

GOMOS Daily Report 04-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	07APR2010 04:51:34
Data source version	GOMOS/5.00L04
Start time of products	04APR2010 00:04:58
Stop time of products	04APR2010 23:59:27
Store outputs in DB	Yes
Nb of level 1b prods	130
Nb of prods with errors	0

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

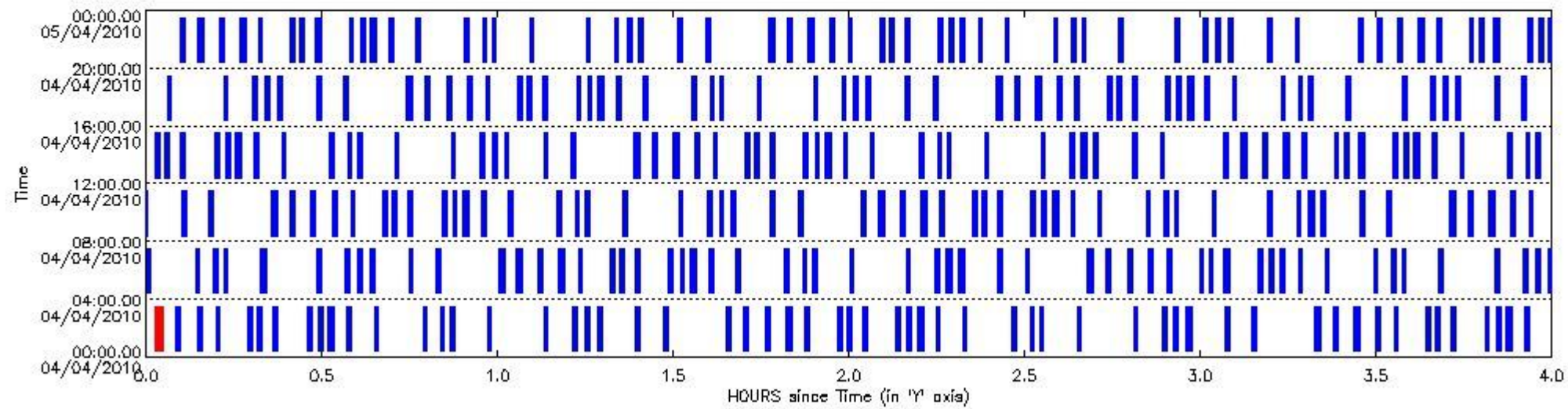
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
04-APR-2010 00:01:29	38ZetSgr	103	42311

2.4 Summary of processed GOM_TRA_1P products

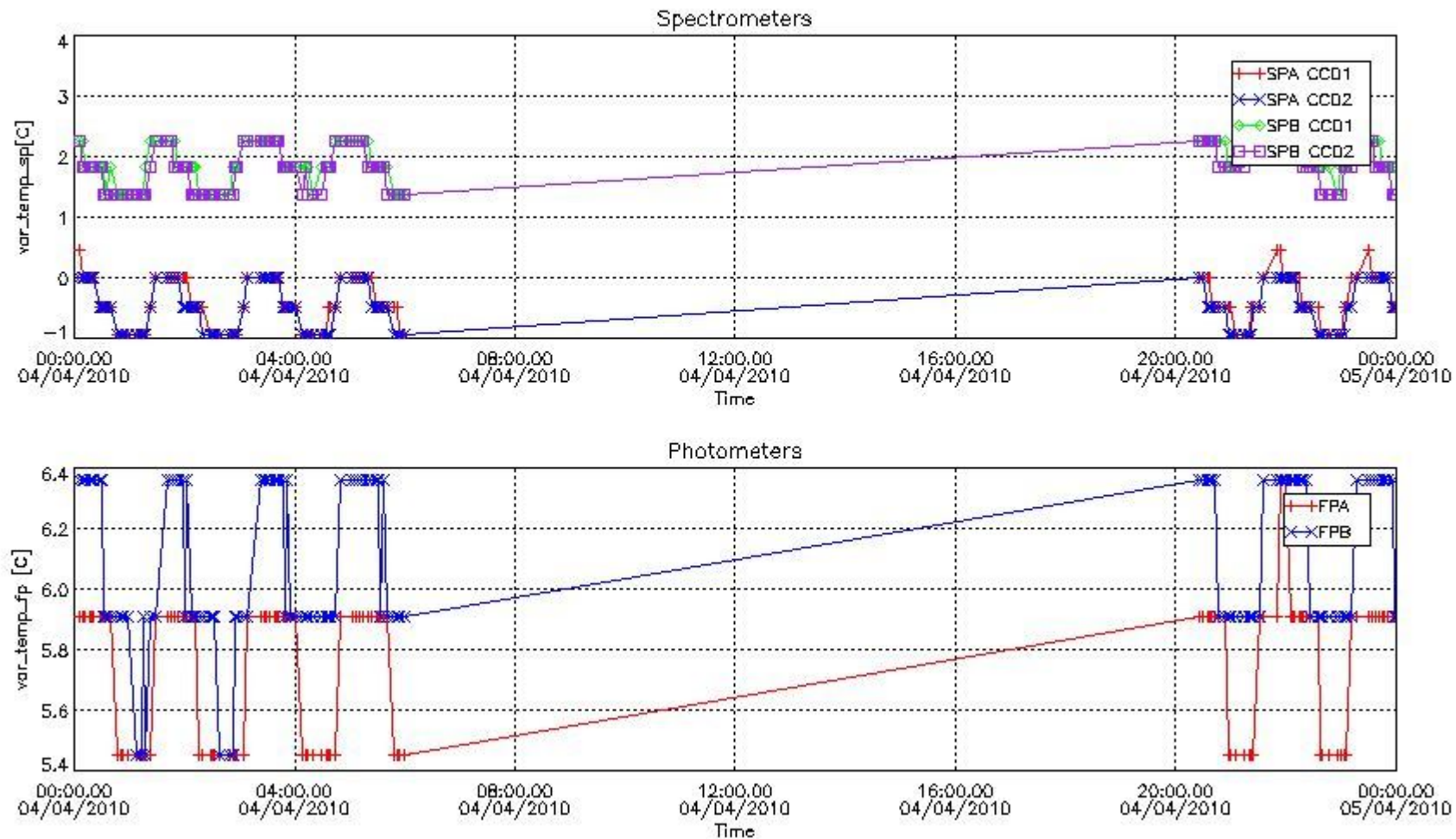
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100404_000458_000000542088_00174_42312_1545.N1	04-APR-2010 00:04:58	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	42312	No
2	GOM_TRA_1PNPDE20100404_000837_000000522088_00174_42312_1546.N1	04-APR-2010 00:08:37	Dark	52.000	40	The Sco	1.8590	7100.0	104	42312	No
3	GOM_TRA_1PNPDE20100404_001154_000000392088_00174_42312_1547.N1	04-APR-2010 00:11:54	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	42312	No
4	GOM_TRA_1PNPDE20100404_001721_000000482088_00174_42312_1548.N1	04-APR-2010 00:17:21	Straylight	48.000	78	Alp Lup	2.3040	28000.	96	42312	No
5	GOM_TRA_1PNPDE20100404_001857_000000492088_00174_42312_1549.N1	04-APR-2010 00:18:57	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	42312	No
6	GOM_TRA_1PNPDE20100404_002137_000000522088_00174_42312_1550.N1	04-APR-2010 00:21:37	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	42312	No
7	GOM_TRA_1PNPDE20100404_002725_000000462088_00174_42312_1551.N1	04-APR-2010 00:27:25	Twilight_stray	45.500	106	9Bet Crv	2.6480	5600.0	91	42312	No
8	GOM_TRA_1PNPDE20100404_002921_000000432088_00174_42312_1552.N1	04-APR-2010 00:29:21	Twilight_stray	43.000	100	4Gam Crv	2.5800	13100.	86	42312	No
9	GOM_TRA_1PNPDE20100404_003104_000000622088_00174_42312_1553.N1	04-APR-2010 00:31:04	Bright	62.000	15	67Alp Vir	0.97600	28000.	124	42312	No
10	GOM_TRA_1PNPDE20100404_003416_000000452088_00174_42312_1554.N1	04-APR-2010 00:34:16	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	42312	No

11	GOM_TRA_1PNPDE20100404_003854_000000392088_00174_42312_1555.N1	04-APR-2010 00:38:54	Bright	39.000	62	94Bet Leo	2.1360	9700.0	78	42312	No
12	GOM_TRA_1PNPDE20100404_004713_000000422088_00174_42312_1556.N1	04-APR-2010 00:47:13	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	42312	No
13	GOM_TRA_1PNPDE20100404_005016_000000372088_00174_42312_1557.N1	04-APR-2010 00:50:16	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42312	No
14	GOM_TRA_1PNPDE20100404_005159_000000392088_00174_42312_1558.N1	04-APR-2010 00:51:59	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	42312	No
15	GOM_TRA_1PNPDE20100404_005821_000000362088_00174_42312_1559.N1	04-APR-2010 00:58:21	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	42312	No
16	GOM_TRA_1PNPDE20100404_010756_000000402088_00174_42312_1560.N1	04-APR-2010 01:07:56	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42312	No
17	GOM_TRA_1PNPDE20100404_011250_000000482088_00174_42312_1561.N1	04-APR-2010 01:12:50	Bright	47.500	144	18Del Cyg	2.8600	11000.	95	42312	No
18	GOM_TRA_1PNPDE20100404_011449_000000482088_00174_42312_1562.N1	04-APR-2010 01:14:49	Bright	47.500	66	37Gam Cyg	2.2080	5900.0	95	42312	No
19	GOM_TRA_1PNPDE20100404_011656_000000622088_00174_42312_1563.N1	04-APR-2010 01:16:56	Bright	62.000	92	53Eps Cyg	2.5000	4500.0	124	42312	No
20	GOM_TRA_1PNPDE20100404_012335_000000462088_00174_42312_1564.N1	04-APR-2010 01:23:35	Tw_i_and_stray	46.000	61	8Eps Peg	2.1000	3900.0	92	42312	No
21	GOM_TRA_1PNPDE20100404_012815_000000432088_00174_42312_1565.N1	04-APR-2010 01:28:15	Dark	43.000	154	22Bet Aqr	2.8990	5700.0	86	42312	No
22	GOM_TRA_1PNPDE20100404_014200_000000532088_00174_42312_1562.N1	04-APR-2010 01:42:00	Dark	52.500	103	38Zet Sgr	2.6000	9700.0	105	42312	No
23	GOM_TRA_1PNPDE20100404_014535_000000592088_00175_42313_1563.N1	04-APR-2010 01:45:35	Dark	59.000	38	20Eps Sgr	1.8360	11000.	118	42313	No
24	GOM_TRA_1PNPDE20100404_014914_000000542088_00175_42313_1564.N1	04-APR-2010 01:49:14	Dark	54.000	40	The Sco	1.8590	7100.0	108	42313	No
25	GOM_TRA_1PNPDE20100404_015230_000000392088_00175_42313_1565.N1	04-APR-2010 01:52:30	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	42313	No
26	GOM_TRA_1PNPDE20100404_015757_000000472088_00175_42313_1566.N1	04-APR-2010 01:57:57	Straylight	46.500	78	Alp Lup	2.3040	28000.	93	42313	No
27	GOM_TRA_1PNPDE20100404_015934_000000492088_00175_42313_1567.N1	04-APR-2010 01:59:34	Straylight	49.000	81	Eta Cen	2.3560	28000.	98	42313	No
28	GOM_TRA_1PNPDE20100404_020213_000000522088_00175_42313_1568.N1	04-APR-2010 02:02:13	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	42313	No
29	GOM_TRA_1PNPDE20100404_020801_000000462088_00175_42313_1569.N1	04-APR-2010 02:08:01	Tw_i_and_stray	46.000	106	9Bet Crv	2.6480	5600.0	92	42313	No
30	GOM_TRA_1PNPDE20100404_020957_000000452088_00175_42313_1570.N1	04-APR-2010 02:09:57	Tw_i_and_stray	44.500	100	4Gam Crv	2.5800	13100.	89	42313	No
31	GOM_TRA_1PNPDE20100404_021140_000000602088_00175_42313_1571.N1	04-APR-2010 02:11:40	Bright	60.000	15	67Alp Vir	0.97600	28000.	120	42313	No
32	GOM_TRA_1PNPDE20100404_021452_000000432088_00175_42313_1572.N1	04-APR-2010 02:14:52	Bright	42.500	121	29Gam Vir	2.7400	7200.0	85	42313	No
33	GOM_TRA_1PNPDE20100404_021930_000000382088_00175_42313_1573.N1	04-APR-2010 02:19:30	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	42313	No
34	GOM_TRA_1PNPDE20100404_022748_000000432088_00175_42313_1574.N1	04-APR-2010 02:27:48	Bright	42.500	152	12Alp2CVn	2.8900	11000.	85	42313	No
35	GOM_TRA_1PNPDE20100404_023052_000000382088_00175_42313_1575.N1	04-APR-2010 02:30:52	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	42313	No
36	GOM_TRA_1PNPDE20100404_023235_000000402088_00175_42313_1576.N1	04-APR-2010 02:32:35	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	42313	No
37	GOM_TRA_1PNPDE20100404_023857_000000382088_00175_42313_1577.N1	04-APR-2010 02:38:57	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	42313	No
38	GOM_TRA_1PNPDE20100404_024832_000000392088_00175_42313_1585.N1	04-APR-2010 02:48:32	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42313	No
39	GOM_TRA_1PNPDE20100404_025326_000000472088_00175_42313_1586.N1	04-APR-2010 02:53:26	Bright	46.500	144	18Del Cyg	2.8600	11000.	93	42313	No
40	GOM_TRA_1PNPDE20100404_025525_000000462088_00175_42313_1587.N1	04-APR-2010 02:55:25	Bright	46.000	66	37Gam Cyg	2.2080	5900.0	92	42313	No
41	GOM_TRA_1PNPDE20100404_025732_000000582088_00175_42313_1588.N1	04-APR-2010 02:57:32	Bright	57.500	92	53Eps Cyg	2.5000	4500.0	115	42313	No
42	GOM_TRA_1PNPDE20100404_030412_000000482088_00175_42313_1589.N1	04-APR-2010 03:04:12	Tw_i_and_stray	47.500	61	8Eps Peg	2.1000	3900.0	95	42313	No
43	GOM_TRA_1PNPDE20100404_030851_000000442088_00175_42313_1590.N1	04-APR-2010 03:08:51	Dark	44.000	154	22Bet Aqr	2.8990	5700.0	88	42313	No
44	GOM_TRA_1PNPDE20100404_032237_000000542088_00175_42313_1591.N1	04-APR-2010 03:22:37	Dark	54.000	103	38Zet Sgr	2.6000	9700.0	108	42313	No
45	GOM_TRA_1PNPDE20100404_032613_000000552088_00176_42314_1592.N1	04-APR-2010 03:26:13	Dark	54.500	38	20Eps Sgr	1.8360	11000.	109	42314	No
46	GOM_TRA_1PNPDE20100404_032951_000000532088_00176_42314_1593.N1	04-APR-2010 03:29:51	Dark	53.000	40	The Sco	1.8590	7100.0	106	42314	No
47	GOM_TRA_1PNPDE20100404_033306_000000422088_00176_42314_1594.N1	04-APR-2010 03:33:06	Dark	41.500	134	Bet TrA	2.8100	6600.0	83	42314	No
48	GOM_TRA_1PNPDE20100404_033834_000000432088_00176_42314_1595.N1	04-APR-2010 03:38:34	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42314	No
49	GOM_TRA_1PNPDE20100404_034010_000000462088_00176_42314_1596.N1	04-APR-2010 03:40:10	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	42314	No
50	GOM_TRA_1PNPDE20100404_034250_000000512088_00176_42314_1597.N1	04-APR-2010 03:42:50	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	42314	No
51	GOM_TRA_1PNPDE20100404_034837_000000432088_00176_42314_1598.N1	04-APR-2010 03:48:37	Tw_i_and_stray	43.000	106	9Bet Crv	2.6480	5600.0	86	42314	No
52	GOM_TRA_1PNPDE20100404_035033_000000432088_00176_42314_1599.N1	04-APR-2010 03:50:33	Tw_i_and_stray	42.500	100	4Gam Crv	2.5800	13100.	85	42314	No
53	GOM_TRA_1PNPDE20100404_035216_000000642088_00176_42314_1600.N1	04-APR-2010 03:52:16	Bright	64.000	15	67Alp Vir	0.97600	28000.	128	42314	No
54	GOM_TRA_1PNPDE20100404_035528_000000442088_00176_42314_1601.N1	04-APR-2010 03:55:28	Bright	43.500	121	29Gam Vir	2.7400	7200.0	87	42314	No
55	GOM_TRA_1PNPDE20100404_040006_000000382088_00176_42314_1602.N1	04-APR-2010 04:00:06	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	42314	No
56	GOM_TRA_1PNPDE20100404_040824_000000422088_00176_42314_1603.N1	04-APR-2010 04:08:24	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	42314	No
57	GOM_TRA_1PNPDE20100404_041128_000000392088_00176_42314_1604.N1	04-APR-2010 04:11:28	Bright	38.500	87	64Gam UMa	2.4330	11000.	77	42314	No
58	GOM_TRA_1PNPDE20100404_041310_000000412088_00176_42314_1605.N1	04-APR-2010 04:13:10	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	42314	No
59	GOM_TRA_1PNPDE20100404_041933_000000582088_00176_42314_1606.N1	04-APR-2010 04:19:33	Bright	57.500	60	7Bet UMi	2.0810	3950.0	115	42314	No
60	GOM_TRA_1PNPDE20100404_042908_000000402088_00176_42314_1612.N1	04-APR-2010 04:29:08	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42314	No
61	GOM_TRA_1PNPDE20100404_043401_000000502088_00176_42314_1613.N1	04-APR-2010 04:34:01	Bright	49.500	144	18Del Cyg	2.8600	11000.	99	42314	No
62	GOM_TRA_1PNPDE20100404_043601_000000462088_00176_42314_1614.N1	04-APR-2010 04:36:01	Bright	46.000	66	37Gam Cyg	2.2080	5900.0	92	42314	No
63	GOM_TRA_1PNPDE20100404_043808_000000462088_00176_42314_1615.N1	04-APR-2010 04:38:08	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	42314	No
64	GOM_TRA_1PNPDE20100404_044448_000000442088_00176_42314_1616.N1	04-APR-2010 04:44:48	Tw_i_and_stray	44.000	61	8Eps Peg	2.1000	3900.0	88	42314	No
65	GOM_TRA_1PNPDE20100404_044928_000000422088_00176_42314_1617.N1	04-APR-2010 04:49:28	Dark	42.000	154	22Bet Aqr	2.8990	5700.0	84	42314	No
66	GOM_TRA_1PNPDE20100404_050314_000000542088_00176_42314_1618.N1	04-APR-2010 05:03:14	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	42314	No
67	GOM_TRA_1PNPDE20100404_050650_000000552088_00177_42315_1619.N1	04-APR-2010 05:06:50	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	42315	No
68	GOM_TRA_1PNPDE20100404_051028_000000542088_00177_42315_1620.N1	04-APR-2010 05:10:28	Dark	53.500	40	The Sco	1.8590	7100.0	107	42315	No
69	GOM_TRA_1PNPDE20100404_051343_000000412088_00177_42315_1621.N1	04-APR-2010 05:13:43	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	42315	No

