

0. MIPAS Daily Report for level 0 products

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0.1 General Info

This report contains a daily analysis on parameters extracted from MIPAS level 0 data (The MIP_NL__0P product).

0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.6 08-11-2010
Time of report generation	10DEC2010 05:24:27
Data source version	KSPT_L0/4504-N
Processing scope for products	05DEC2010 00:00:00 to 06DEC2010 00:00:00
Start time of first product within scope	05DEC2010 01:12:15
Stop time of last product within scope	06DEC2010 00:37:15
Total number of level 0 products	71
Number of level 0 products with errors	49

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__OPNPDE20101205_011215_000000153097_00117_45821_2267.N1	05DEC2010 01:12:15	05DEC2010 01:12:30	1	1	0	0	0
1	MIP_NL__OPNPDE20101205_011230_000000023097_00117_45821_2268.N1	05DEC2010 01:12:30	05DEC2010 01:12:32	1	1	0	0	0
2	MIP_NL__OPNPDE20101205_011232_000000003097_00117_45821_2270.N1	05DEC2010 01:12:32	05DEC2010 01:12:32	1	1	0	0	0
3	MIP_NL__OPNPDE20101205_011311_000000133097_00117_45821_2272.N1	05DEC2010 01:13:11	05DEC2010 01:13:24	1	1	0	0	0
4	MIP_NL__OPNPDE20101205_011324_000000003097_00117_45821_2278.N1	05DEC2010 01:13:24	05DEC2010 01:13:24	1	1	0	0	0
5	MIP_NL__OPNPDE20101205_011436_000000353097_00117_45821_2285.N1	05DEC2010 01:14:36	05DEC2010 01:15:11	1	1	0	0	0
6	MIP_NL__OPNPDE20101205_011448_000000233097_00117_45821_2281.N1	05DEC2010 01:14:48	05DEC2010 01:15:11	0	0	0	0	0
7	MIP_NL__OPNPDE20101205_011450_000000333097_00117_45821_2296.N1	05DEC2010 01:14:50	05DEC2010 01:15:23	1	1	0	0	0
8	MIP_NL__OPNPDE20101205_011511_000000003097_00117_45821_2284.N1	05DEC2010 01:15:11	05DEC2010 01:15:11	1	1	0	0	0
9	MIP_NL__OPNPDE20101205_011513_000000003097_00117_45821_2289.N1	05DEC2010 01:15:13	05DEC2010 01:15:13	1	1	0	0	0
10	MIP_NL__OPNPDE20101205_011520_000000343097_00117_45821_2303.N1	05DEC2010 01:15:20	05DEC2010 01:15:54	1	1	0	0	0
11	MIP_NL__OPNPDE20101205_011521_000000023097_00117_45821_2293.N1	05DEC2010 01:15:21	05DEC2010 01:15:23	1	1	0	0	0
12	MIP_NL__OPNPDE20101205_011523_000000023097_00117_45821_2297.N1	05DEC2010 01:15:23	05DEC2010 01:15:25	1	1	0	0	0
13	MIP_NL__OPNPDE20101205_011525_000000273097_00117_45821_2298.N1	05DEC2010 01:15:25	05DEC2010 01:15:52	1	1	0	0	0
14	MIP_NL__OPNPDE20101205_011554_000000003097_00117_45821_2302.N1	05DEC2010 01:15:54	05DEC2010 01:15:54	1	1	0	0	0
15	MIP_NL__OPNPDE20101205_011645_000000173097_00117_45821_2304.N1	05DEC2010 01:16:45	05DEC2010 01:17:01	1	1	0	0	0
16	MIP_NL__OPNPDE20101205_011701_000000003097_00117_45821_2306.N1	05DEC2010 01:17:01	05DEC2010 01:17:01	1	1	0	0	0
17	MIP_NL__OPNPDE20101205_011703_000000003097_00117_45821_2311.N1	05DEC2010 01:17:03	05DEC2010 01:17:03	1	1	0	0	0
18	MIP_NL__OPNPDE20101205_011712_000000523097_00117_45821_2321.N1	05DEC2010 01:17:12	05DEC2010 01:18:04	1	1	0	0	0
19	MIP_NL__OPNPDE20101205_011713_000000003097_00117_45821_2316.N1	05DEC2010 01:17:13	05DEC2010 01:17:13	1	1	0	0	0
20	MIP_NL__OPNPDE20101205_011804_000000023097_00117_45821_2327.N1	05DEC2010 01:18:04	05DEC2010 01:18:06	1	1	1	0	1
21	MIP_NL__OPNPDE20101205_011850_000000273097_00117_45821_2328.N1	05DEC2010 01:18:50	05DEC2010 01:19:17	1	1	1	0	0
22	MIP_NL__OPNPDE20101205_011919_000000213097_00117_45821_2330.N1	05DEC2010 01:19:19	05DEC2010 01:19:40	1	1	0	0	1
23	MIP_NL__OPNPDE20101205_011942_000000003097_00117_45821_2337.N1	05DEC2010 01:19:42	05DEC2010 01:19:42	1	1	0	0	0
24	MIP_NL__OPNPDE20101205_011951_000000143097_00117_45821_2342.N1	05DEC2010 01:19:51	05DEC2010 01:20:05	1	1	0	0	0
25	MIP_NL__OPNPDE20101205_012001_000000023097_00117_45821_2340.N1	05DEC2010 01:20:01	05DEC2010 01:20:03	1	1	1	0	1
26	MIP_NL__OPNPDE20101205_012003_000000403097_00117_45821_2344.N1	05DEC2010 01:20:03	05DEC2010 01:20:43	1	1	1	0	0
27	MIP_NL__OPNPDE20101205_012005_000000003097_00117_45821_2341.N1	05DEC2010 01:20:05	05DEC2010 01:20:05	1	1	0	0	0

