

GOMOS Daily Report 30-NOV-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	14DEC2010 14:44:37
Data source version	GOMOS/5.01
Start time of products	30NOV2010 00:05:50
Stop time of products	30NOV2010 23:58:37
Store outputs in DB	No
Nb of level 1b prods	117
Nb of prods with errors	2

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

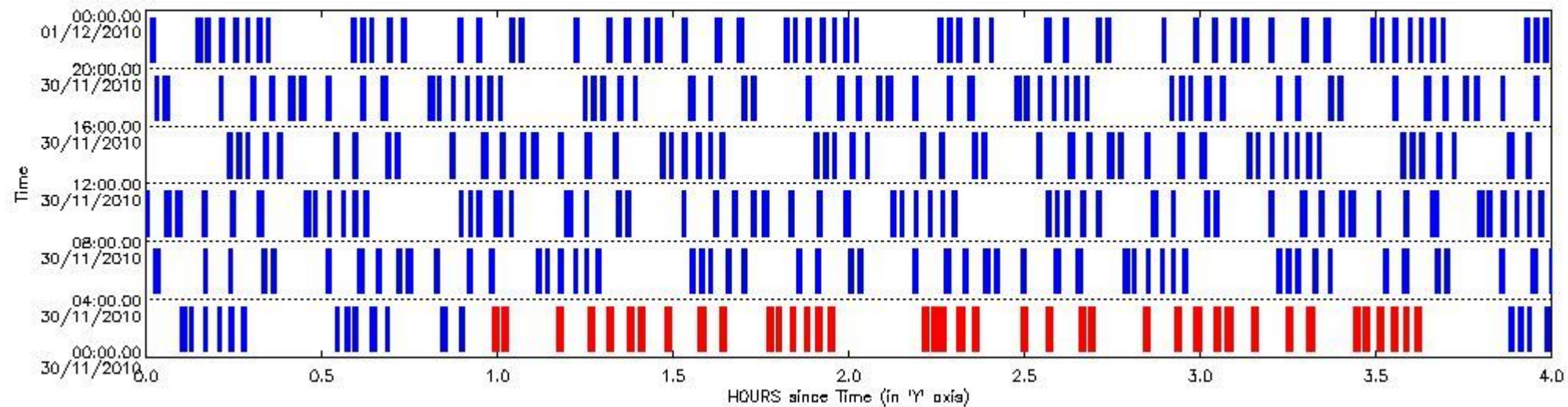
2.1 Level 0 products arrived in PCF (see template [here](#))

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
30-NOV-2010 00:59:05	4GamCrv	100	45749
30-NOV-2010 01:00:40	2EpsCrv	171	45749
30-NOV-2010 01:10:07	MuVel	113	45750
30-NOV-2010 01:15:30	DSA1030	0	45750
30-NOV-2010 01:18:40	Gam2Vel	34	45750
30-NOV-2010 01:22:07	AlpCar	2	45750
30-NOV-2010 01:23:53	PiPup	117	45750
30-NOV-2010 01:28:33	AlpCol	108	45750
30-NOV-2010 01:34:18	11AlpLep	101	45750
30-NOV-2010 01:37:57	19BetOri	7	45750
30-NOV-2010 01:46:00	87AlpTau	13	45750
30-NOV-2010 01:47:34	25EtaTau	146	45750
30-NOV-2010 01:49:56	44ZetPer	150	45750
30-NOV-2010 01:52:22	45EpsPer	149	45750
30-NOV-2010 01:54:22	39DelPer	175	45750

30-NOV-2010 01:56:18	13AlpAur	6	45750
30-NOV-2010 02:12:23	50AlpUMa	36	45750
30-NOV-2010 02:13:59	48BetUMa	82	45750
30-NOV-2010 02:15:32	77EpsUMa	32	45750
30-NOV-2010 02:18:25	52PsiUMa	174	45750
30-NOV-2010 02:21:02	12Alp2CVn	152	45750
30-NOV-2010 02:29:28	47EpsVir	138	45750
30-NOV-2010 02:33:44	29GamVir	121	45750
30-NOV-2010 02:39:20	4GamCrv	100	45750
30-NOV-2010 02:40:55	2EpsCrv	171	45750
30-NOV-2010 02:50:22	MuVel	113	45751
30-NOV-2010 02:55:45	DSA1030	0	45751
30-NOV-2010 02:58:55	Gam2Vel	34	45751
30-NOV-2010 03:02:22	AlpCar	2	45751
30-NOV-2010 03:04:07	PiPup	117	45751
30-NOV-2010 03:08:47	AlpCol	108	45751
30-NOV-2010 03:14:32	11AlpLep	101	45751
30-NOV-2010 03:18:11	19BetOri	7	45751
30-NOV-2010 03:26:14	87AlpTau	13	45751
30-NOV-2010 03:27:48	25EtaTau	146	45751
30-NOV-2010 03:30:10	44ZetPer	150	45751
30-NOV-2010 03:32:36	45EpsPer	149	45751
30-NOV-2010 03:34:36	39DelPer	175	45751
30-NOV-2010 03:36:31	13AlpAur	6	45751

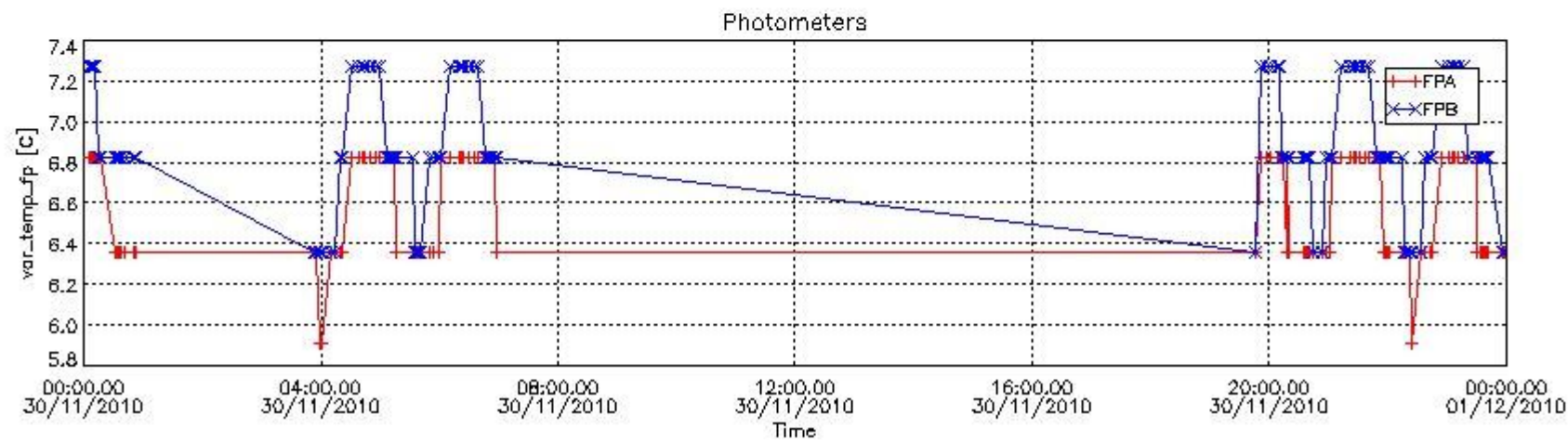
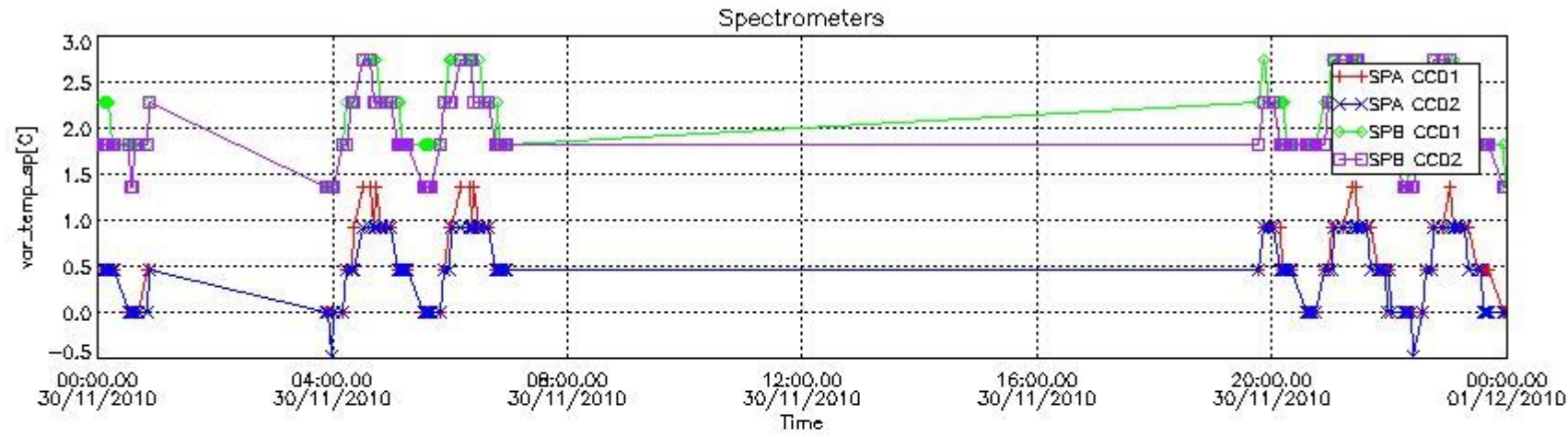
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101130_000550_000000643097_00045_45749_1923.N1	30-NOV-2010 00:05:50	Bright	64.000	13	87Alp Tau	0.86700	3800.0	128	45749	No
2	GOM_TRA_1PNPDE20101130_000724_000000403097_00045_45749_1924.N1	30-NOV-2010 00:07:24	Bright	39.500	146	25Eta Tau	2.8730	15200.	79	45749	No
3	GOM_TRA_1PNPDE20101130_000946_000000403097_00045_45749_1925.N1	30-NOV-2010 00:09:46	Bright	39.500	150	44Zet Per	2.8900	28000.	79	45749	No
4	GOM_TRA_1PNPDE20101130_001212_000000383097_00045_45749_1926.N1	30-NOV-2010 00:12:12	Bright	38.000	149	45Eps Per	2.8880	30000.	76	45749	No
5	GOM_TRA_1PNPDE20101130_001412_000000373097_00045_45749_1927.N1	30-NOV-2010 00:14:12	Bright	37.000	175	39Del Per	3.0100	19400.	74	45749	No
6	GOM_TRA_1PNPDE20101130_001608_000000473097_00045_45749_1928.N1	30-NOV-2010 00:16:08	Bright	47.000	6	13Alp Aur	0.080000	3400.0	94	45749	No
7	GOM_TRA_1PNPDE20101130_003213_000000453097_00045_45749_1929.N1	30-NOV-2010 00:32:13	Bright	44.500	36	50Alp UMa	1.8000	6300.0	89	45749	No
8	GOM_TRA_1PNPDE20101130_003349_000000473097_00045_45749_1930.N1	30-NOV-2010 00:33:49	Bright	46.500	82	48Bet UMa	2.3650	10600.	93	45749	No
9	GOM_TRA_1PNPDE20101130_003522_000000413097_00045_45749_1931.N1	30-NOV-2010 00:35:22	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	45749	No
10	GOM_TRA_1PNPDE20101130_003815_000000543097_00045_45749_1932.N1	30-NOV-2010 00:38:15	Bright	53.500	174	52Psi UMa	3.0040	4400.0	107	45749	No
11	GOM_TRA_1PNPDE20101130_004052_000000403097_00045_45749_1933.N1	30-NOV-2010 00:40:52	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	45749	No
12	GOM_TRA_1PNPDE20101130_005013_000000653097_00045_45749_1934.N1	30-NOV-2010 00:50:13	Bright	64.500	62	94Bet Leo	2.1360	9700.0	129	45749	No
13	GOM_TRA_1PNPDE20101130_005333_000000413097_00045_45749_1935.N1	30-NOV-2010 00:53:33	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	45749	No
14	GOM_TRA_1PNPDE20101130_035240_000000443097_00047_45751_1605.N1	30-NOV-2010 03:52:40	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	45751	No
15	GOM_TRA_1PNPDE20101130_035416_000000483097_00047_45751_1606.N1	30-NOV-2010 03:54:16	Bright	47.500	82	48Bet UMa	2.3650	10600.	95	45751	No
16	GOM_TRA_1PNPDE20101130_035550_000000403097_00047_45751_1607.N1	30-NOV-2010 03:55:50	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	45751	No
17	GOM_TRA_1PNPDE20101130_035842_000000523097_00047_45751_1608.N1	30-NOV-2010 03:58:42	Bright	51.500	174	52Psi UMa	3.0040	4400.0	103	45751	No
18	GOM_TRA_1PNPDE20101130_040120_000000533097_00047_45751_1609.N1	30-NOV-2010 04:01:20	Bright	52.500	152	12Alp2CVn	2.8900	11000.	105	45751	No
19	GOM_TRA_1PNPDE20101130_040946_000000423097_00047_45751_1610.N1	30-NOV-2010 04:09:46	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	45751	No
20	GOM_TRA_1PNPDE20101130_041402_000000433097_00047_45751_1611.N1	30-NOV-2010 04:14:02	Bright	43.000	121	29Gam Vir	2.7400	7200.0	86	45751	No
21	GOM_TRA_1PNPDE20101130_041938_000000513097_00047_45751_1612.N1	30-NOV-2010 04:19:38	Twilight	50.500	100	4Gam Crv	2.5800	13100.	101	45751	No
22	GOM_TRA_1PNPDE20101130_042113_000000553097_00047_45751_1613.N1	30-NOV-2010 04:21:13	Dark	54.500	171	2Eps Crv	3.0010	4250.0	109	45751	No
23	GOM_TRA_1PNPDE20101130_043040_000000453097_00048_45752_1614.N1	30-NOV-2010 04:30:40	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	45752	No
24	GOM_TRA_1PNPDE20101130_043913_000000483097_00048_45752_1615.N1	30-NOV-2010 04:39:13	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	45752	No
25	GOM_TRA_1PNPDE20101130_044240_000000573097_00048_45752_1616.N1	30-NOV-2010 04:42:40	Dark	57.000	2	Alp Car	-0.73600	7000.0	114	45752	No
26	GOM_TRA_1PNPDE20101130_044426_000000613097_00048_45752_1617.N1	30-NOV-2010 04:44:26	Dark	61.000	117	Pi Pup	2.7060	3800.0	122	45752	No
27	GOM_TRA_1PNPDE20101130_044905_000000493097_00048_45752_1618.N1	30-NOV-2010 04:49:05	Dark	48.500	108	Alp Col	2.6520	15200.	97	45752	No
28	GOM_TRA_1PNPDE20101130_045450_000000553097_00048_45752_1619.N1	30-NOV-2010 04:54:50	Straylight	54.500	101	11Alp Lep	2.5820	7000.0	109	45752	No
29	GOM_TRA_1PNPDE20101130_045829_000000613097_00048_45752_1620.N1	30-NOV-2010 04:58:29	Straylight	61.000	7	19Bet Ori	0.10000	14000.	122	45752	No
30	GOM_TRA_1PNPDE20101130_050631_000000583097_00048_45752_1621.N1	30-NOV-2010 05:06:31	Bright	58.000	13	87Alp Tau	0.86700	3800.0	116	45752	No