70	GOM_TRA_1PNPDE20100404_051910_000000442088_00177_42315_1622.N1	04-APR-2010 05:19:10	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42315	No
71	GOM_TRA_1PNPDE20100404_052047_000000462088_00177_42315_1623.N1	04-APR-2010 05:20:47	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	42315	No
72	GOM_TRA_1PNPDE20100404_052326_000000542088_00177_42315_1624.N1	04-APR-2010 05:23:26	Straylight	54.000	54	5The Cen	2.0550	4500.0	108	42315	No
73	GOM_TRA_1PNPDE20100404_052913_000000452088_00177_42315_1625.N1	04-APR-2010 05:29:13	Tw_i_and_stray	44.500	106	9Bet Crv	2.6480	5600.0	89	42315	No
74	GOM_TRA_1PNPDE20100404_053109_000000432088_00177_42315_1626.N1	04-APR-2010 05:31:09	Tw_i_and_stray	43.000	100	4Gam Crv	2.5800	13100.	86	42315	No
75	GOM_TRA_1PNPDE20100404_053253_000000632088_00177_42315_1627.N1	04-APR-2010 05:32:53	Bright	63.000	15	67Alp Vir	0.97600	28000.	126	42315	No
76	GOM_TRA_1PNPDE20100404_053604_000000452088_00177_42315_1628.N1	04-APR-2010 05:36:04	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	42315	No
77	GOM_TRA_1PNPDE20100404_054042_000000402088_00177_42315_1629.N1	04-APR-2010 05:40:42	Bright	40.000	62	94Bet Leo	2.1360	9700.0	80	42315	No
78	GOM_TRA_1PNPDE20100404_054859_000000432088_00177_42315_1630.N1	04-APR-2010 05:48:59	Bright	42.500	152	12Alp2CVn	2.8900	11000.	85	42315	No
79	GOM_TRA_1PNPDE20100404_055204_000000372088_00177_42315_1631.N1	04-APR-2010 05:52:04	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	42315	No
80	GOM_TRA_1PNPDE20100404_055346_000000412088_00177_42315_1632.N1	04-APR-2010 05:53:46	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	42315	No
81	GOM_TRA_1PNPDE20100404_060008_000000402088_00177_42315_1633.N1	04-APR-2010 06:00:08	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42315	No
82	GOM_TRA_1PNPDE20100404_202615_000000482088_00186_42324_1733.N1	04-APR-2010 20:26:15	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42324	No
83	GOM_TRA_1PNPDE20100404_202854_000000522088_00186_42324_1734.N1	04-APR-2010 20:28:54	Straylight	52.000	54	5The Cen	2.0550	4500.0	104	42324	No
84	GOM_TRA_1PNPDE20100404_203438_000000432088_00186_42324_1735.N1	04-APR-2010 20:34:38	Tw_i_and_stray	42.500	106	9Bet Crv	2.6480	5600.0	85	42324	No
85	GOM_TRA_1PNPDE20100404_203634_000000432088_00186_42324_1736.N1	04-APR-2010 20:36:34	Tw_i_and_stray	42.500	100	4Gam Crv	2.5800	13100.	85	42324	No
86	GOM_TRA_1PNPDE20100404_203816_000000652088_00186_42324_1737.N1	04-APR-2010 20:38:16	Bright	64.500	15	67Alp Vir	0.97600	28000.	129	42324	No
87	GOM_TRA_1PNPDE20100404_204126_000000422088_00186_42324_1738.N1	04-APR-2010 20:41:26	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	42324	No
88	GOM_TRA_1PNPDE20100404_204604_000000382088_00186_42324_1739.N1	04-APR-2010 20:46:04	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	42324	No
89	GOM_TRA_1PNPDE20100404_205418_000000412088_00186_42324_1740.N1	04-APR-2010 20:54:18	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	42324	No
90	GOM_TRA_1PNPDE20100404_205725_000000362088_00186_42324_1741.N1	04-APR-2010 20:57:25	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	42324	No
91	GOM_TRA_1PNPDE20100404_205906_000000402088_00186_42324_1742.N1	04-APR-2010 20:59:06	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	42324	No
92	GOM_TRA_1PNPDE20100404_210529_000000402088_00186_42324_1743.N1	04-APR-2010 21:05:29	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42324	No
93	GOM_TRA_1PNPDE20100404_211506_000000372088_00186_42324_1744.N1	04-APR-2010 21:15:06	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42324	No
94	GOM_TRA_1PNPDE20100404_211959_000000352088_00186_42324_1745.N1	04-APR-2010 21:19:59	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	42324	No
95	GOM_TRA_1PNPDE20100404_212200_000000482088_00186_42324_1746.N1	04-APR-2010 21:22:00	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	42324	No
96	GOM_TRA_1PNPDE20100404_212408_000000452088_00186_42324_1747.N1	04-APR-2010 21:24:08	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	42324	No
97	GOM_TRA_1PNPDE20100404_213050_000000482088_00186_42324_1748.N1	04-APR-2010 21:30:50	Tw_i_and_stray	47.500	61	8Eps Peg	2.1000	3900.0	95	42324	No
98	GOM_TRA_1PNPDE20100404_213531_000000442088_00186_42324_1749.N1	04-APR-2010 21:35:31	Dark	43.500	154	22Bet Aqr	2.8990	5700.0	87	42324	No
99	GOM_TRA_1PNPDE20100404_214926_000000542088_00186_42324_1752.N1	04-APR-2010 21:49:26	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	42324	No
100	GOM_TRA_1PNPDE20100404_215303_000000572088_00187_42325_1753.N1	04-APR-2010 21:53:03	Dark	57.000	38	20Eps Sgr	1.8360	11000.	114	42325	No
101	GOM_TRA_1PNPDE20100404_215639_000000522088_00187_42325_1754.N1	04-APR-2010 21:56:39	Dark	52.000	40	The Sco	1.8590	7100.0	104	42325	No
102	GOM_TRA_1PNPDE20100404_215947_000000402088_00187_42325_1755.N1	04-APR-2010 21:59:47	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	42325	No
103	GOM_TRA_1PNPDE20100404_220515_000000422088_00187_42325_1756.N1	04-APR-2010 22:05:15	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42325	No
104	GOM_TRA_1PNPDE20100404_220652_000000482088_00187_42325_1757.N1	04-APR-2010 22:06:52	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42325	No
105	GOM_TRA_1PNPDE20100404_220930_000000552088_00187_42325_1758.N1	04-APR-2010 22:09:30	Straylight	55.000	54	5The Cen	2.0550	4500.0	110	42325	No
106	GOM_TRA_1PNPDE20100404_221514_000000452088_00187_42325_1759.N1	04-APR-2010 22:15:14	Tw_i_and_stray	45.000	106	9Bet Crv	2.6480	5600.0	90	42325	No
107	GOM_TRA_1PNPDE20100404_221709_000000432088_00187_42325_1760.N1	04-APR-2010 22:17:09	Tw_i_and_stray	42.500	100	4Gam Crv	2.5800	13100.	85	42325	No
108	GOM_TRA_1PNPDE20100404_221851_000000592088_00187_42325_1761.N1	04-APR-2010 22:18:51	Bright	59.000	15	67Alp Vir	0.97600	28000.	118	42325	No
109	GOM_TRA_1PNPDE20100404_222202_000000432088_00187_42325_1762.N1	04-APR-2010 22:22:02	Bright	43.000	121	29Gam Vir	2.7400	7200.0	86	42325	No
110	GOM_TRA_1PNPDE20100404_222640_000000382088_00187_42325_1763.N1	04-APR-2010 22:26:40	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	42325	No
111	GOM_TRA_1PNPDE20100404_223453_000000422088_00187_42325_1764.N1	04-APR-2010 22:34:53	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	42325	No
112	GOM_TRA_1PNPDE20100404_223801_000000362088_00187_42325_1765.N1	04-APR-2010 22:38:01	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	42325	No
113	GOM_TRA_1PNPDE20100404_223941_000000422088_00187_42325_1766.N1	04-APR-2010 22:39:41	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	42325	No
114	GOM_TRA_1PNPDE20100404_224604_000000382088_00187_42325_1767.N1	04-APR-2010 22:46:04	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	42325	No
115	GOM_TRA_1PNPDE20100404_225542_000000392088_00187_42325_1768.N1	04-APR-2010 22:55:42	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	42325	No
116	GOM_TRA_1PNPDE20100404_230034_000000352088_00187_42325_1769.N1	04-APR-2010 23:00:34	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	42325	No
117	GOM_TRA_1PNPDE20100404_230236_000000482088_00187_42325_1770.N1	04-APR-2010 23:02:36	Bright	47.500	66	37Gam Cyg	2.2080	5900.0	95	42325	No
118	GOM_TRA_1PNPDE20100404_230444_000000452088_00187_42325_1771.N1	04-APR-2010 23:04:44	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	42325	No
119	GOM_TRA_1PNPDE20100404_231126_000000502088_00187_42325_1772.N1	04-APR-2010 23:11:26	Tw_i_and_stray	49.500	61	8Eps Peg	2.1000	3900.0	99	42325	No
120	GOM_TRA_1PNPDE20100404_231607_000000452088_00187_42325_1773.N1	04-APR-2010 23:16:07	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	42325	No
121	GOM_TRA_1PNPDE20100404_233004_000000532088_00187_42325_1776.N1	04-APR-2010 23:30:04	Dark	53.000	103	38Zet Sgr	2.6000	9700.0	106	42325	No
122	GOM_TRA_1PNPDE20100404_233340_000000542088_00188_42326_1777.N1	04-APR-2010 23:33:40	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	42326	No
123	GOM_TRA_1PNPDE20100404_233716_000000532088_00188_42326_1778.N1	04-APR-2010 23:37:16	Dark	53.000	40	The Sco	1.8590	7100.0	106	42326	No
124	GOM_TRA_1PNPDE20100404_234023_000000402088_00188_42326_1779.N1	04-APR-2010 23:40:23	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	42326	No
125	GOM_TRA_1PNPDE20100404_234552_000000442088_00188_42326_1780.N1	04-APR-2010 23:45:52	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42326	No
126	GOM_TRA_1PNPDE20100404_234728_000000502088_00188_42326_1781.N1	04-APR-2010 23:47:28	Straylight	49.500	81	Eta Cen	2.3560	28000.	99	42326	No
127	GOM_TRA_1PNPDE20100404_235006_000000512088_00188_42326_1782.N1	04-APR-2010 23:50:06	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	42326	No
128	GOM_TRA_1PNPDE20100404_235550_000000472088_00188_42326_1783.N1	04-APR-2010 23:55:50	Tw_i_and_stray	46.500	106	9Bet Crv	2.6480	5600.0	93	42326	No

129	GOM_TRA_1PNPDE20100404_235745_000000422088_00188_42326_1784.N1	04-APR-2010 23:57:45	Twilight_stray	42.000	100	4Gam Crv	2.5800	13100.	84	42326	No
130	GOM_TRA_1PNPDE20100404_235927_000000592088_00188_42326_1785.N1	04-APR-2010 23:59:27	Bright	59.000	15	67Alp Vir	0.97600	28000.	118	42326	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).