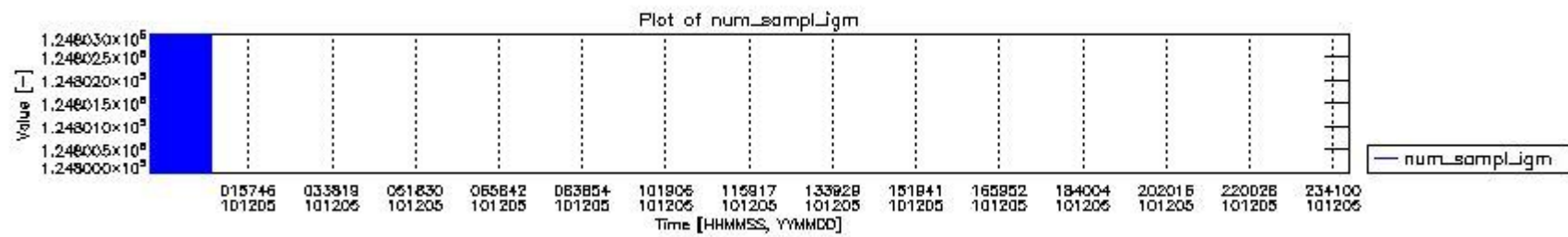
28	MIP_NL__OPNPDE20101205_012043_000000003097_00117_45821_2347.N1	05DEC2010 01:20:43	05DEC2010 01:20:43	0	0	0	0	0
29	MIP_NL__OPNPDE20101205_012112_000000083097_00117_45821_2349.N1	05DEC2010 01:21:12	05DEC2010 01:21:20	1	1	1	0	0
30	MIP_NL__OPNPDE20101205_012120_000000193097_00117_45821_2350.N1	05DEC2010 01:21:20	05DEC2010 01:21:39	1	1	0	0	0
31	MIP_NL__OPNPDE20101205_013400_000013243097_00118_45822_2355.N1	05DEC2010 01:34:00	05DEC2010 01:56:04	1	1	1	0	1
32	MIP_NL__OPNPDE20101205_015600_000077023097_00118_45822_2354.N1	05DEC2010 01:56:00	05DEC2010 04:04:23	1	1	1	0	1
33	MIP_NL__OPNPDE20101205_040355_000000043097_00119_45823_2356.N1	05DEC2010 04:03:55	05DEC2010 04:04:00	0	0	0	0	0
34	MIP_NL__OPNPDE20101205_040400_000000003097_00119_45823_2358.N1	05DEC2010 04:04:00	05DEC2010 04:04:00	1	1	0	0	0
35	MIP_NL__OPNPDE20101205_040416_000000023097_00119_45823_2365.N1	05DEC2010 04:04:16	05DEC2010 04:04:18	1	0	1	0	0
36	MIP_NL__OPNPDE20101205_040420_000000153097_00119_45823_2366.N1	05DEC2010 04:04:20	05DEC2010 04:04:35	0	0	0	0	0
37	MIP_NL__OPNPDE20101205_040439_000000023097_00119_45823_2372.N1	05DEC2010 04:04:39	05DEC2010 04:04:41	1	1	0	0	0
38	MIP_NL__OPNPDE20101205_040441_000000103097_00119_45823_2382.N1	05DEC2010 04:04:41	05DEC2010 04:04:52	1	1	0	0	0
39	MIP_NL__OPNPDE20101205_040532_000000003097_00119_45823_2386.N1	05DEC2010 04:05:32	05DEC2010 04:05:32	0	0	0	0	0
40	MIP_NL__OPNPDE20101205_040624_000000213097_00119_45823_2389.N1	05DEC2010 04:06:24	05DEC2010 04:06:45	1	0	1	0	0
41	MIP_NL__OPNPDE20101205_040716_000000043097_00119_45823_2391.N1	05DEC2010 04:07:16	05DEC2010 04:07:20	0	0	0	0	0
42	MIP_NL__OPNPDE20101205_040722_000000003097_00119_45823_2393.N1	05DEC2010 04:07:22	05DEC2010 04:07:22	1	1	0	0	0
43	MIP_NL__OPNPDE20101205_040729_000000003097_00119_45823_2398.N1	05DEC2010 04:07:29	05DEC2010 04:07:29	1	1	0	0	0
44	MIP_NL__OPNPDE20101205_040731_000000133097_00119_45823_2400.N1	05DEC2010 04:07:31	05DEC2010 04:07:43	1	1	0	0	0
45	MIP_NL__OPNPDE20101205_040743_000000003097_00119_45823_2404.N1	05DEC2010 04:07:43	05DEC2010 04:07:43	1	1	0	0	0
46	MIP_NL__OPNPDE20101205_040850_000000103097_00119_45823_2407.N1	05DEC2010 04:08:50	05DEC2010 04:09:00	0	0	0	0	0
47	MIP_NL__OPNPDE20101205_040900_000000653097_00119_45823_2410.N1	05DEC2010 04:09:00	05DEC2010 04:10:05	1	1	1	0	0
48	MIP_NL__OPNPDE20101205_041005_000000733097_00119_45823_2412.N1	05DEC2010 04:10:05	05DEC2010 04:11:18	1	1	0	0	0
49	MIP_NL__OPNPDE20101205_041120_000051893097_00119_45823_2414.N1	05DEC2010 04:11:20	05DEC2010 05:37:50	1	1	0	0	0