31	GOM_TRA_1PNPDE20101130_050805_000000403097_00048_45752_1622.N1	30-NOV-2010 05:08:05	Bright	40.000	146	25Eta Tau	2.8730	15200.	80	45752	No
32	GOM_TRA_1PNPDE20101130_051027_000000393097_00048_45752_1623.N1	30-NOV-2010 05:10:27	Bright	39.000	150	44Zet Per	2.8900	28000.	78	45752	No
33	GOM_TRA_1PNPDE20101130_051253_000000393097_00048_45752_1624.N1	30-NOV-2010 05:12:53	Bright	38.500	149	45Eps Per	2.8880	30000.	77	45752	No
34	GOM_TRA_1PNPDE20101130_051453_000000373097_00048_45752_1625.N1	30-NOV-2010 05:14:53	Bright	37.000	175	39Del Per	3.0100	19400.	74	45752	No
35	GOM_TRA_1PNPDE20101130_051648_000000533097_00048_45752_1626.N1	30-NOV-2010 05:16:48	Bright	53.000	6	13Alp Aur	0.080000	3400.0	106	45752	No
36	GOM_TRA_1PNPDE20101130_053254_000000443097_00048_45752_1651.N1	30-NOV-2010 05:32:54	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	45752	No
37	GOM_TRA_1PNPDE20101130_053430_000000473097_00048_45752_1652.N1	30-NOV-2010 05:34:30	Bright	46.500	82	48Bet UMa	2.3650	10600.	93	45752	No
38	GOM_TRA_1PNPDE20101130_053604_000000403097_00048_45752_1653.N1	30-NOV-2010 05:36:04	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	45752	No
39	GOM_TRA_1PNPDE20101130_053856_000000503097_00048_45752_1654.N1	30-NOV-2010 05:38:56	Bright	50.000	174	52Psi UMa	3.0040	4400.0	100	45752	No
40	GOM_TRA_1PNPDE20101130_054134_000000583097_00048_45752_1655.N1	30-NOV-2010 05:41:34	Bright	58.000	152	12Alp2CVn	2.8900	11000.	116	45752	No
41	GOM_TRA_1PNPDE20101130_055057_000000573097_00048_45752_1656.N1	30-NOV-2010 05:50:57	Bright	57.000	62	94Bet Leo	2.1360	9700.0	114	45752	No
42	GOM_TRA_1PNPDE20101130_055417_000000453097_00048_45752_1657.N1	30-NOV-2010 05:54:17	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	45752	No
43	GOM_TRA_1PNPDE20101130_055953_000000493097_00048_45752_1658.N1	30-NOV-2010 05:59:53	Twilight	48.500	100	4Gam Crv	2.5800	13100.	97	45752	No
44	GOM_TRA_1PNPDE20101130_060128_000000493097_00048_45752_1659.N1	30-NOV-2010 06:01:28	Dark	49.000	171	2Eps Crv	3.0010	4250.0	98	45752	No
45	GOM_TRA_1PNPDE20101130_061055_000000463097_00049_45753_1660.N1	30-NOV-2010 06:10:55	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	45753	No
46	GOM_TRA_1PNPDE20101130_061928_000000503097_00049_45753_1661.N1	30-NOV-2010 06:19:28	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	45753	No
47	GOM_TRA_1PNPDE20101130_062255_000000593097_00049_45753_1662.N1	30-NOV-2010 06:22:55	Dark	59.000	2	Alp Car	-0.73600	7000.0	118	45753	No
48	GOM_TRA_1PNPDE20101130_062441_000000623097_00049_45753_1663.N1	30-NOV-2010 06:24:41	Dark	61.500	117	Pi Pup	2.7060	3800.0	123	45753	No
49	GOM_TRA_1PNPDE20101130_062920_000000483097_00049_45753_1664.N1	30-NOV-2010 06:29:20	Dark	47.500	108	Alp Col	2.6520	15200.	95	45753	No
50	GOM_TRA_1PNPDE20101130_063504_000000553097_00049_45753_1665.N1	30-NOV-2010 06:35:04	Straylight	54.500	101	11Alp Lep	2.5820	7000.0	109	45753	No
51	GOM_TRA_1PNPDE20101130_063843_000000633097_00049_45753_1666.N1	30-NOV-2010 06:38:43	Straylight	62.500	7	19Bet Ori	0.10000	14000.	125	45753	No
52	GOM_TRA_1PNPDE20101130_064645_000000633097_00049_45753_1667.N1	30-NOV-2010 06:46:45	Bright	63.000	13	87Alp Tau	0.86700	3800.0	126	45753	No
53	GOM_TRA_1PNPDE20101130_064819_000000403097_00049_45753_1668.N1	30-NOV-2010 06:48:19	Bright	40.000	146	25Eta Tau	2.8730	15200.	80	45753	No
54	GOM_TRA_1PNPDE20101130_065041_000000383097_00049_45753_1669.N1	30-NOV-2010 06:50:41	Bright	38.000	150	44Zet Per	2.8900	28000.	76	45753	No
55	GOM_TRA_1PNPDE20101130_065307_000000393097_00049_45753_1670.N1	30-NOV-2010 06:53:07	Bright	38.500	149	45Eps Per	2.8880	30000.	77	45753	No
56	GOM_TRA_1PNPDE20101130_065507_000000373097_00049_45753_1671.N1	30-NOV-2010 06:55:07	Bright	37.000	175	39Del Per	3.0100	19400.	74	45753	No
57	GOM_TRA_1PNPDE20101130_065702_000000483097_00049_45753_1672.N1	30-NOV-2010 06:57:02	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	45753	No
58	GOM_TRA_1PNPDE20101130_194640_000000613097_00057_45761_2070.N1	30-NOV-2010 19:46:40	Dark	61.000	117	Pi Pup	2.7060	3800.0	122	45761	Yes
59	GOM_TRA_1PNPDE20101130_195115_000000453097_00057_45761_2071.N1	30-NOV-2010 19:51:15	Dark	45.000	108	Alp Col	2.6520	15200.	90	45761	No
60	GOM_TRA_1PNPDE20101130_195658_000000553097_00057_45761_2072.N1	30-NOV-2010 19:56:58	Straylight	54.500	101	11Alp Lep	2.5820	7000.0	109	45761	No
61	GOM_TRA_1PNPDE20101130_200034_000000613097_00057_45761_2073.N1	30-NOV-2010 20:00:34	Straylight	61.000	7	19Bet Ori	0.10000	14000.	122	45761	No
62	GOM_TRA_1PNPDE20101130_200834_000000603097_00057_45761_2074.N1	30-NOV-2010 20:08:34	Bright	60.000	13	87Alp Tau	0.86700	3800.0	120	45761	No
63	GOM_TRA_1PNPDE20101130_201010_000000393097_00057_45761_2075.N1	30-NOV-2010 20:10:10	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	45761	No
64	GOM_TRA_1PNPDE20101130_201232_000000383097_00057_45761_2076.N1	30-NOV-2010 20:12:32	Bright	37.500	150	44Zet Per	2.8900	28000.	75	45761	No
65	GOM_TRA_1PNPDE20101130_201457_000000383097_00057_45761_2077.N1	30-NOV-2010 20:14:57	Bright	37.500	149	45Eps Per	2.8880	30000.	75	45761	No
66	GOM_TRA_1PNPDE20101130_201658_000000373097_00057_45761_2078.N1	30-NOV-2010 20:16:58	Bright	37.000	175	39Del Per	3.0100	19400.	74	45761	No
67	GOM_TRA_1PNPDE20101130_201848_000000513097_00057_45761_2079.N1	30-NOV-2010 20:18:48	Bright	50.500	6	13Alp Aur	0.080000	3400.0	101	45761	No
68	GOM_TRA_1PNPDE20101130_202038_000000333097_00057_45761_2080.N1	30-NOV-2010 20:20:38	Tw_and_stray	33.000	42	34Bet Aur	1.9000	10200.	66	45761	No
69	GOM_TRA_1PNPDE20101130_203457_000000453097_00057_45761_2081.N1	30-NOV-2010 20:34:57	Bright	45.000	36	50Alp UMa	1.8000	6300.0	90	45761	No
70	GOM_TRA_1PNPDE20101130_203633_000000463097_00057_45761_2082.N1	30-NOV-2010 20:36:33	Bright	46.000	82	48Bet UMa	2.3650	10600.	92	45761	No
71	GOM_TRA_1PNPDE20101130_203809_000000373097_00057_45761_2083.N1	30-NOV-2010 20:38:09	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	45761	No
72	GOM_TRA_1PNPDE20101130_204100_000000523097_00057_45761_2084.N1	30-NOV-2010 20:41:00	Bright	52.000	174	52Psi UMa	3.0040	4400.0	104	45761	No
73	GOM_TRA_1PNPDE20101130_204341_000000443097_00057_45761_2085.N1	30-NOV-2010 20:43:41	Bright	44.000	152	12Alp2CVn	2.8900	11000.	88	45761	No
74	GOM_TRA_1PNPDE20101130_205309_000000563097_00057_45761_2116.N1	30-NOV-2010 20:53:09	Bright	56.000	62	94Bet Leo	2.1360	9700.0	112	45761	Yes
75	GOM_TRA_1PNPDE20101130_205628_000000443097_00057_45761_2117.N1	30-NOV-2010 20:56:28	Bright	43.500	121	29Gam Vir	2.7400	7200.0	87	45761	No
76	GOM_TRA_1PNPDE20101130_210206_000000473097_00057_45761_2118.N1	30-NOV-2010 21:02:06	Twilight	46.500	100	4Gam Crv	2.5800	13100.	93	45761	No
77	GOM_TRA_1PNPDE20101130_210341_000000503097_00057_45761_2119.N1	30-NOV-2010 21:03:41	Dark	49.500	171	2Eps Crv	3.0010	4250.0	99	45761	No
78	GOM_TRA_1PNPDE20101130_211308_000000443097_00058_45762_2120.N1	30-NOV-2010 21:13:08	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	45762	No
79	GOM_TRA_1PNPDE20101130_212143_000000503097_00058_45762_2121.N1	30-NOV-2010 21:21:43	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	45762	No
80	GOM_TRA_1PNPDE20101130_212506_000000513097_00058_45762_2122.N1	30-NOV-2010 21:25:06	Dark	50.500	2	Alp Car	-0.73600	7000.0	101	45762	No
81	GOM_TRA_1PNPDE20101130_212655_000000613097_00058_45762_2123.N1	30-NOV-2010 21:26:55	Dark	60.500	117	Pi Pup	2.7060	3800.0	121	45762	No
82	GOM_TRA_1PNPDE20101130_213130_000000473097_00058_45762_2124.N1	30-NOV-2010 21:31:30	Dark	47.000	108	Alp Col	2.6520	15200.	94	45762	No
83	GOM_TRA_1PNPDE20101130_213712_000000563097_00058_45762_2125.N1	30-NOV-2010 21:37:12	Straylight	55.500	101	11Alp Lep	2.5820	7000.0	111	45762	No
84	GOM_TRA_1PNPDE20101130_214048_000000693097_00058_45762_2126.N1	30-NOV-2010 21:40:48	Straylight	69.000	7	19Bet Ori	0.10000	14000.	138	45762	No
85	GOM_TRA_1PNPDE20101130_214848_000000543097_00058_45762_2127.N1	30-NOV-2010 21:48:48	Bright	53.500	13	87Alp Tau	0.86700	3800.0	107	45762	No
86	GOM_TRA_1PNPDE20101130_215024_000000393097_00058_45762_2128.N1	30-NOV-2010 21:50:24	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	45762	No
87	GOM_TRA_1PNPDE20101130_215245_000000393097_00058_45762_2129.N1	30-NOV-2010 21:52:45	Bright	38.500	150	44Zet Per	2.8900	28000.	77	45762	No
88	GOM_TRA_1PNPDE20101130_215511_000000383097_00058_45762_2130.N1	30-NOV-2010 21:55:11	Bright	38.000	149	45Eps Per	2.8880	30000.	76	45762	No
89	GOM_TRA_1PNPDE20101130_215712_000000363097_00058_45762_2131.N1	30-NOV-2010 21:57:12	Bright	36.000	175	39Del Per	3.0100	19400.	72	45762	No

90	GOM_TRA_1PNPDE20101130_215902_000000513097_00058_45762_2132.N1	30-NOV-2010 21:59:02	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	45762	No
91	GOM_TRA_1PNPDE20101130_220051_000000383097_00058_45762_2133.N1	30-NOV-2010 22:00:51	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	45762	No
92	GOM_TRA_1PNPDE20101130_221511_000000413097_00058_45762_2134.N1	30-NOV-2010 22:15:11	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	45762	No
93	GOM_TRA_1PNPDE20101130_221646_000000453097_00058_45762_2135.N1	30-NOV-2010 22:16:46	Bright	44.500	82	48Bet UMa	2.3650	10600.	89	45762	No
94	GOM_TRA_1PNPDE20101130_221823_000000413097_00058_45762_2136.N1	30-NOV-2010 22:18:23	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	45762	No
95	GOM_TRA_1PNPDE20101130_222114_000000523097_00058_45762_2137.N1	30-NOV-2010 22:21:14	Bright	51.500	174	52Psi UMa	3.0040	4400.0	103	45762	No
96	GOM_TRA_1PNPDE20101130_222355_000000383097_00058_45762_2138.N1	30-NOV-2010 22:23:55	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	45762	No
97	GOM_TRA_1PNPDE20101130_223324_000000583097_00058_45762_2139.N1	30-NOV-2010 22:33:24	Bright	57.500	62	94Bet Leo	2.1360	9700.0	115	45762	No
98	GOM_TRA_1PNPDE20101130_223643_000000433097_00058_45762_2140.N1	30-NOV-2010 22:36:43	Bright	42.500	121	29Gam Vir	2.7400	7200.0	85	45762	No
99	GOM_TRA_1PNPDE20101130_224221_000000453097_00058_45762_2163.N1	30-NOV-2010 22:42:21	Twilight	44.500	100	4Gam Crv	2.5800	13100.	89	45762	No
100	GOM_TRA_1PNPDE20101130_224356_000000513097_00058_45762_2164.N1	30-NOV-2010 22:43:56	Dark	50.500	171	2Eps Crv	3.0010	4250.0	101	45762	No
101	GOM_TRA_1PNPDE20101130_225323_000000433097_00059_45763_2165.N1	30-NOV-2010 22:53:23	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	45763	No
102	GOM_TRA_1PNPDE20101130_230157_000000503097_00059_45763_2166.N1	30-NOV-2010 23:01:57	Dark	50.000	34	Gam2Vel	1.7930	23000.	100	45763	No
103	GOM_TRA_1PNPDE20101130_230520_000000423097_00059_45763_2167.N1	30-NOV-2010 23:05:20	Dark	42.000	2	Alp Car	-0.73600	7000.0	84	45763	No
104	GOM_TRA_1PNPDE20101130_230709_000000623097_00059_45763_2168.N1	30-NOV-2010 23:07:09	Dark	62.000	117	Pi Pup	2.7060	3800.0	124	45763	No
105	GOM_TRA_1PNPDE20101130_231144_000000473097_00059_45763_2169.N1	30-NOV-2010 23:11:44	Dark	47.000	108	Alp Col	2.6520	15200.	94	45763	No
106	GOM_TRA_1PNPDE20101130_231726_000000543097_00059_45763_2170.N1	30-NOV-2010 23:17:26	Straylight	53.500	101	11Alp Lep	2.5820	7000.0	107	45763	No
107	GOM_TRA_1PNPDE20101130_232102_000000693097_00059_45763_2171.N1	30-NOV-2010 23:21:02	Straylight	69.000	7	19Bet Ori	0.10000	14000.	138	45763	No
108	GOM_TRA_1PNPDE20101130_232901_000000553097_00059_45763_2172.N1	30-NOV-2010 23:29:01	Bright	54.500	13	87Alp Tau	0.86700	3800.0	109	45763	No
109	GOM_TRA_1PNPDE20101130_233038_000000383097_00059_45763_2173.N1	30-NOV-2010 23:30:38	Bright	38.000	146	25Eta Tau	2.8730	15200.	76	45763	No
110	GOM_TRA_1PNPDE20101130_233259_000000383097_00059_45763_2174.N1	30-NOV-2010 23:32:59	Bright	38.000	150	44Zet Per	2.8900	28000.	76	45763	No
111	GOM_TRA_1PNPDE20101130_233525_000000383097_00059_45763_2175.N1	30-NOV-2010 23:35:25	Bright	37.500	149	45Eps Per	2.8880	30000.	75	45763	No
112	GOM_TRA_1PNPDE20101130_233726_000000363097_00059_45763_2176.N1	30-NOV-2010 23:37:26	Bright	36.000	175	39Del Per	3.0100	19400.	72	45763	No
113	GOM_TRA_1PNPDE20101130_233915_000000483097_00059_45763_2177.N1	30-NOV-2010 23:39:15	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	45763	No
114	GOM_TRA_1PNPDE20101130_234104_000000383097_00059_45763_2178.N1	30-NOV-2010 23:41:04	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	45763	No
115	GOM_TRA_1PNPDE20101130_235524_000000453097_00059_45763_2179.N1	30-NOV-2010 23:55:24	Bright	45.000	36	50Alp UMa	1.8000	6300.0	90	45763	No
116	GOM_TRA_1PNPDE20101130_235700_000000483097_00059_45763_2180.N1	30-NOV-2010 23:57:00	Bright	47.500	82	48Bet UMa	2.3650	10600.	95	45763	No
117	GOM_TRA_1PNPDE20101130_235837_000000393097_00059_45763_2181.N1	30-NOV-2010 23:58:37	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	45763	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).

