

GOMOS Daily Report 05-APR-2010

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	08APR2010 04:50:29
Data source version	GOMOS/5.00L04
Start time of products	05APR2010 00:02:38
Stop time of products	05APR2010 23:54:58
Store outputs in DB	Yes
Nb of level 1b prods	148
Nb of prods with errors	0

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

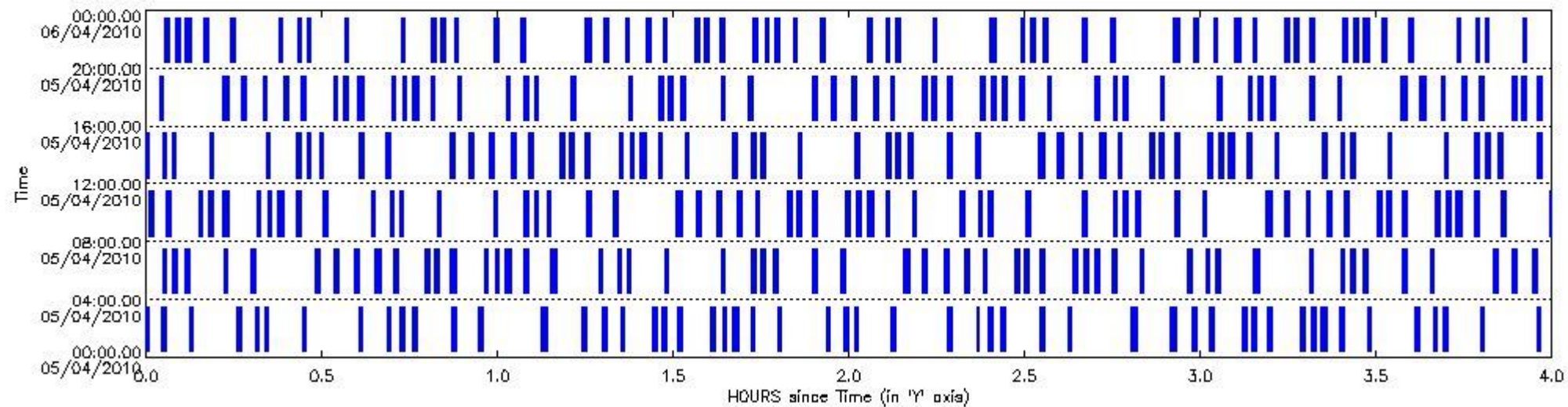
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

No missing products.

2.4 Summary of processed GOM_TRA_1P products

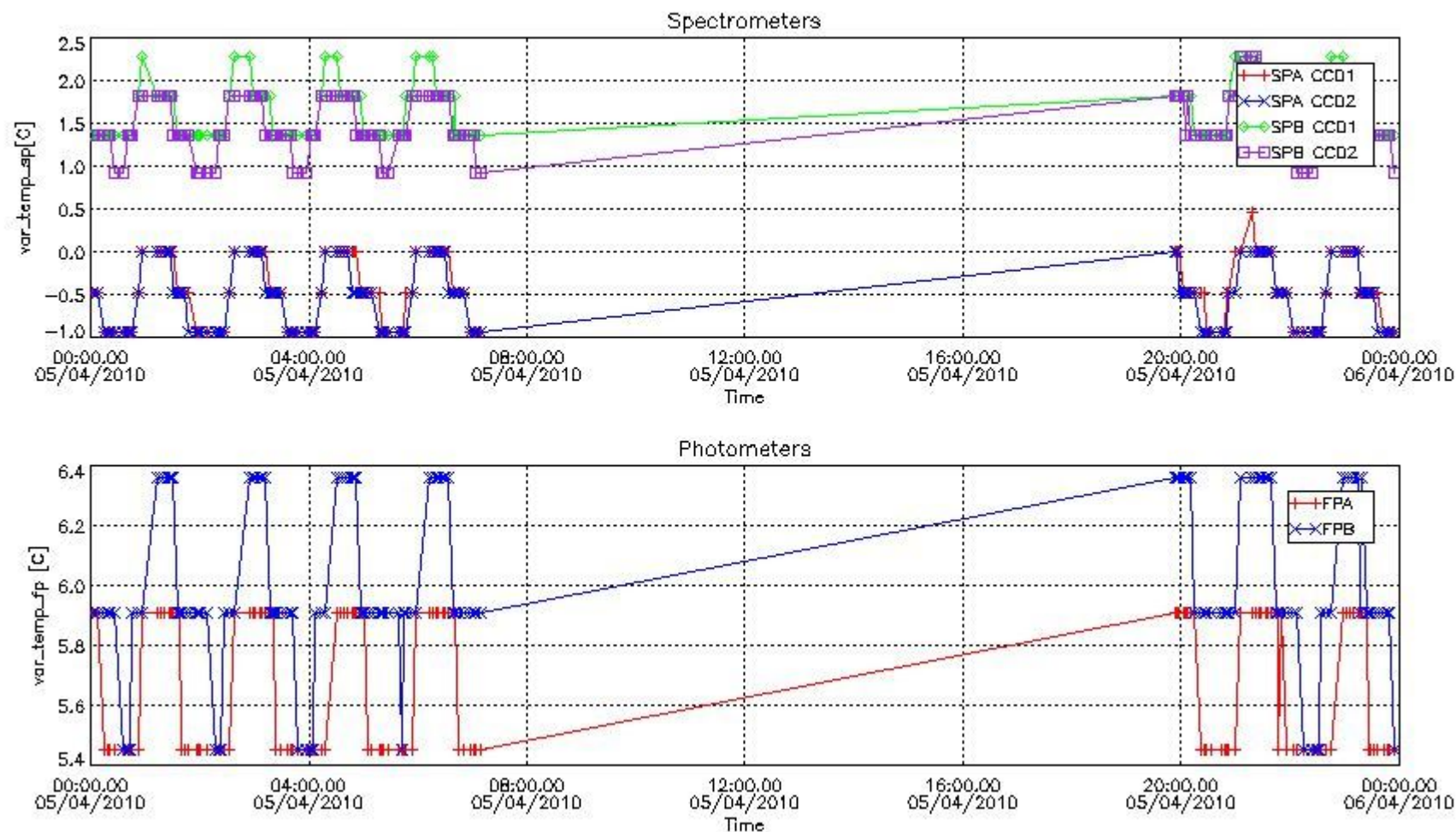
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100405_000238_000000432088_00188_42326_1786.N1	05-APR-2010 00:02:38	Bright	42.500	121	29Gam Vir	2.7400	7200.0	85	42326	No
2	GOM_TRA_1PNPDE20100405_000716_000000382088_00188_42326_1787.N1	05-APR-2010 00:07:16	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	42326	No
3	GOM_TRA_1PNPDE20100405_001529_000000422088_00188_42326_1788.N1	05-APR-2010 00:15:29	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	42326	No
4	GOM_TRA_1PNPDE20100405_001837_000000352088_00188_42326_1789.N1	05-APR-2010 00:18:37	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	42326	No
5	GOM_TRA_1PNPDE20100405_002016_000000382088_00188_42326_1790.N1	05-APR-2010 00:20:16	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	42326	No
6	GOM_TRA_1PNPDE20100405_002640_000000382088_00188_42326_1791.N1	05-APR-2010 00:26:40	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	42326	No
7	GOM_TRA_1PNPDE20100405_003618_000000392088_00188_42326_1792.N1	05-APR-2010 00:36:18	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42326	No
8	GOM_TRA_1PNPDE20100405_004110_000000282088_00188_42326_1793.N1	05-APR-2010 00:41:10	Twilight_stray	28.000	144	18Del Cyg	2.8600	11000.	56	42326	No
9	GOM_TRA_1PNPDE20100405_004312_000000472088_00188_42326_1794.N1	05-APR-2010 00:43:12	Bright	47.000	66	37Gam Cyg	2.2080	5900.0	94	42326	No
10	GOM_TRA_1PNPDE20100405_004520_000000472088_00188_42326_1795.N1	05-APR-2010 00:45:20	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	42326	No
11	GOM_TRA_1PNPDE20100405_005203_000000482088_00188_42326_1796.N1	05-APR-2010 00:52:03	Twilight_stray	47.500	61	8Eps Peg	2.1000	3900.0	95	42326	No
12	GOM_TRA_1PNPDE20100405_005644_000000432088_00188_42326_1797.N1	05-APR-2010 00:56:44	Dark	42.500	154	22Bet Aqr	2.8990	5700.0	85	42326	No

13	GOM_TRA_1PNPDE20100405_011418_000000542088_00189_42327_1806.N1	05-APR-2010 01:14:18	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	42327	No
14	GOM_TRA_1PNPDE20100405_011752_000000532088_00189_42327_1807.N1	05-APR-2010 01:17:52	Dark	53.000	40	The Sco	1.8590	7100.0	106	42327	No
15	GOM_TRA_1PNPDE20100405_012100_000000392088_00189_42327_1808.N1	05-APR-2010 01:21:00	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	42327	No
16	GOM_TRA_1PNPDE20100405_012628_000000442088_00189_42327_1809.N1	05-APR-2010 01:26:28	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42327	No
17	GOM_TRA_1PNPDE20100405_012805_000000462088_00189_42327_1810.N1	05-APR-2010 01:28:05	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	42327	No
18	GOM_TRA_1PNPDE20100405_013043_000000512088_00189_42327_1811.N1	05-APR-2010 01:30:43	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	42327	No
19	GOM_TRA_1PNPDE20100405_013627_000000462088_00189_42327_1812.N1	05-APR-2010 01:36:27	Tw_i_and_stray	45.500	106	9Bet Crv	2.6480	5600.0	91	42327	No
20	GOM_TRA_1PNPDE20100405_013821_000000442088_00189_42327_1813.N1	05-APR-2010 01:38:21	Tw_i_and_stray	43.500	100	4Gam Crv	2.5800	13100.	87	42327	No
21	GOM_TRA_1PNPDE20100405_014003_000000662088_00189_42327_1814.N1	05-APR-2010 01:40:03	Bright	66.000	15	67Alp Vir	0.97600	28000.	132	42327	No
22	GOM_TRA_1PNPDE20100405_014314_000000432088_00189_42327_1815.N1	05-APR-2010 01:43:14	Bright	43.000	121	29Gam Vir	2.7400	7200.0	86	42327	No
23	GOM_TRA_1PNPDE20100405_014752_000000392088_00189_42327_1816.N1	05-APR-2010 01:47:52	Bright	39.000	62	94Bet Leo	2.1360	9700.0	78	42327	No
24	GOM_TRA_1PNPDE20100405_015604_000000422088_00189_42327_1817.N1	05-APR-2010 01:56:04	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	42327	No
25	GOM_TRA_1PNPDE20100405_015912_000000392088_00189_42327_1818.N1	05-APR-2010 01:59:12	Bright	38.500	87	64Gam UMa	2.4330	11000.	77	42327	No
26	GOM_TRA_1PNPDE20100405_020052_000000392088_00189_42327_1819.N1	05-APR-2010 02:00:52	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	42327	No
27	GOM_TRA_1PNPDE20100405_020715_000000412088_00189_42327_1820.N1	05-APR-2010 02:07:15	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42327	No
28	GOM_TRA_1PNPDE20100405_021654_000000372088_00189_42327_1821.N1	05-APR-2010 02:16:54	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42327	No
29	GOM_TRA_1PNPDE20100405_022146_000000282088_00189_42327_1822.N1	05-APR-2010 02:21:46	Tw_i_and_stray	28.000	144	18Del Cyg	2.8600	11000.	56	42327	No
30	GOM_TRA_1PNPDE20100405_022348_000000462088_00189_42327_1823.N1	05-APR-2010 02:23:48	Bright	45.500	66	37Gam Cyg	2.2080	5900.0	91	42327	No
31	GOM_TRA_1PNPDE20100405_022556_000000452088_00189_42327_1824.N1	05-APR-2010 02:25:56	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	42327	No
32	GOM_TRA_1PNPDE20100405_023239_000000492088_00189_42327_1825.N1	05-APR-2010 02:32:39	Tw_i_and_stray	48.500	61	8Eps Peg	2.1000	3900.0	97	42327	No
33	GOM_TRA_1PNPDE20100405_023720_000000452088_00189_42327_1826.N1	05-APR-2010 02:37:20	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	42327	No
34	GOM_TRA_1PNPDE20100405_025455_000000512088_00190_42328_1827.N1	05-APR-2010 02:54:55	Dark	51.000	38	20Eps Sgr	1.8360	11000.	102	42328	No
35	GOM_TRA_1PNPDE20100405_025830_000000542088_00190_42328_1828.N1	05-APR-2010 02:58:30	Dark	53.500	40	The Sco	1.8590	7100.0	107	42328	No
36	GOM_TRA_1PNPDE20100405_030136_000000412088_00190_42328_1829.N1	05-APR-2010 03:01:36	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	42328	No
37	GOM_TRA_1PNPDE20100405_030705_000000482088_00190_42328_1830.N1	05-APR-2010 03:07:05	Straylight	47.500	78	Alp Lup	2.3040	28000.	95	42328	No
38	GOM_TRA_1PNPDE20100405_030841_000000482088_00190_42328_1831.N1	05-APR-2010 03:08:41	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	42328	No
39	GOM_TRA_1PNPDE20100405_031119_000000542088_00190_42328_1832.N1	05-APR-2010 03:11:19	Straylight	54.000	54	5The Cen	2.0550	4500.0	108	42328	No
40	GOM_TRA_1PNPDE20100405_031703_000000452088_00190_42328_1833.N1	05-APR-2010 03:17:03	Tw_i_and_stray	45.000	106	9Bet Crv	2.6480	5600.0	90	42328	No
41	GOM_TRA_1PNPDE20100405_031858_000000432088_00190_42328_1834.N1	05-APR-2010 03:18:58	Tw_i_and_stray	42.500	100	4Gam Crv	2.5800	13100.	85	42328	No
42	GOM_TRA_1PNPDE20100405_032039_000000602088_00190_42328_1835.N1	05-APR-2010 03:20:39	Bright	60.000	15	67Alp Vir	0.97600	28000.	120	42328	No
43	GOM_TRA_1PNPDE20100405_032349_000000432088_00190_42328_1836.N1	05-APR-2010 03:23:49	Bright	43.000	121	29Gam Vir	2.7400	7200.0	86	42328	No
44	GOM_TRA_1PNPDE20100405_032828_000000382088_00190_42328_1837.N1	05-APR-2010 03:28:28	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	42328	No
45	GOM_TRA_1PNPDE20100405_033639_000000412088_00190_42328_1838.N1	05-APR-2010 03:36:39	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	42328	No
46	GOM_TRA_1PNPDE20100405_033948_000000372088_00190_42328_1839.N1	05-APR-2010 03:39:48	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	42328	No
47	GOM_TRA_1PNPDE20100405_034128_000000412088_00190_42328_1840.N1	05-APR-2010 03:41:28	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	42328	No
48	GOM_TRA_1PNPDE20100405_034751_000000402088_00190_42328_1841.N1	05-APR-2010 03:47:51	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42328	No
49	GOM_TRA_1PNPDE20100405_035730_000000382088_00190_42328_1842.N1	05-APR-2010 03:57:30	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42328	No
50	GOM_TRA_1PNPDE20100405_040243_000000442088_00190_42328_1843.N1	05-APR-2010 04:02:43	Bright	44.000	19	50Alp Cyg	1.2460	10500.	88	42328	No
51	GOM_TRA_1PNPDE20100405_040424_000000492088_00190_42328_1844.N1	05-APR-2010 04:04:24	Bright	48.500	66	37Gam Cyg	2.2080	5900.0	97	42328	No
52	GOM_TRA_1PNPDE20100405_040632_000000492088_00190_42328_1845.N1	05-APR-2010 04:06:32	Bright	48.500	92	53Eps Cyg	2.5000	4500.0	97	42328	No
53	GOM_TRA_1PNPDE20100405_041315_000000422088_00190_42328_1846.N1	05-APR-2010 04:13:15	Tw_i_and_stray	42.000	61	8Eps Peg	2.1000	3900.0	84	42328	No
54	GOM_TRA_1PNPDE20100405_041756_000000422088_00190_42328_1847.N1	05-APR-2010 04:17:56	Dark	42.000	154	22Bet Aqr	2.8990	5700.0	84	42328	No
55	GOM_TRA_1PNPDE20100405_043155_000000532088_00190_42328_1848.N1	05-APR-2010 04:31:55	Dark	52.500	103	38Zet Sgr	2.6000	9700.0	105	42328	No
56	GOM_TRA_1PNPDE20100405_043532_000000512088_00191_42329_1849.N1	05-APR-2010 04:35:32	Dark	51.000	38	20Eps Sgr	1.8360	11000.	102	42329	No
57	GOM_TRA_1PNPDE20100405_043907_000000532088_00191_42329_1850.N1	05-APR-2010 04:39:07	Dark	52.500	40	The Sco	1.8590	7100.0	105	42329	No
58	GOM_TRA_1PNPDE20100405_044213_000000412088_00191_42329_1851.N1	05-APR-2010 04:42:13	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	42329	No
59	GOM_TRA_1PNPDE20100405_044741_000000432088_00191_42329_1852.N1	05-APR-2010 04:47:41	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42329	No
60	GOM_TRA_1PNPDE20100405_044918_000000452088_00191_42329_1853.N1	05-APR-2010 04:49:18	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42329	No
61	GOM_TRA_1PNPDE20100405_045156_000000542088_00191_42329_1854.N1	05-APR-2010 04:51:56	Straylight	53.500	54	5The Cen	2.0550	4500.0	107	42329	No
62	GOM_TRA_1PNPDE20100405_045739_000000462088_00191_42329_1855.N1	05-APR-2010 04:57:39	Tw_i_and_stray	45.500	106	9Bet Crv	2.6480	5600.0	91	42329	No
63	GOM_TRA_1PNPDE20100405_045934_000000432088_00191_42329_1856.N1	05-APR-2010 04:59:34	Tw_i_and_stray	42.500	100	4Gam Crv	2.5800	13100.	85	42329	No
64	GOM_TRA_1PNPDE20100405_050115_000000582088_00191_42329_1857.N1	05-APR-2010 05:01:15	Bright	58.000	15	67Alp Vir	0.97600	28000.	116	42329	No
65	GOM_TRA_1PNPDE20100405_050425_000000432088_00191_42329_1858.N1	05-APR-2010 05:04:25	Bright	42.500	121	29Gam Vir	2.7400	7200.0	85	42329	No
66	GOM_TRA_1PNPDE20100405_050904_000000542088_00191_42329_1859.N1	05-APR-2010 05:09:04	Bright	54.000	62	94Bet Leo	2.1360	9700.0	108	42329	No
67	GOM_TRA_1PNPDE20100405_051715_000000432088_00191_42329_1860.N1	05-APR-2010 05:17:15	Bright	42.500	152	12Alp2CVn	2.8900	11000.	85	42329	No
68	GOM_TRA_1PNPDE20100405_052024_000000382088_00191_42329_1861.N1	05-APR-2010 05:20:24	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	42329	No
69	GOM_TRA_1PNPDE20100405_052203_000000412088_00191_42329_1862.N1	05-APR-2010 05:22:03	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	42329	No
70	GOM_TRA_1PNPDE20100405_052827_000000402088_00191_42329_1863.N1	05-APR-2010 05:28:27	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42329	No
71	GOM_TRA_1PNPDE20100405_053806_000000382088_00191_42329_1866.N1	05-APR-2010 05:38:06	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	42329	No