50	MIP_NL__OPNPDE20101205_053750_000000213097_00120_45824_2417.N1	05DEC2010 05:37:50	05DEC2010 05:38:11	0	0	0	0	0
51	MIP_NL__OPNPDE20101205_053811_000000213097_00120_45824_2419.N1	05DEC2010 05:38:11	05DEC2010 05:38:31	1	1	0	0	0
52	MIP_NL__OPNPDE20101205_053831_000000063097_00120_45824_2422.N1	05DEC2010 05:38:31	05DEC2010 05:38:38	1	1	0	0	0
53	MIP_NL__OPNPDE20101205_053838_000000023097_00120_45824_2424.N1	05DEC2010 05:38:38	05DEC2010 05:38:40	0	0	0	0	0
54	MIP_NL__OPNPDE20101205_053840_000000023097_00120_45824_2425.N1	05DEC2010 05:38:40	05DEC2010 05:38:42	1	1	0	0	0
55	MIP_NL__OPNPDE20101205_053842_000000103097_00120_45824_2426.N1	05DEC2010 05:38:42	05DEC2010 05:38:52	1	1	0	0	0
56	MIP_NL__OPNPDE20101205_053852_000000043097_00120_45824_2427.N1	05DEC2010 05:38:52	05DEC2010 05:38:57	1	1	0	0	0
57	MIP_NL__OPNPDE20101205_053857_000000043097_00120_45824_2428.N1	05DEC2010 05:38:57	05DEC2010 05:39:01	1	1	0	0	0
58	MIP_NL__OPNPDE20101205_053901_000000043097_00120_45824_2430.N1	05DEC2010 05:39:01	05DEC2010 05:39:05	0	0	0	0	0
59	MIP_NL__OPNPDE20101205_054753_000061173097_00120_45824_2436.N1	05DEC2010 05:47:53	05DEC2010 07:29:50	0	0	0	0	0
60	MIP_NL__OPNPDK20101205_072919_000039053097_00121_45825_3467.N1	05DEC2010 07:29:19	05DEC2010 08:34:23	0	0	0	0	0
61	MIP_NL__OPNPDK20101205_083323_000060893097_00122_45826_3468.N1	05DEC2010 08:33:23	05DEC2010 10:14:52	0	0	0	0	0
62	MIP_NL__OPNPDK20101205_101309_000060253097_00123_45827_3469.N1	05DEC2010 10:13:09	05DEC2010 11:53:34	0	0	0	0	0
63	MIP_NL__OPNPDK20101205_115238_000060943097_00124_45828_3470.N1	05DEC2010 11:52:38	05DEC2010 13:34:12	0	0	0	0	0
64	MIP_NL__OPNPDK20101205_133313_000058453097_00125_45829_3471.N1	05DEC2010 13:33:13	05DEC2010 15:10:39	0	0	0	0	0
65	MIP_NL__OPNPDK20101205_150953_000059693097_00126_45830_3472.N1	05DEC2010 15:09:53	05DEC2010 16:49:21	0	0	0	0	0
66	MIP_NL__OPNPDK20101205_164739_000058953097_00127_45831_3473.N1	05DEC2010 16:47:39	05DEC2010 18:25:54	0	0	0	0	0
67	MIP_NL__OPNPDK20101205_182427_000060633097_00128_45832_3474.N1	05DEC2010 18:24:27	05DEC2010 20:05:29	0	0	0	0	0
68	MIP_NL__OPNPDE20101205_200328_000043493097_00129_45833_2437.N1	05DEC2010 20:03:28	05DEC2010 21:15:57	0	0	0	0	0
69	MIP_NL__OPNPDE20101205_211455_000061383097_00129_45833_2438.N1	05DEC2010 21:14:55	05DEC2010 22:57:13	0	0	0	0	0
70	MIP_NL__OPNPDE20101205_225610_000060653097_00130_45834_2439.N1	05DEC2010 22:56:10	06DEC2010 00:37:15	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

