2.74;  7200;occ; 100;   0;42178
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  11; 3575.6; 25-MAR-2010 16:22:19; Bright;  45.0;  119; 14Eta Dra  ; 2.73;  4700;occ;  90;   0;42178
  12; 3905.6; 25-MAR-2010 16:27:49; Bright;  37.0;   89;  5Alp Cep  ; 2.45;  8000;occ;  74;   0;42178
  13; 4214.8; 25-MAR-2010 16:32:58; Bright;  40.0;   19; 50Alp Cyg  ; 1.25; 10500;occ;  80;   0;42178
  14; 4311.5; 25-MAR-2010 16:34:35; Bright;  43.0;   66; 37Gam Cyg  ; 2.21;  5900;occ;  86;   0;42178
  15; 4423.9; 25-MAR-2010 16:36:27; Bright;  40.5;   92; 53Eps Cyg  ; 2.50;  4500;occ;  81;   0;42178
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  15; 2174.9; 25-MAR-2010 22:41:22; Bright;  40.5;   62; 94Bet Leo  ; 2.14;  9700;occ;  81;   0;42182
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  25; 4424.3; 25-MAR-2010 23:18:51; Bright;  41.5;   92; 53Eps Cyg  ; 2.50;  4500;occ;  83;   0;42182
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   7;  631.8; 25-MAR-2010 23:56:15; Dark  ;  54.5;    4;   Alp1Cen  ;-0.01;  5800;occ; 109;   0;42183
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  13; 1566.1; 26-MAR-2010 00:11:49; Dark  ;  46.5;  100;  4Gam Crv  ; 2.58; 13100;occ;  93;   0;42183
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  18; 2875.0; 26-MAR-2010 00:33:38; Bright;  37.5;   82; 48Bet UMa  ; 2.37; 10600;occ;  75;   0;42183
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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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   9; 2675.1; 26-MAR-2010 20:37:29; Bright; 40.5; 174; 52Psi UMa ; 3.00; 4400;occ; 81;   0;42195
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  22; 4312.0; 26-MAR-2010 22:45:22; Bright; 39.5;   66; 37Gam Cyg ; 2.21; 5900;occ; 79;   0;42196
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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; 4202.6; 30-MAR-2010 12:14:05; Bright; 44.0; 144; 18Del Cyg ; 2.86; 11000;occ; 88;   0;42247
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   5; 2161.1; 31-MAR-2010 19:31:26; Bright;  40.0;   62; 94Bet Leo  ; 2.14;  9700;occ;  80;   0;42266
   6; 2257.0; 31-MAR-2010 19:33:02; Bright;  37.0;   96; 68Del Leo  ; 2.56;  9300;occ;  74;   0;42266
   7; 2666.7; 31-MAR-2010 19:39:51; Bright;  34.5;  174; 52Psi UMa  ; 3.00;  4400;occ;  69;   0;42266
   8; 2849.7; 31-MAR-2010 19:42:54; Bright;  38.5;   87; 64Gam UMa  ; 2.43; 11000;occ;  77;   0;42266
   9; 2958.4; 31-MAR-2010 19:44:43; Bright;  37.5;   36; 50Alp UMa  ; 1.80;  6300;occ;  75;   0;42266
  10; 3339.4; 31-MAR-2010 19:51:04; Bright;  38.5;   60;  7Bet UMi  ; 2.08;  3950;occ;  77;   0;42266
  11; 3902.3; 31-MAR-2010 20:00:27; Bright;  39.5;   89;  5Alp Cep  ; 2.45;  8000;occ;  79;   0;42266
  12; 4200.0; 31-MAR-2010 20:05:25; Bright;  48.5;  144; 18Del Cyg  ; 2.86; 11000;occ;  97;   0;42266
  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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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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