72	GOM_TRA_1PNPDE20100405_054319_000000442088_00191_42329_1867.N1	05-APR-2010 05:43:19	Bright	43.500	19	50Alp Cyg	1.2460	10500.	87	42329	No
73	GOM_TRA_1PNPDE20100405_054500_000000492088_00191_42329_1868.N1	05-APR-2010 05:45:00	Bright	48.500	66	37Gam Cyg	2.2080	5900.0	97	42329	No
74	GOM_TRA_1PNPDE20100405_054708_000000462088_00191_42329_1869.N1	05-APR-2010 05:47:08	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	42329	No
75	GOM_TRA_1PNPDE20100405_055351_000000452088_00191_42329_1870.N1	05-APR-2010 05:53:51	Tw_i_and_stray	45.000	61	8Eps Peg	2.1000	3900.0	90	42329	No
76	GOM_TRA_1PNPDE20100405_055833_000000462088_00191_42329_1871.N1	05-APR-2010 05:58:33	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	42329	No
77	GOM_TRA_1PNPDE20100405_061233_000000532088_00191_42329_1872.N1	05-APR-2010 06:12:33	Dark	53.000	103	38Zet Sgr	2.6000	9700.0	106	42329	No
78	GOM_TRA_1PNPDE20100405_061610_000000472088_00192_42330_1873.N1	05-APR-2010 06:16:10	Dark	47.000	38	20Eps Sgr	1.8360	11000.	94	42330	No
79	GOM_TRA_1PNPDE20100405_061944_000000502088_00192_42330_1874.N1	05-APR-2010 06:19:44	Dark	50.000	40	The Sco	1.8590	7100.0	100	42330	No
80	GOM_TRA_1PNPDE20100405_062249_000000382088_00192_42330_1875.N1	05-APR-2010 06:22:49	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	42330	No
81	GOM_TRA_1PNPDE20100405_062818_000000422088_00192_42330_1876.N1	05-APR-2010 06:28:18	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42330	No
82	GOM_TRA_1PNPDE20100405_062955_000000482088_00192_42330_1877.N1	05-APR-2010 06:29:55	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42330	No
83	GOM_TRA_1PNPDE20100405_063232_000000512088_00192_42330_1878.N1	05-APR-2010 06:32:32	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	42330	No
84	GOM_TRA_1PNPDE20100405_063815_000000462088_00192_42330_1879.N1	05-APR-2010 06:38:15	Tw_i_and_stray	45.500	106	9Bet Crv	2.6480	5600.0	91	42330	No
85	GOM_TRA_1PNPDE20100405_064010_000000432088_00192_42330_1880.N1	05-APR-2010 06:40:10	Tw_i_and_stray	43.000	100	4Gam Crv	2.5800	13100.	86	42330	No
86	GOM_TRA_1PNPDE20100405_064151_000000602088_00192_42330_1881.N1	05-APR-2010 06:41:51	Bright	60.000	15	67Alp Vir	0.97600	28000.	120	42330	No
87	GOM_TRA_1PNPDE20100405_064501_000000432088_00192_42330_1882.N1	05-APR-2010 06:45:01	Bright	42.500	121	29Gam Vir	2.7400	7200.0	85	42330	No
88	GOM_TRA_1PNPDE20100405_064940_000000392088_00192_42330_1883.N1	05-APR-2010 06:49:40	Bright	39.000	62	94Bet Leo	2.1360	9700.0	78	42330	No
89	GOM_TRA_1PNPDE20100405_065750_000000422088_00192_42330_1884.N1	05-APR-2010 06:57:50	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	42330	No
90	GOM_TRA_1PNPDE20100405_070100_000000382088_00192_42330_1885.N1	05-APR-2010 07:01:00	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	42330	No
91	GOM_TRA_1PNPDE20100405_070239_000000402088_00192_42330_1886.N1	05-APR-2010 07:02:39	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	42330	No
92	GOM_TRA_1PNPDE20100405_070902_000000572088_00192_42330_1887.N1	05-APR-2010 07:09:02	Bright	56.500	60	7Bet UMi	2.0810	3950.0	113	42330	No
93	GOM_TRA_1PNPDE20100405_195310_000000452088_00200_42338_1968.N1	05-APR-2010 19:53:10	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	42338	No
94	GOM_TRA_1PNPDE20100405_195447_000000482088_00200_42338_1969.N1	05-APR-2010 19:54:47	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	42338	No
95	GOM_TRA_1PNPDE20100405_195723_000000512088_00200_42338_1970.N1	05-APR-2010 19:57:23	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	42338	No
96	GOM_TRA_1PNPDE20100405_200304_000000462088_00200_42338_1971.N1	05-APR-2010 20:03:04	Tw_i_and_stray	46.000	106	9Bet Crv	2.6480	5600.0	92	42338	No
97	GOM_TRA_1PNPDE20100405_200458_000000422088_00200_42338_1972.N1	05-APR-2010 20:04:58	Tw_i_and_stray	41.500	100	4Gam Crv	2.5800	13100.	83	42338	No
98	GOM_TRA_1PNPDE20100405_200639_000000592088_00200_42338_1973.N1	05-APR-2010 20:06:39	Bright	59.000	15	67Alp Vir	0.97600	28000.	118	42338	No
99	GOM_TRA_1PNPDE20100405_200948_000000422088_00200_42338_1974.N1	05-APR-2010 20:09:48	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	42338	No
100	GOM_TRA_1PNPDE20100405_201427_000000382088_00200_42338_1975.N1	05-APR-2010 20:14:27	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	42338	No
101	GOM_TRA_1PNPDE20100405_202234_000000412088_00200_42338_1976.N1	05-APR-2010 20:22:34	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	42338	No
102	GOM_TRA_1PNPDE20100405_202546_000000372088_00200_42338_1977.N1	05-APR-2010 20:25:46	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42338	No
103	GOM_TRA_1PNPDE20100405_202723_000000422088_00200_42338_1978.N1	05-APR-2010 20:27:23	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	42338	No
104	GOM_TRA_1PNPDE20100405_203347_000000382088_00200_42338_1979.N1	05-APR-2010 20:33:47	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	42338	No
105	GOM_TRA_1PNPDE20100405_204328_000000382088_00200_42338_1980.N1	05-APR-2010 20:43:28	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42338	No
106	GOM_TRA_1PNPDE20100405_204841_000000472088_00200_42338_1981.N1	05-APR-2010 20:48:41	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	42338	No
107	GOM_TRA_1PNPDE20100405_205023_000000492088_00200_42338_1982.N1	05-APR-2010 20:50:23	Bright	48.500	66	37Gam Cyg	2.2080	5900.0	97	42338	No
108	GOM_TRA_1PNPDE20100405_205232_000000462088_00200_42338_1983.N1	05-APR-2010 20:52:32	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	42338	No
109	GOM_TRA_1PNPDE20100405_205917_000000462088_00200_42338_1984.N1	05-APR-2010 20:59:17	Tw_i_and_stray	45.500	61	8Eps Peg	2.1000	3900.0	91	42338	No
110	GOM_TRA_1PNPDE20100405_210400_000000442088_00200_42338_1985.N1	05-APR-2010 21:04:00	Dark	43.500	154	22Bet Aqr	2.8990	5700.0	87	42338	No
111	GOM_TRA_1PNPDE20100405_211808_000000542088_00200_42338_1986.N1	05-APR-2010 21:18:08	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	42338	No
112	GOM_TRA_1PNPDE20100405_212146_000000352088_00201_42339_1987.N1	05-APR-2010 21:21:46	Dark	35.000	38	20Eps Sgr	1.8360	11000.	70	42339	No
113	GOM_TRA_1PNPDE20100405_212517_000000502088_00201_42339_1988.N1	05-APR-2010 21:25:17	Dark	49.500	40	The Sco	1.8590	7100.0	99	42339	No
114	GOM_TRA_1PNPDE20100405_212817_000000392088_00201_42339_1989.N1	05-APR-2010 21:28:17	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	42339	No
115	GOM_TRA_1PNPDE20100405_213346_000000432088_00201_42339_1990.N1	05-APR-2010 21:33:46	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	42339	No
116	GOM_TRA_1PNPDE20100405_213523_000000482088_00201_42339_1991.N1	05-APR-2010 21:35:23	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42339	No
117	GOM_TRA_1PNPDE20100405_213800_000000512088_00201_42339_1992.N1	05-APR-2010 21:38:00	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	42339	No
118	GOM_TRA_1PNPDE20100405_214340_000000432088_00201_42339_1993.N1	05-APR-2010 21:43:40	Tw_i_and_stray	42.500	106	9Bet Crv	2.6480	5600.0	85	42339	No
119	GOM_TRA_1PNPDE20100405_214534_000000422088_00201_42339_1994.N1	05-APR-2010 21:45:34	Tw_i_and_stray	42.000	100	4Gam Crv	2.5800	13100.	84	42339	No
120	GOM_TRA_1PNPDE20100405_214714_000000602088_00201_42339_1995.N1	05-APR-2010 21:47:14	Bright	59.500	15	67Alp Vir	0.97600	28000.	119	42339	No
121	GOM_TRA_1PNPDE20100405_215024_000000432088_00201_42339_1996.N1	05-APR-2010 21:50:24	Bright	43.000	121	29Gam Vir	2.7400	7200.0	86	42339	No
122	GOM_TRA_1PNPDE20100405_215502_000000542088_00201_42339_1997.N1	05-APR-2010 21:55:02	Bright	54.000	62	94Bet Leo	2.1360	9700.0	108	42339	No
123	GOM_TRA_1PNPDE20100405_220309_000000422088_00201_42339_1998.N1	05-APR-2010 22:03:09	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	42339	No
124	GOM_TRA_1PNPDE20100405_220621_000000382088_00201_42339_1999.N1	05-APR-2010 22:06:21	Bright	38.000	87	64Gam UMa	2.4330	11000.	76	42339	No
125	GOM_TRA_1PNPDE20100405_220759_000000422088_00201_42339_2000.N1	05-APR-2010 22:07:59	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	42339	No
126	GOM_TRA_1PNPDE20100405_221423_000000382088_00201_42339_2001.N1	05-APR-2010 22:14:23	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	42339	No
127	GOM_TRA_1PNPDE20100405_222404_000000552088_00201_42339_2002.N1	05-APR-2010 22:24:04	Bright	55.000	89	5Alp Cep	2.4510	8000.0	110	42339	No
128	GOM_TRA_1PNPDE20100405_222917_000000432088_00201_42339_2003.N1	05-APR-2010 22:29:17	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	42339	No
129	GOM_TRA_1PNPDE20100405_223058_000000502088_00201_42339_2004.N1	05-APR-2010 22:30:58	Bright	49.500	66	37Gam Cyg	2.2080	5900.0	99	42339	No
130	GOM_TRA_1PNPDE20100405_223308_000000452088_00201_42339_2005.N1	05-APR-2010 22:33:08	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	42339	No