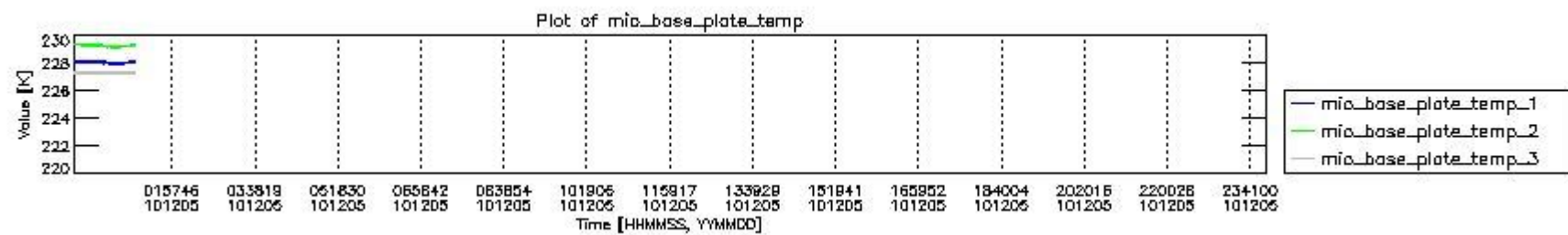
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

The following table shows the counts of various interferogram number of samples

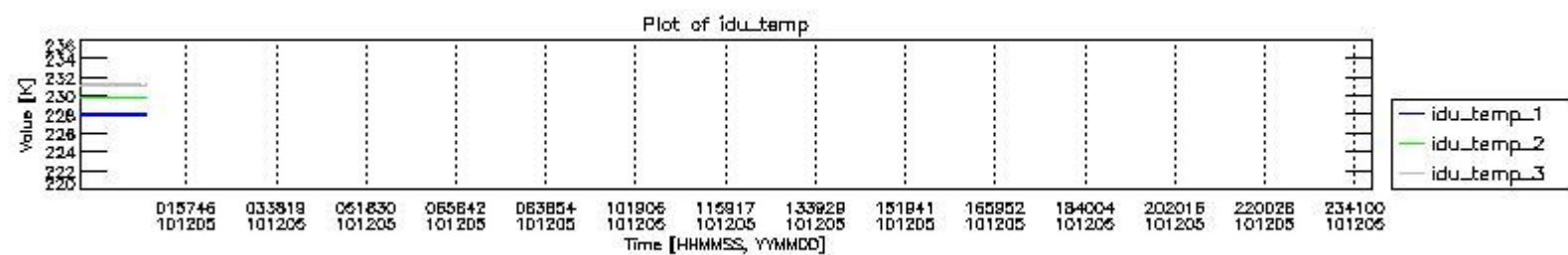
Number of igm samples	Count [#]	Count [%]
124800	1954	92.870722
124803	150	7.1292776



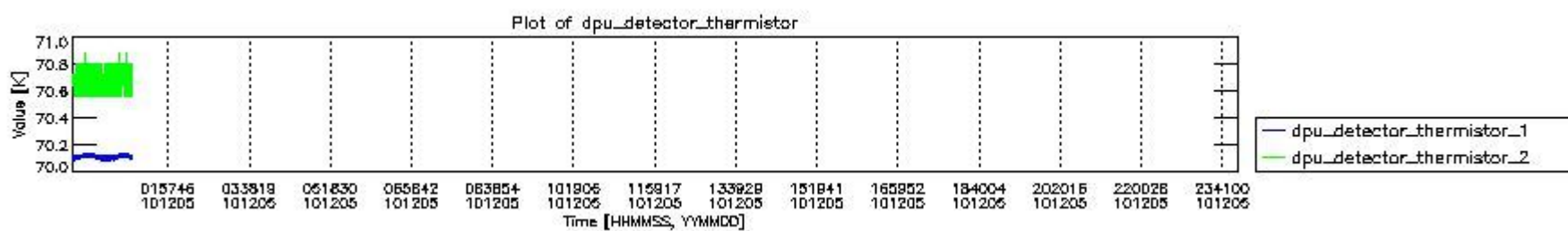
mipas_daily_report_level0_KSPT_L0_4504_N_20101205_0.PNG



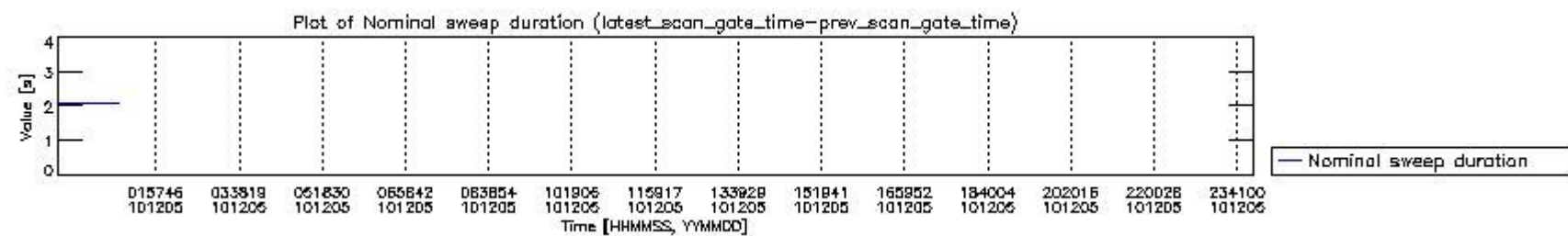
mipas_daily_report_level0_KSPT_L0_4504_N_20101205_1.PNG