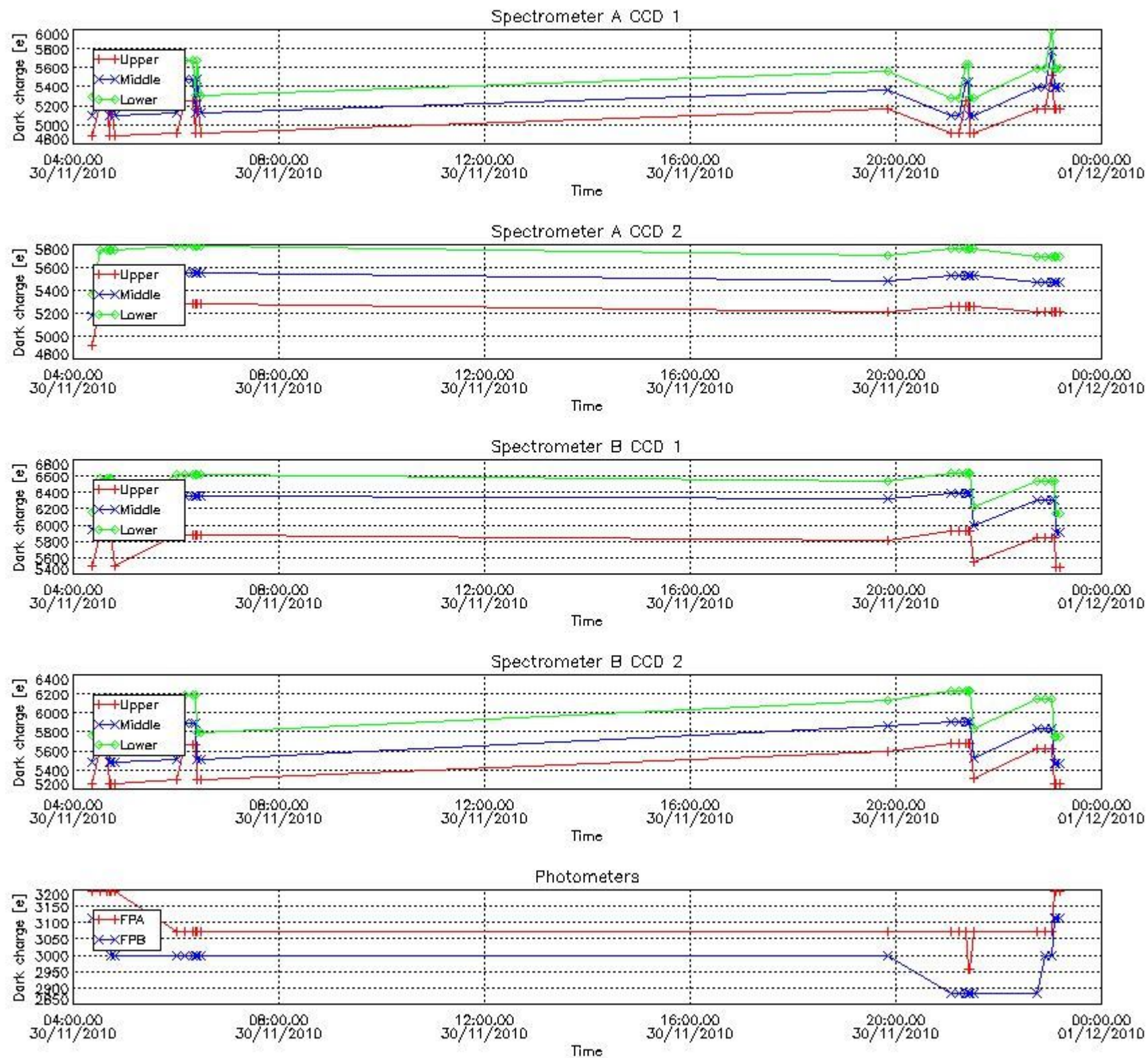
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101130_194640_000000613097_00057_45761_2070.N1	DC map with no T dep.
GOM_TRA_1PNPDE20101130_195115_000000453097_00057_45761_2071.N1	DC map used
GOM_TRA_1PNPDE20101130_195658_000000553097_00057_45761_2072.N1	DC map used
GOM_TRA_1PNPDE20101130_200034_000000613097_00057_45761_2073.N1	DC map used
GOM_TRA_1PNPDE20101130_200834_000000603097_00057_45761_2074.N1	DC map used
GOM_TRA_1PNPDE20101130_201010_000000393097_00057_45761_2075.N1	DC map used
GOM_TRA_1PNPDE20101130_201232_000000383097_00057_45761_2076.N1	DC map used
GOM_TRA_1PNPDE20101130_201457_000000383097_00057_45761_2077.N1	DC map used
GOM_TRA_1PNPDE20101130_201658_000000373097_00057_45761_2078.N1	DC map used
GOM_TRA_1PNPDE20101130_201848_000000513097_00057_45761_2079.N1	DC map used
GOM_TRA_1PNPDE20101130_202038_000000333097_00057_45761_2080.N1	DC map used
GOM_TRA_1PNPDE20101130_203457_000000453097_00057_45761_2081.N1	DC map used
GOM_TRA_1PNPDE20101130_203633_000000463097_00057_45761_2082.N1	DC map used
GOM_TRA_1PNPDE20101130_203809_000000373097_00057_45761_2083.N1	DC map used

GOM_TRA_1PNPDE20101130_204100_000000523097_00057_45761_2084.N1	DC map used
GOM_TRA_1PNPDE20101130_204341_000000443097_00057_45761_2085.N1	DC map used

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



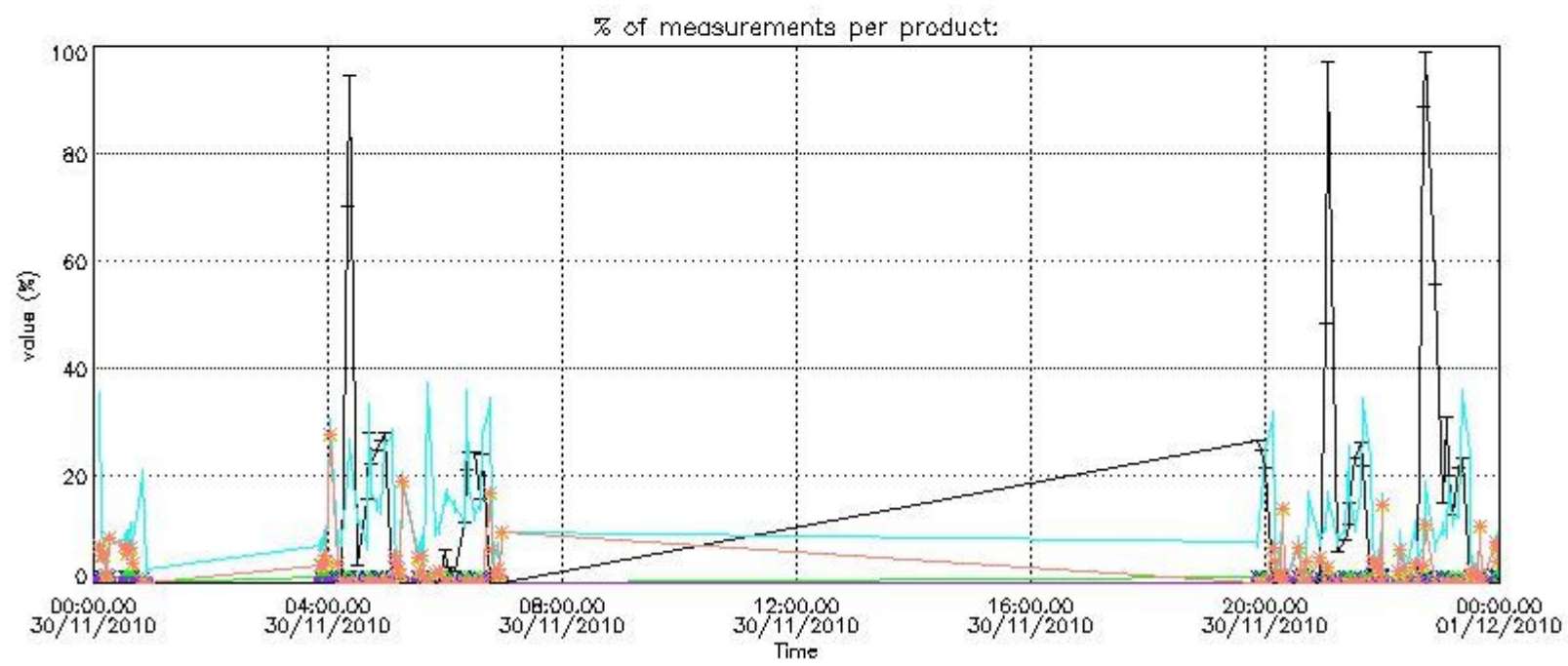
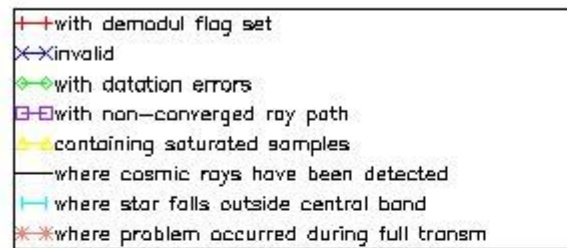
5. Demodulation flag and quality information monitoring

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.

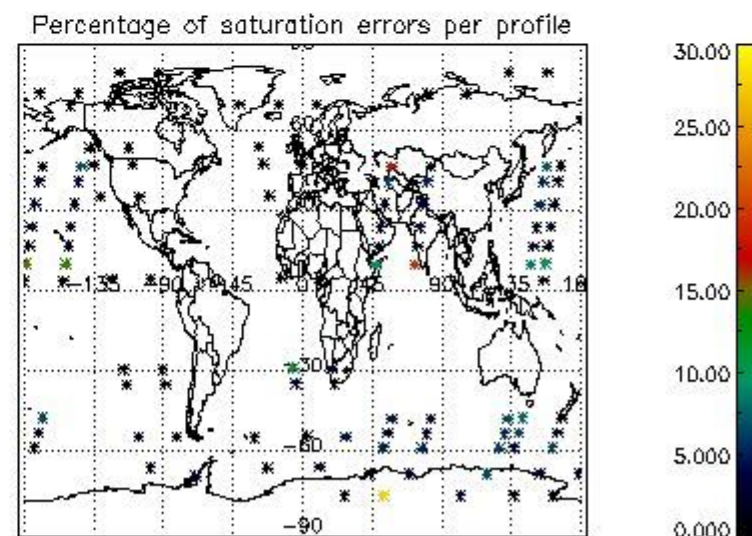
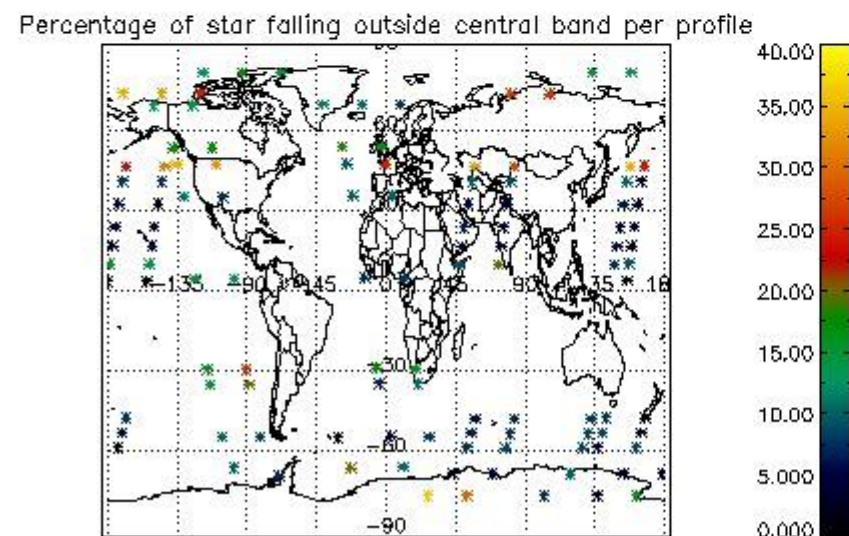
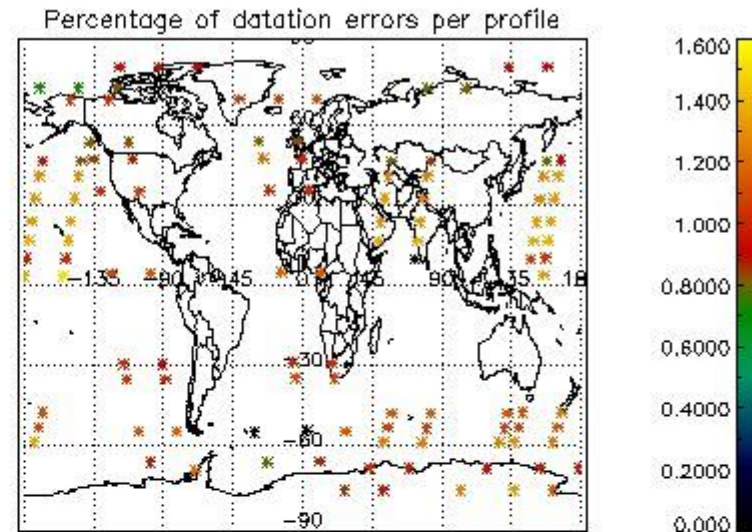
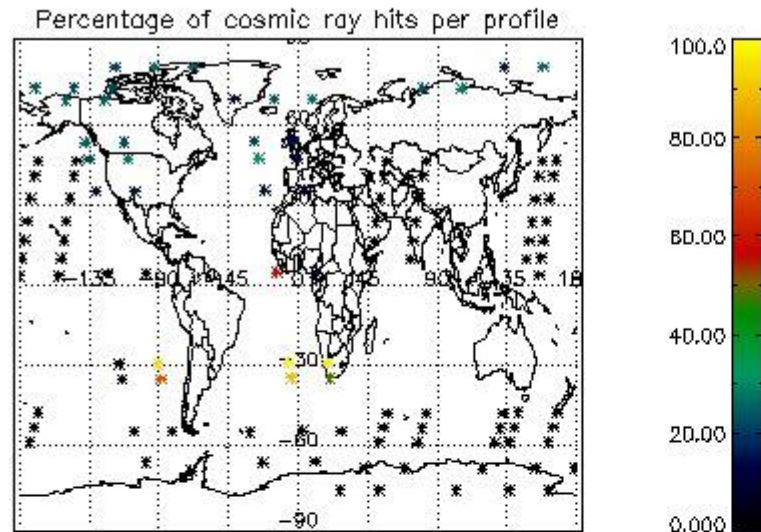
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	33.9130 %
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)