131	GOM_TRA_1PNPDE20100405_223954_000000482088_00201_42339_2006.N1	05-APR-2010 22:39:54	Twilight_stray	48.000	61	8Eps Peg	2.1000	3900.0	96	42339	No
132	GOM_TRA_1PNPDE20100405_224436_000000432088_00201_42339_2007.N1	05-APR-2010 22:44:36	Dark	42.500	154	22Bet Aqr	2.8990	5700.0	85	42339	No
133	GOM_TRA_1PNPDE20100405_225845_000000542088_00201_42339_2006.N1	05-APR-2010 22:58:45	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	42339	No
134	GOM_TRA_1PNPDE20100405_230223_000000322088_00202_42340_2007.N1	05-APR-2010 23:02:23	Dark	32.000	38	20Eps Sgr	1.8360	11000.	64	42340	No
135	GOM_TRA_1PNPDE20100405_230554_000000532088_00202_42340_2008.N1	05-APR-2010 23:05:54	Dark	52.500	40	The Sco	1.8590	7100.0	105	42340	No
136	GOM_TRA_1PNPDE20100405_230853_000000422088_00202_42340_2009.N1	05-APR-2010 23:08:53	Dark	41.500	134	Bet TrA	2.8100	6600.0	83	42340	No
137	GOM_TRA_1PNPDE20100405_231423_000000452088_00202_42340_2010.N1	05-APR-2010 23:14:23	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	42340	No
138	GOM_TRA_1PNPDE20100405_231559_000000482088_00202_42340_2011.N1	05-APR-2010 23:15:59	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	42340	No
139	GOM_TRA_1PNPDE20100405_231836_000000502088_00202_42340_2012.N1	05-APR-2010 23:18:36	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	42340	No
140	GOM_TRA_1PNPDE20100405_232416_000000452088_00202_42340_2013.N1	05-APR-2010 23:24:16	Twilight_stray	45.000	106	9Bet Crv	2.6480	5600.0	90	42340	No
141	GOM_TRA_1PNPDE20100405_232610_000000452088_00202_42340_2014.N1	05-APR-2010 23:26:10	Twilight_stray	44.500	100	4Gam Crv	2.5800	13100.	89	42340	No
142	GOM_TRA_1PNPDE20100405_232750_000000582088_00202_42340_2015.N1	05-APR-2010 23:27:50	Bright	57.500	15	67Alp Vir	0.97600	28000.	115	42340	No
143	GOM_TRA_1PNPDE20100405_233100_000000422088_00202_42340_2016.N1	05-APR-2010 23:31:00	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	42340	No
144	GOM_TRA_1PNPDE20100405_233538_000000382088_00202_42340_2017.N1	05-APR-2010 23:35:38	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	42340	No
145	GOM_TRA_1PNPDE20100405_234344_000000412088_00202_42340_2018.N1	05-APR-2010 23:43:44	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	42340	No
146	GOM_TRA_1PNPDE20100405_234657_000000362088_00202_42340_2019.N1	05-APR-2010 23:46:57	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	42340	No
147	GOM_TRA_1PNPDE20100405_234834_000000402088_00202_42340_2020.N1	05-APR-2010 23:48:34	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	42340	No
148	GOM_TRA_1PNPDE20100405_235458_000000402088_00202_42340_2021.N1	05-APR-2010 23:54:58	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42340	No

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



4. Overview of dark signal processing per product

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

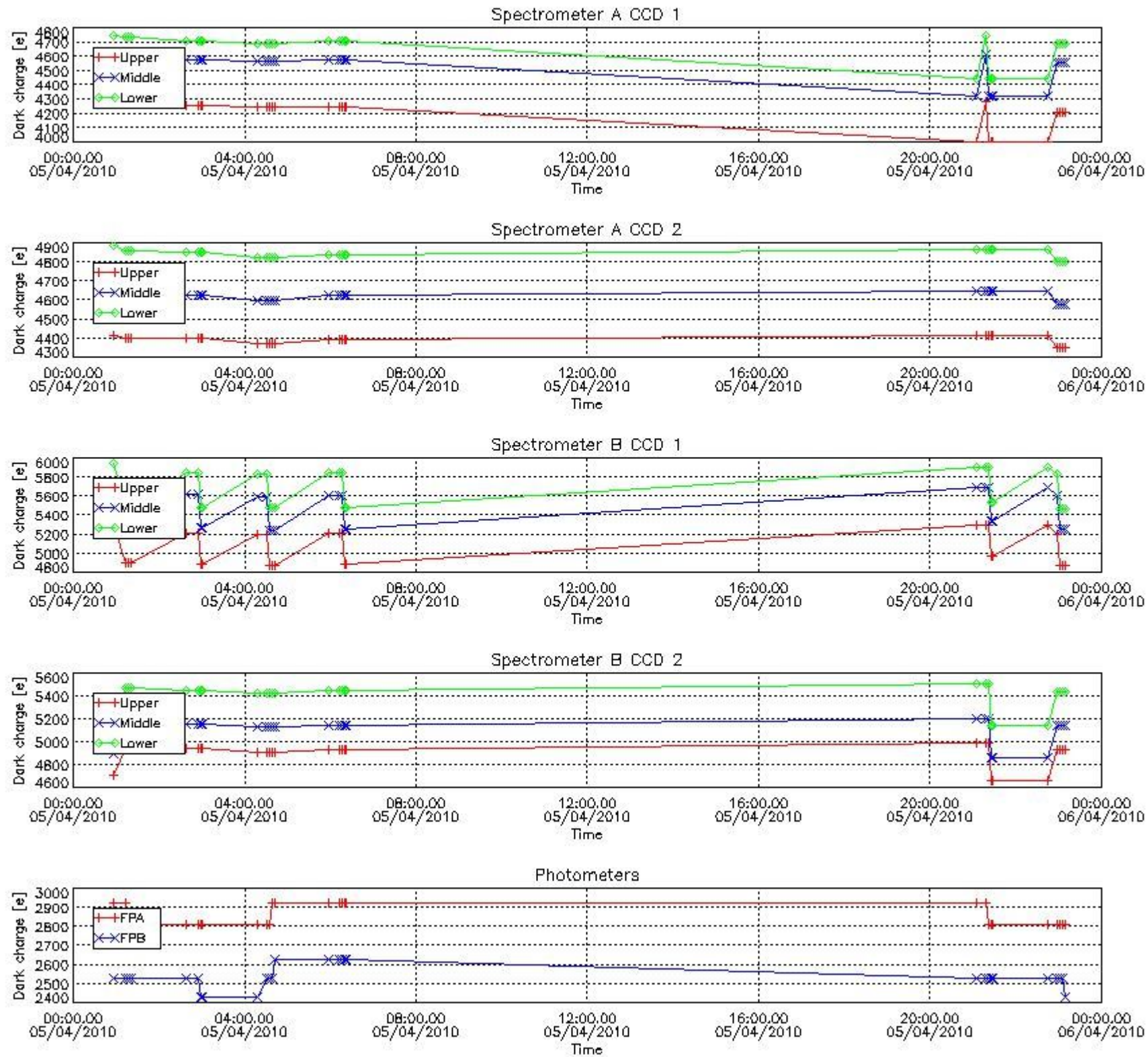
(a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100405_195310_000000452088_00200_42338_1968.N1	DC map used
GOM_TRA_1PNPDE20100405_195447_000000482088_00200_42338_1969.N1	DC map used
GOM_TRA_1PNPDE20100405_195723_000000512088_00200_42338_1970.N1	DC map used
GOM_TRA_1PNPDE20100405_200304_000000462088_00200_42338_1971.N1	DC map used
GOM_TRA_1PNPDE20100405_200458_000000422088_00200_42338_1972.N1	DC map used
GOM_TRA_1PNPDE20100405_200639_000000592088_00200_42338_1973.N1	DC map used
GOM_TRA_1PNPDE20100405_200948_000000422088_00200_42338_1974.N1	DC map used
GOM_TRA_1PNPDE20100405_201427_000000382088_00200_42338_1975.N1	DC map used
GOM_TRA_1PNPDE20100405_202234_000000412088_00200_42338_1976.N1	DC map used
GOM_TRA_1PNPDE20100405_202546_000000372088_00200_42338_1977.N1	DC map used
GOM_TRA_1PNPDE20100405_202723_000000422088_00200_42338_1978.N1	DC map used
GOM_TRA_1PNPDE20100405_203347_000000382088_00200_42338_1979.N1	DC map used
GOM_TRA_1PNPDE20100405_204328_000000382088_00200_42338_1980.N1	DC map used
GOM_TRA_1PNPDE20100405_204841_000000472088_00200_42338_1981.N1	DC map used
GOM_TRA_1PNPDE20100405_205023_000000492088_00200_42338_1982.N1	DC map used
GOM_TRA_1PNPDE20100405_205232_000000462088_00200_42338_1983.N1	DC map used
GOM_TRA_1PNPDE20100405_205917_000000462088_00200_42338_1984.N1	DC map used

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



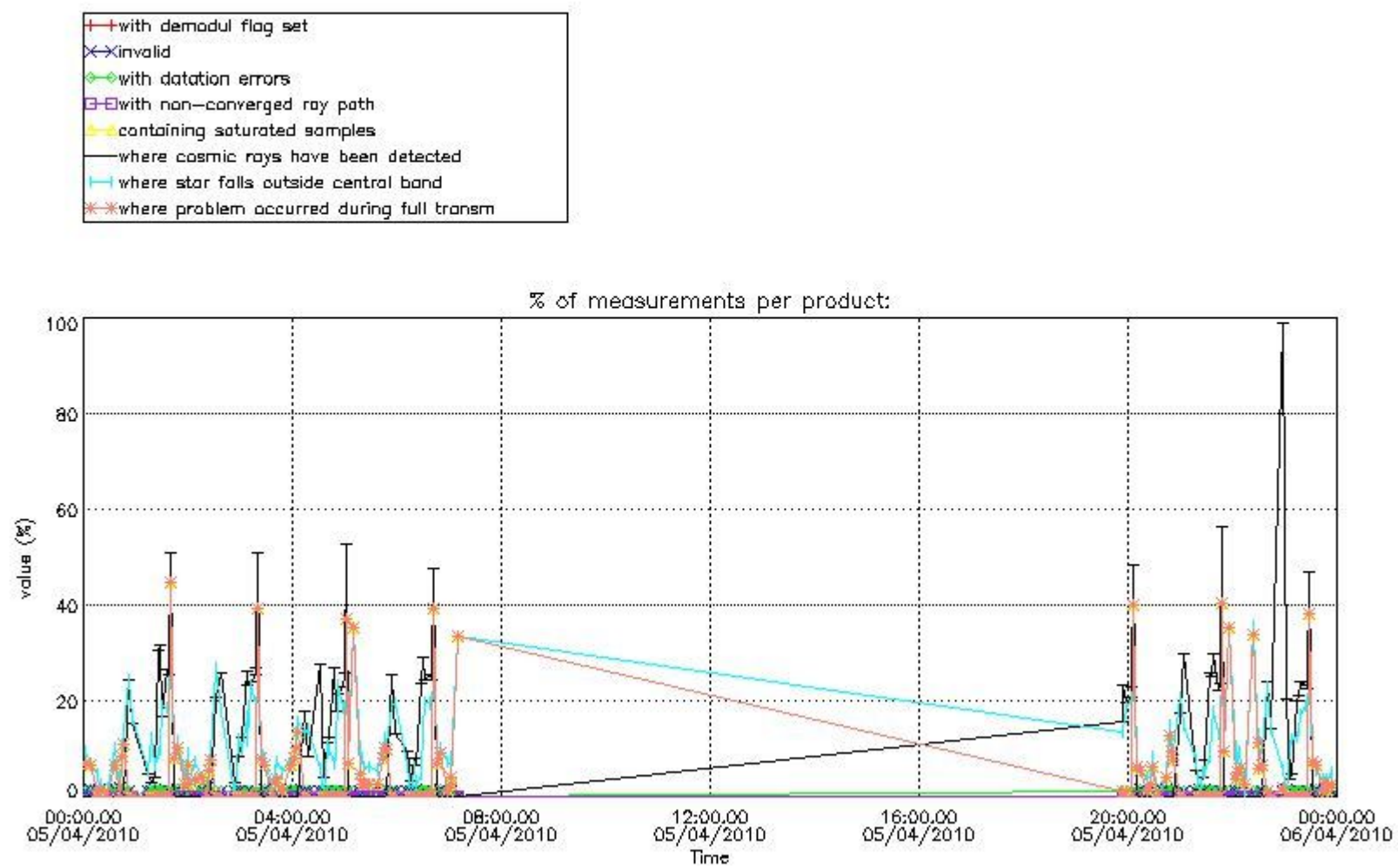
5. Demodulation flag and quality information monitoring

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.

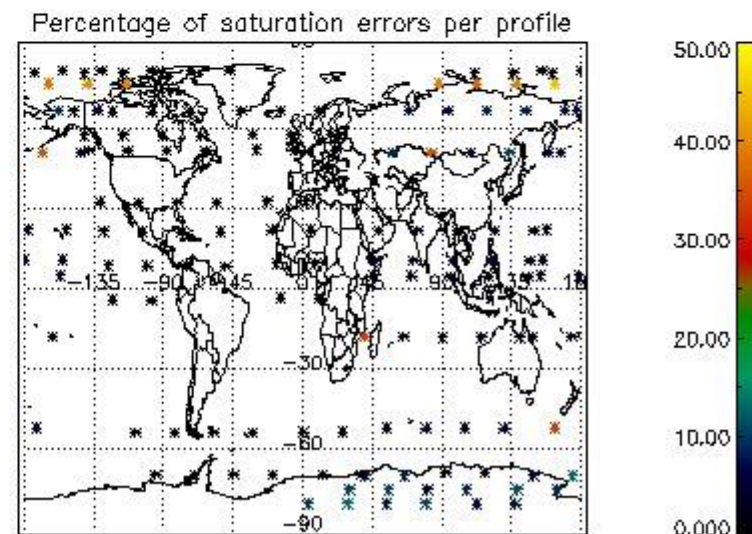
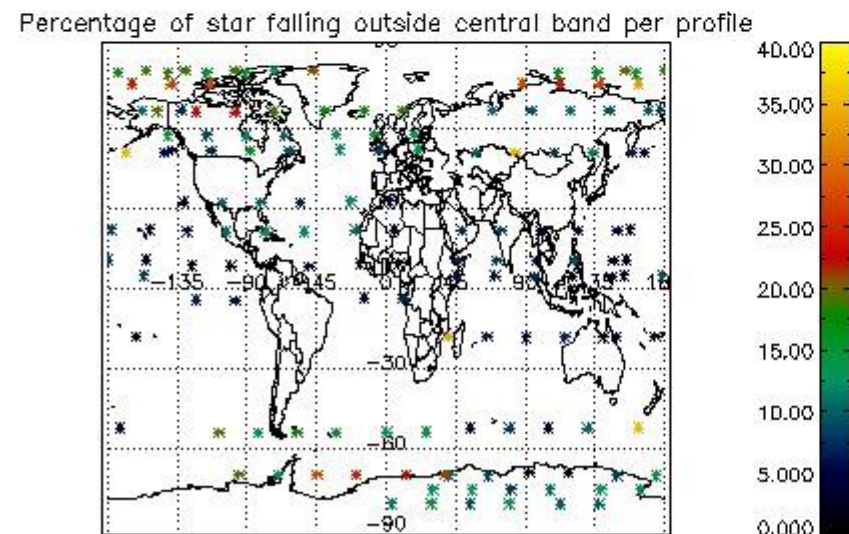
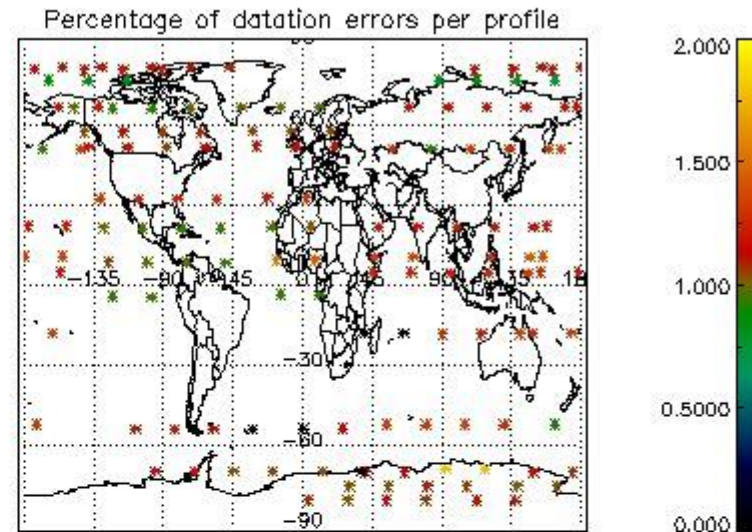
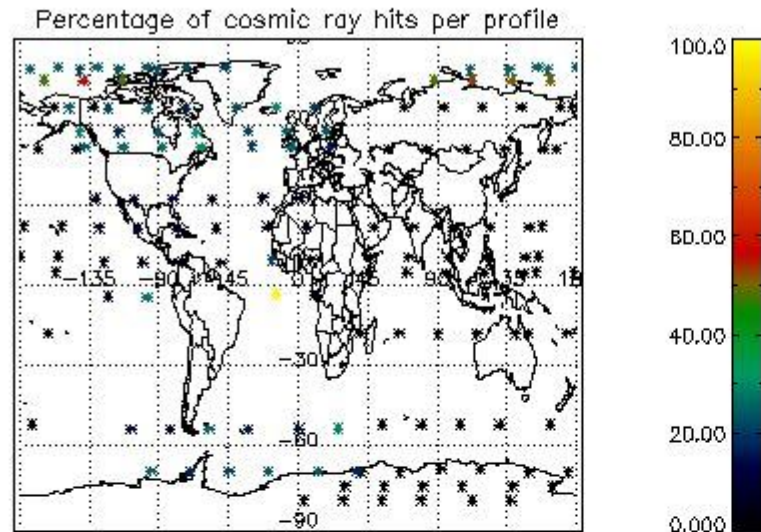
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	36.4865 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