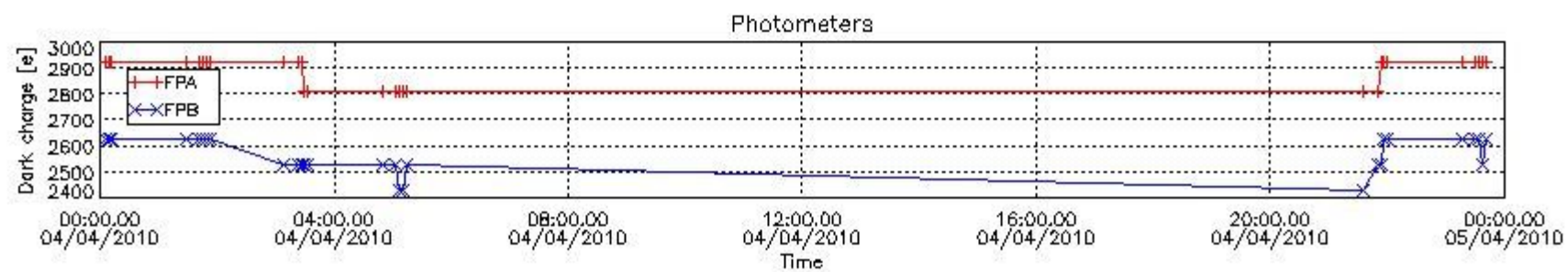
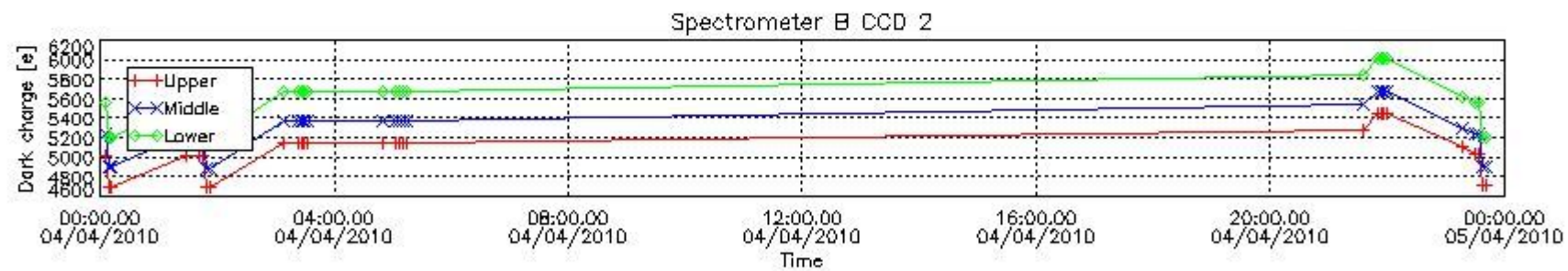
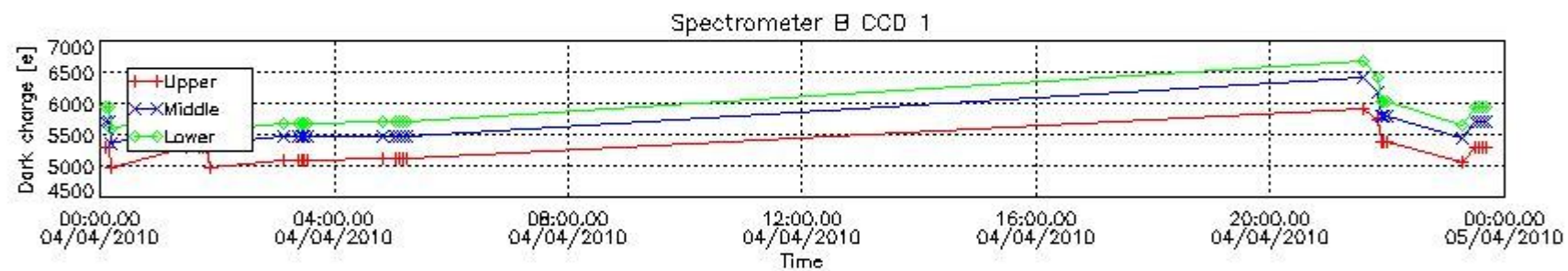
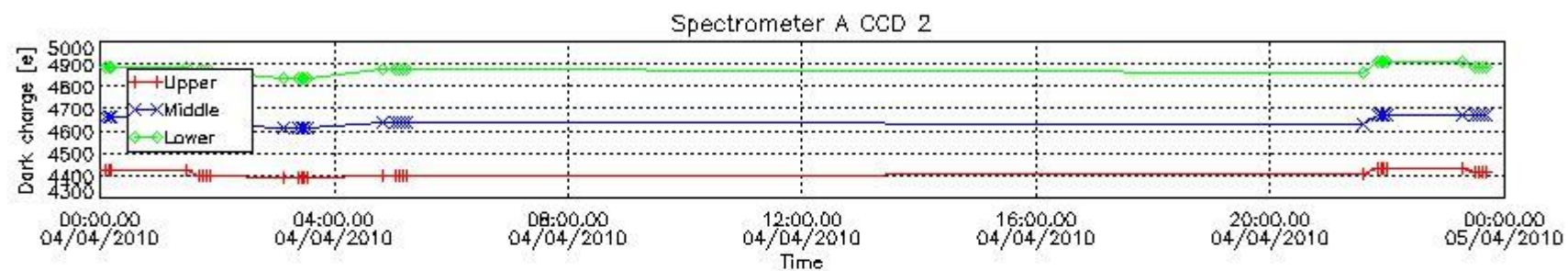
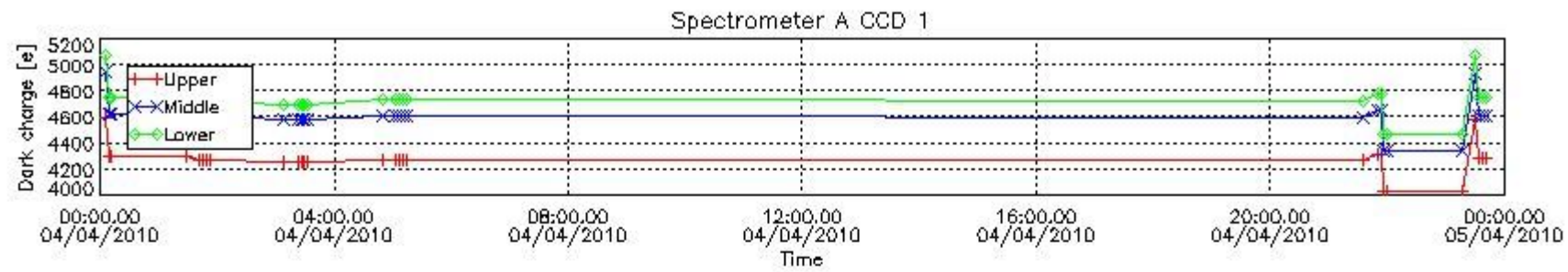
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100404_202615_000000482088_00186_42324_1733.N1	DC map used
GOM_TRA_1PNPDE20100404_202854_000000522088_00186_42324_1734.N1	DC map used
GOM_TRA_1PNPDE20100404_203438_000000432088_00186_42324_1735.N1	DC map used
GOM_TRA_1PNPDE20100404_203634_000000432088_00186_42324_1736.N1	DC map used
GOM_TRA_1PNPDE20100404_203816_000000652088_00186_42324_1737.N1	DC map used
GOM_TRA_1PNPDE20100404_204126_000000422088_00186_42324_1738.N1	DC map used
GOM_TRA_1PNPDE20100404_204604_000000382088_00186_42324_1739.N1	DC map used
GOM_TRA_1PNPDE20100404_205418_000000412088_00186_42324_1740.N1	DC map used

GOM_TRA_1PNPDE20100404_205725_000000362088_00186_42324_1741.N1	DC map used
GOM_TRA_1PNPDE20100404_205906_000000402088_00186_42324_1742.N1	DC map used
GOM_TRA_1PNPDE20100404_210529_000000402088_00186_42324_1743.N1	DC map used
GOM_TRA_1PNPDE20100404_211506_000000372088_00186_42324_1744.N1	DC map used
GOM_TRA_1PNPDE20100404_211959_000000352088_00186_42324_1745.N1	DC map used
GOM_TRA_1PNPDE20100404_212200_000000482088_00186_42324_1746.N1	DC map used
GOM_TRA_1PNPDE20100404_212408_000000452088_00186_42324_1747.N1	DC map used
GOM_TRA_1PNPDE20100404_213050_000000482088_00186_42324_1748.N1	DC map used
GOM_TRA_1PNPDE20100404_213531_000000442088_00186_42324_1749.N1	DC map used

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



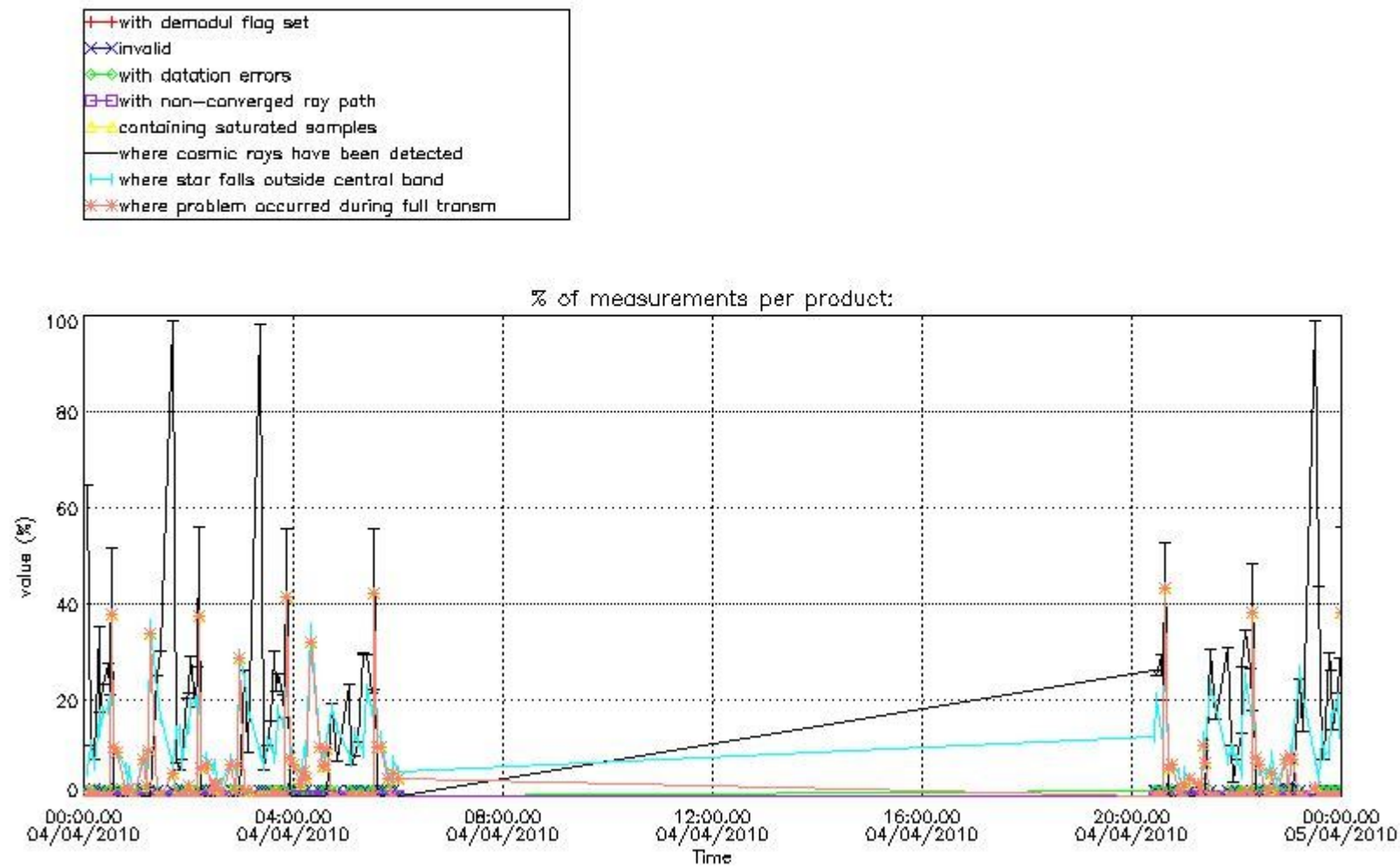
5. Demodulation flag and quality information monitoring

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.