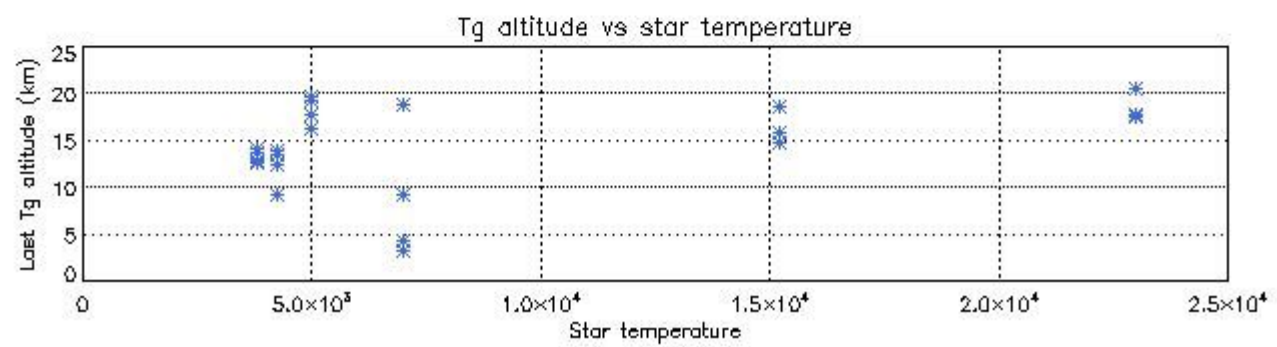
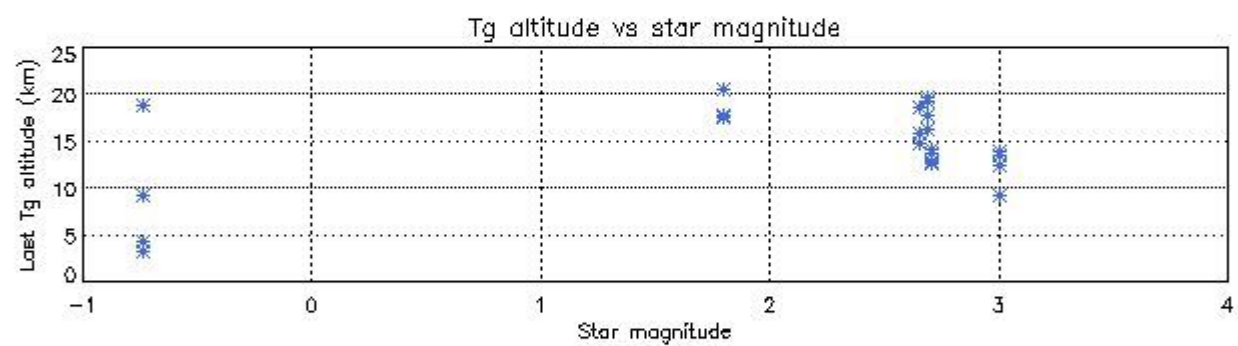
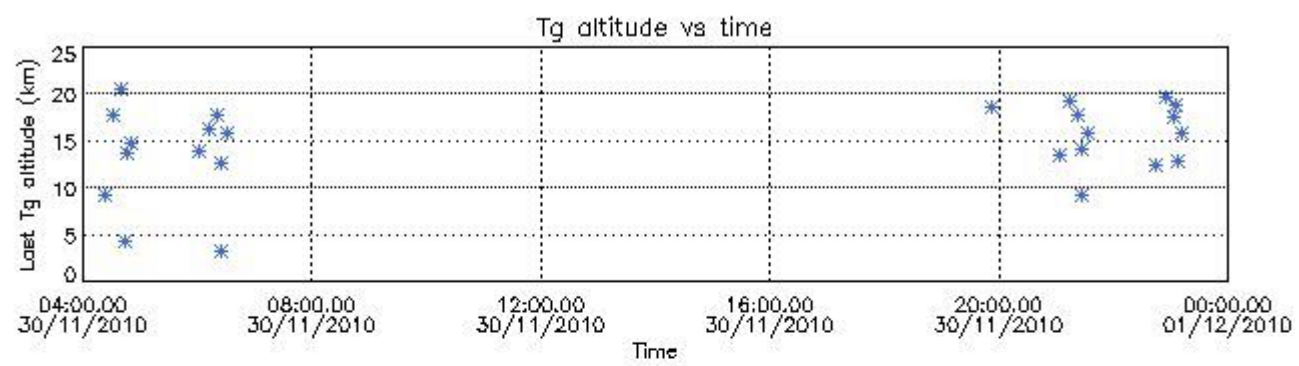
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.597	19.827	15.815
St. deviation:	4.4370	6.9712	3.2431
Maximum:	20.518	48.549	19.790
Minimum:	3.1296	4.5325	12.270
Number of data:	25.000	75.000	4.0000

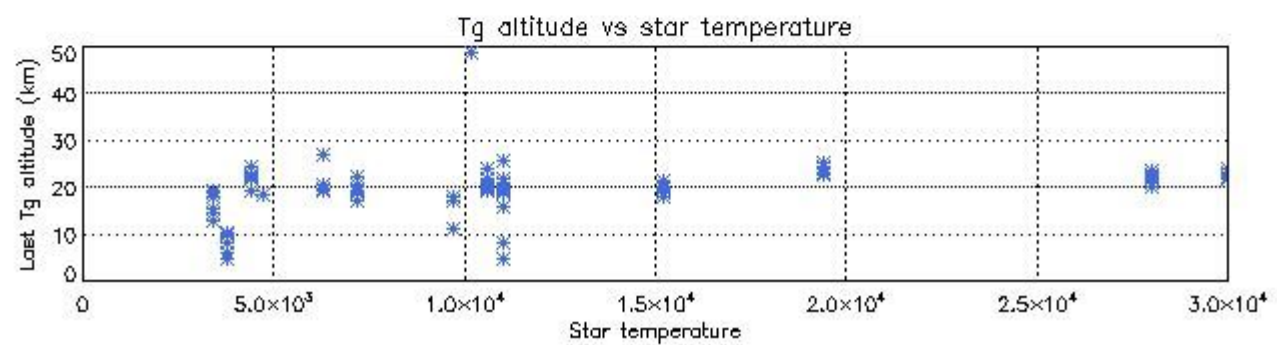
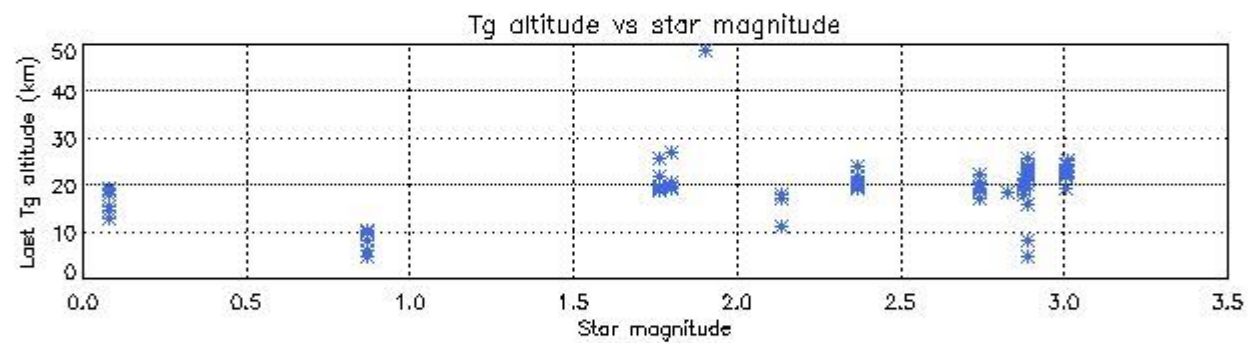
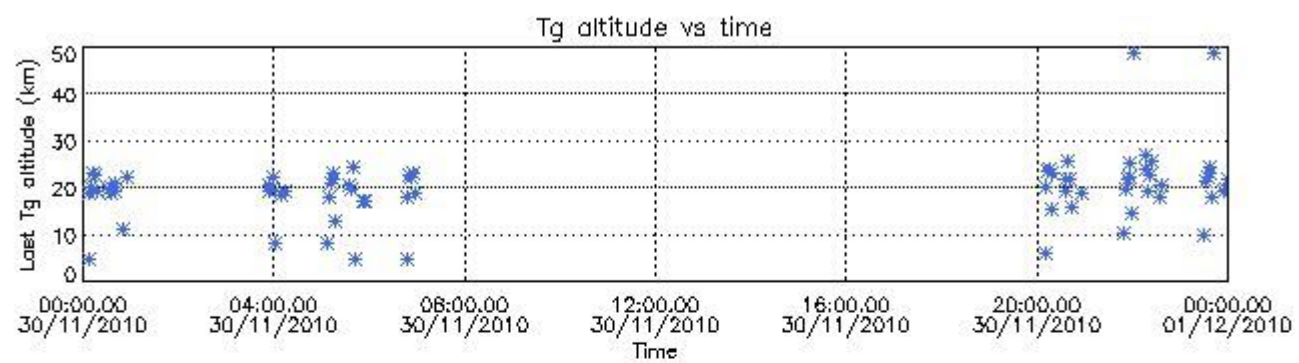
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



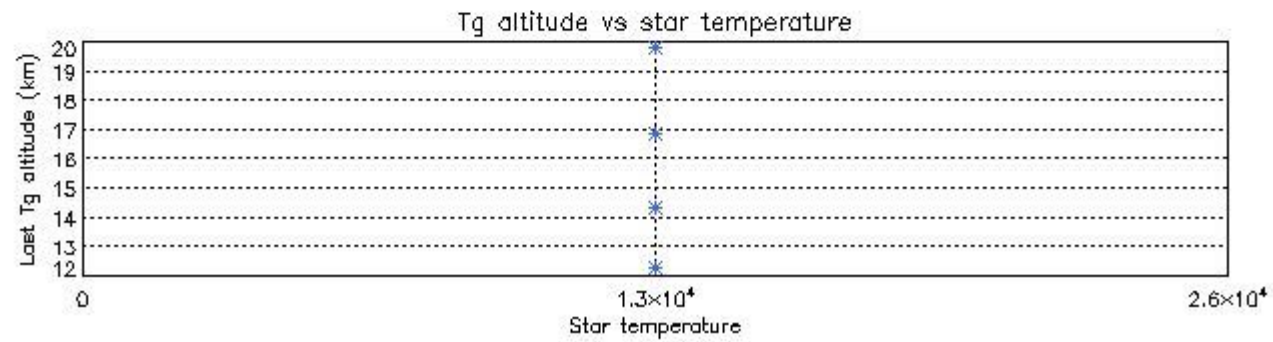
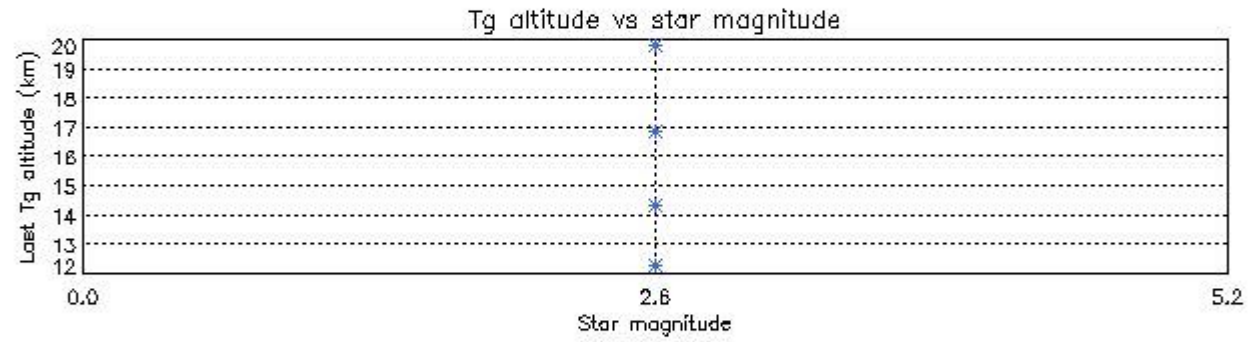
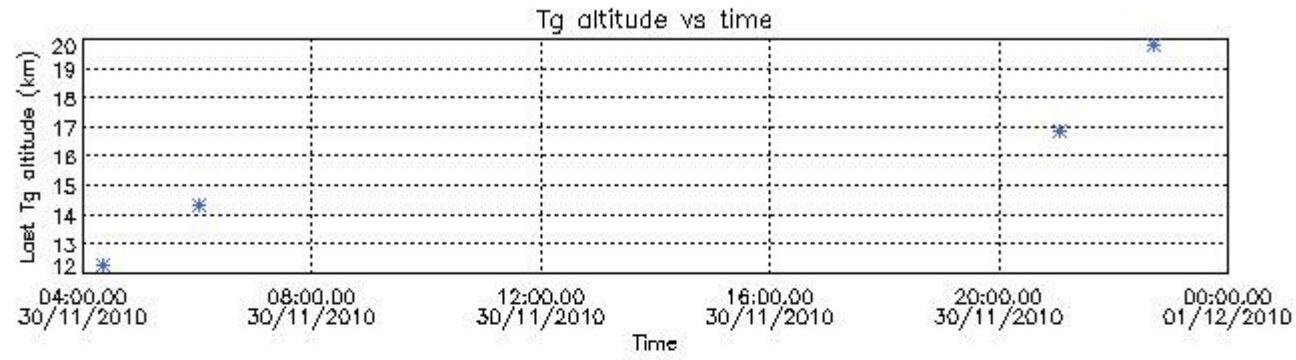
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