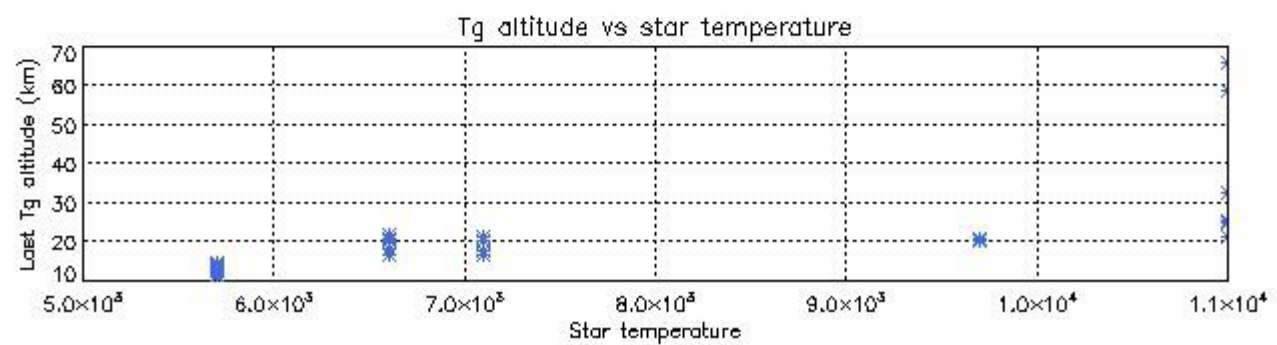
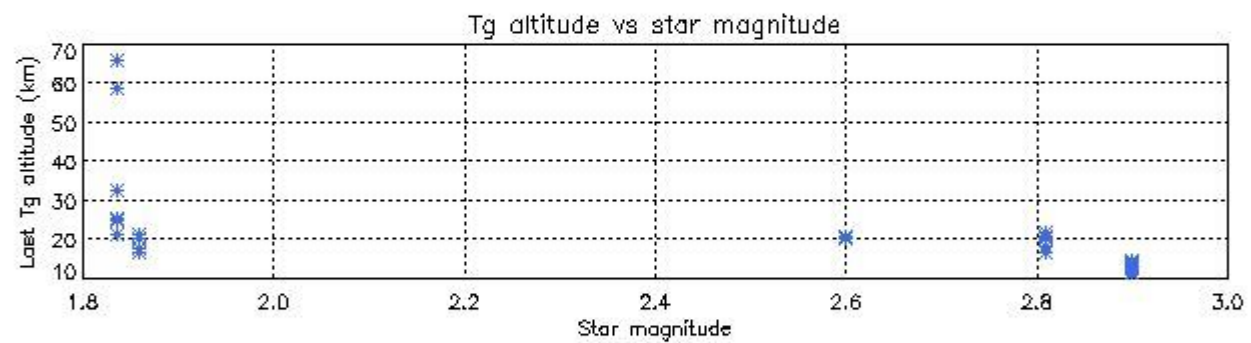
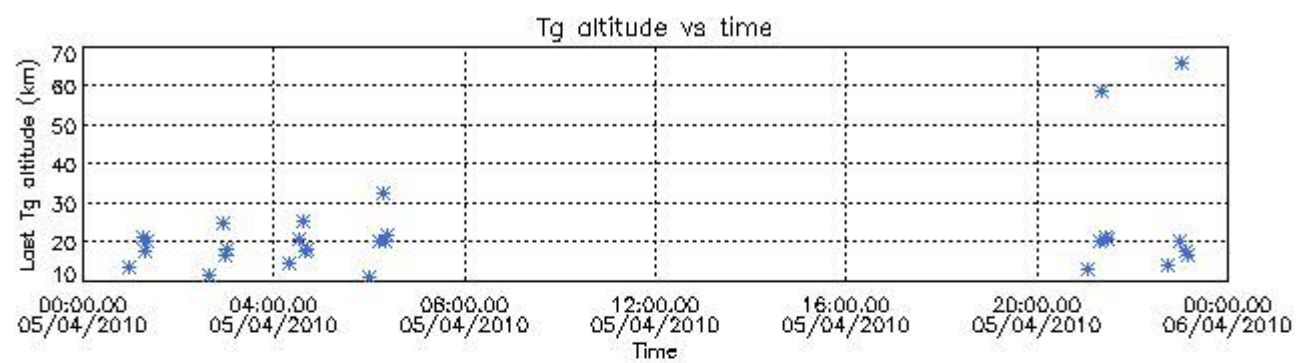
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	21.984	18.216	NaN
St. deviation:	12.250	5.4356	NaN
Maximum:	65.799	25.934	NaN
Minimum:	11.275	3.9655	NaN
Number of data:	28.000	77.000	NaN

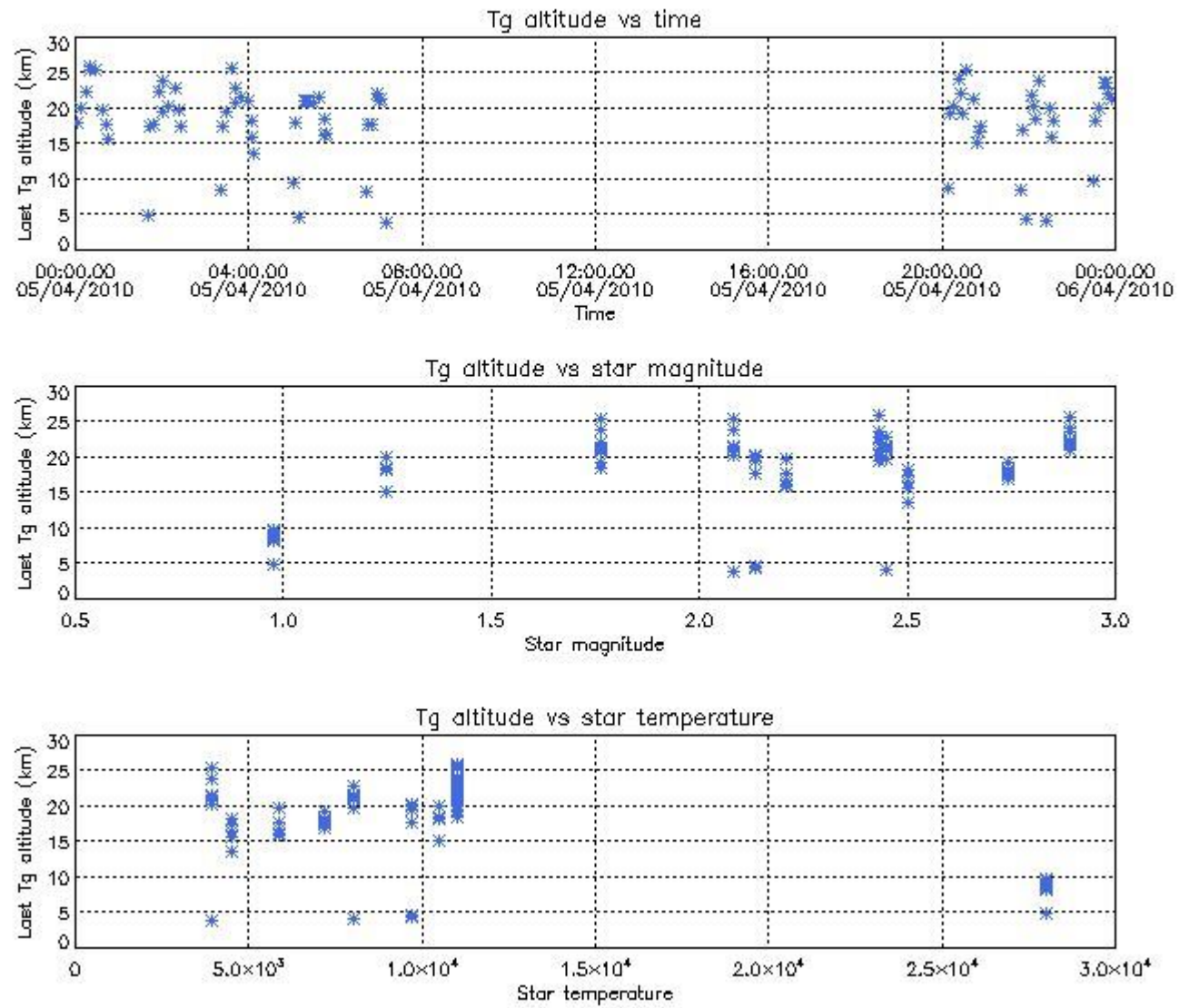
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

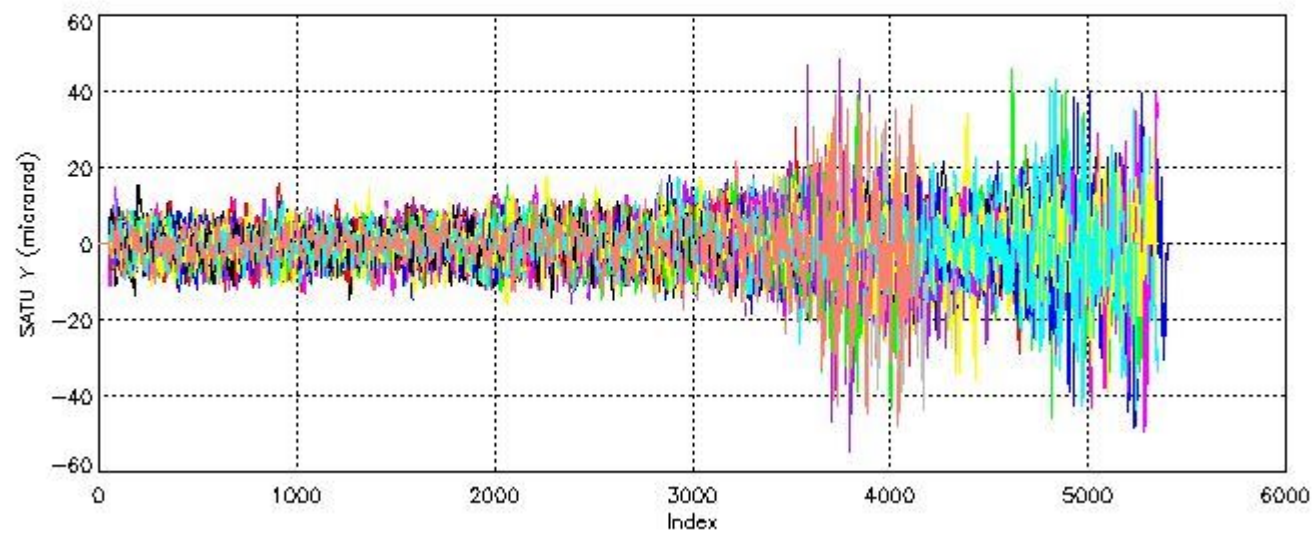
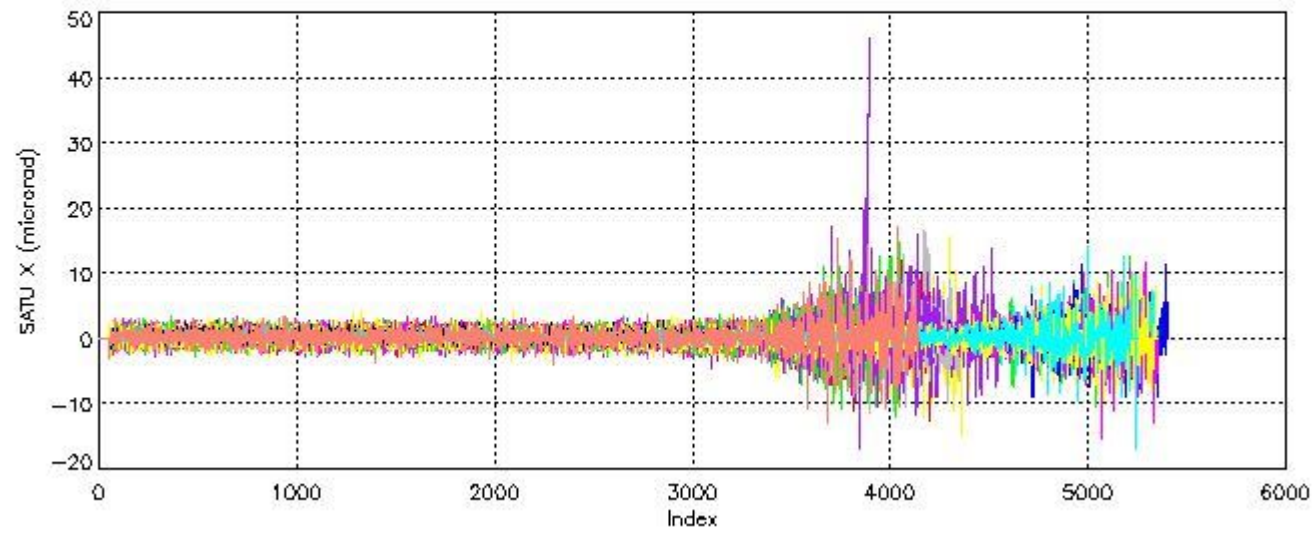


7. Star Acquisition and Tracking Unit (SATU)

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 function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.22918	-0.48337	0.19989	-0.52273
St. deviation:	0.69265	3.5625	0.77278	3.1621
Maximum:	3.7000	15.900	6.3000	11.700
Minimum:	-3.0000	-14.600	-5.4000	-14.200