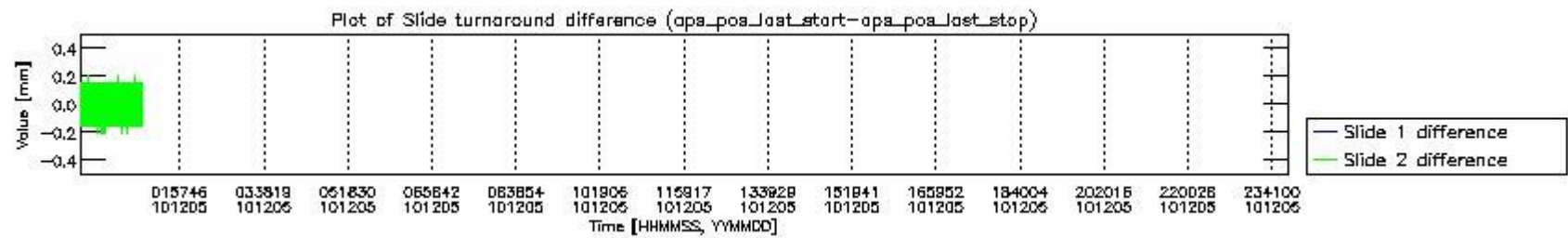
mipas_daily_report_level0_KSPT_L0_4504_N_20101205_2.PNG



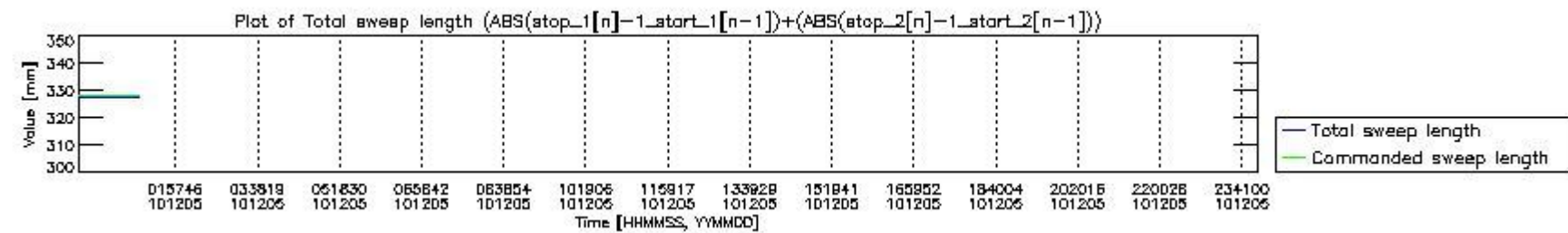
mipas_daily_report_level0_KSPT_L0_4504_N_20101205_3.PNG



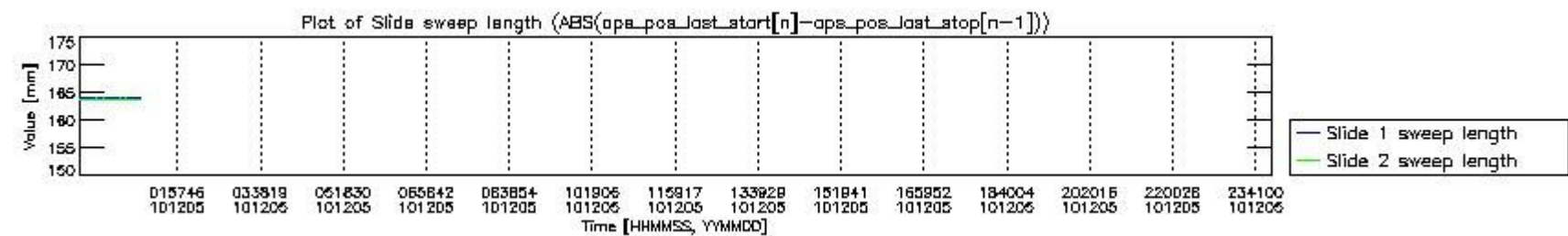
mipas_daily_report_level0_KSPT_L0_4504_N_20101205_4.PNG



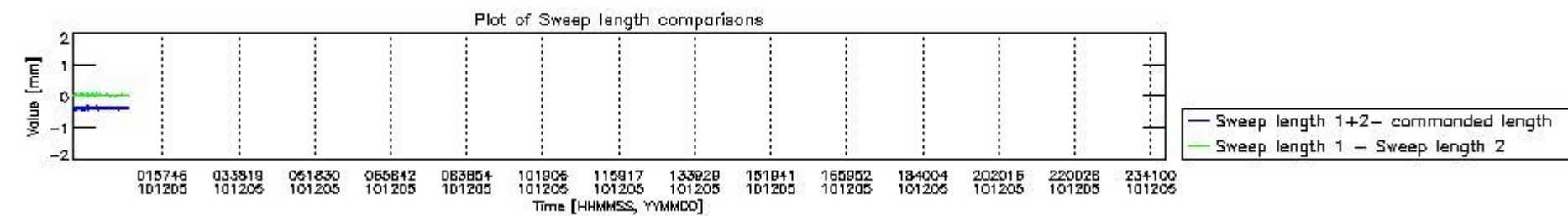
mipas_daily_report_level0_KSPT_L0_4504_N_20101205_5.PNG