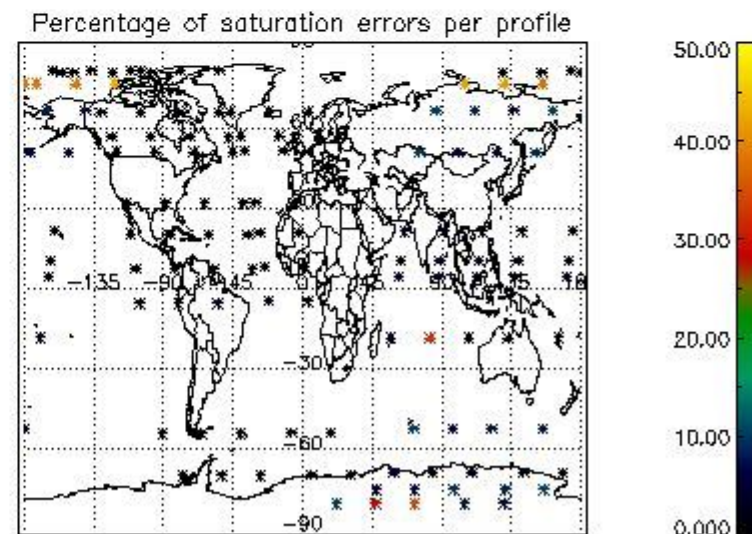
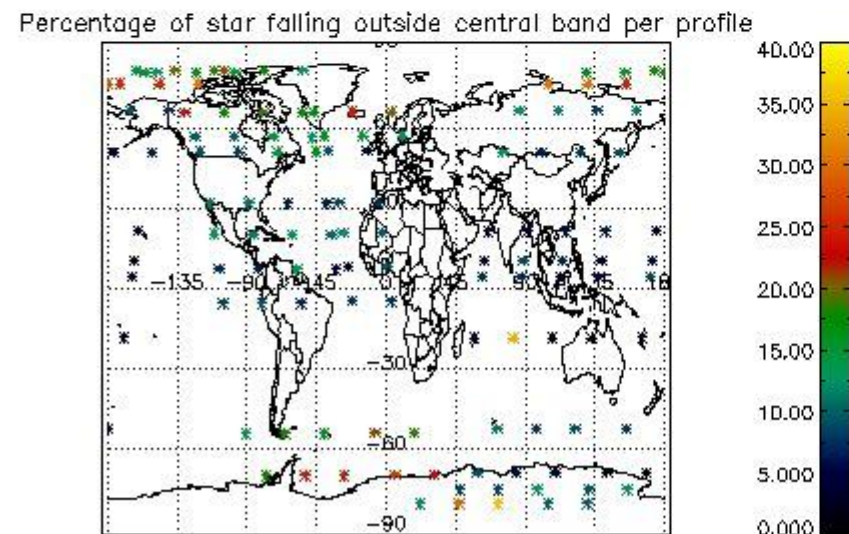
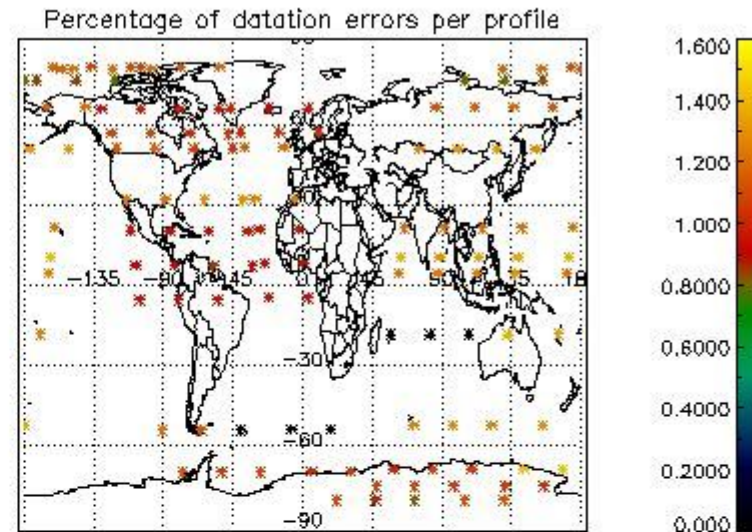
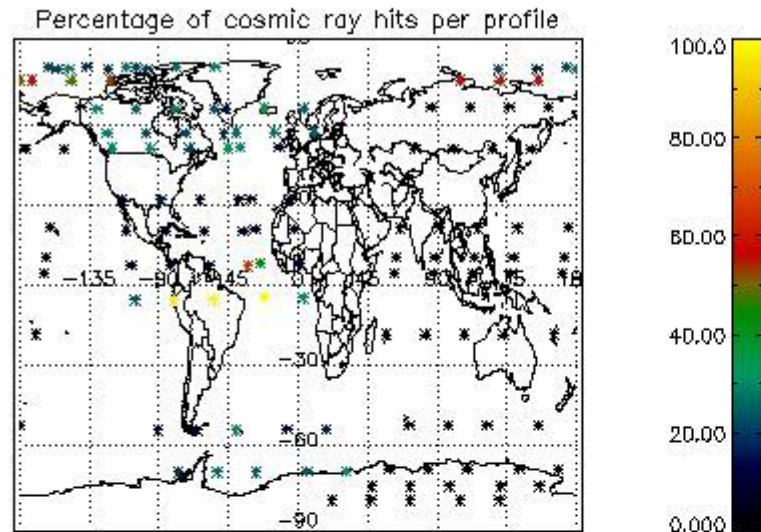
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	42.3077 %
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)



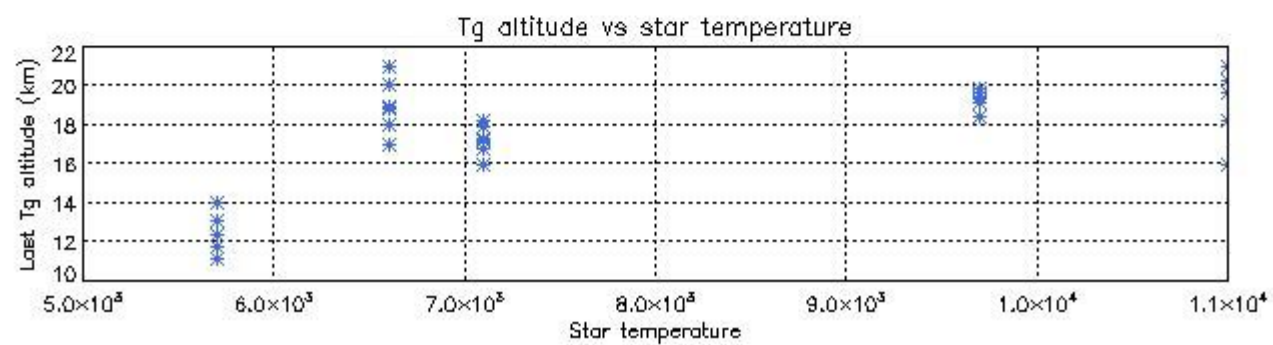
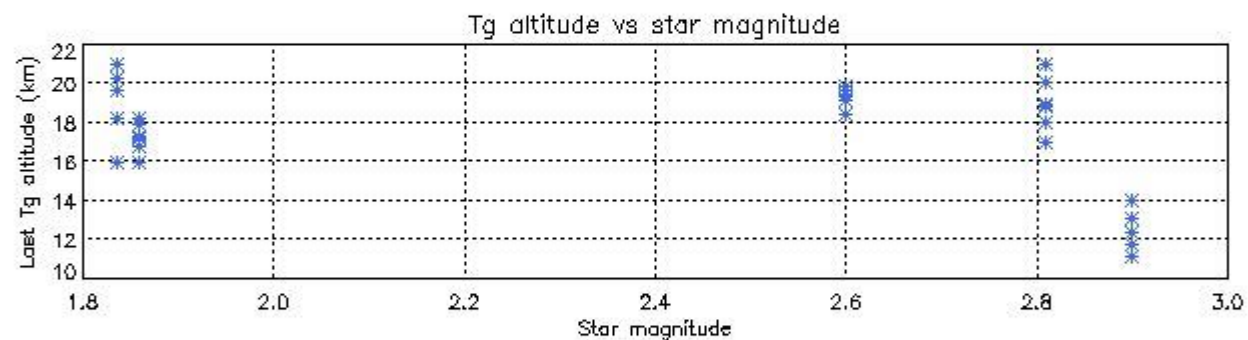
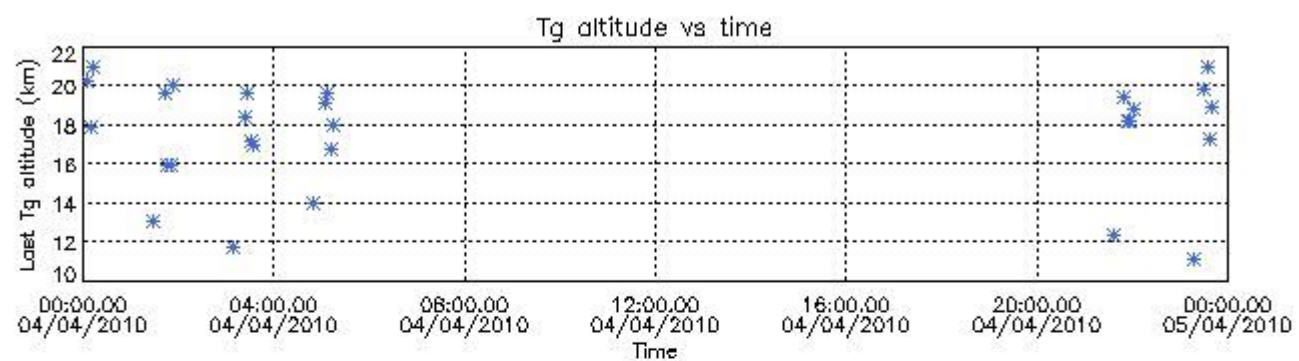
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.523	19.249	NaN
St. deviation:	2.7725	7.8685	NaN
Maximum:	20.999	49.158	NaN
Minimum:	11.106	3.5112	NaN
Number of data:	28.000	63.000	NaN

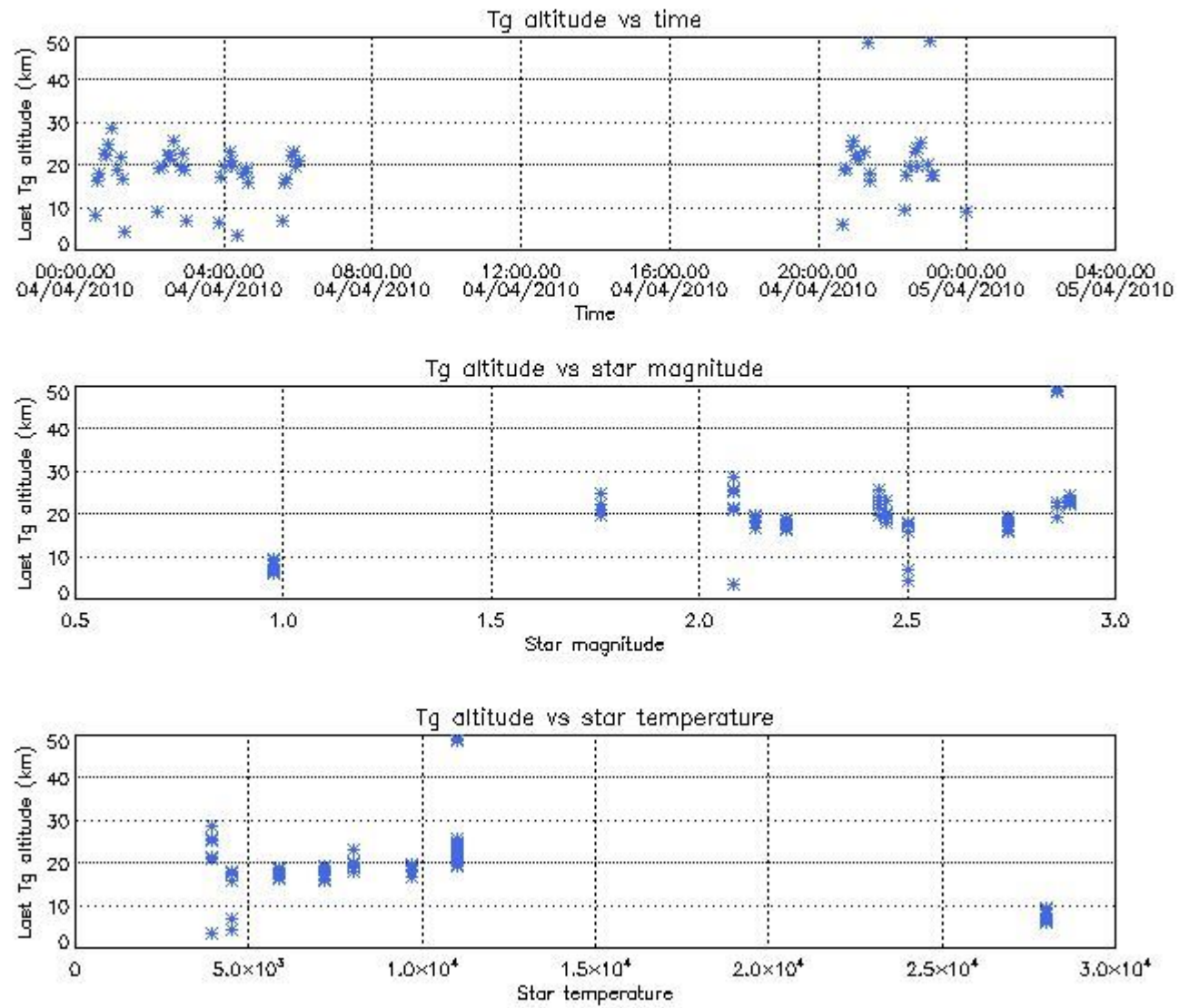
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

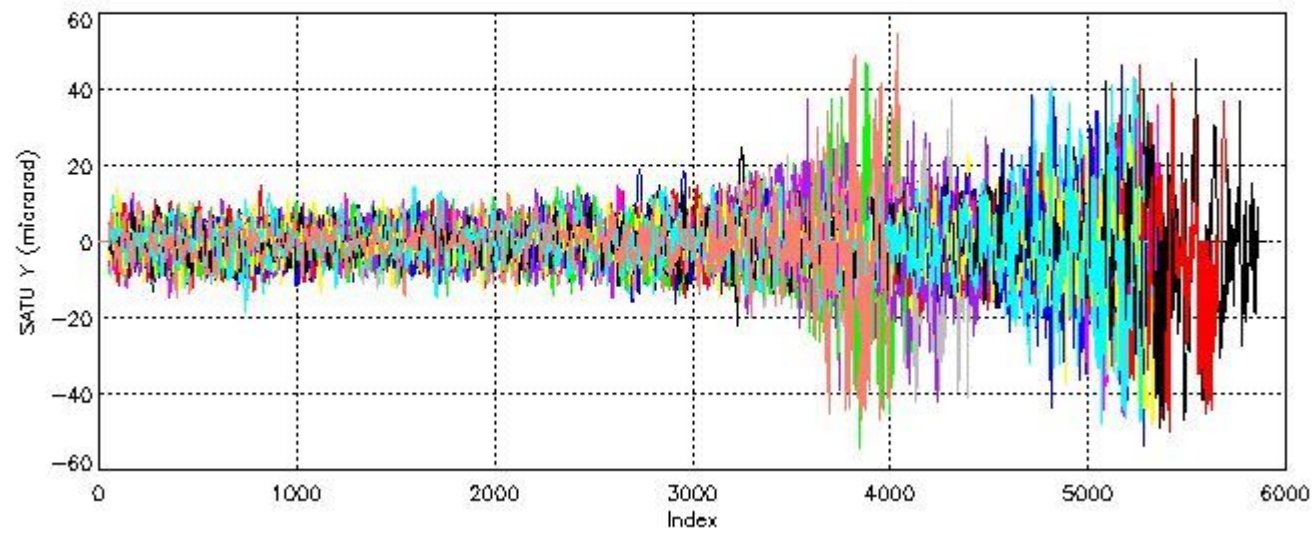
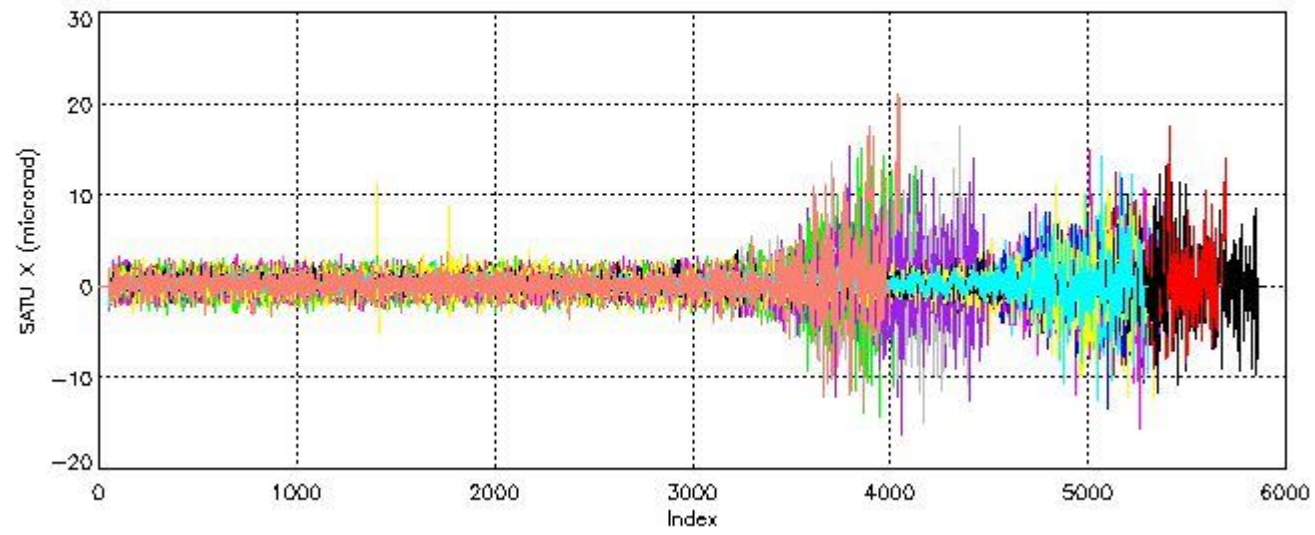