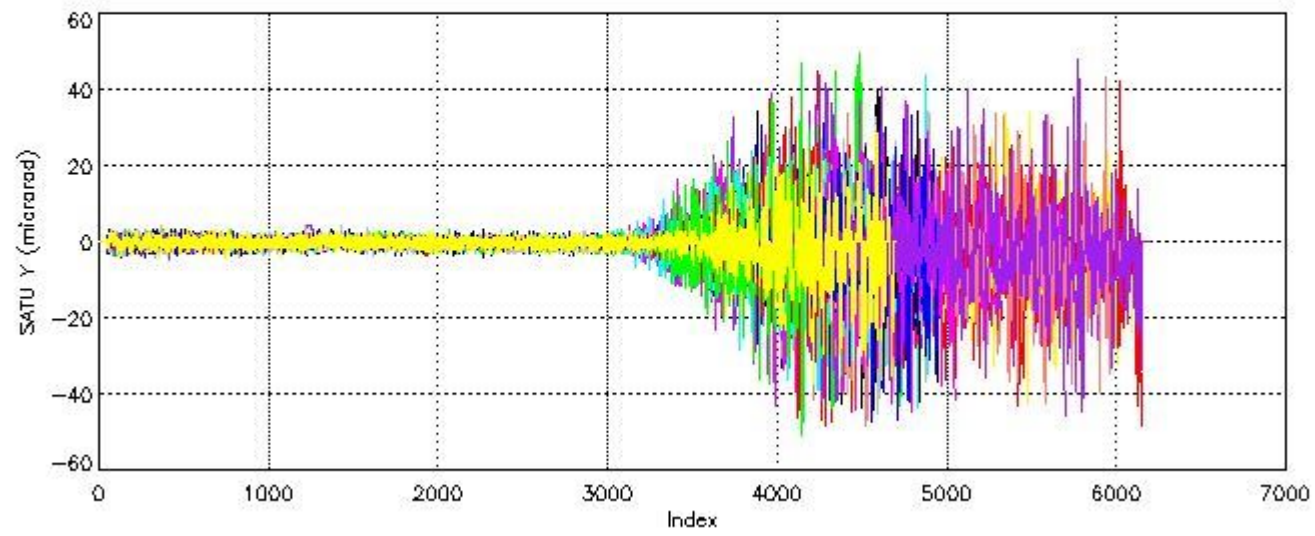
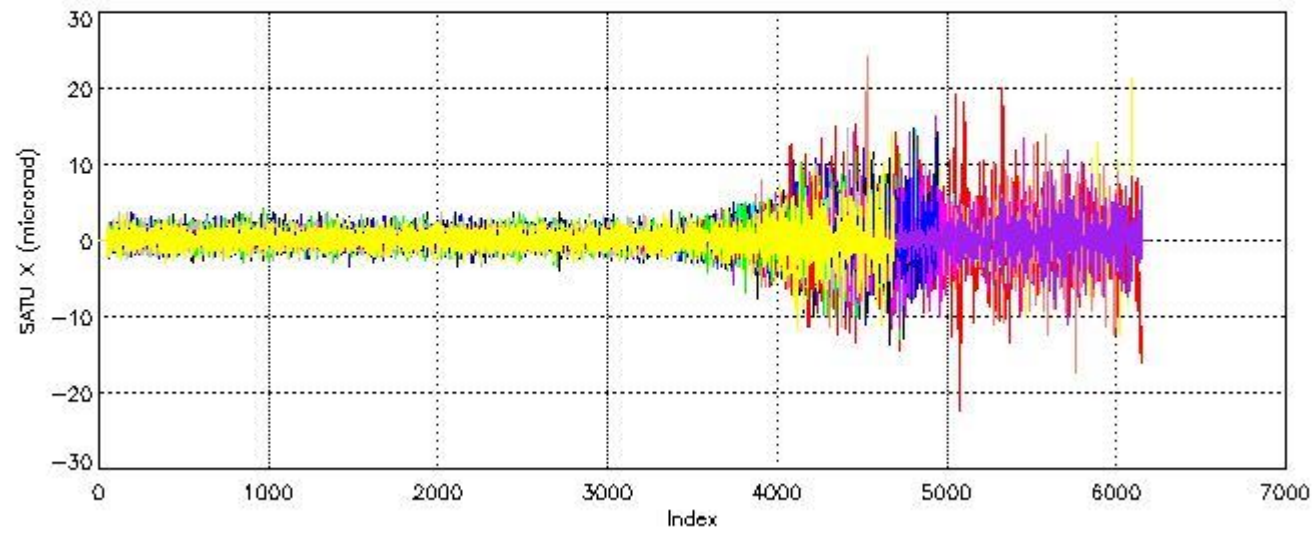


7. Star Acquisition and Tracking Unit (SATU)

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:	0.25229	-0.29059	0.17785	-0.30321
St. deviation:	0.54140	0.87033	0.93783	1.2021
Maximum:	4.1000	4.0000	7.0000	7.4000
Minimum:	-2.9000	-4.5000	-6.2000	-8.1000

Number of data:	28000.	28000.	76400.	76400.
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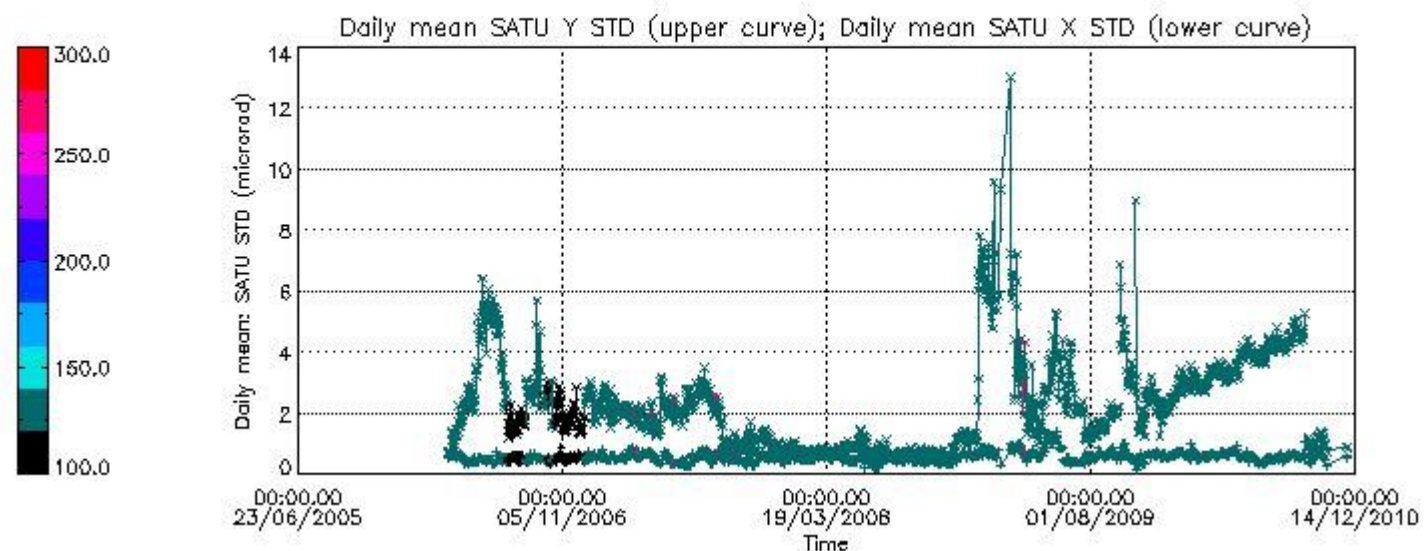
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

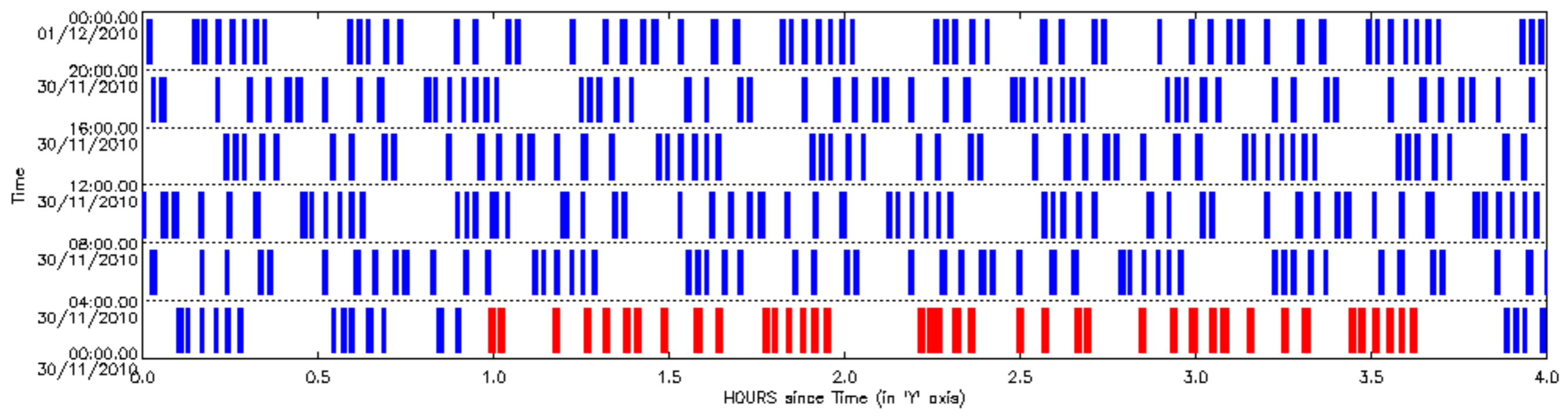
Lower curve: STD of SATU X axis

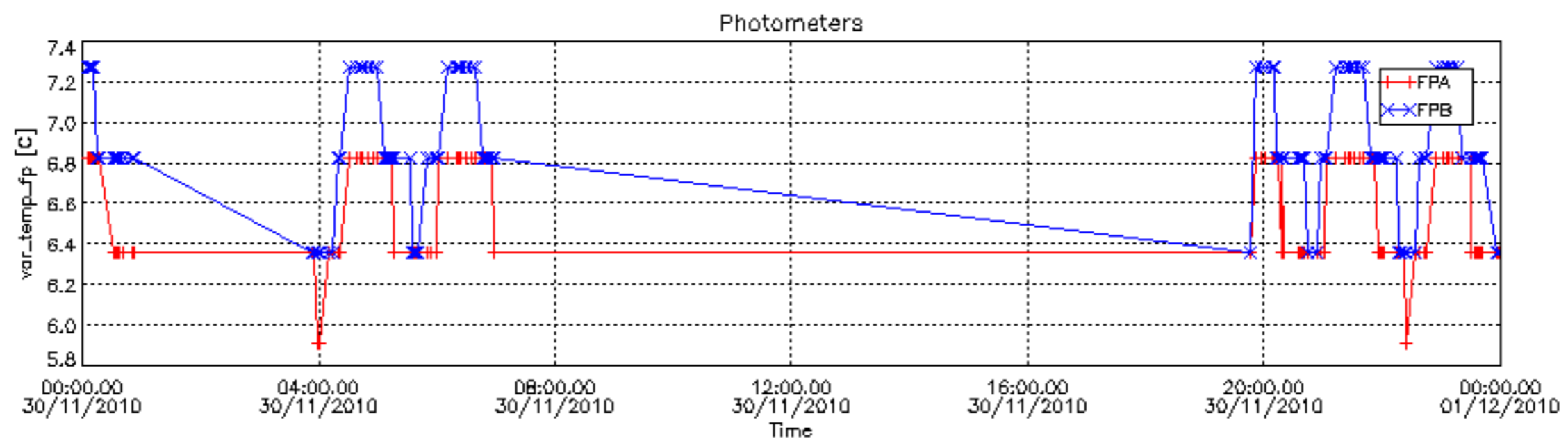
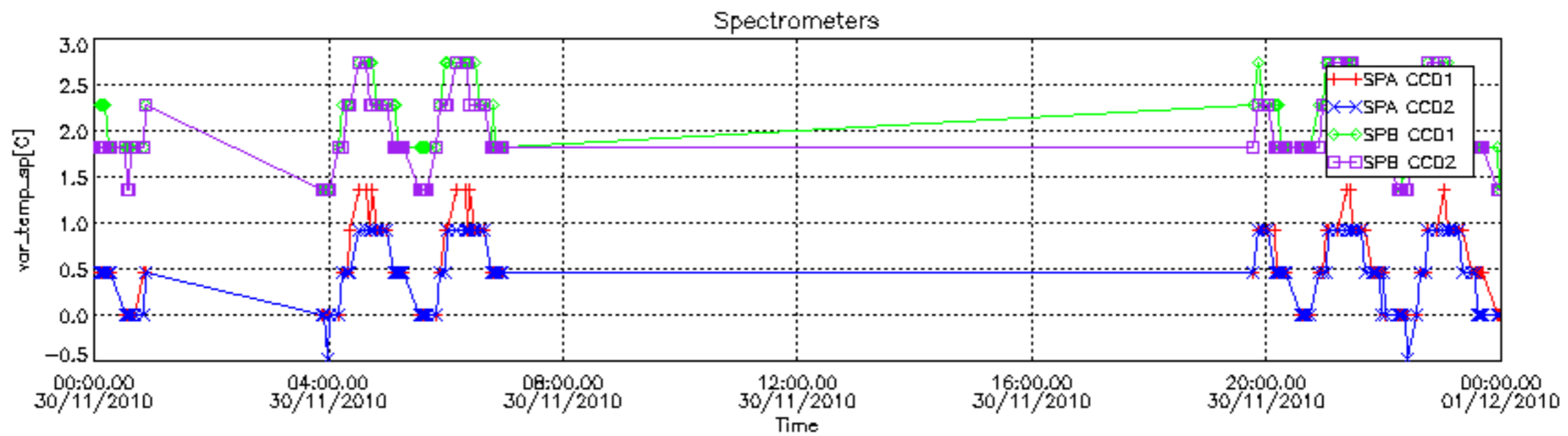


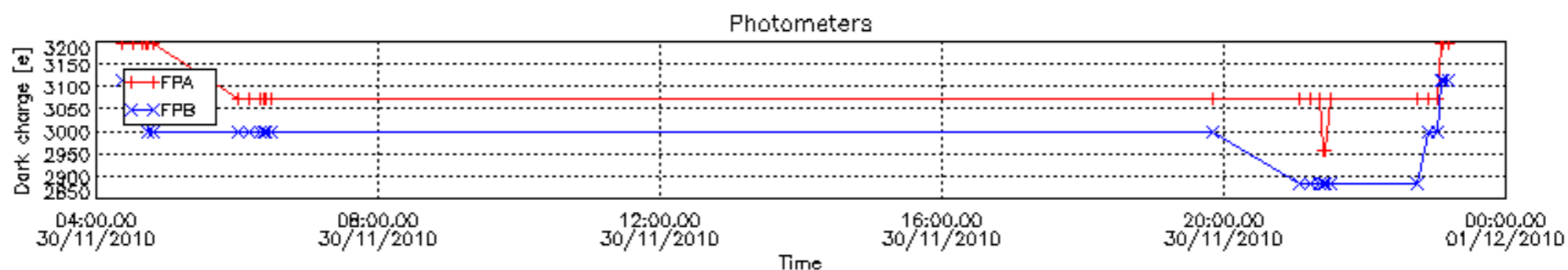
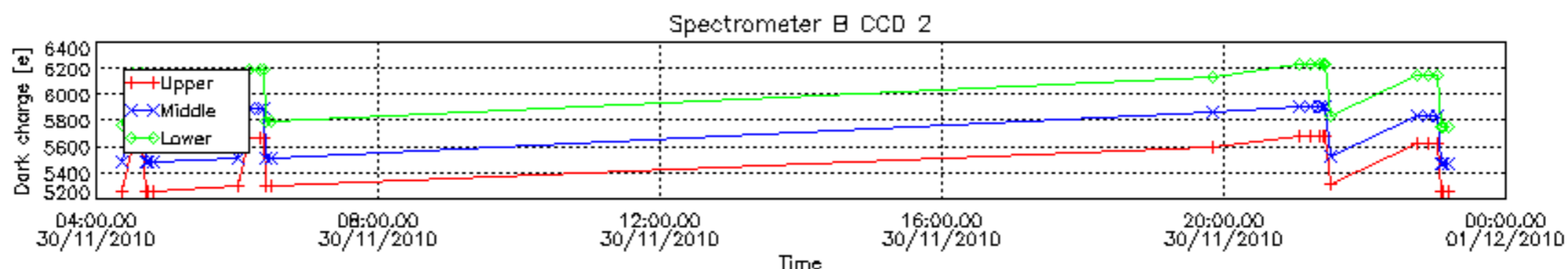
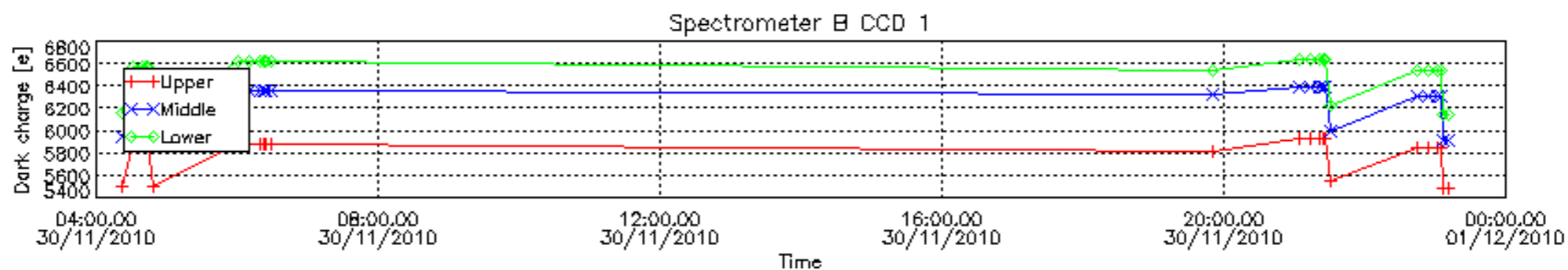
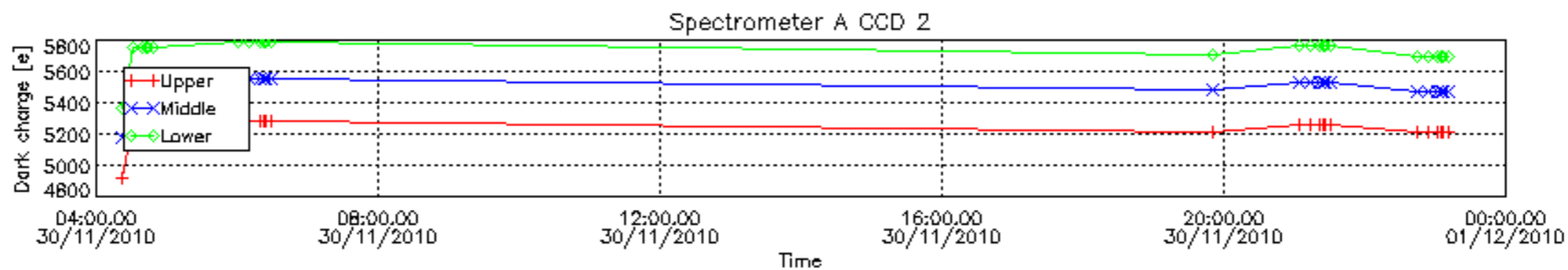
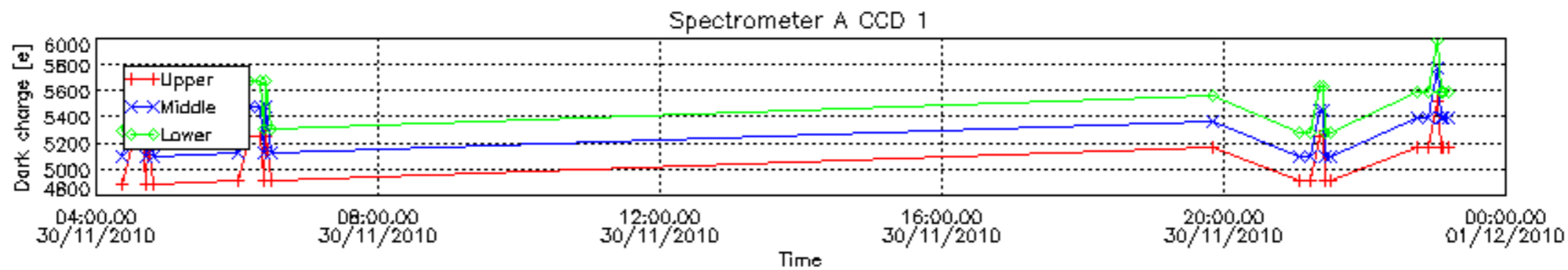
8. Auxiliary Data Files used for the production reported in section 2.4