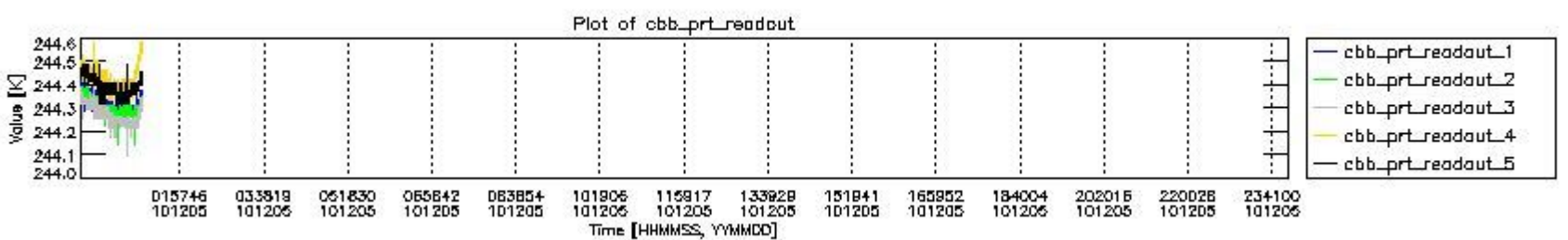
mipas_daily_report_level0_KSPT_L0_4504_N_20101205_6.PNG



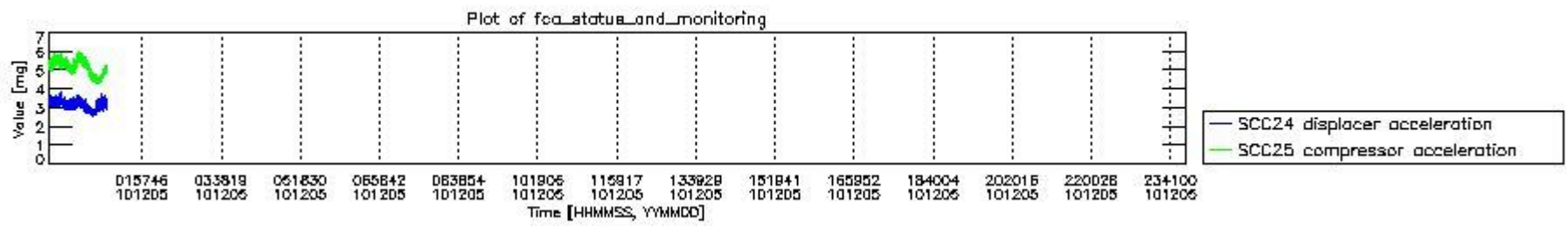
mipas_daily_report_level0_KSPT_L0_4504_N_20101205_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101205_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101205_9.PNG