7. Star Acquisition and Tracking Unit (SATU)

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:	0.20644	-0.51033	0.19590	-0.47292
St. deviation:	0.69844	3.6314	0.83155	3.2644
Maximum:	3.5000	14.800	6.6000	12.300
Minimum:	-3.4000	-18.200	-5.8000	-14.600

Number of data:	31900.	31900.	62250.	62250.
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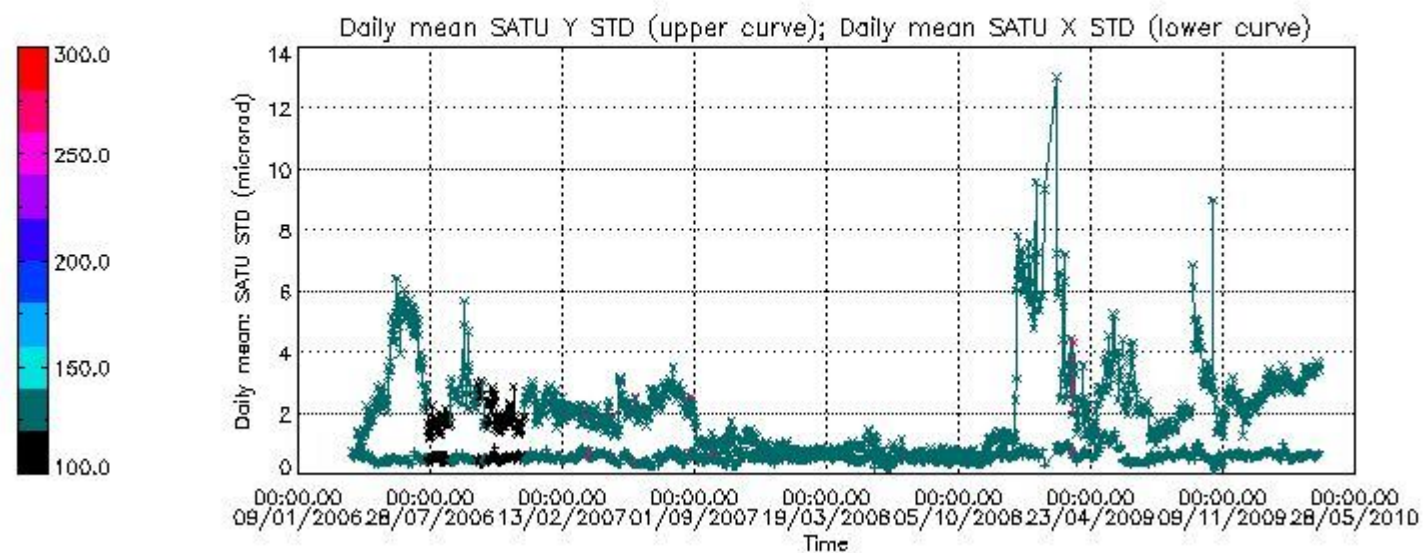
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

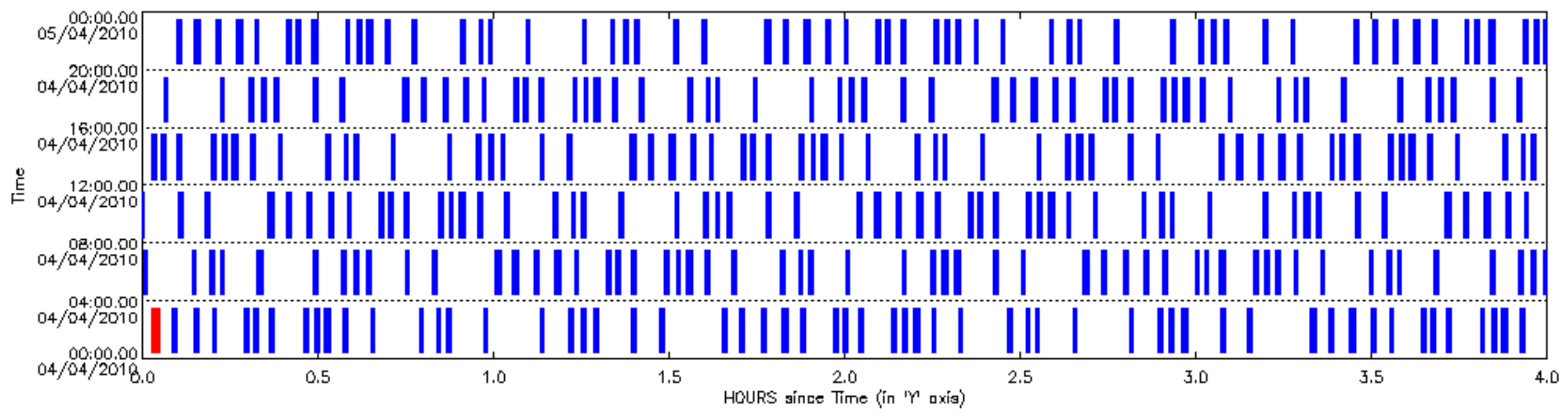
Lower curve: STD of SATU X axis

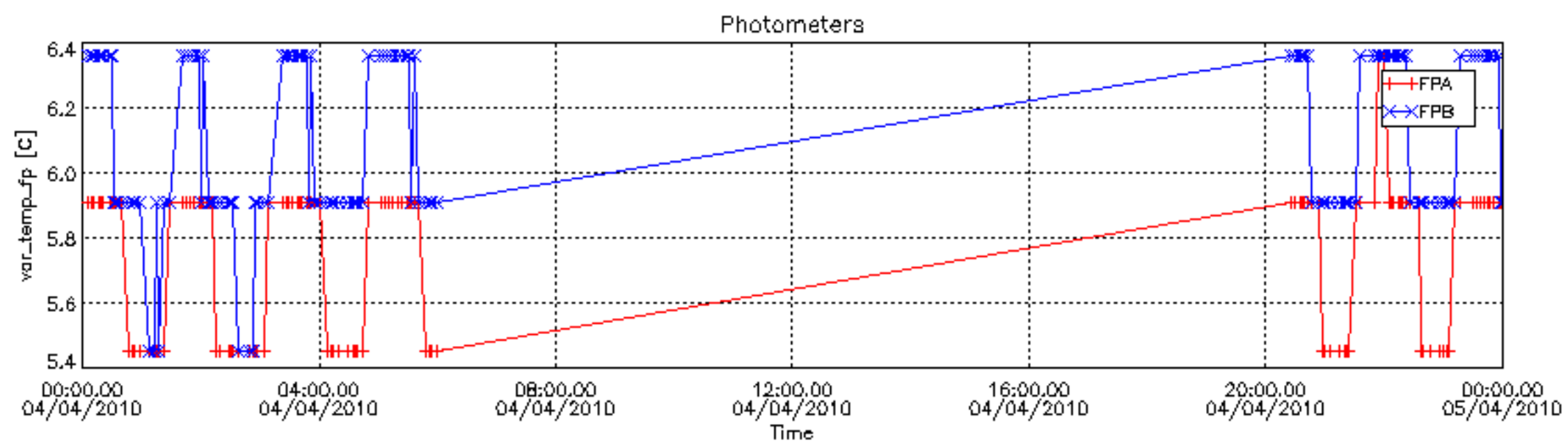
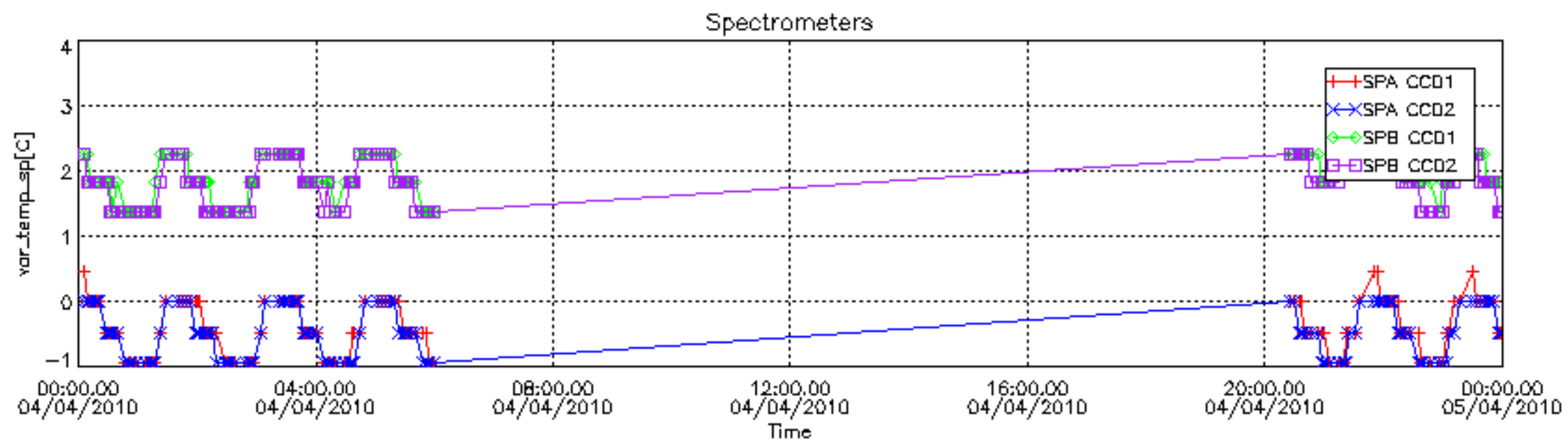


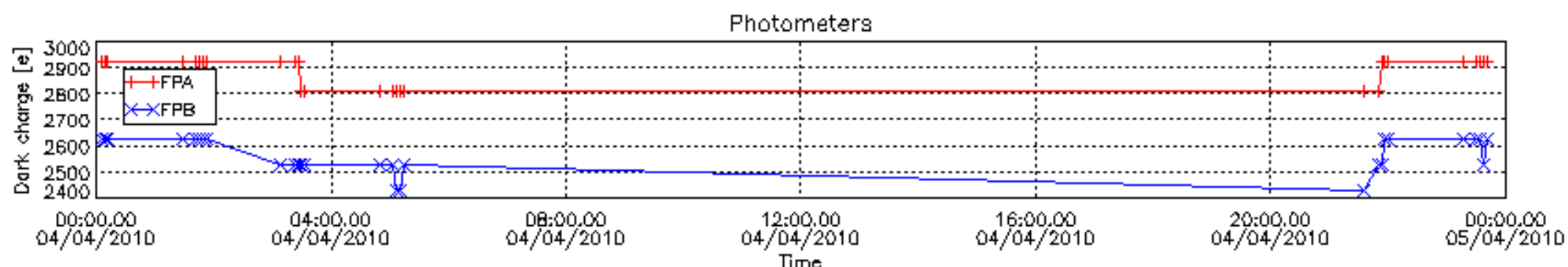
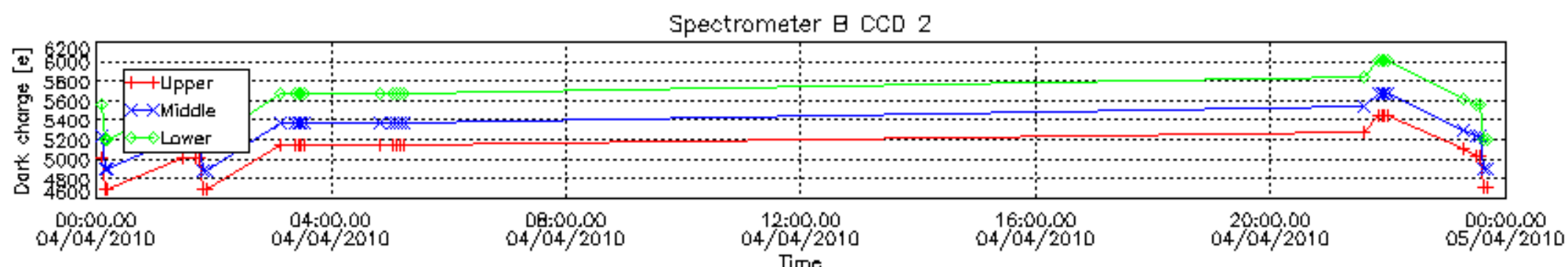
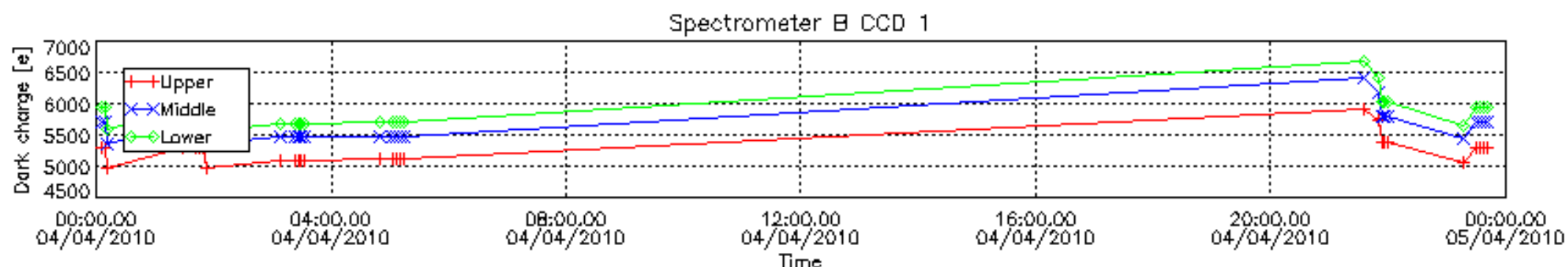
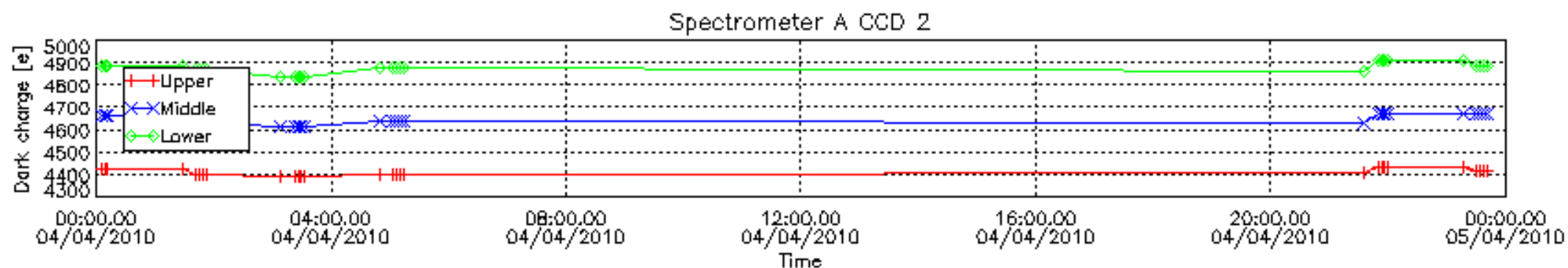
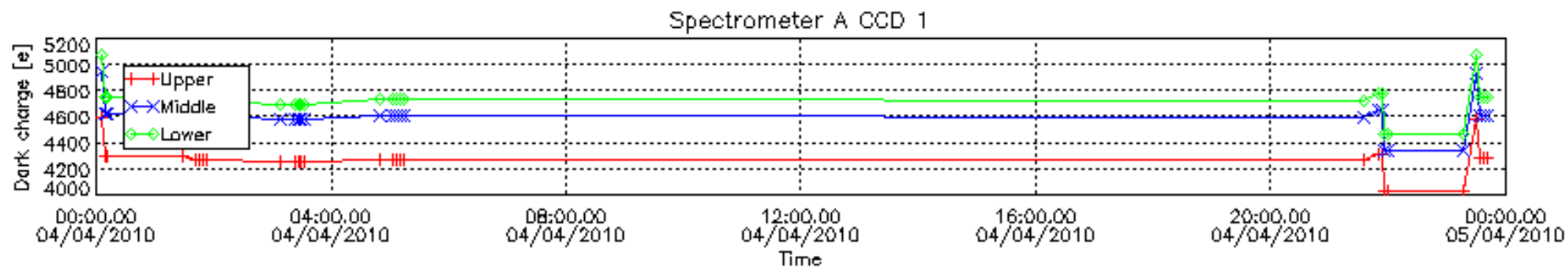
8. Auxiliary Data Files used for the production reported in section 2.4