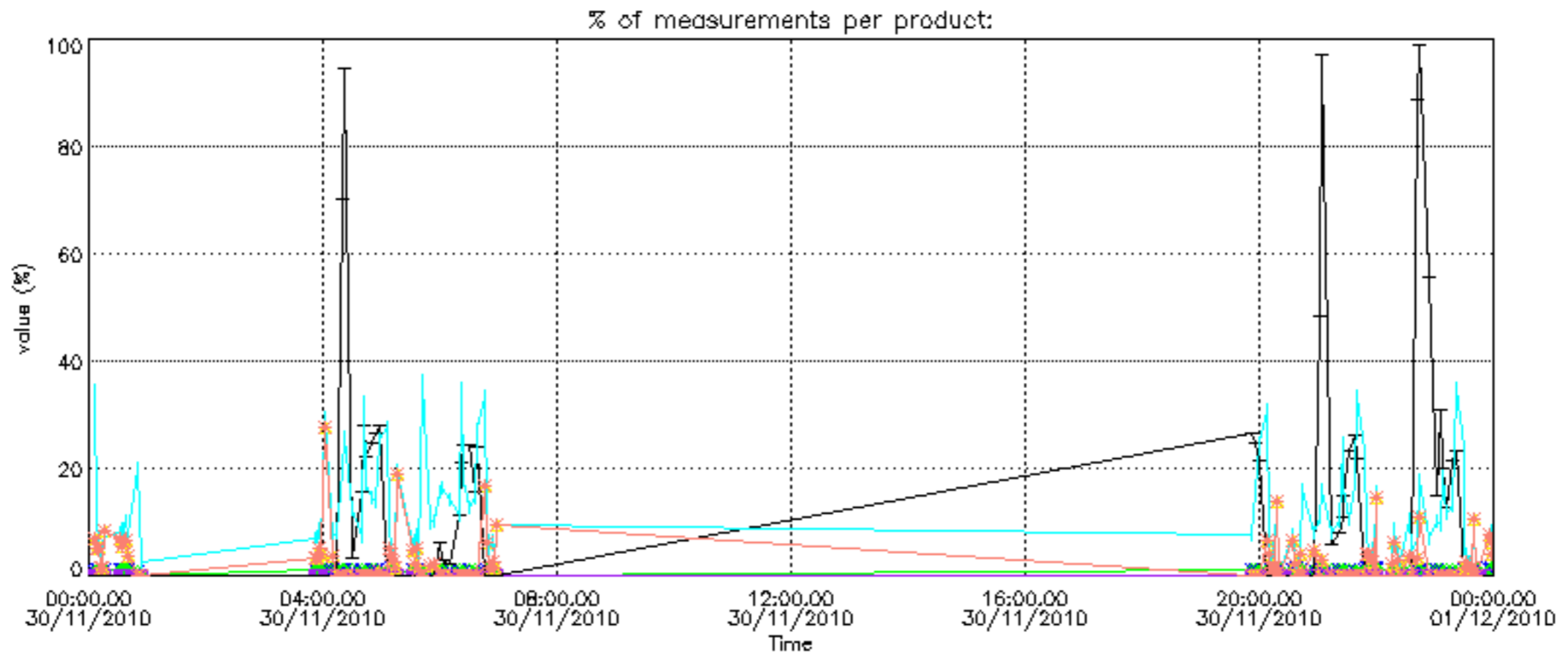
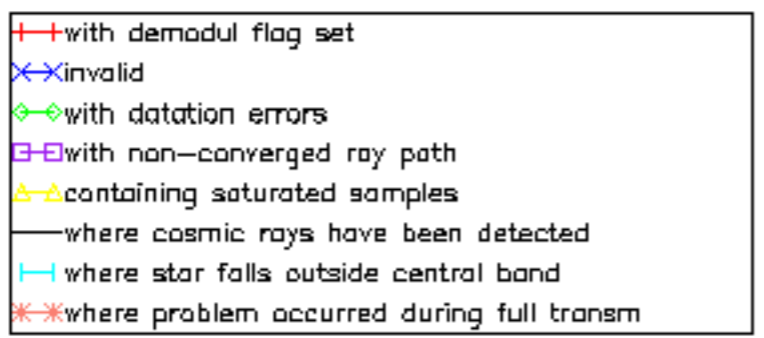
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-NOV-2010 00:05:50
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101020_091716_20101018_000000_20500101_000000	1	30-NOV-2010 00:05:50
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	30-NOV-2010 00:05:50
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-NOV-2010 00:05:50
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	30-NOV-2010 00:05:50
ECMWF_FILE	AUX_ECA_AXNECM20101130_052115_20101129_210000_20101130_090000	1	30-NOV-2010 00:05:50
ECMWF_FILE	AUX_ECF_AXNECM20101129_172116_20101130_030000_20101130_150000	14	30-NOV-2010 03:52:40
ECMWF_FILE	AUX_ECA_AXNECM20101130_052115_20101129_210000_20101130_090000	36	30-NOV-2010 05:32:54
ECMWF_FILE	AUX_ECA_AXNECM20101130_170301_20101130_090000_20101130_210000	58	30-NOV-2010 19:46:40
ECMWF_FILE	AUX_ECF_AXNECM20101130_054113_20101130_150000_20101201_030000	74	30-NOV-2010 20:53:09
ECMWF_FILE	AUX_ECF_AXNECM20101130_054114_20101130_210000_20101201_090000	99	30-NOV-2010 22:42:21
OPTIONAL_ECMWF_FILE	MISSING	1	30-NOV-2010 00:05:50
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101130_194420_000038253097_00057_45761_2030.N1	58	30-NOV-2010 19:46:40
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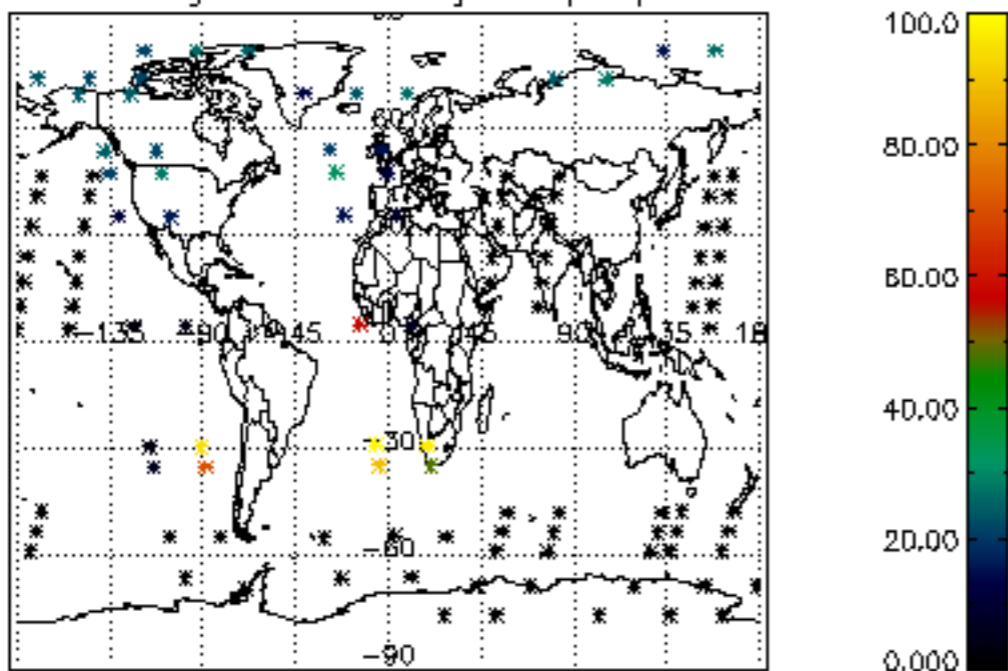




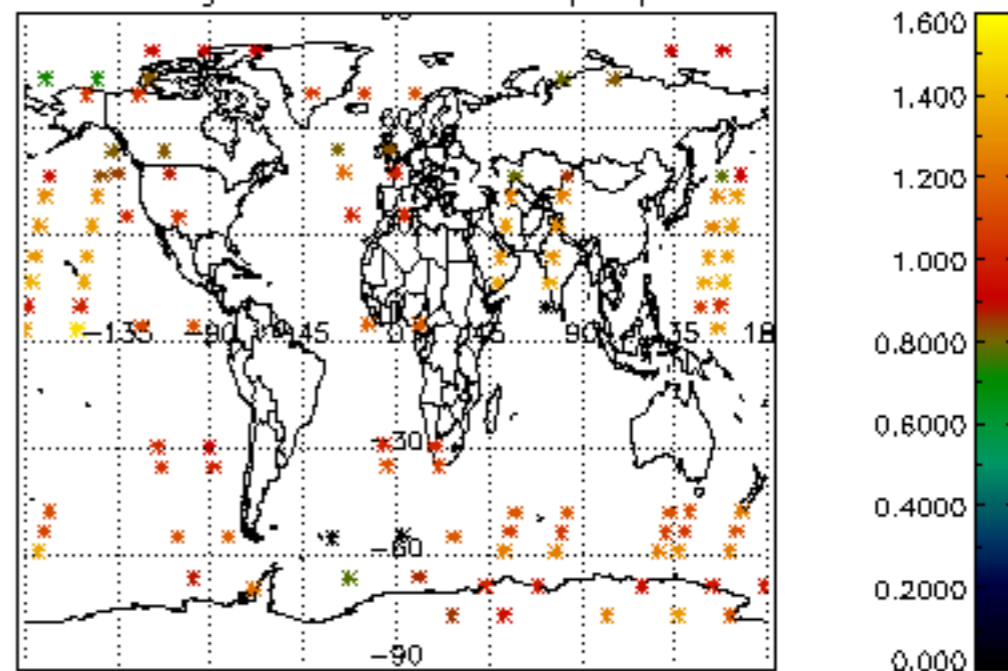




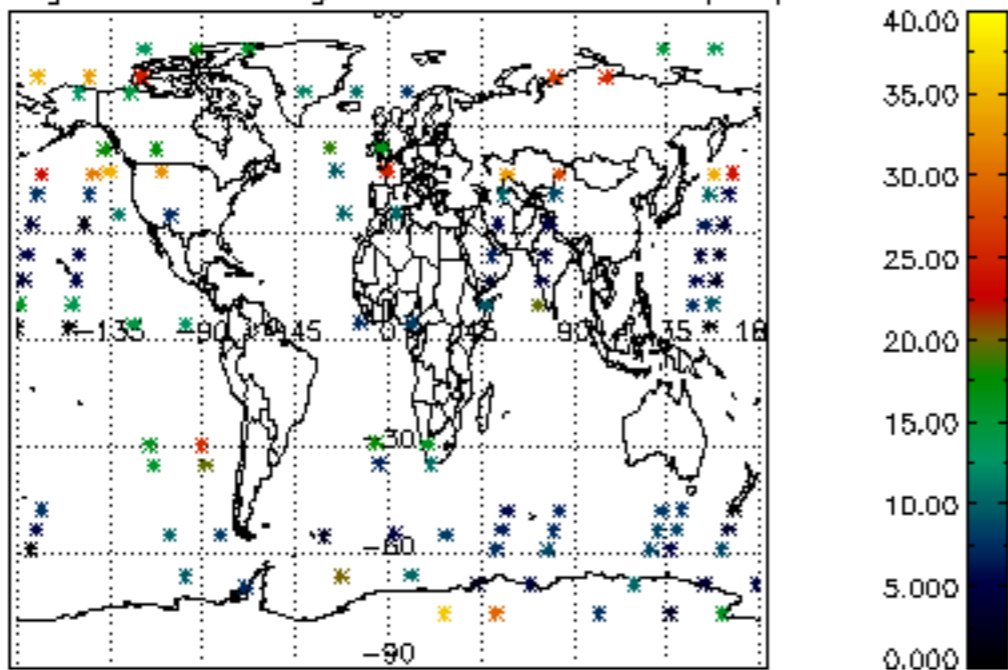
Percentage of cosmic ray hits per profile