Number of data:	31800.	31800.	74750.	74750.
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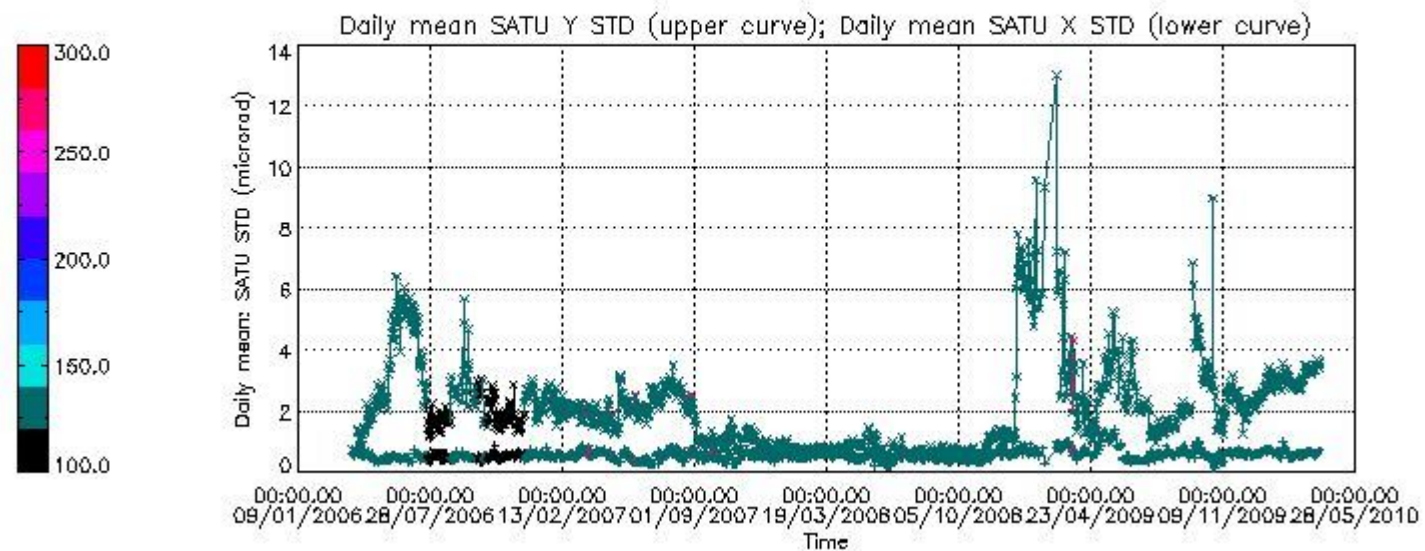
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

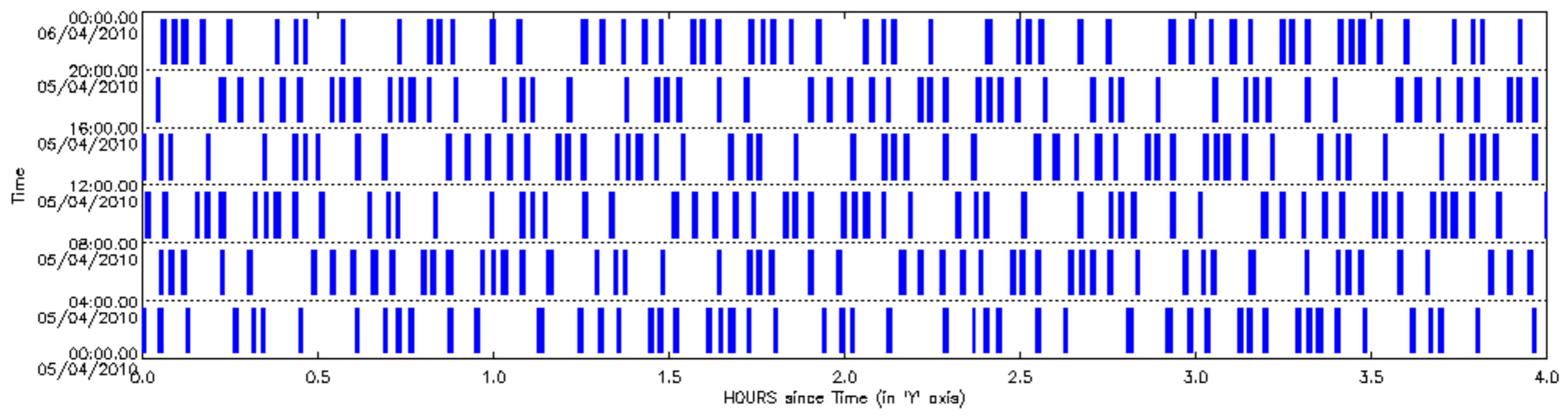
Lower curve: STD of SATU X axis

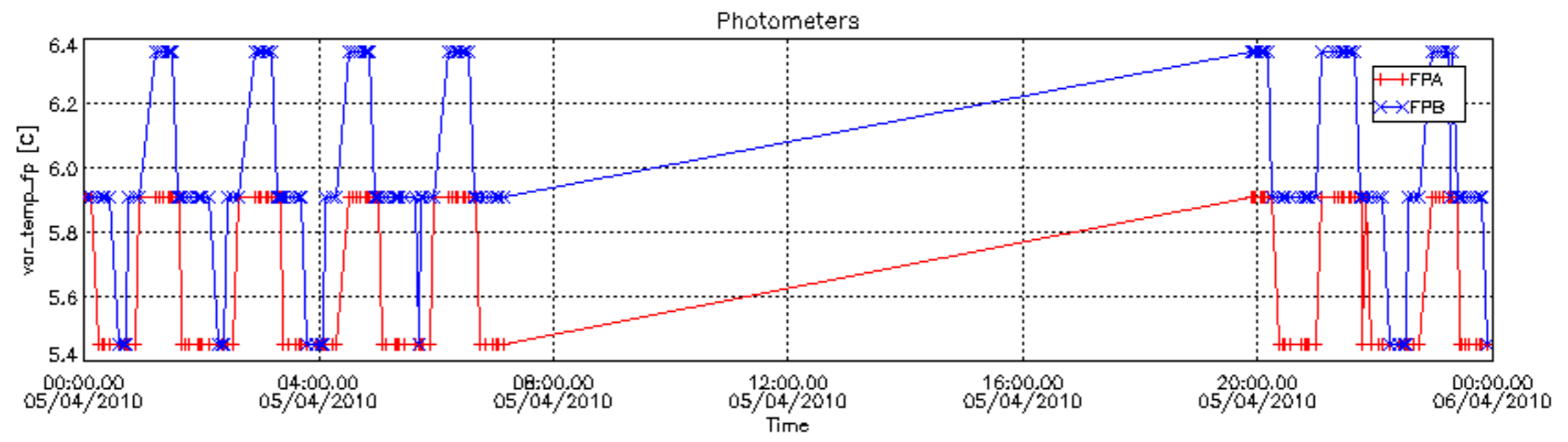
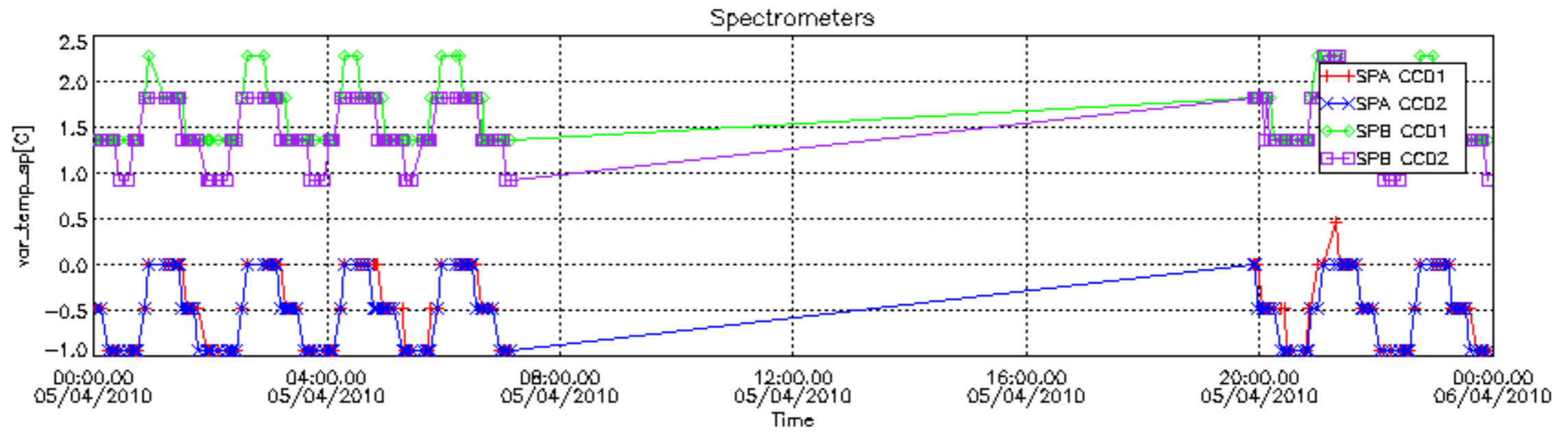


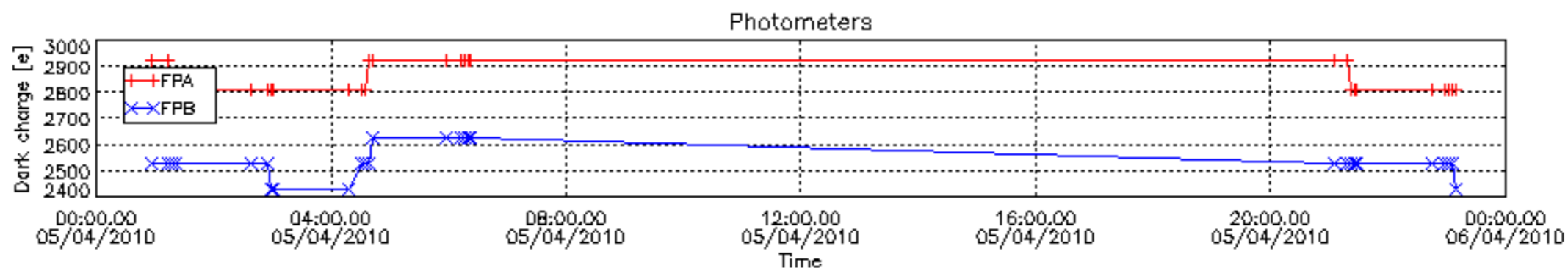
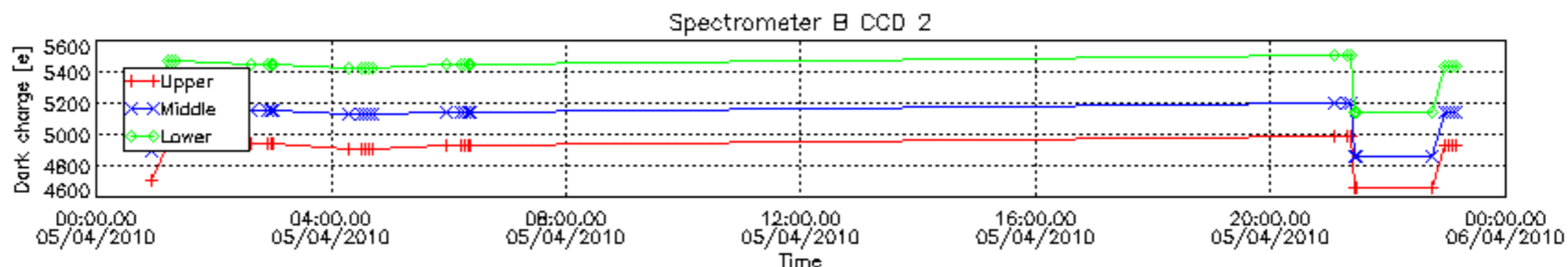
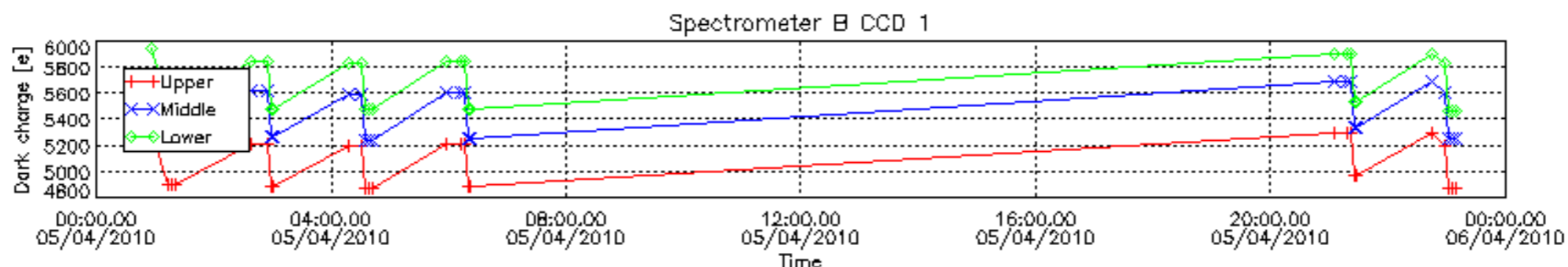
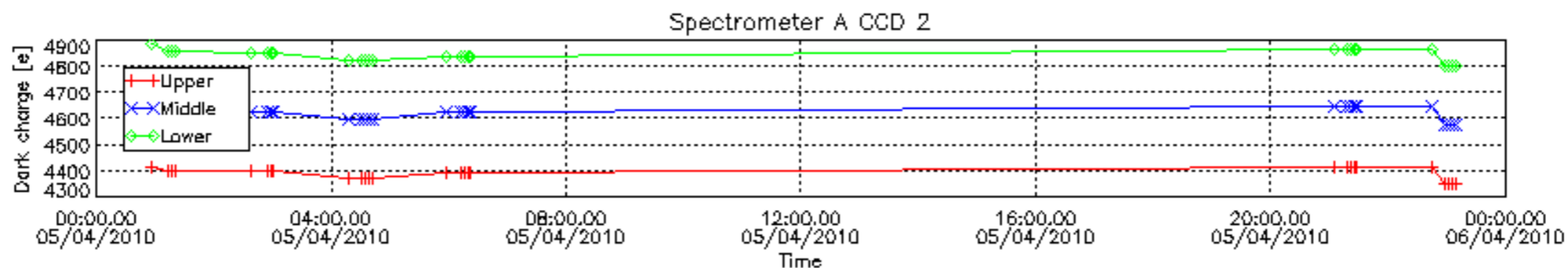
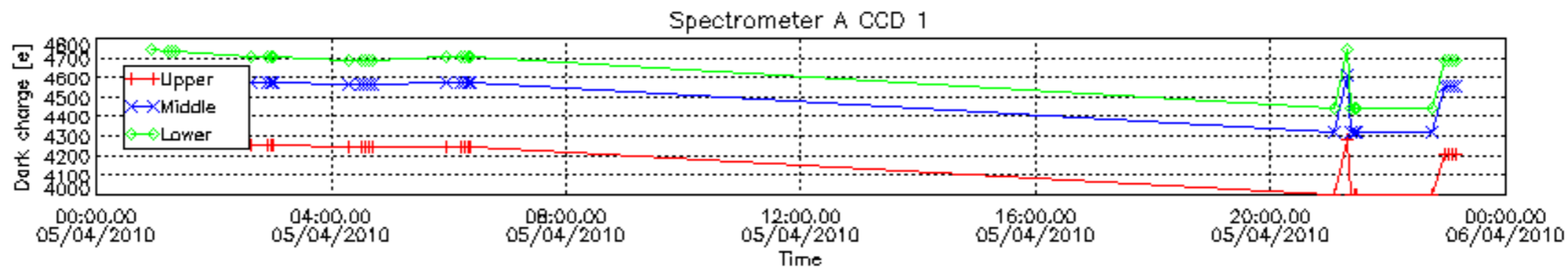
8. Auxiliary Data Files used for the production reported in section 2.4