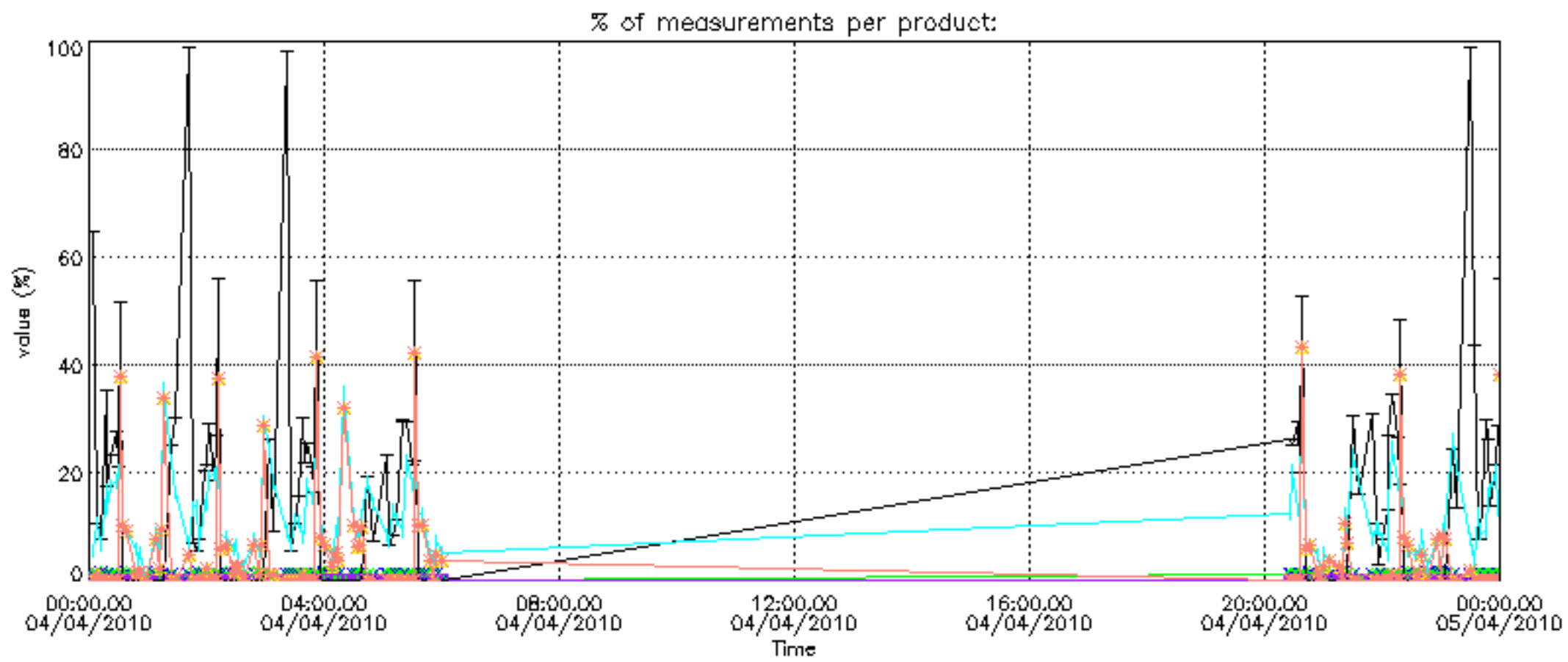
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	04-APR-2010 00:04:58
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100330_083348_20100328_000000_20500101_000000	1	04-APR-2010 00:04:58
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	04-APR-2010 00:04:58
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-APR-2010 00:04:58
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	04-APR-2010 00:04:58
ECMWF_FILE	AUX_ECF_AXNECM20100403_054117_20100403_210000_20100404_090000	1	04-APR-2010 00:04:58
ECMWF_FILE	AUX_ECF_AXNECM20100403_172119_20100404_030000_20100404_150000	60	04-APR-2010 04:29:08
ECMWF_FILE	AUX_ECF_AXNECM20100404_052118_20100404_150000_20100405_030000	82	04-APR-2010 20:26:15
ECMWF_FILE	AUX_ECF_AXNECM20100404_054258_20100404_210000_20100405_090000	99	04-APR-2010 21:49:26
OPTIONAL_ECMWF_FILE	MISSING	1	04-APR-2010 00:04:58
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100403_100116_20100402_193246_20100412_205859	1	04-APR-2010 00:04:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100404_013012_000038252088_00174_42312_0094.N1	22	04-APR-2010 01:42:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100404_023916_000060572088_00175_42313_0095.N1	38	04-APR-2010 02:48:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100404_042532_000054192088_00176_42314_0096.N1	60	04-APR-2010 04:29:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100404_202154_000041442088_00186_42324_0097.N1	82	04-APR-2010 20:26:15
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100404_092256_20100403_190109_20100413_202722	99	04-APR-2010 21:49:26
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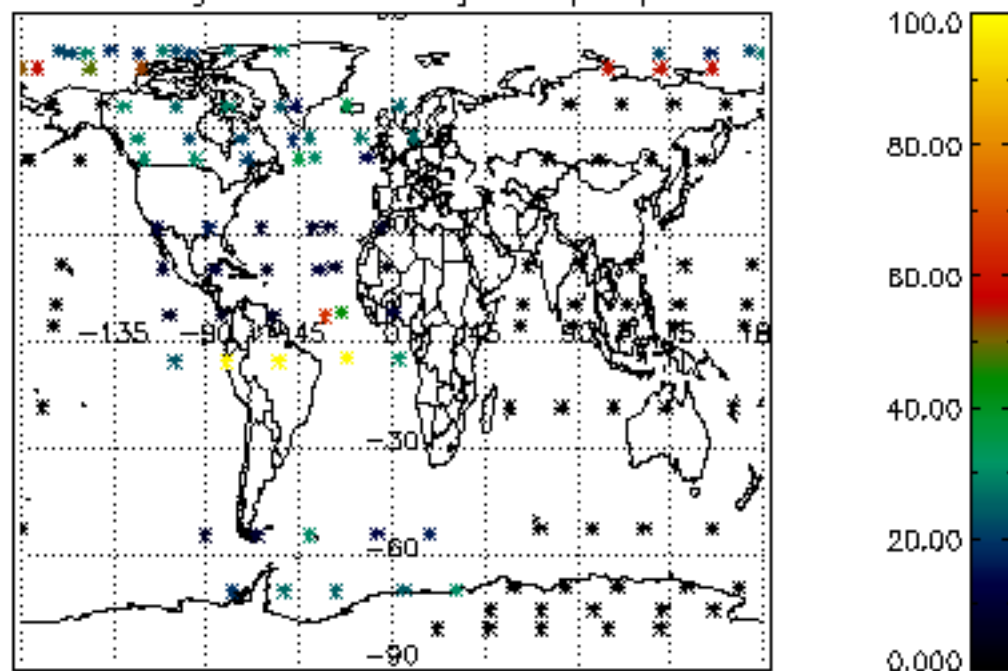




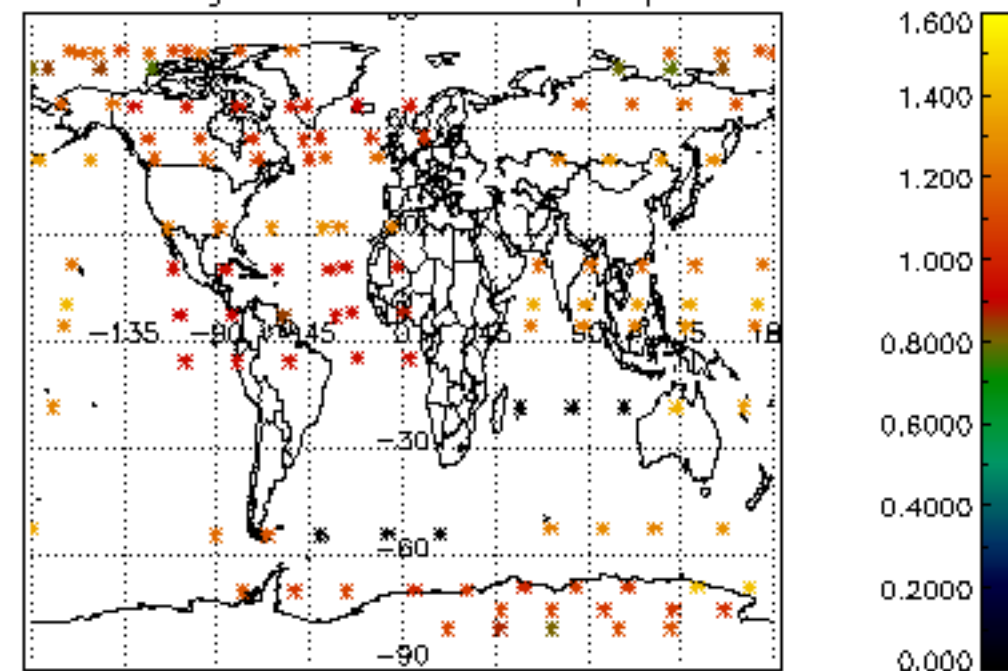




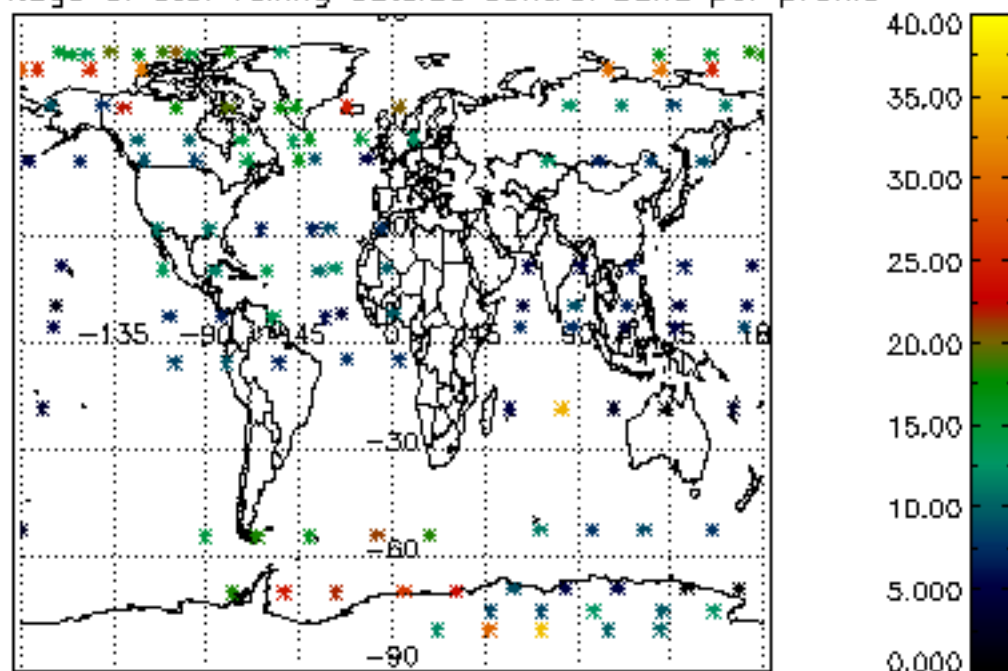
Percentage of cosmic ray hits per profile



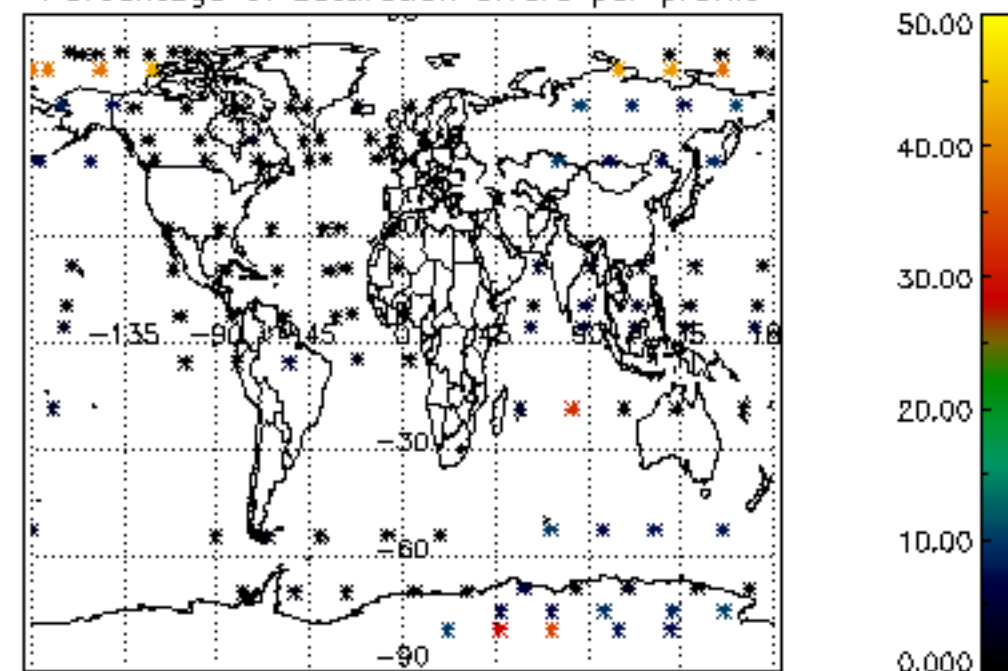
Percentage of datation errors per profile