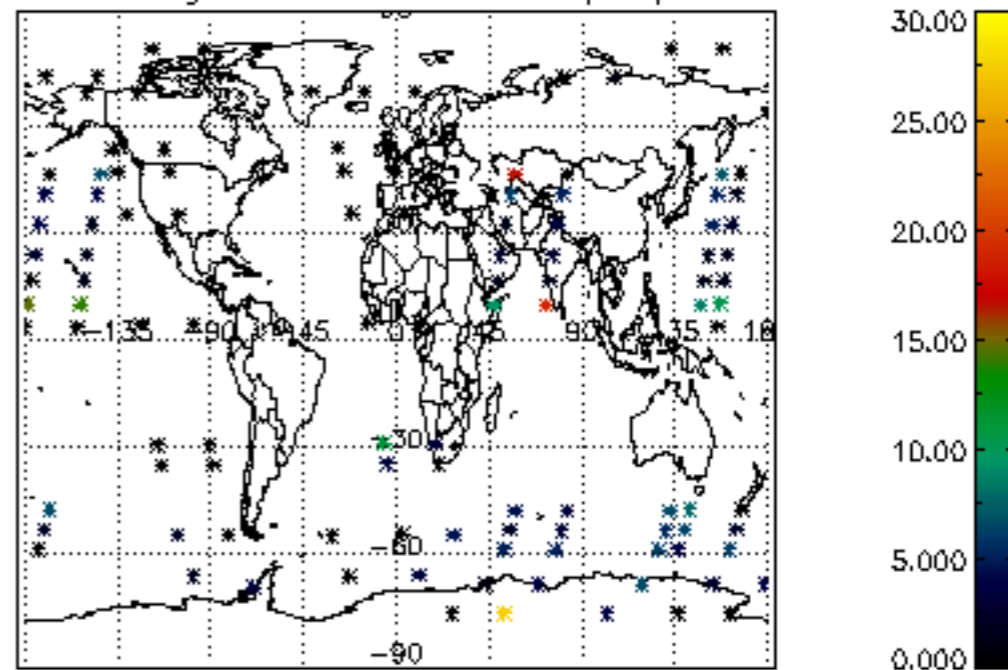
Percentage of datation errors per profile



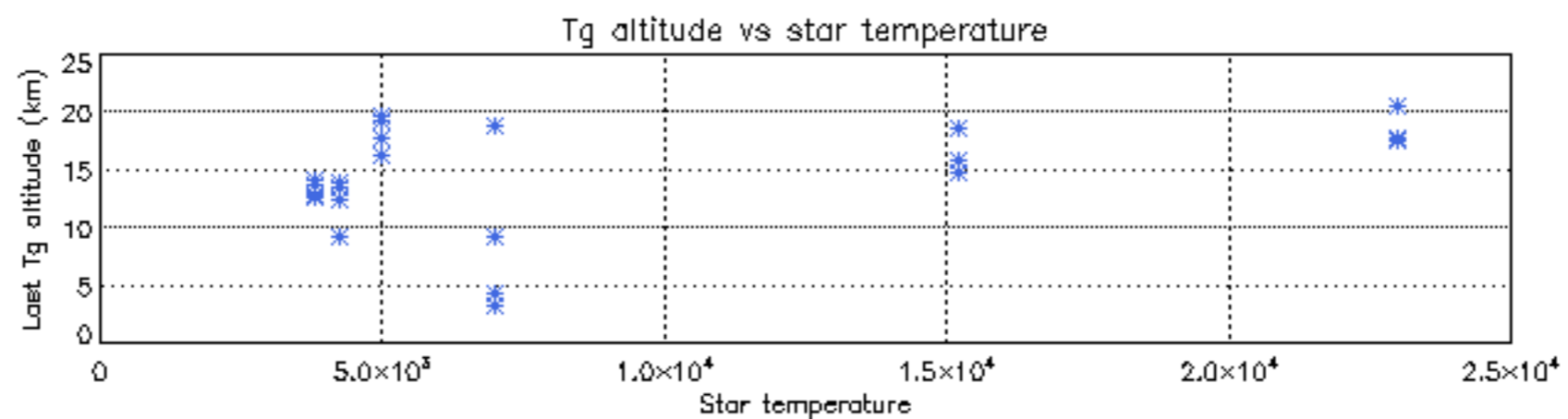
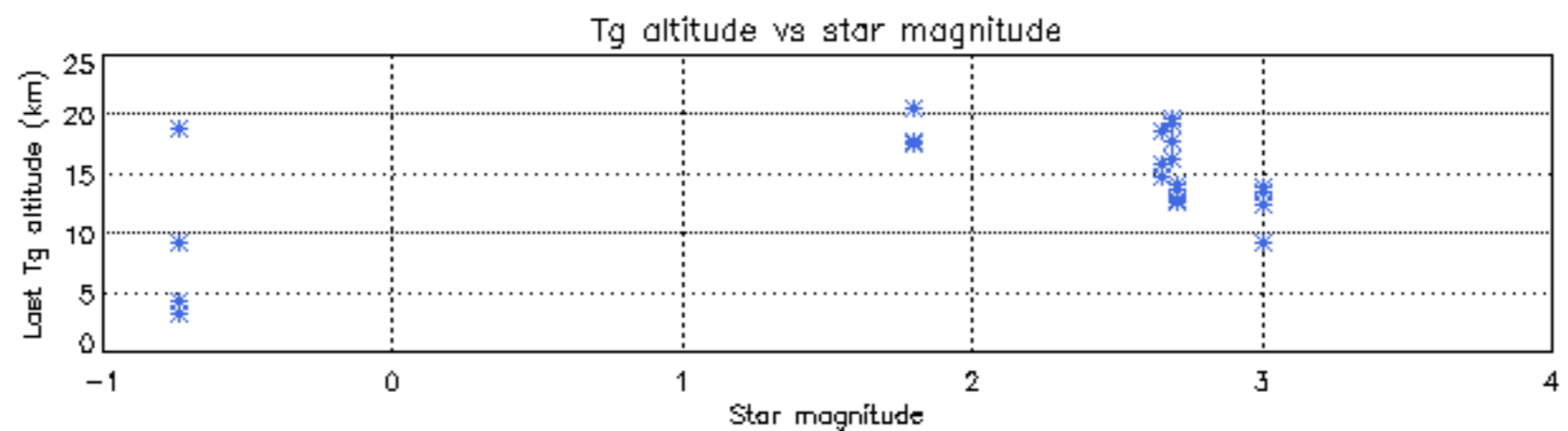
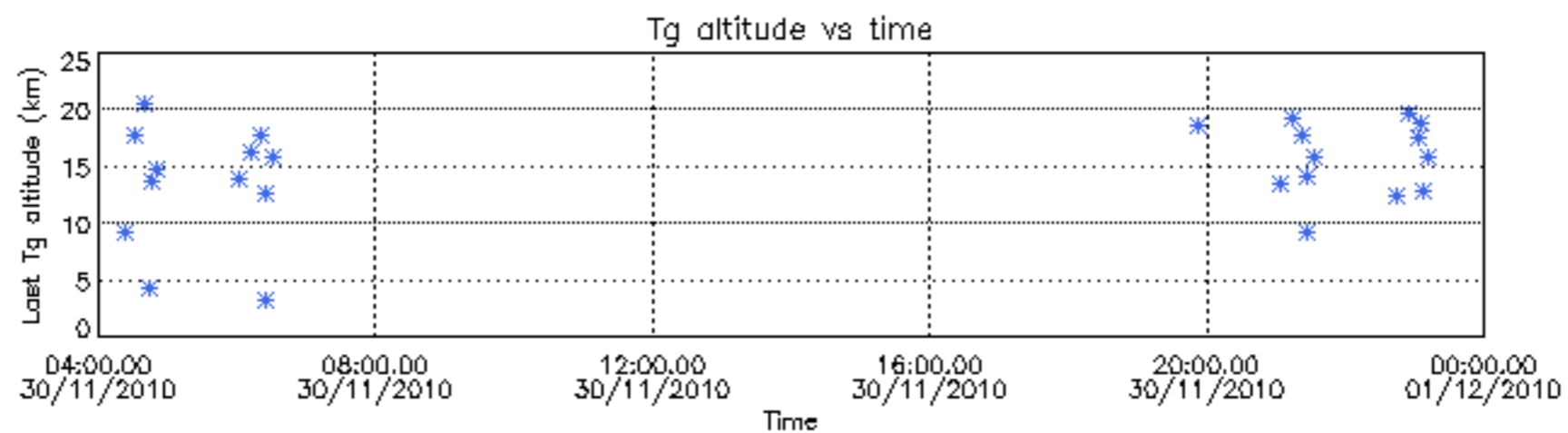
Percentage of star falling outside central band per profile



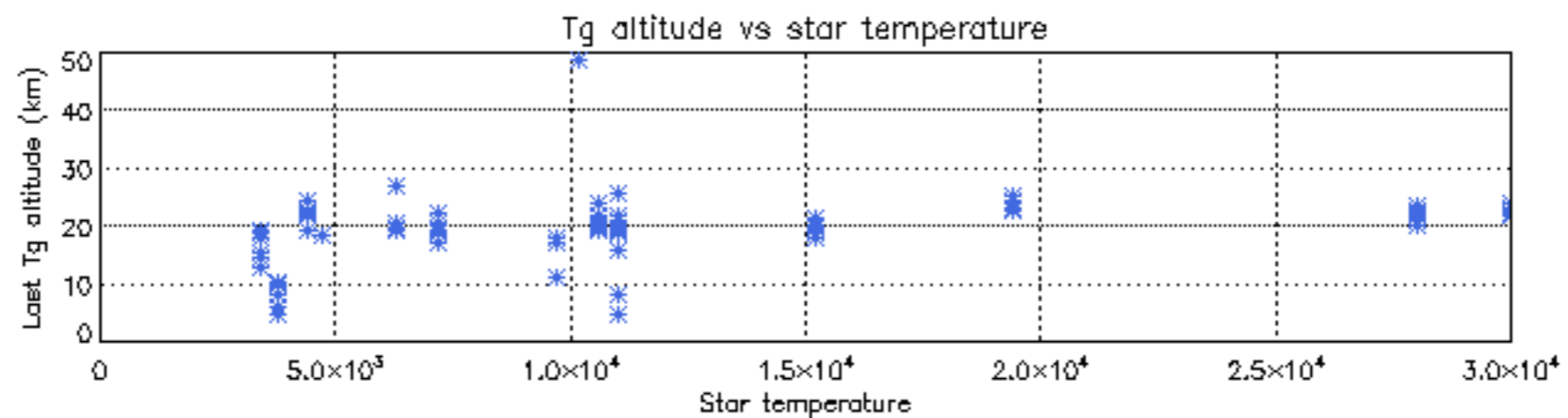
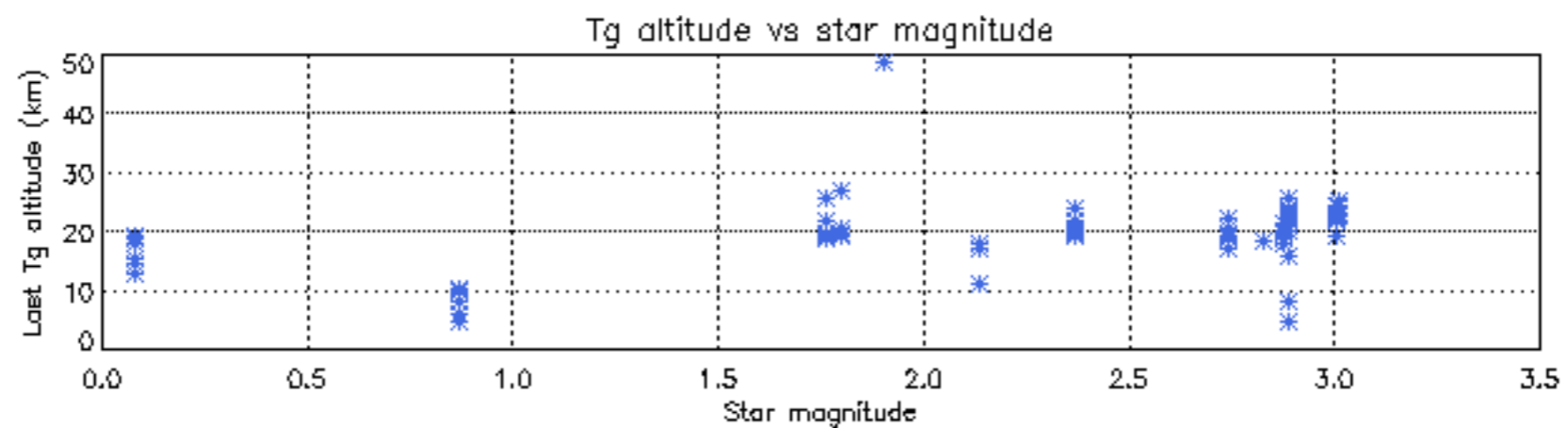
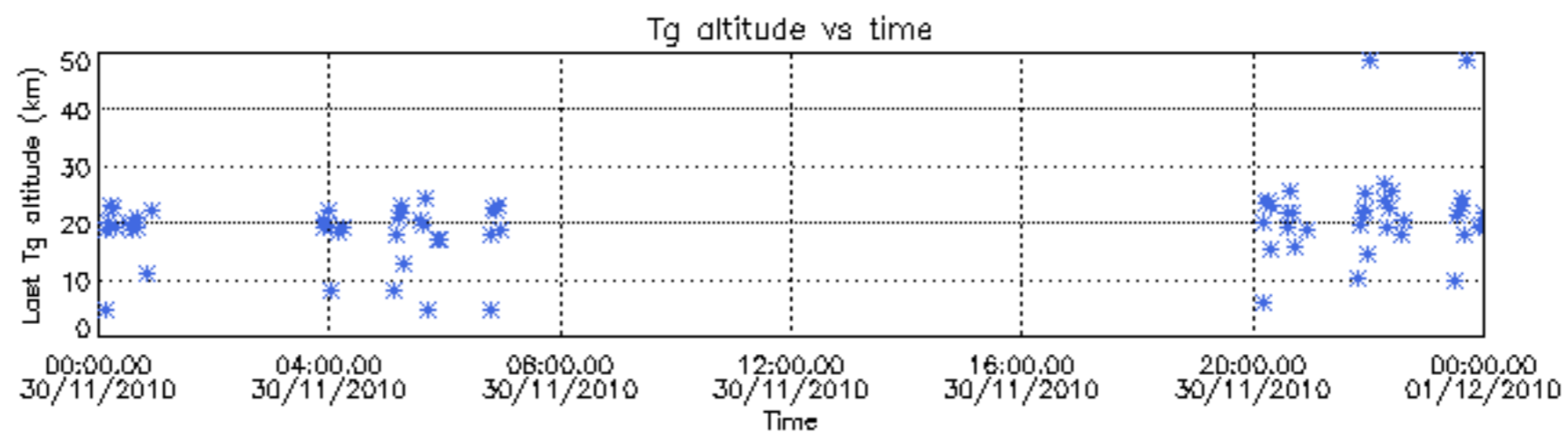
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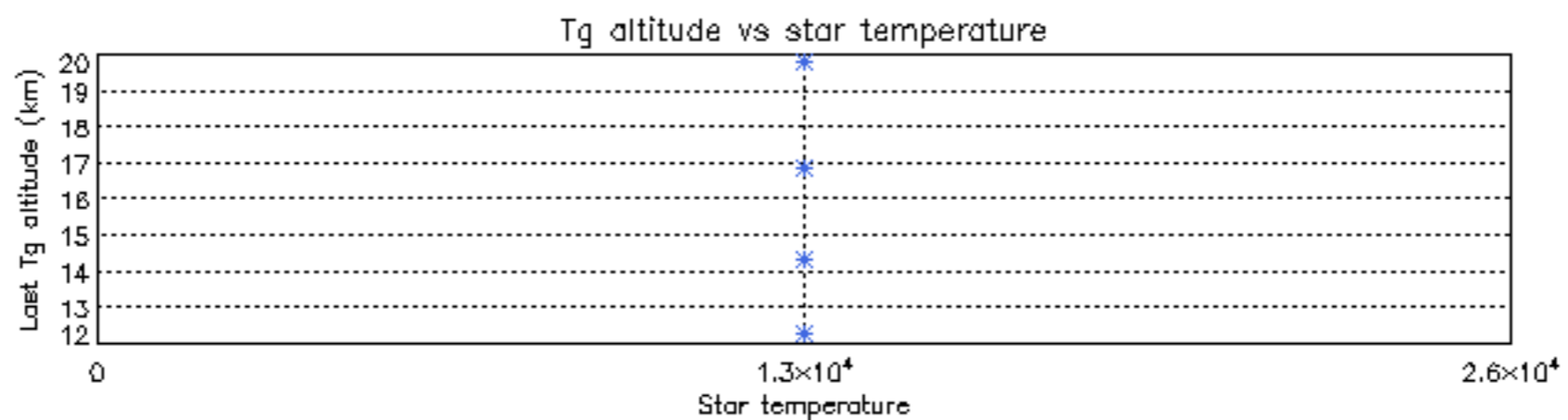
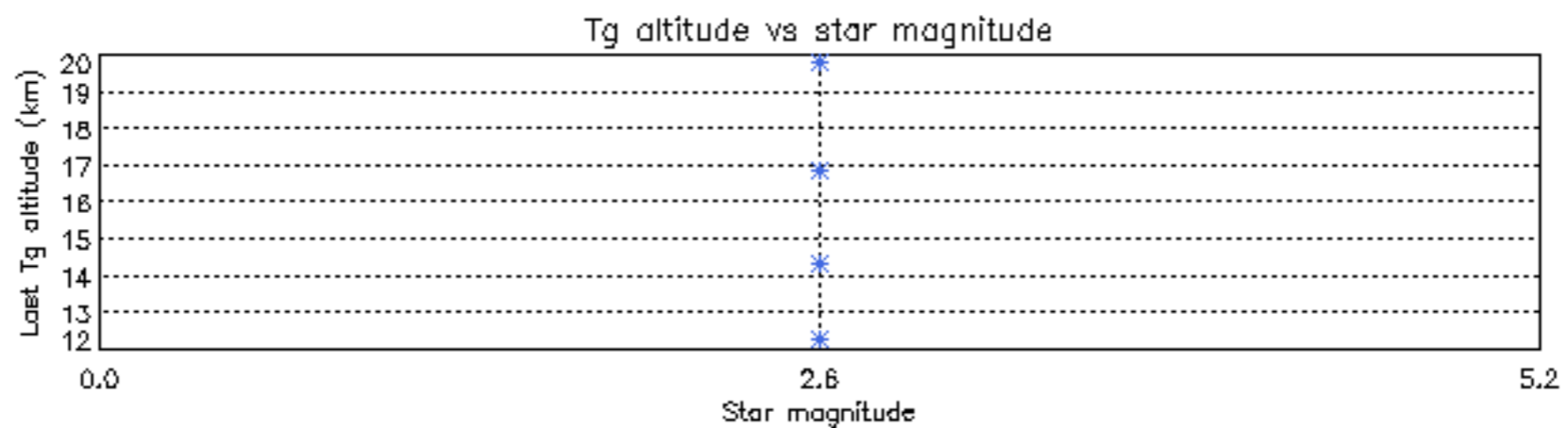
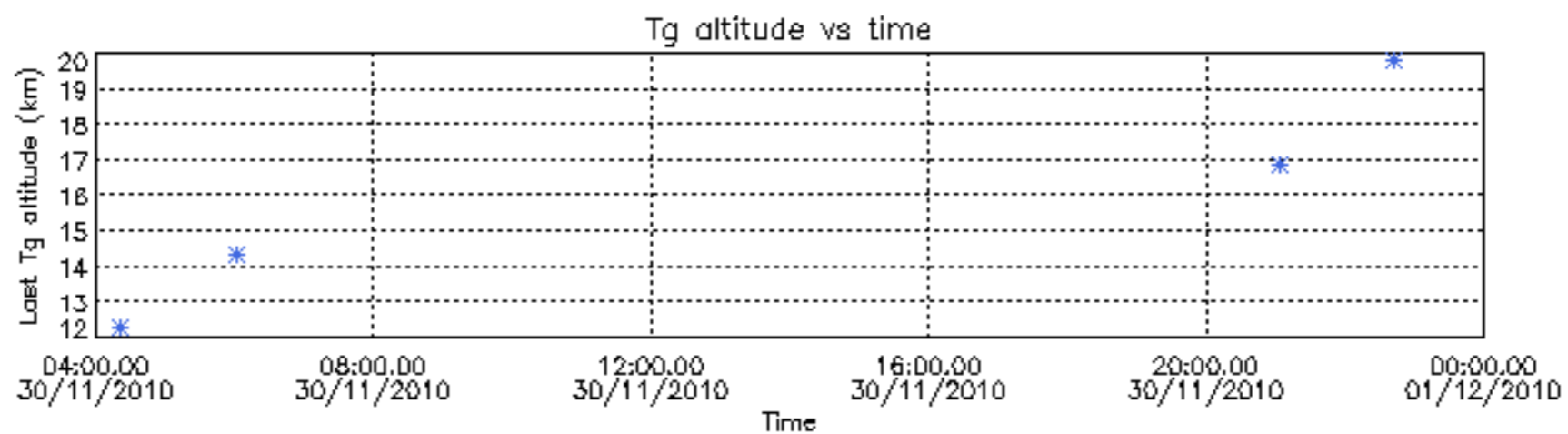
Tangent altitude at which the star is lost