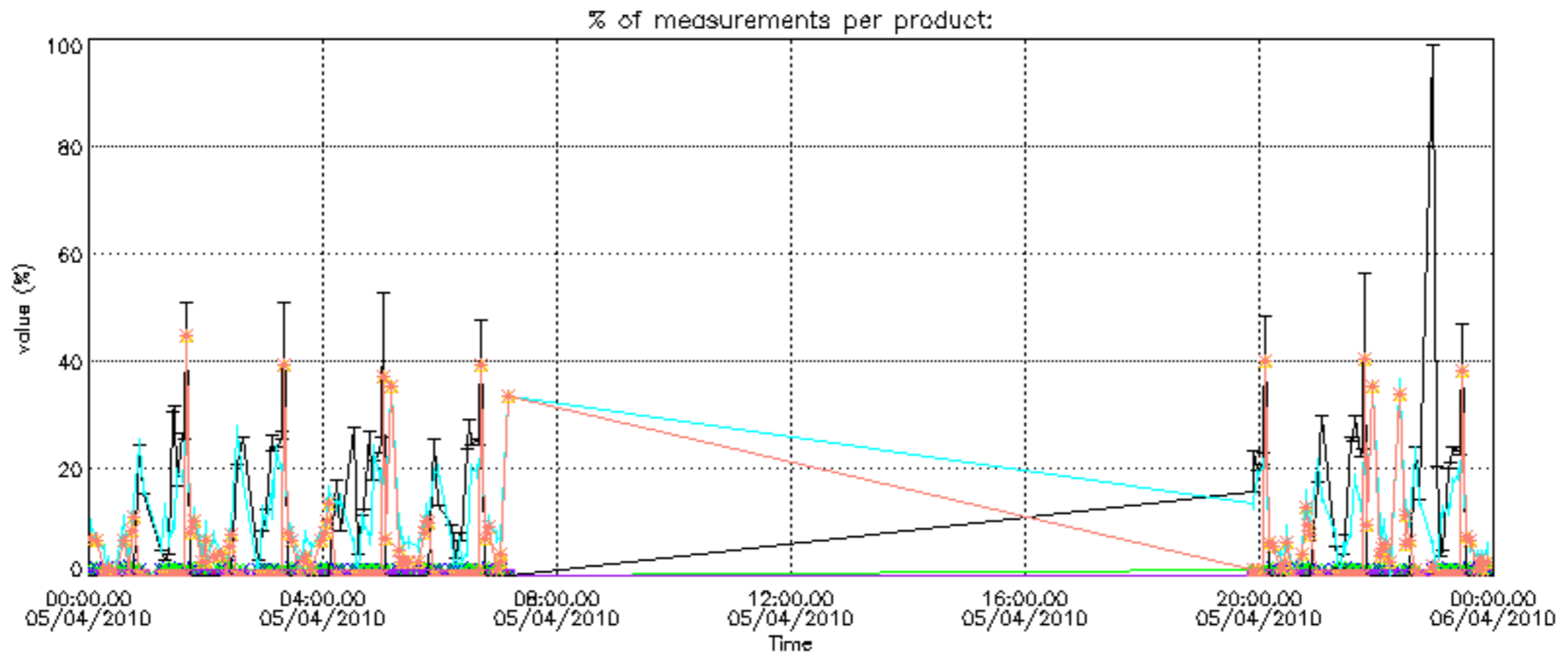
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-APR-2010 00:02:38
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100330_083348_20100328_000000_20500101_000000	1	05-APR-2010 00:02:38
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	05-APR-2010 00:02:38
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	05-APR-2010 00:02:38
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	05-APR-2010 00:02:38
ECMWF_FILE	AUX_ECF_AXNECM20100404_054258_20100404_210000_20100405_090000	1	05-APR-2010 00:02:38
ECMWF_FILE	AUX_ECF_AXNECM20100404_170258_20100405_030000_20100405_150000	47	05-APR-2010 03:41:28
ECMWF_FILE	AUX_ECA_AXNECM20100405_052118_20100404_210000_20100405_090000	71	05-APR-2010 05:38:06
ECMWF_FILE	AUX_ECF_AXNECM20100405_052118_20100405_150000_20100406_030000	93	05-APR-2010 19:53:10
ECMWF_FILE	AUX_ECF_AXNECM20100405_052119_20100405_210000_20100406_090000	110	05-APR-2010 21:04:00
OPTIONAL_ECMWF_FILE	MISSING	1	05-APR-2010 00:02:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100404_231714_000057382088_00187_42325_0099.N1	1	05-APR-2010 00:02:38
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100404_092256_20100403_190109_20100413_202722	13	05-APR-2010 01:14:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100405_033735_000066952088_00190_42328_0101.N1	47	05-APR-2010 03:41:28
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100404_092256_20100403_190109_20100413_202722	71	05-APR-2010 05:38:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100405_194953_000038252088_00200_42338_0103.N1	93	05-APR-2010 19:53:10
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100405_100116_20100404_182932_20100414_213620	110	05-APR-2010 21:04:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100405_224513_000057382088_00201_42339_0105.N1	133	05-APR-2010 22:58:45

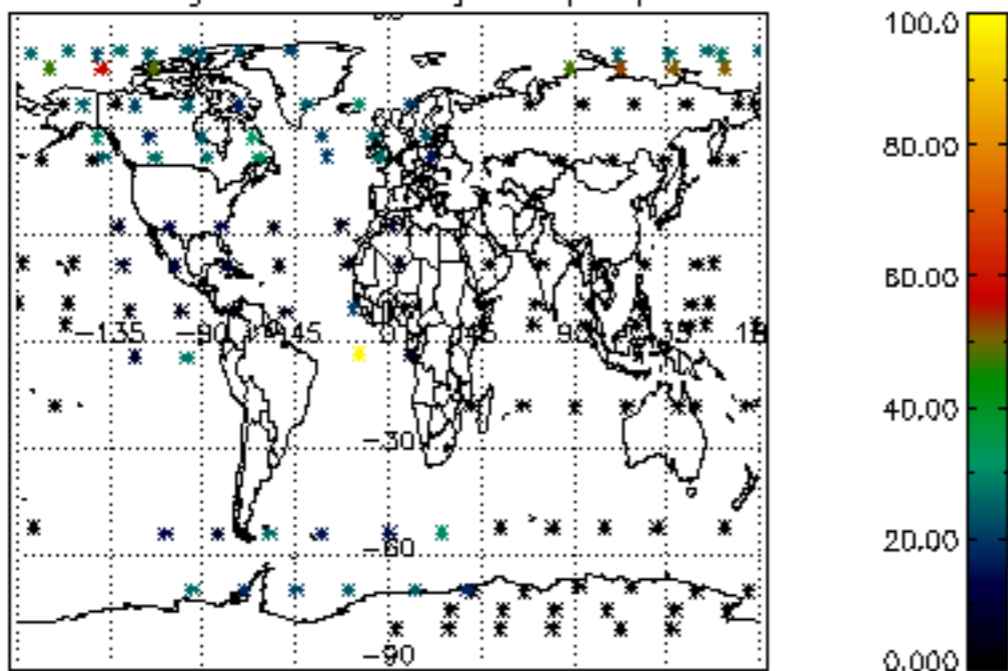




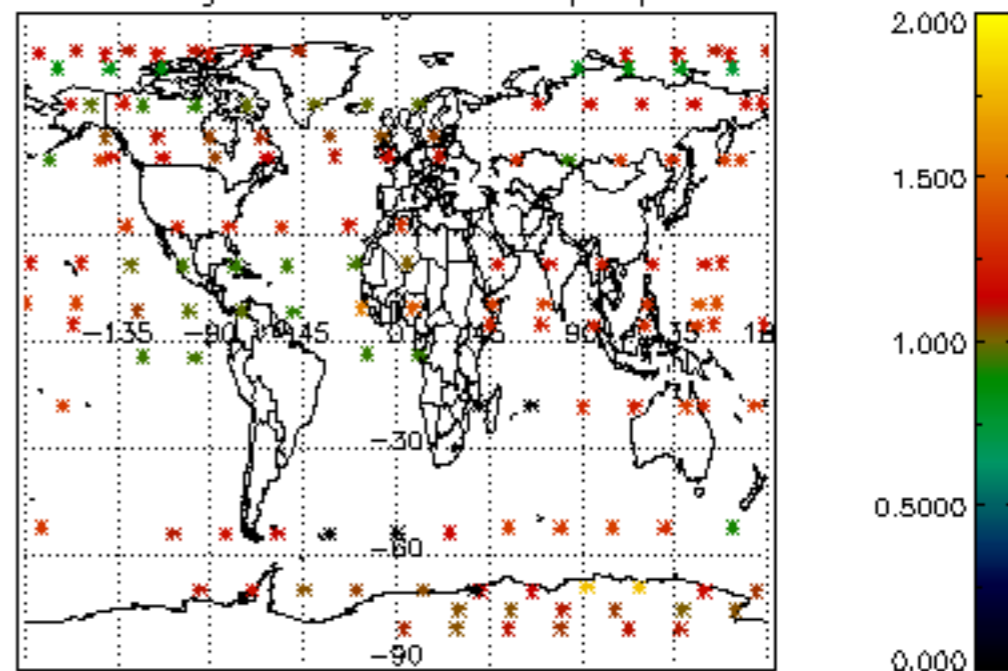




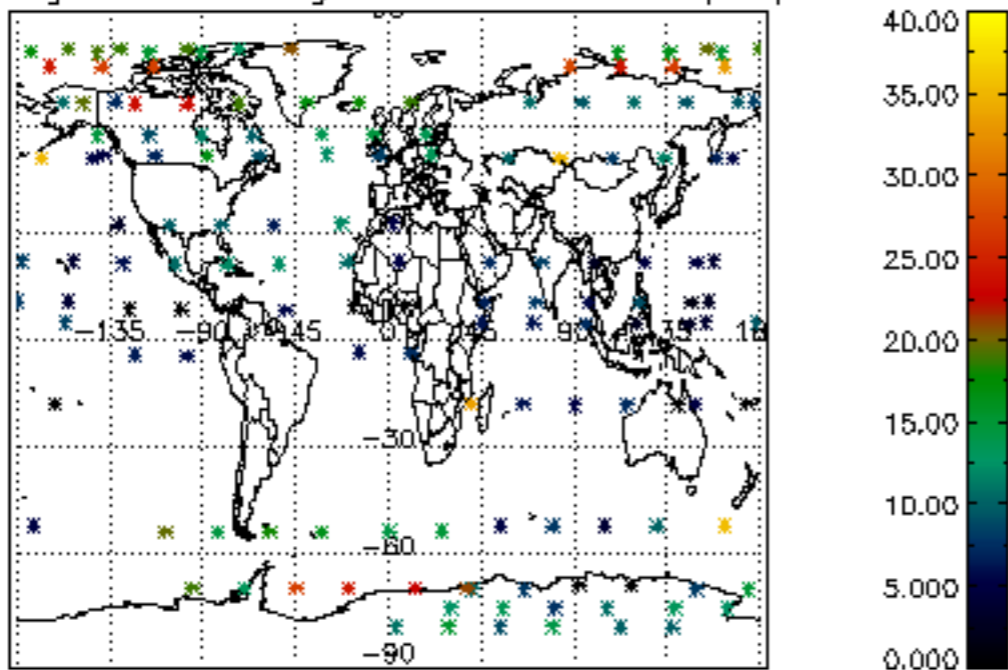
Percentage of cosmic ray hits per profile



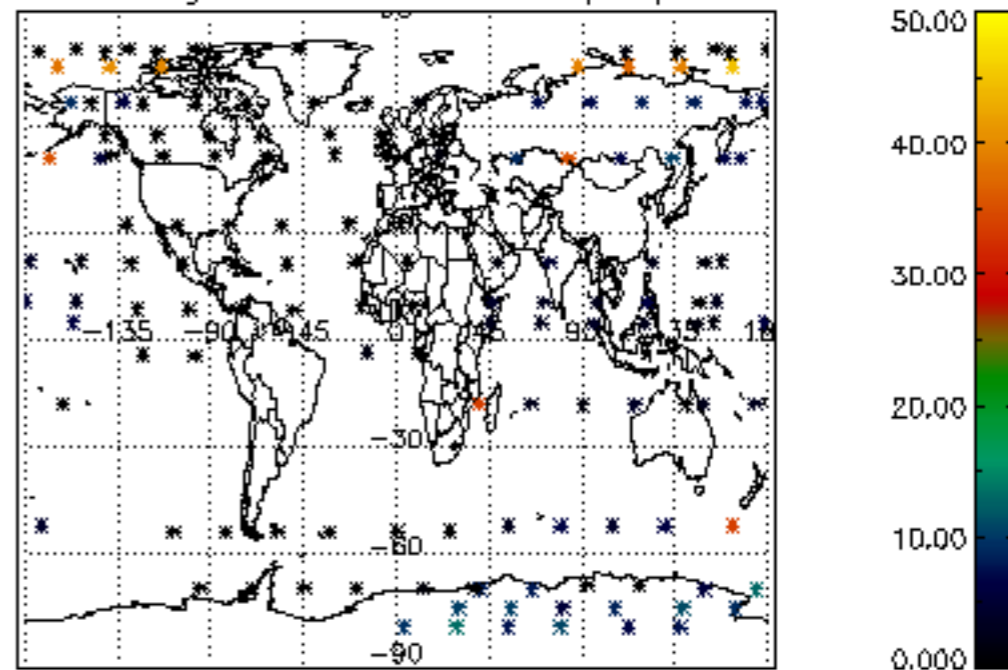
Percentage of datation errors per profile