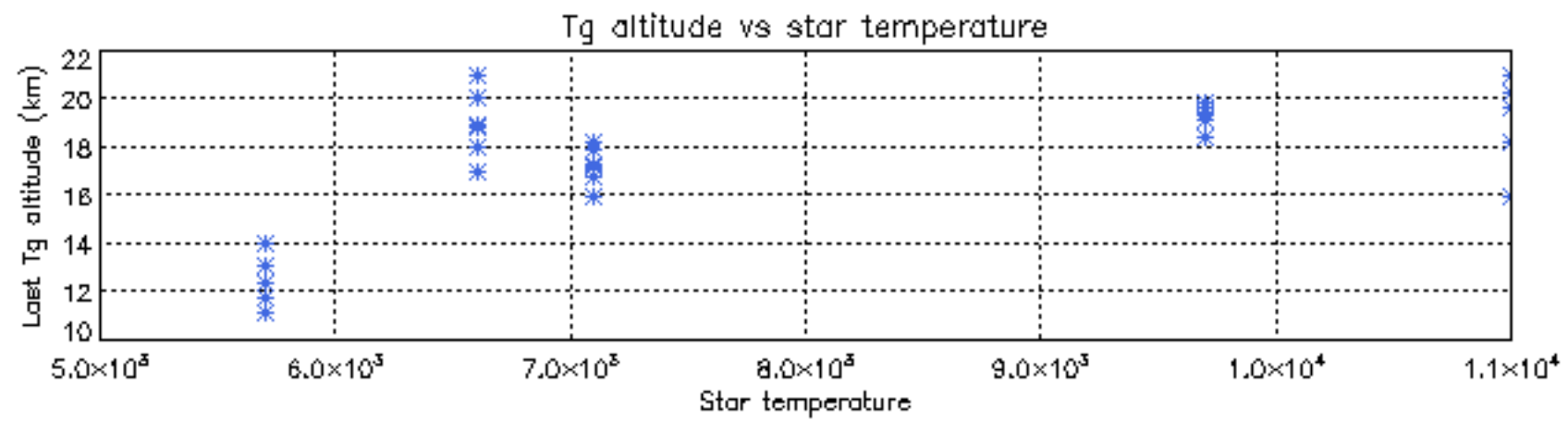
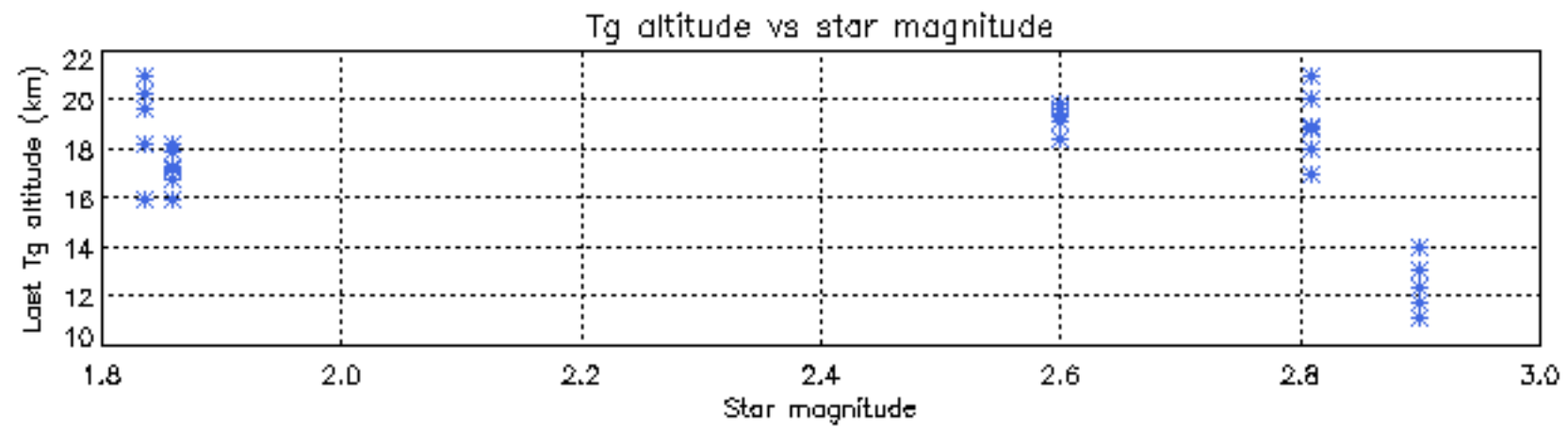
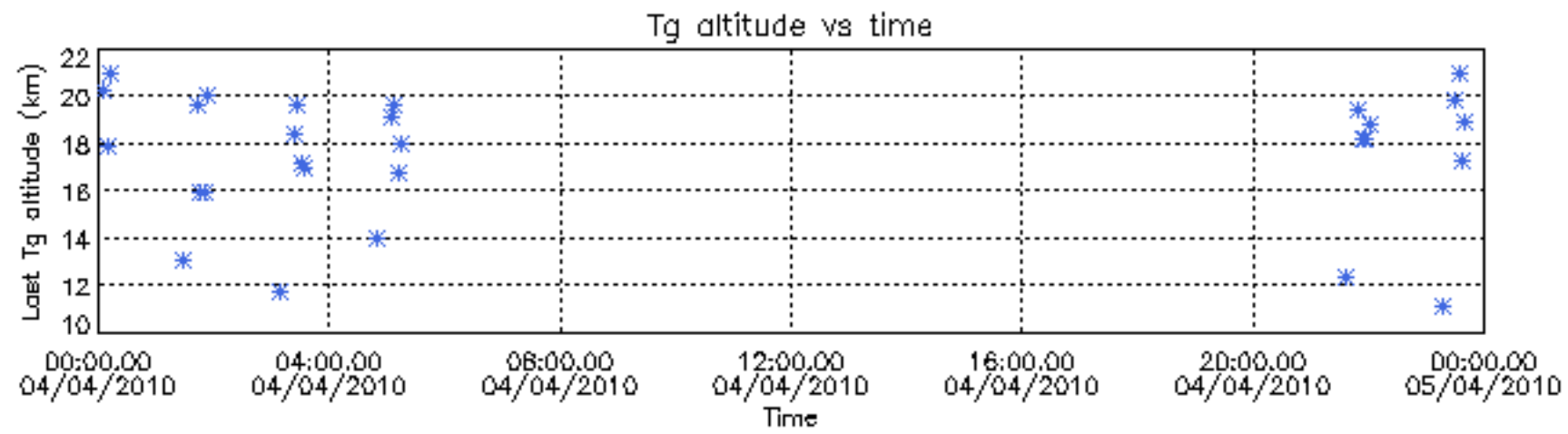
Percentage of star falling outside central band per profile



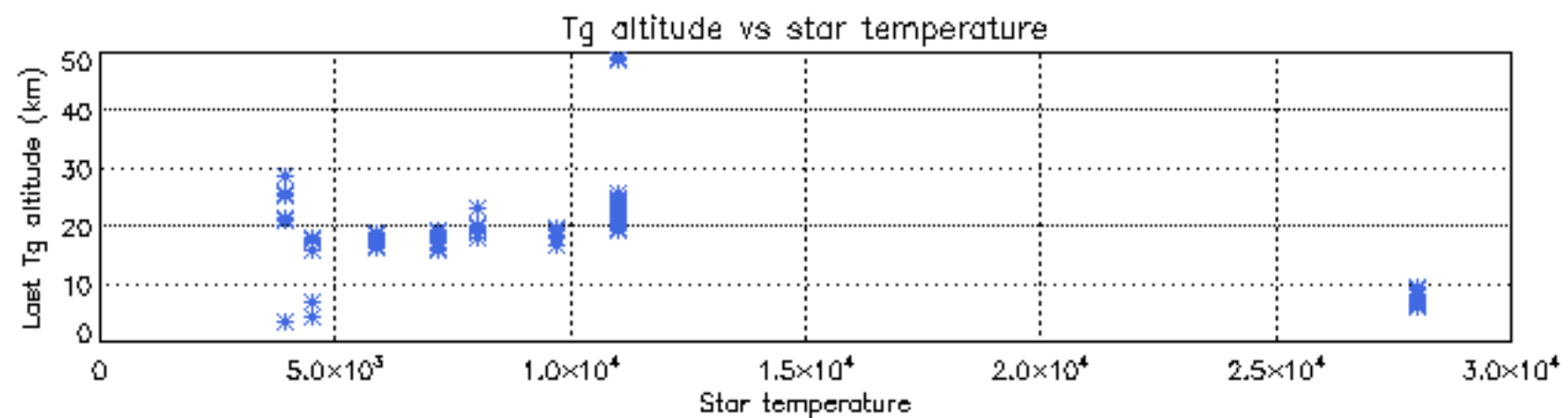
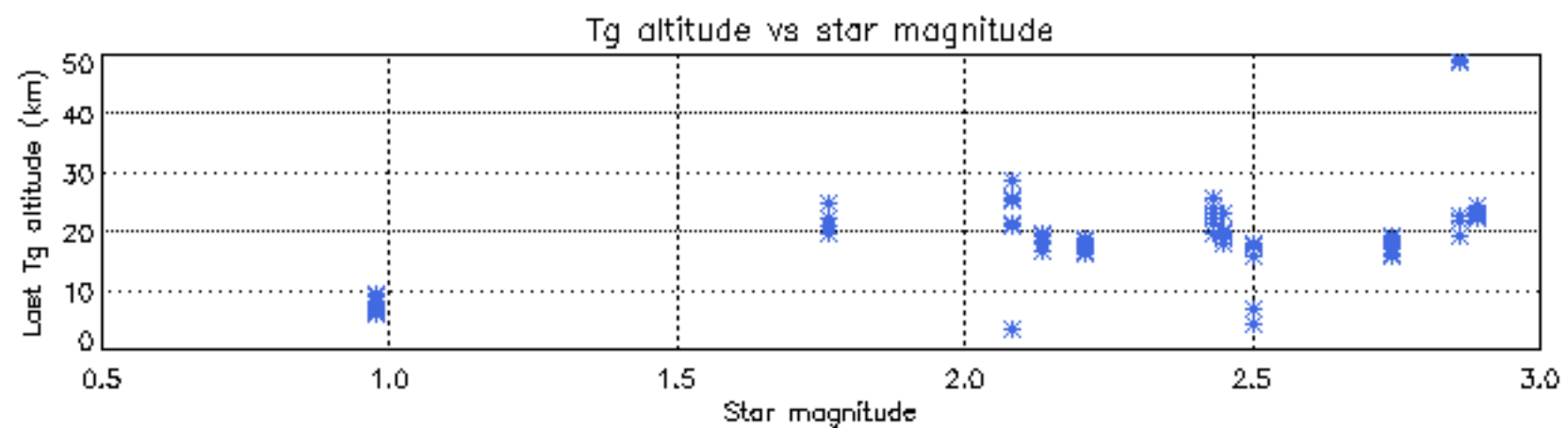
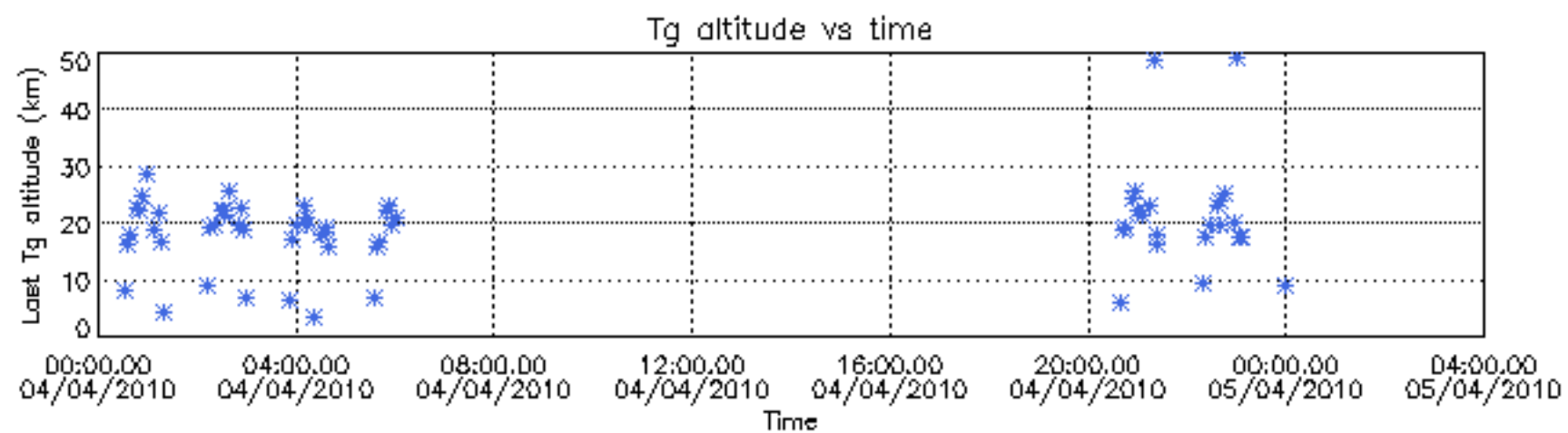
Percentage of saturation errors per profile