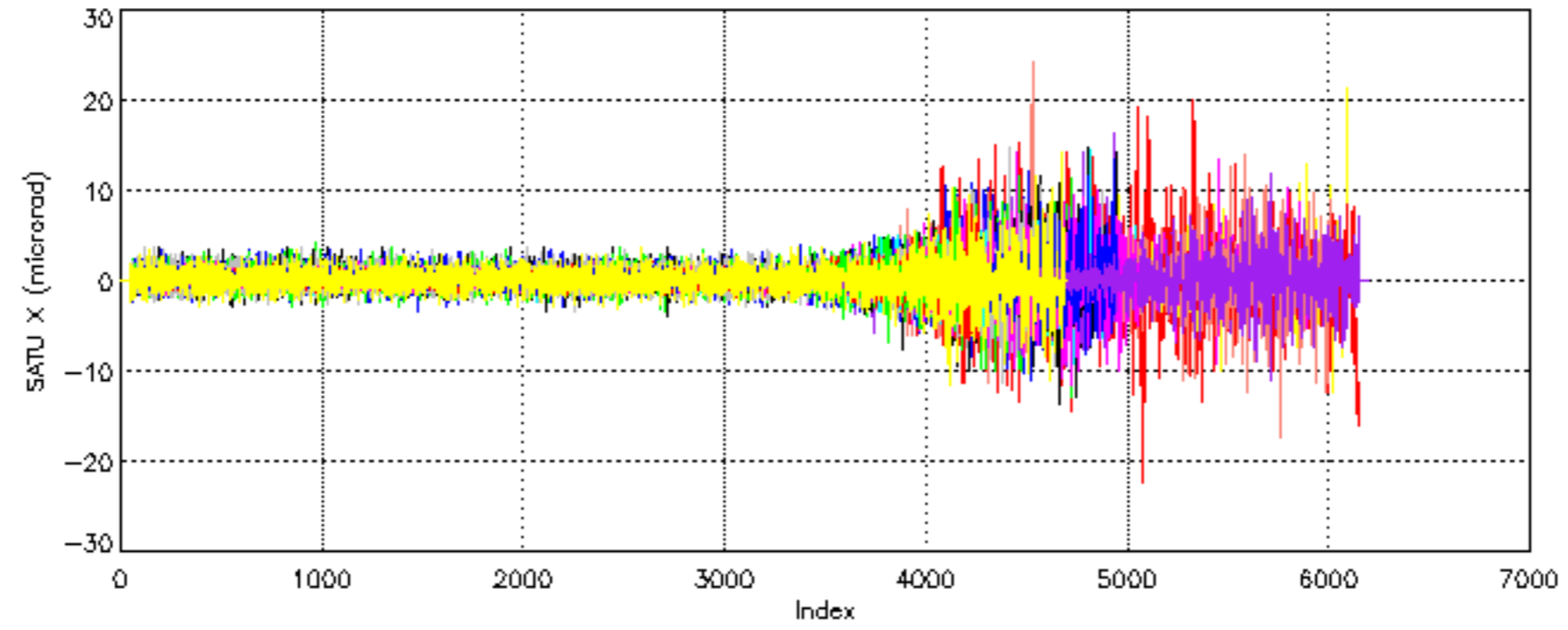


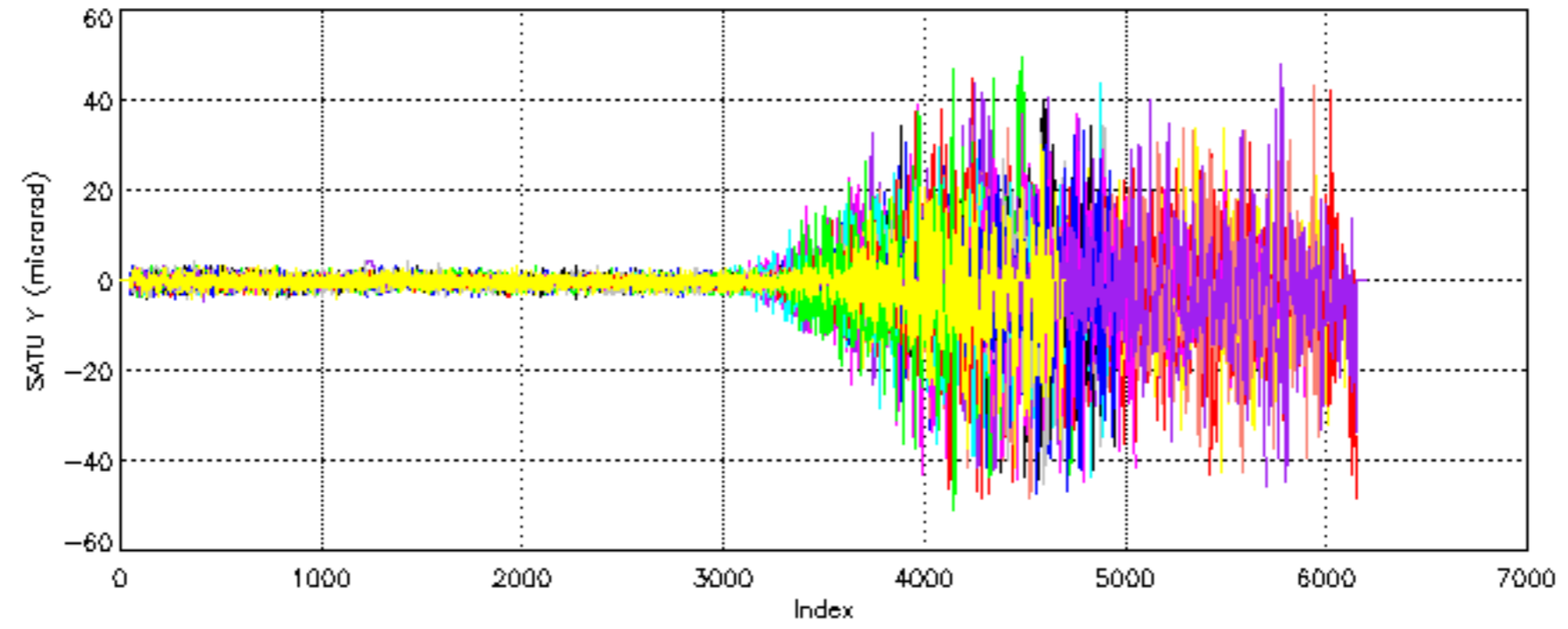
Tangent altitude at which the star is lost

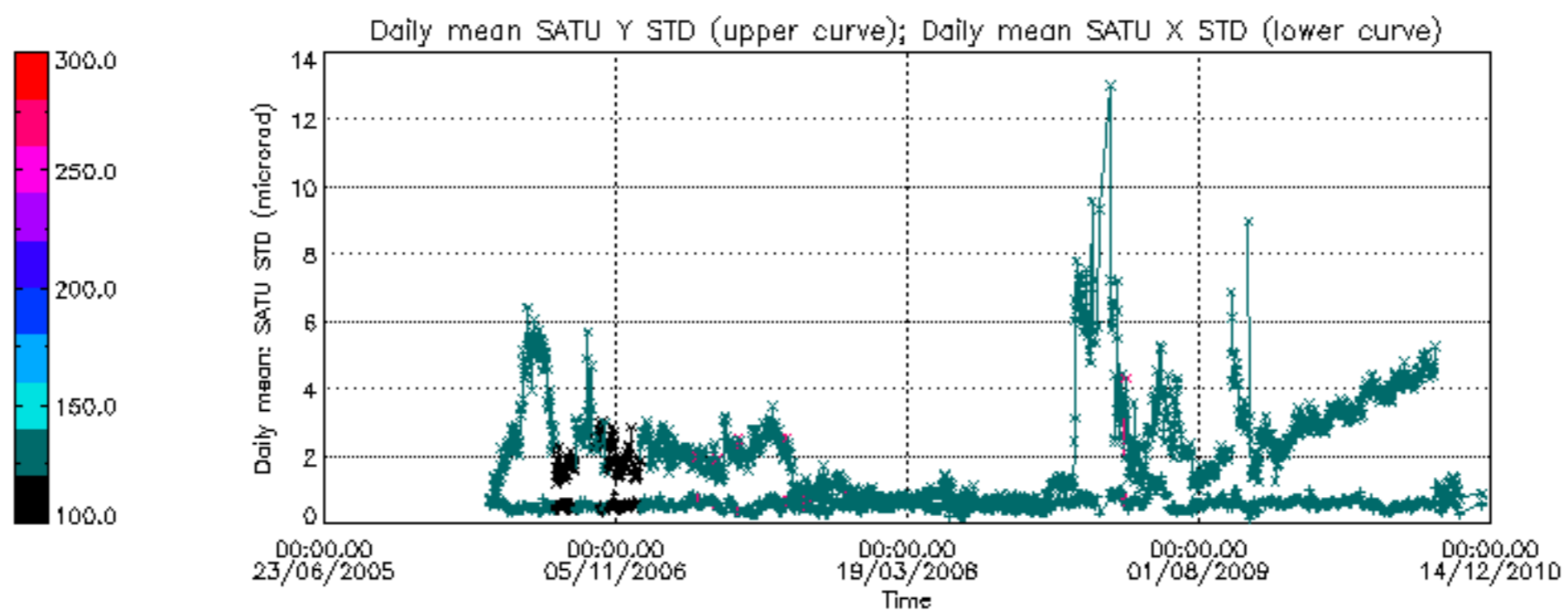


Tangent altitude at which the star is lost









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 14; 4166.1; 30-NOV-2010 19:00:47; Bright; 53.5; 174; 52Psi UMa ; 3.00; 4400;occ; 107; 0;45760
 15; 4326.2; 30-NOV-2010 19:03:27; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;45760
 16; 4893.9; 30-NOV-2010 19:12:55; Bright; 58.5; 62; 94Bet Leo ; 2.14; 9700;occ; 117; 0;45760
 17; 5093.0; 30-NOV-2010 19:16:14; Bright; 42.0; 121; 29Gam Vir ; 2.74; 7200;occ; 84; 0;45760
 18; 5430.8; 30-NOV-2010 19:21:51; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94; 0;45760
 19; 5525.9; 30-NOV-2010 19:23:27; Dark ; 47.5; 171; 2Eps Crv ; 3.00; 4250;occ; 95; 0;45760
 20; 6092.7; 30-NOV-2010 19:32:53; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;45761
 21; 6416.3; 30-NOV-2010 19:38:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45761
 22; 6607.1; 30-NOV-2010 19:41:28; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45761
 23; 6810.5; 30-NOV-2010 19:44:51; Dark ; 59.0; 2; Alp Car ; -0.74; 7000;occ; 118; 0;45761
 24; 6919.2; 30-NOV-2010 19:46:40; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;45761