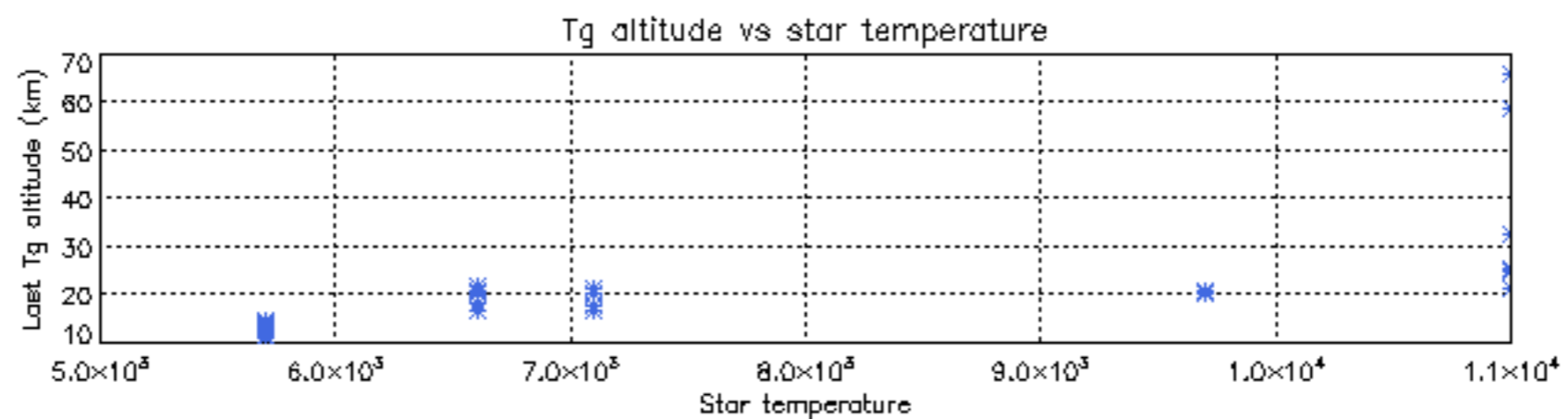
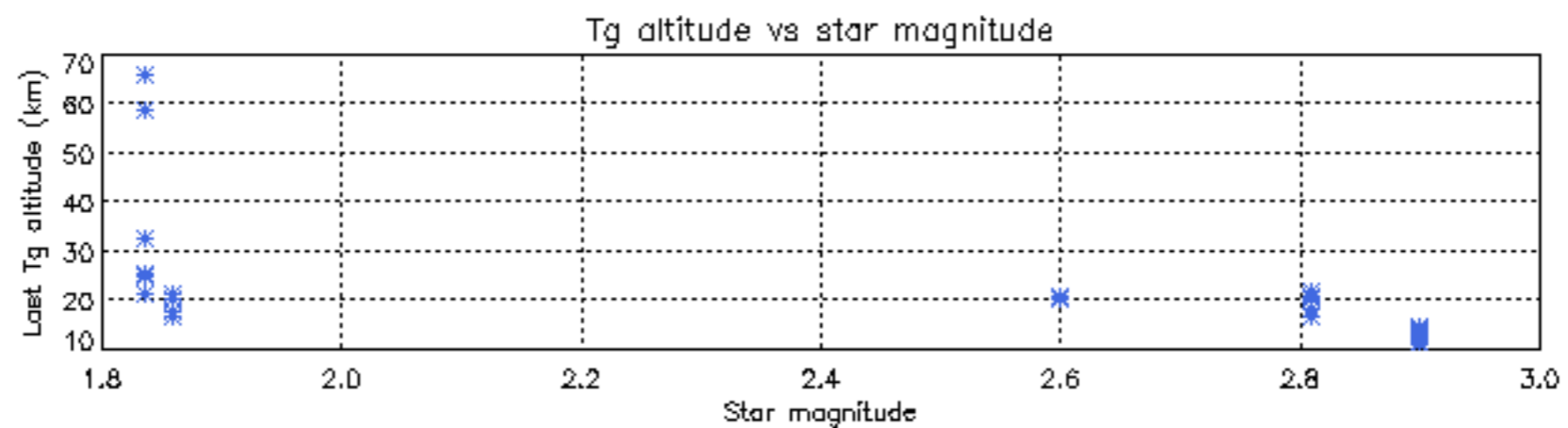
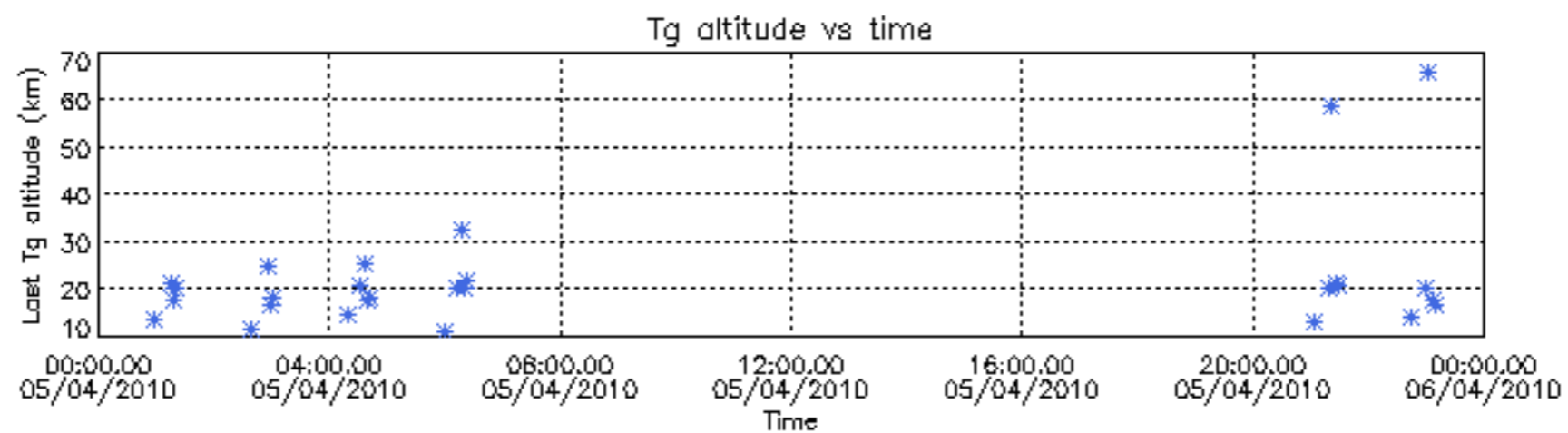
Percentage of star falling outside central band per profile



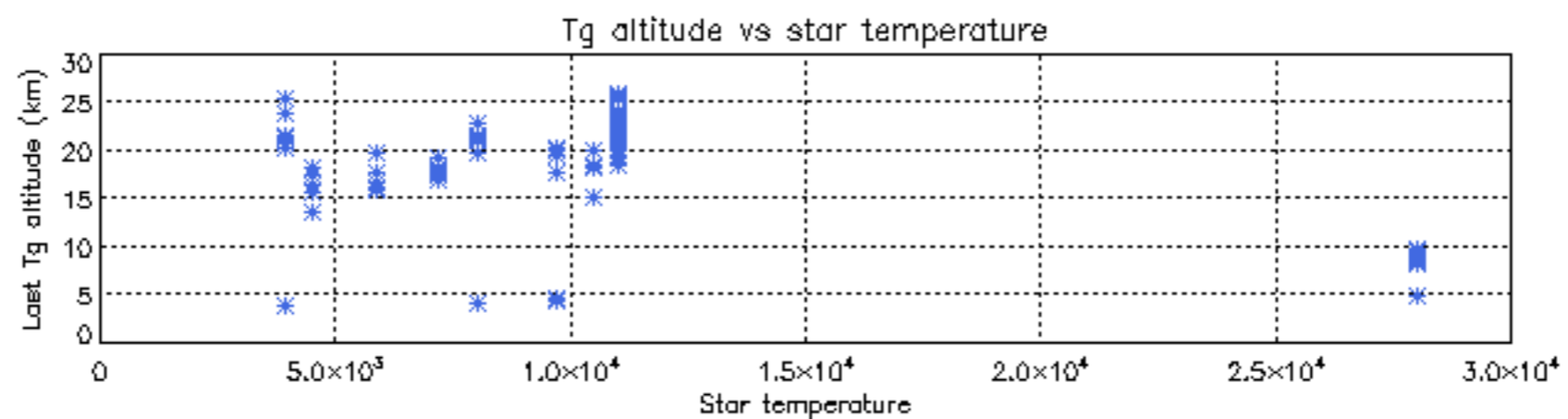
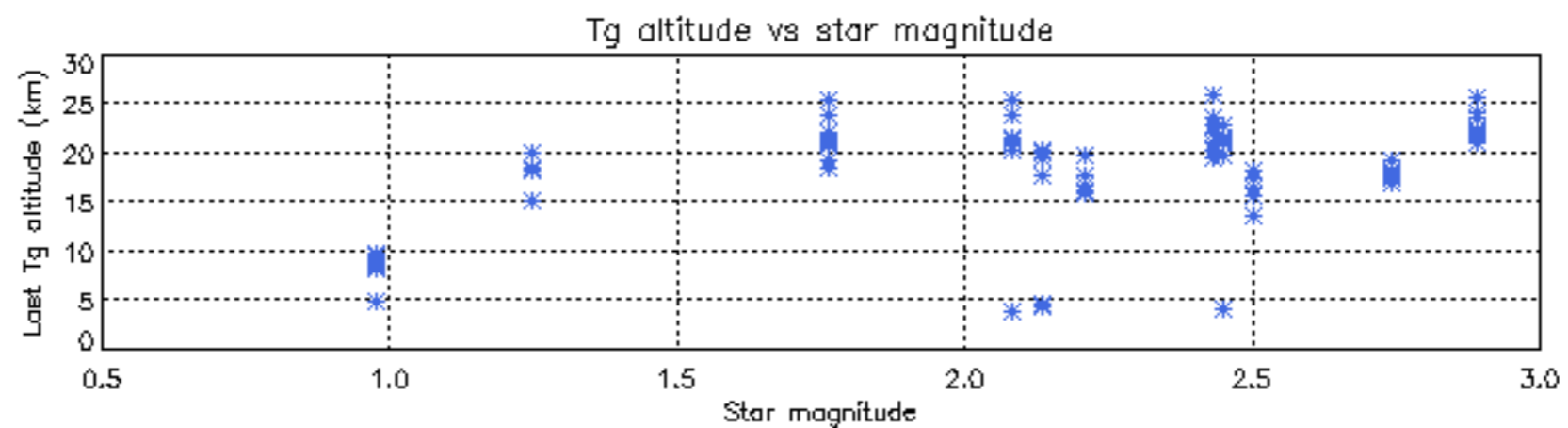
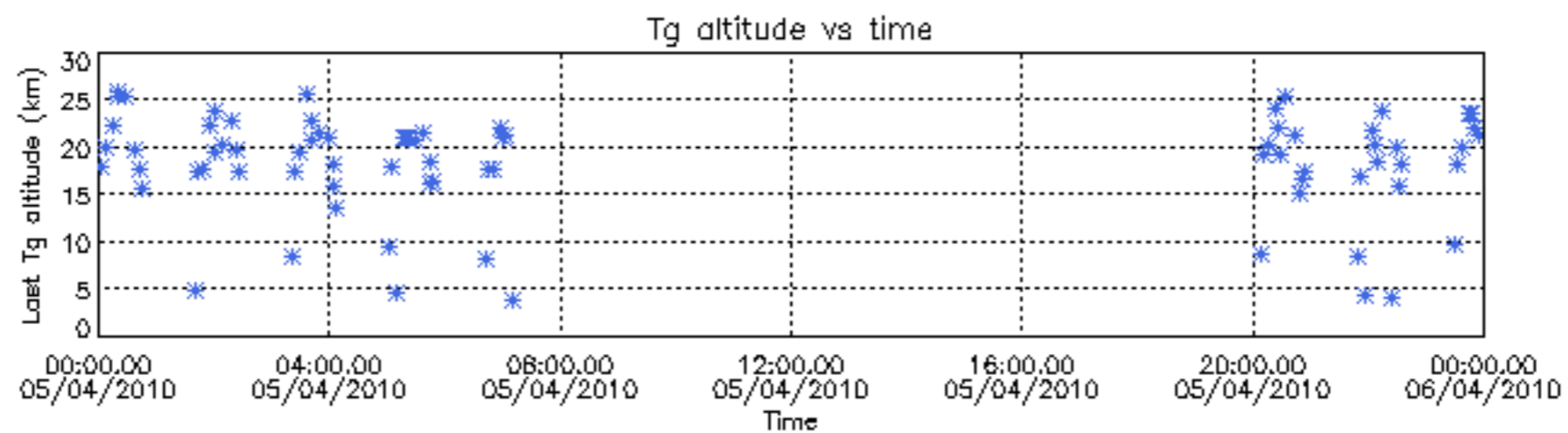
Percentage of saturation errors per profile

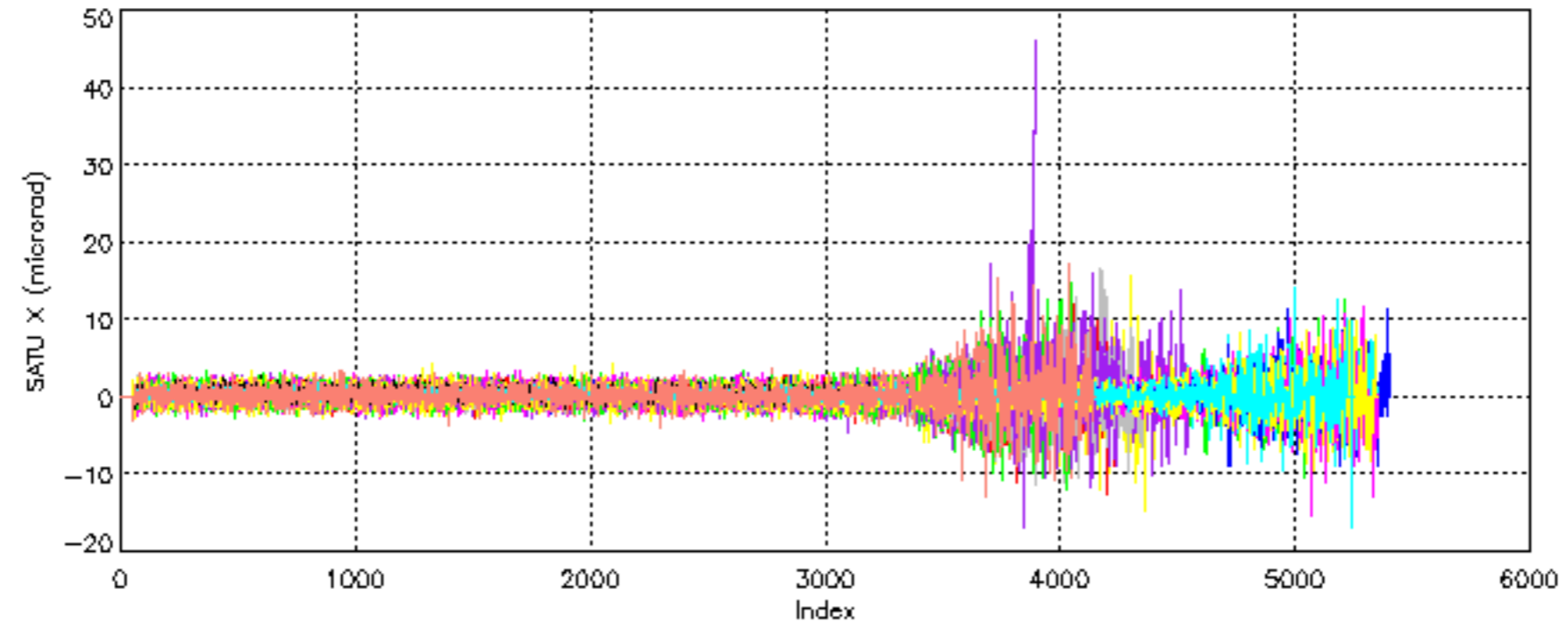


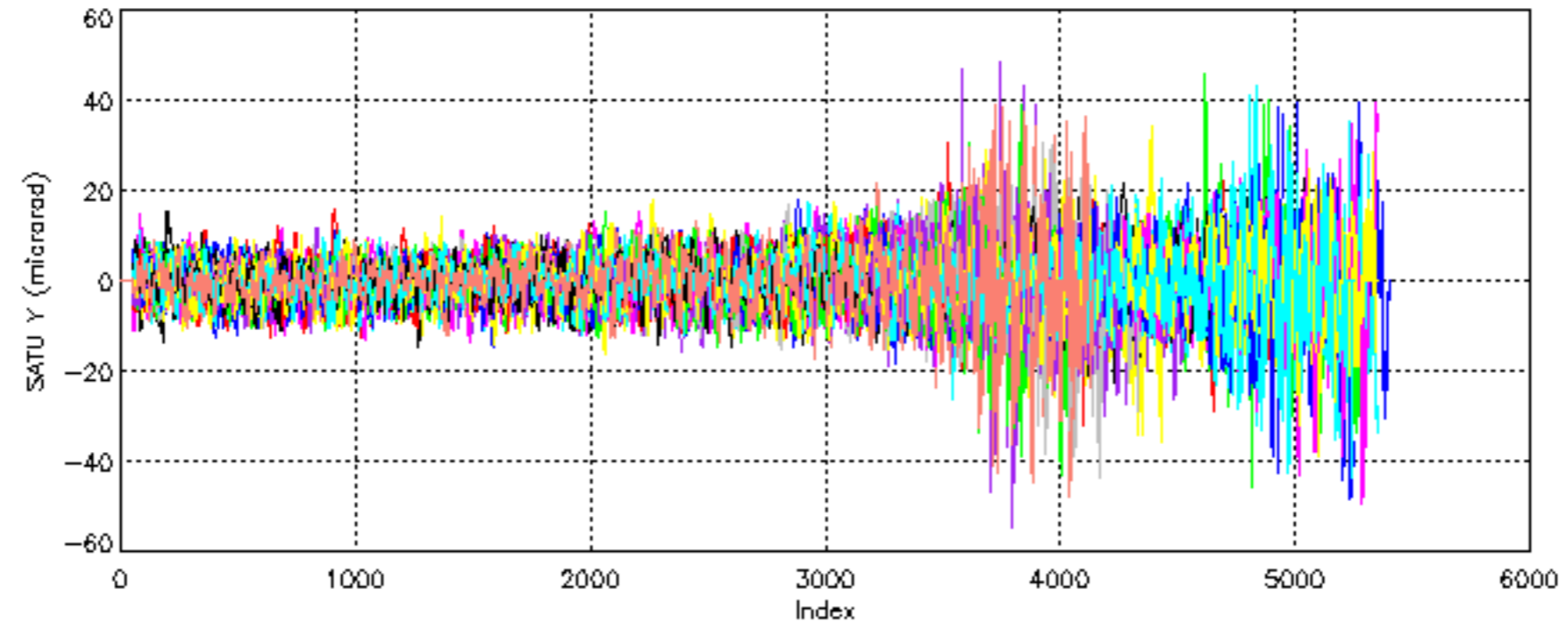
Tangent altitude at which the star is lost