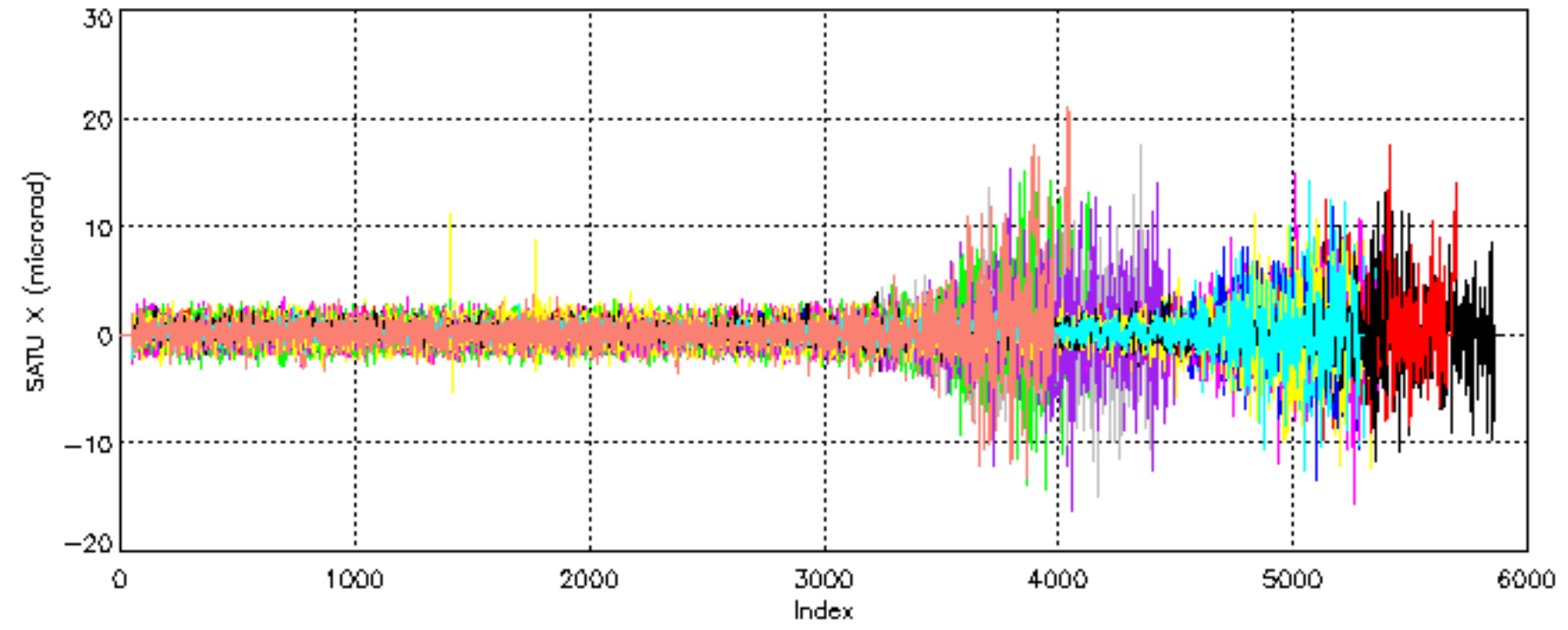


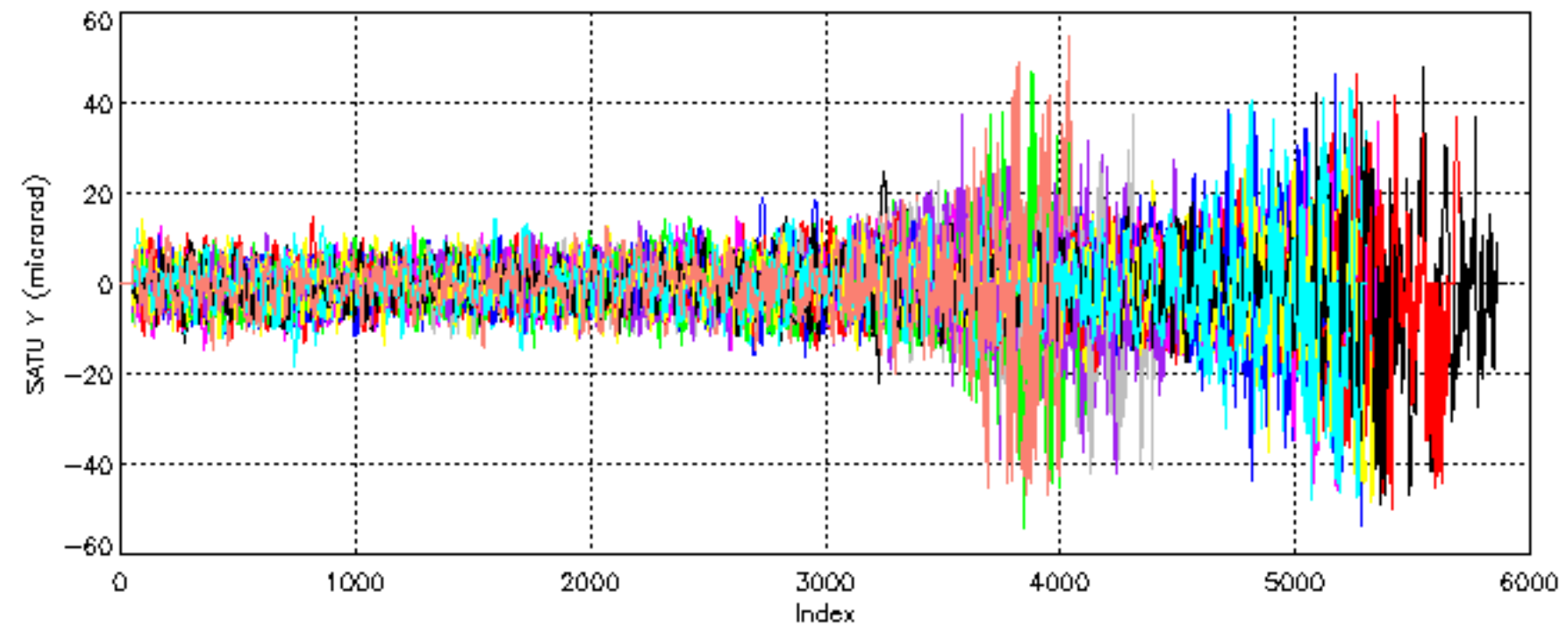
Tangent altitude at which the star is lost

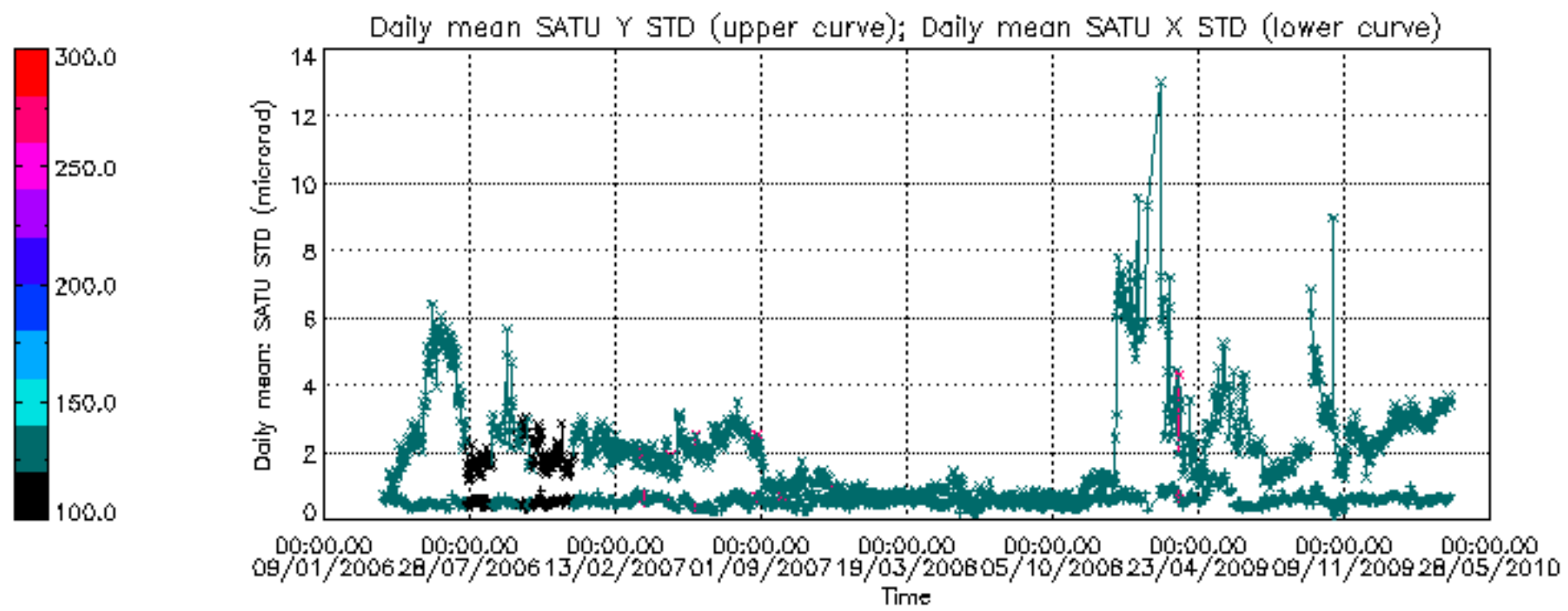


Tangent altitude at which the star is lost









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 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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 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
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 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
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 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
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 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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 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
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 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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 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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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
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11; 3334.8; 01-APR-2010 20:59:58; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42281
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6; 679.4; 01-APR-2010 21:56:19; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 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
5; 522.1; 01-APR-2010 23:34:17; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;42283
6; 680.0; 01-APR-2010 23:36:55; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;42283
7; 846.3; 01-APR-2010 23:39:41; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42283
8; 942.9; 01-APR-2010 23:41:18; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42283
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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
 9; 517.0; 01-APR-2010 06:48:13; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42273
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 12; 936.4; 01-APR-2010 06:55:12; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 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
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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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 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
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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
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 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
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 11; 4434.5; 01-APR-2010 09:34:06; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42274
 12; 5724.6; 01-APR-2010 09:55:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42274
 13; 5893.5; 01-APR-2010 09:58:25; Dark ; 57.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 114; 0;42274
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 15; 6334.8; 01-APR-2010 10:05:47; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;42275
 16; 6553.9; 01-APR-2010 10:09:26; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;42275
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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
 23; 7724.2; 01-APR-2010 10:28:56; Dark ; 9.0; 15; 67Alp Vir ; 0.98; 28000;occ; 18; 0;42275

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 3; 2160.3; 01-APR-2010 10:36:48; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42275
 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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5; 73.1; 01-APR-2010 11:42:37; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42276
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7; 518.6; 01-APR-2010 11:50:02; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;42276
8; 676.5; 01-APR-2010 11:52:40; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;42276
9; 841.9; 01-APR-2010 11:55:26; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42276
10; 938.3; 01-APR-2010 11:57:02; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42276
11; 1101.8; 01-APR-2010 11:59:46; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42276
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5; 2665.9; 01-APR-2010 12:25:50; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42276
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7; 2957.6; 01-APR-2010 12:30:41; Bright; 38.5; 36; 50Alp UMa ; 1.80; 6300;occ; 77; 0;42276
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9; 3901.8; 01-APR-2010 12:46:25; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42276
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12; 4434.9; 01-APR-2010 12:55:19; Bright; 45.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 91; 0;42276
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4; 2160.2; 01-APR-2010 13:58:00; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42277
5; 2666.2; 01-APR-2010 14:06:26; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42277
6; 2847.1; 01-APR-2010 14:09:27; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42277
7; 2957.4; 01-APR-2010 14:11:17; Bright; 40.5; 36; 50Alp UMa ; 1.80; 6300;occ; 81; 0;42277
8; 3336.1; 01-APR-2010 14:17:36; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42277
9; 3901.8; 01-APR-2010 14:27:01; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42277
10; 4198.5; 01-APR-2010 14:31:58; Bright; 44.5; 144; 18Del Cyg ; 2.86; 11000;occ; 89; 0;42277
11; 4312.9; 01-APR-2010 14:33:52; Bright; 42.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 85; 0;42277
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8; 2957.4; 01-APR-2010 15:51:53; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;42278
9; 3335.6; 01-APR-2010 15:58:11; Bright; 43.5; 60; 7Bet UMi ; 2.08; 3950;occ; 87; 0;42278
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 7; 3899.9; 03-APR-2010 10:02:34; Bright; 50.0; 89; 5Alp Cep ; 2.45; 8000;occ; 100; 0;42303
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 9; 4312.7; 03-APR-2010 10:09:26; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42303
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 22; 5090.7; 22-APR-2010 00:21:39; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;42569
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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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9; 3838.4; 28-APR-2010 18:38:51; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;42666
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5; 2652.7; 28-APR-2010 19:59:42; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42667
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5; 1120.4; 29-APR-2010 00:35:57; Dark ; 40.0; 81; Eta Cen ; 2.36; 28000;occ; 80; 0;42670
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7; 2239.1; 29-APR-2010 00:54:36; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42670
8; 2472.6; 29-APR-2010 00:58:29; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42670
9; 2650.8; 29-APR-2010 01:01:27; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42670
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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
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4;	732.9;	30-APR-2010	01:38:29;	Dark	;	53.0;	40;	The Sco	;	1.86;	7100;occ;	106;	0;	42685
5;	836.9;	30-APR-2010	01:40:13;	Dark	;	58.5;	25;	35Lam Sco	;	1.62;	28000;occ;	117;	0;	42685
6;	1028.3;	30-APR-2010	01:43:24;	Dark	;	60.5;	75;	26Eps Sco	;	2.29;	4250;occ;	121;	0;	42685
7;	1257.3;	30-APR-2010	01:47:13;	Dark	;	71.5;	16;	21Alp Sco	;	1.02;	3000;occ;	143;	0;	42685
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14;	2773.9;	30-APR-2010	02:12:30;	Bright;		39.5;	39;	85Eta UMa	;	1.85;	24000;occ;	79;	0;	42685
15;	3220.4;	30-APR-2010	02:19:56;	Bright;		45.0;	119;	14Eta Dra	;	2.73;	4700;occ;	90;	0;	42685
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21;	5165.9;	30-APR-2010	02:52:22;	Dark	;	53.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	107;	0;	42685
22;	5382.7;	30-APR-2010	02:55:58;	Dark	;	59.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	118;	0;	42685
23;	5540.6;	30-APR-2010	02:58:36;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	42685
24;	6662.6;	30-APR-2010	03:17:18;	Dark	;	42.5;	141;	Bet Ara	;	2.84;	4600;occ;	85;	0;	42686
25;	6769.6;	30-APR-2010	03:19:05;	Dark	;	50.0;	40;	The Sco	;	1.86;	7100;occ;	100;	0;	42686
26;	6873.7;	30-APR-2010	03:20:49;	Dark	;	64.0;	25;	35Lam Sco	;	1.62;	28000;occ;	128;	0;	42686
27;	7064.9;	30-APR-2010	03:24:01;	Dark	;	64.0;	75;	26Eps Sco	;	2.29;	4250;occ;	128;	0;	42686
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32;	8272.0;	30-APR-2010	03:44:08;	Bright;		38.5;	111;	8Eta Boo	;	2.68;	6000;occ;	77;	0;	42686
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35;	8809.9;	30-APR-2010	03:53:06;	Bright;		39.5;	39;	85Eta UMa	;	1.85;	24000;occ;	79;	0;	42686
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3;	-1890.8;	30-APR-2010	04:15:57;	Bright;		60.0;	19;	50Alp Cyg	;	1.25;	10500;occ;	120;	0;	42686
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7;	-869.3;	30-APR-2010	04:32:58;	Dark	;	55.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	110;	0;	42686
8;	-651.9;	30-APR-2010	04:36:36;	Dark	;	55.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	110;	0;	42686
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21;	2773.8;	30-APR-2010	05:33:41;	Bright;		36.0;	39;	85Eta UMa	;	1.85;	24000;occ;	72;	0;	42687
22;	3219.1;	30-APR-2010	05:41:07;	Bright;		44.0;	119;	14Eta Dra	;	2.73;	4700;occ;	88;	0;	42687
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3;	1398.6;	30-APR-2010	20:16:10;	Dark	;	58.0;	80;	7Del Sco	;	2.32;	30000;occ;	116;	0;	42696
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7;	2458.4;	30-APR-2010	20:33:50;	Bright;		47.5;	83;		;	2.38;	11000;occ;	95;	0;	42696
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10; 3214.0; 30-APR-2010 19:05:49; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42695
11; 3830.0; 30-APR-2010 19:16:05; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42695
12; 4142.0; 30-APR-2010 19:21:17; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;42695
13; 4507.4; 30-APR-2010 19:27:23; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;42695
14; 4772.1; 30-APR-2010 19:31:47; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42695
15; 5027.3; 30-APR-2010 19:36:03; Dark ; 67.5; 61; 8Eps Peg ; 2.10; 3900;occ; 135; 0;42695
16; 5173.7; 30-APR-2010 19:38:29; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42695
17; 5394.5; 30-APR-2010 19:42:10; Dark ; 58.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 116; 0;42695
18; 5551.9; 30-APR-2010 19:44:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42695
19; 5793.2; 30-APR-2010 19:48:48; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42695
20; 6668.9; 30-APR-2010 20:03:24; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42696
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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