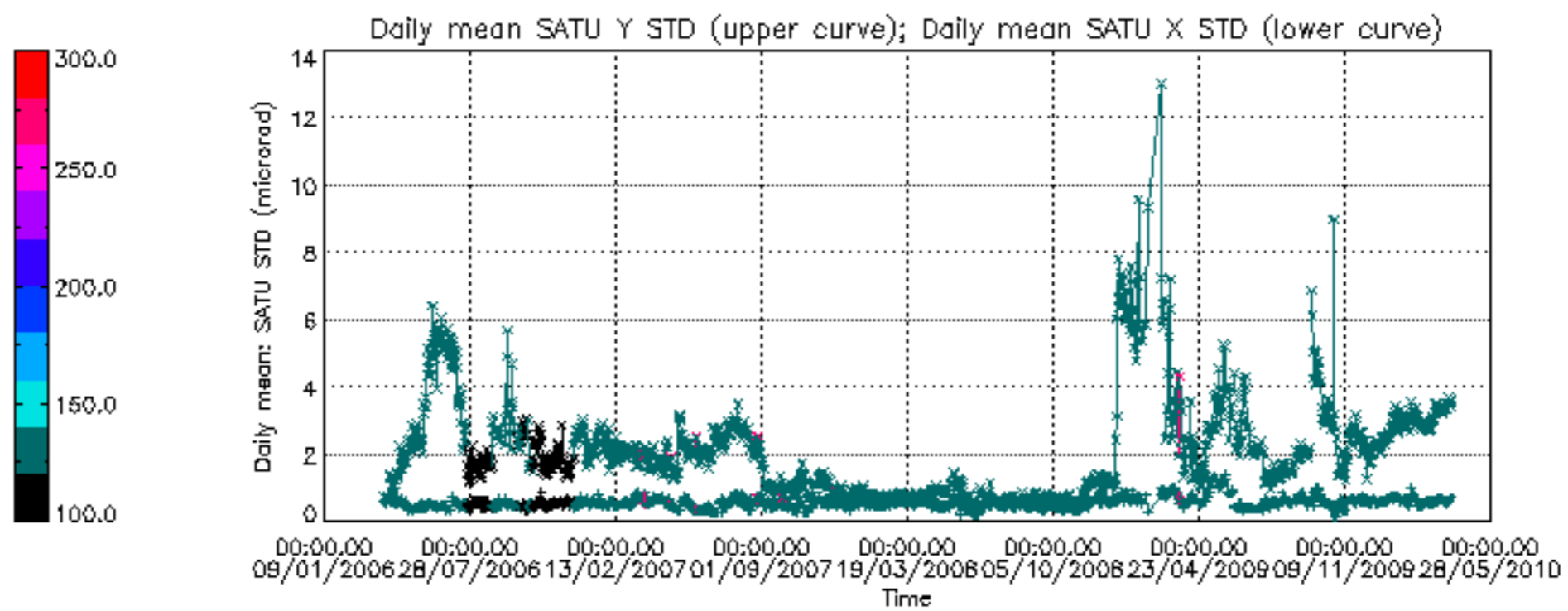


Tangent altitude at which the star is lost









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1; -315.4; 01-APR-2010 01:32:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42269
 2; 65.0; 01-APR-2010 01:38:53; Dark ; 57.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 114; 0;42270
 3; 293.1; 01-APR-2010 01:42:41; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42270
 4; 515.4; 01-APR-2010 01:46:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;42270
 5; 673.7; 01-APR-2010 01:49:02; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;42270
 6; 838.3; 01-APR-2010 01:51:46; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;42270
 7; 934.5; 01-APR-2010 01:53:23; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42270
 8; 1098.8; 01-APR-2010 01:56:07; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;42270
 9; 1459.8; 01-APR-2010 02:02:08; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42270
 10; 1577.7; 01-APR-2010 02:04:06; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42270
 11; 1883.4; 01-APR-2010 02:09:11; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42270
 12; 2160.8; 01-APR-2010 02:13:49; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42270
 13; 2256.9; 01-APR-2010 02:15:25; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42270
 14; 2666.4; 01-APR-2010 02:22:15; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42270
 15; 2848.5; 01-APR-2010 02:25:17; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42270
 16; 2958.0; 01-APR-2010 02:27:06; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;42270
 17; 3338.3; 01-APR-2010 02:33:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42270

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1;-2133.9; 01-APR-2010 02:42:50; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;42270
 2;-1836.2; 01-APR-2010 02:47:48; Bright; 43.5; 144; 18Del Cyg ; 2.86; 11000;occ; 87; 0;42270
 3;-1723.2; 01-APR-2010 02:49:41; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42270
 4;-1601.7; 01-APR-2010 02:51:42; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42270
 5; -314.5; 01-APR-2010 03:13:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42270
 6; -148.2; 01-APR-2010 03:15:56; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42270
 7; 66.3; 01-APR-2010 03:19:30; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42271
 8; 294.5; 01-APR-2010 03:23:18; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42271
 9; 515.9; 01-APR-2010 03:27:00; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42271
 10; 674.2; 01-APR-2010 03:29:38; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;42271
 11; 839.0; 01-APR-2010 03:32:23; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42271
 12; 935.3; 01-APR-2010 03:33:59; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42271
 13; 1099.5; 01-APR-2010 03:36:44; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42271
 14; 1460.1; 01-APR-2010 03:42:44; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42271
 15; 1578.0; 01-APR-2010 03:44:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42271
 16; 1883.1; 01-APR-2010 03:49:47; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42271
 17; 2160.7; 01-APR-2010 03:54:25; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42271
 18; 2257.1; 01-APR-2010 03:56:01; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42271
 19; 2666.3; 01-APR-2010 04:02:50; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42271
 20; 2848.4; 01-APR-2010 04:05:52; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42271
 21; 2957.9; 01-APR-2010 04:07:42; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42271
 22; 3338.0; 01-APR-2010 04:14:02; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;42271

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1;-2134.0; 01-APR-2010 04:23:26; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42271
 2;-1836.3; 01-APR-2010 04:28:24; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;42271
 3;-1723.1; 01-APR-2010 04:30:17; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42271
 4;-1601.9; 01-APR-2010 04:32:18; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42271
 5; -313.7; 01-APR-2010 04:53:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42271
 6; -146.6; 01-APR-2010 04:56:33; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42271
 7; 67.5; 01-APR-2010 05:00:08; Dark ; 55.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 111; 0;42272
 8; 295.5; 01-APR-2010 05:03:56; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42272
 9; 516.4; 01-APR-2010 05:07:36; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42272
 10; 674.7; 01-APR-2010 05:10:15; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;42272
 11; 839.6; 01-APR-2010 05:13:00; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42272
 12; 935.6; 01-APR-2010 05:14:36; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42272
 13; 1100.1; 01-APR-2010 05:17:20; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;42272
 14; 1460.3; 01-APR-2010 05:23:20; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42272
 15; 1578.2; 01-APR-2010 05:25:18; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;42272
 16; 1688.2; 01-APR-2010 05:27:08; Dark ; 29.0; 15; 67Alp Vir ; 0.98; 28000;occ; 58; 0;42272
 17; 1883.0; 01-APR-2010 05:30:23; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;42272
 18; 2160.5; 01-APR-2010 05:35:01; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42272
 19; 2257.0; 01-APR-2010 05:36:37; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42272
 20; 2666.3; 01-APR-2010 05:43:26; Bright; 38.0; 174; 52Psi UMa ; 3.00; 4400;occ; 76; 0;42272
 21; 2848.4; 01-APR-2010 05:46:28; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42272
 22; 2958.0; 01-APR-2010 05:48:18; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42272
 23; 3337.6; 01-APR-2010 05:54:38; Bright; 57.5; 60; 7Bet UMi ; 2.08; 3950;occ; 115; 0;42272

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1; 941.5; 01-APR-2010 20:20:05; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42281
 2; 1104.6; 01-APR-2010 20:22:48; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;42281


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3; 1462.1; 01-APR-2010 20:28:46; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;42281
4; 1579.6; 01-APR-2010 20:30:43; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42281
5; 1688.0; 01-APR-2010 20:32:31; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;42281
6; 1882.1; 01-APR-2010 20:35:46; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42281
7; 2159.5; 01-APR-2010 20:40:23; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42281
8; 2665.5; 01-APR-2010 20:48:49; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42281
9; 2846.1; 01-APR-2010 20:51:49; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42281
10; 2959.3; 01-APR-2010 20:53:43; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;42281
11; 3334.8; 01-APR-2010 20:59:58; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42281
12; 3901.3; 01-APR-2010 21:09:25; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42281
13; 4198.0; 01-APR-2010 21:14:21; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;42281
14; 4312.8; 01-APR-2010 21:16:16; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42281
15; 4435.5; 01-APR-2010 21:18:19; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42281
16; 4829.5; 01-APR-2010 21:24:53; Dark ; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;42281
17; 5105.6; 01-APR-2010 21:29:29; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;42281
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3; 80.8; 01-APR-2010 21:46:20; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42282
4; 306.4; 01-APR-2010 21:50:06; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42282
5; 521.6; 01-APR-2010 21:53:41; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;42282
6; 679.4; 01-APR-2010 21:56:19; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;42282
7; 845.9; 01-APR-2010 21:59:05; Dark ; 48.0; 78; Alp Lup ; 2.30; 28000;occ; 96; 0;42282
8; 942.1; 01-APR-2010 22:00:41; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42282
9; 1105.1; 01-APR-2010 22:03:24; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42282
10; 1462.2; 01-APR-2010 22:09:21; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42282
11; 1579.6; 01-APR-2010 22:11:19; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42282
12; 1688.0; 01-APR-2010 22:13:07; Dark ; 59.5; 15; 67Alp Vir ; 0.98; 28000;occ; 119; 0;42282
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14; 2159.5; 01-APR-2010 22:20:59; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42282
15; 2665.8; 01-APR-2010 22:29:25; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42282
16; 2845.9; 01-APR-2010 22:32:25; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42282
17; 2954.9; 01-APR-2010 22:34:14; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;42282
18; 3334.4; 01-APR-2010 22:40:34; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;42282
19; 3901.3; 01-APR-2010 22:50:01; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;42282
20; 4213.2; 01-APR-2010 22:55:12; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;42282
21; 4312.8; 01-APR-2010 22:56:52; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42282
22; 4435.4; 01-APR-2010 22:58:55; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42282
23; 4829.9; 01-APR-2010 23:05:29; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;42282
24; 5106.4; 01-APR-2010 23:10:06; Dark ; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;42282
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3; 82.4; 01-APR-2010 23:26:58; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42283
4; 307.6; 01-APR-2010 23:30:43; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42283
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10; 1462.5; 01-APR-2010 23:49:58; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42283
11; 1579.8; 01-APR-2010 23:51:55; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;42283
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13; 1881.7; 01-APR-2010 23:56:57; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42283
14; 2159.6; 02-APR-2010 00:01:35; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42283
15; 2665.6; 02-APR-2010 00:10:01; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42283
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21; 4312.7; 02-APR-2010 00:37:28; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;42283
22; 4435.6; 02-APR-2010 00:39:31; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42283
23; 4830.0; 02-APR-2010 00:46:05; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;42283
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2; -1836.7; 01-APR-2010 06:08:59; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;42272

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 7; 69.4; 01-APR-2010 06:40:45; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42273
 8; 296.4; 01-APR-2010 06:44:32; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42273
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 3; 2160.3; 01-APR-2010 07:15:36; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;42273
 4; 2257.0; 01-APR-2010 07:17:13; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42273
 5; 2666.2; 01-APR-2010 07:24:02; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;42273
 6; 2848.1; 01-APR-2010 07:27:04; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;42273
 7; 2957.7; 01-APR-2010 07:28:54; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42273
 8; 3337.3; 01-APR-2010 07:35:13; Bright; 58.0; 60; 7Bet UMi ; 2.08; 3950;occ; 116; 0;42273
 9; 3902.0; 01-APR-2010 07:44:38; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;42273
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 12; 4434.4; 01-APR-2010 07:53:30; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42273
 13; 5723.8; 01-APR-2010 08:15:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42273
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 16; 6333.5; 01-APR-2010 08:25:09; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42274
 17; 6553.4; 01-APR-2010 08:28:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42274
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 19; 6876.8; 01-APR-2010 08:34:13; Dark ; 48.5; 78; Alp Lup ; 2.30; 28000;occ; 97; 0;42274
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 21; 7136.9; 01-APR-2010 08:38:33; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42274
 22; 7496.6; 01-APR-2010 08:44:33; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42274
 23; 7614.5; 01-APR-2010 08:46:30; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42274
 24; 7724.3; 01-APR-2010 08:48:20; Dark ; 35.5; 15; 67Alp Vir ; 0.98; 28000;occ; 71; 0;42274

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 3; 2160.4; 01-APR-2010 08:56:12; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42274
 4; 2666.1; 01-APR-2010 09:04:38; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42274
 5; 2847.7; 01-APR-2010 09:07:40; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;42274
 6; 2957.7; 01-APR-2010 09:09:30; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;42274
 7; 3337.1; 01-APR-2010 09:15:49; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42274
 8; 3901.7; 01-APR-2010 09:25:14; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;42274
 9; 4199.3; 01-APR-2010 09:30:11; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;42274
 10; 4312.9; 01-APR-2010 09:32:05; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42274
 11; 4434.5; 01-APR-2010 09:34:06; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42274
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 19; 6973.6; 01-APR-2010 10:16:26; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42275
 20; 7137.3; 01-APR-2010 10:19:09; Dark ; 58.0; 54; 5The Cen ; 2.06; 4500;occ; 116; 0;42275
 21; 7497.0; 01-APR-2010 10:25:09; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42275
 22; 7614.6; 01-APR-2010 10:27:07; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42275
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 4; 2666.1; 01-APR-2010 10:45:14; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42275

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7; 3336.6; 01-APR-2010 10:56:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;42275
8; 3901.8; 01-APR-2010 11:05:50; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42275
9; 4199.0; 01-APR-2010 11:10:47; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;42275
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3; 2560.4; 28-APR-2010 16:36:57; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;42665
4; 2653.6; 28-APR-2010 16:38:31; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;42665
5; 2779.4; 28-APR-2010 16:40:36; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42665

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6; 2779.0; 28-APR-2010 18:21:12; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42666
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 13; 4146.5; 29-APR-2010 21:33:34; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;42682
 14; 4505.5; 29-APR-2010 21:39:34; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;42682

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21; 6778.6; 30-APR-2010 20:05:14; Dark ; 58.0; 40; The Sco ; 1.86; 7100;occ; 116; 0;42696
22; 6883.6; 30-APR-2010 20:06:59; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;42696

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