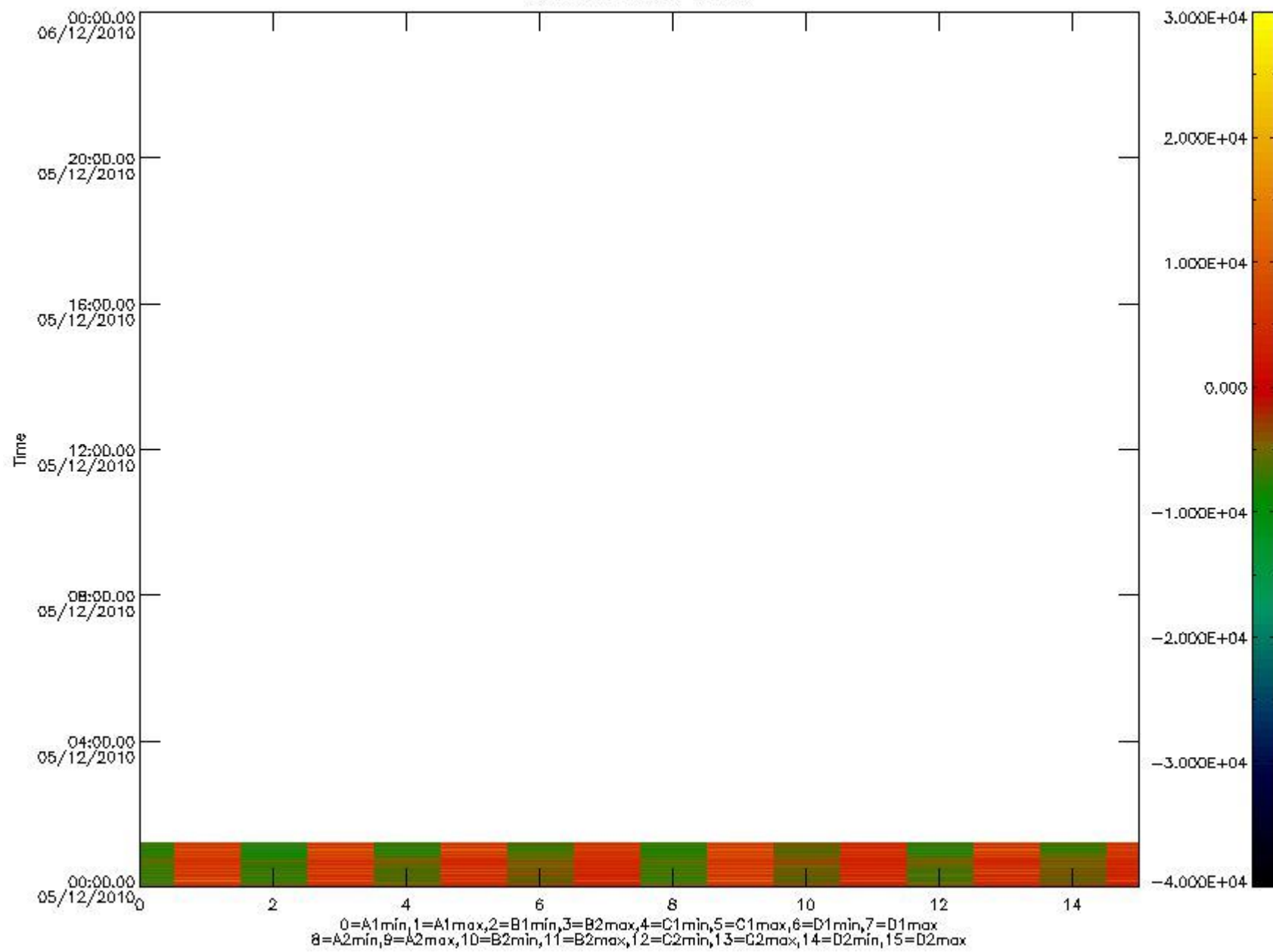


mipas_daily_report_level0_KSPT_L0_4504_N_20101205_10.PNG

The following table shows channel statistics for all channels for this day.

Channel	Min	Max	ADC
A1	-13840	14372	16bit
B1	-14961	13056	16bit
C1	-16270	13816	16bit
D1	-17850	21089	16bit
A2	-12022	13957	16bit
B2	-11056	11174	16bit
C2	-14450	14045	16bit
D2	-32768	19645	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101205_11.PNG

0.3 ADF monitoring

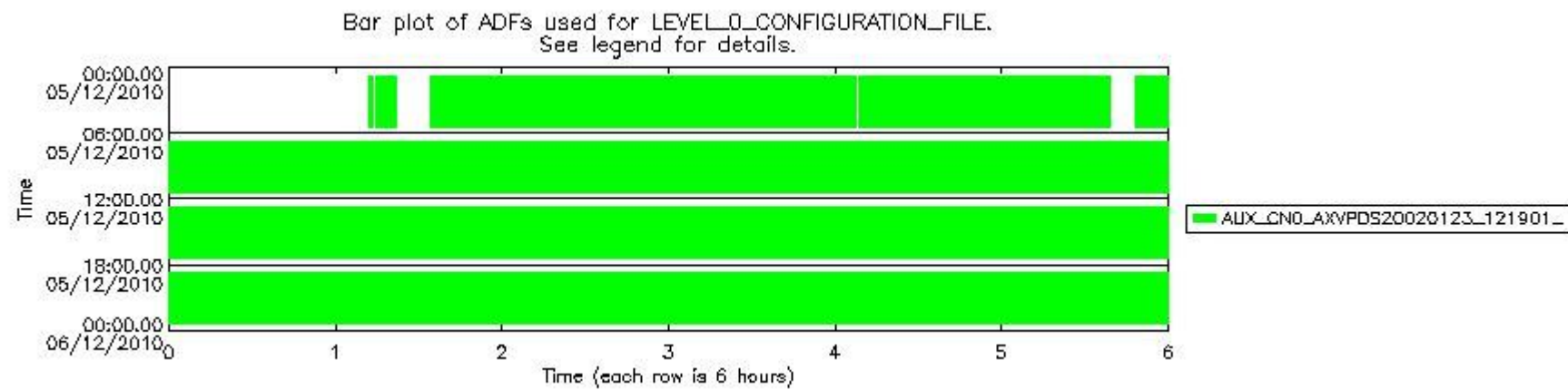
The use of ADFs is shown in two ways:

1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

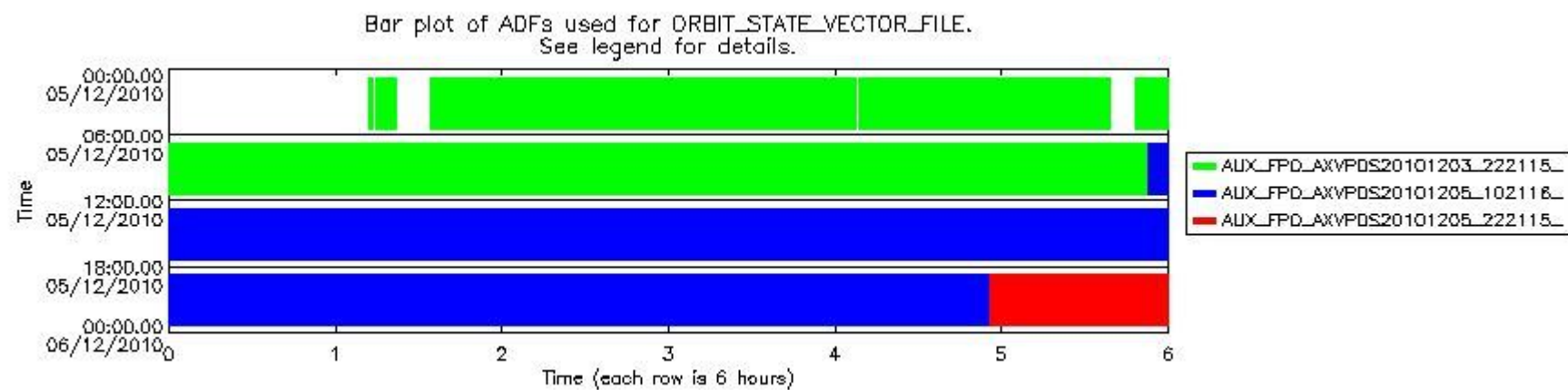
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101203_222115_20101203_192138_20101213_213532
2	AUX_FPO_AXVPDS20101205_102116_20101204_184454_20101214_205848
3	AUX_FPO_AXVPDS20101205_222115_20101205_194825_20101215_202205

Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20101205_011215_000000153097_00117_45821_2267.N1	0	1
1	MIP_NL__0PNPDE20101205_011230_000000023097_00117_45821_2268.N1	0	1
2	MIP_NL__0PNPDE20101205_011232_000000003097_00117_45821_2270.N1	0	1
3	MIP_NL__0PNPDE20101205_011311_000000133097_00117_45821_2272.N1	0	1
4	MIP_NL__0PNPDE20101205_011324_000000003097_00117_45821_2278.N1	0	1
5	MIP_NL__0PNPDE20101205_011436_000000353097_00117_45821_2285.N1	0	1
6	MIP_NL__0PNPDE20101205_011448_000000233097_00117_45821_2281.N1	0	1
7	MIP_NL__0PNPDE20101205_011450_000000333097_00117_45821_2296.N1	0	1
8	MIP_NL__0PNPDE20101205_011511_000000003097_00117_45821_2284.N1	0	1
9	MIP_NL__0PNPDE20101205_011513_000000003097_00117_45821_2289.N1	0	1
10	MIP_NL__0PNPDE20101205_011520_000000343097_00117_45821_2303.N1	0	1
11	MIP_NL__0PNPDE20101205_011521_000000023097_00117_45821_2293.N1	0	1
12	MIP_NL__0PNPDE20101205_011523_000000023097_00117_45821_2297.N1	0	1
13	MIP_NL__0PNPDE20101205_011525_000000273097_00117_45821_2298.N1	0	1
14	MIP_NL__0PNPDE20101205_011554_000000003097_00117_45821_2302.N1	0	1
15	MIP_NL__0PNPDE20101205_011645_000000173097_00117_45821_2304.N1	0	1
16	MIP_NL__0PNPDE20101205_011701_000000003097_00117_45821_2306.N1	0	1
17	MIP_NL__0PNPDE20101205_011703_000000003097_00117_45821_2311.N1	0	1
18	MIP_NL__0PNPDE20101205_011712_000000523097_00117_45821_2321.N1	0	1
19	MIP_NL__0PNPDE20101205_011713_000000003097_00117_45821_2316.N1	0	1
20	MIP_NL__0PNPDE20101205_011804_000000023097_00117_45821_2327.N1	0	1
21	MIP_NL__0PNPDE20101205_011850_000000273097_00117_45821_2328.N1	0	1
22	MIP_NL__0PNPDE20101205_011919_000000213097_00117_45821_2330.N1	0	1
23	MIP_NL__0PNPDE20101205_011942_000000003097_00117_45821_2337.N1	0	1
24	MIP_NL__0PNPDE20101205_011951_000000143097_00117_45821_2342.N1	0	1
25	MIP_NL__0PNPDE20101205_012001_000000023097_00117_45821_2340.N1	0	1
26	MIP_NL__0PNPDE20101205_012003_000000403097_00117_45821_2344.N1	0	1
27	MIP_NL__0PNPDE20101205_012005_000000003097_00117_45821_2341.N1	0	1
28	MIP_NL__0PNPDE20101205_012043_000000003097_00117_45821_2347.N1	0	1
29	MIP_NL__0PNPDE20101205_012112_000000083097_00117_45821_2349.N1	0	1
30	MIP_NL__0PNPDE20101205_012120_000000193097_00117_45821_2350.N1	0	1
31	MIP_NL__0PNPDE20101205_013400_000013243097_00118_45822_2355.N1	0	1
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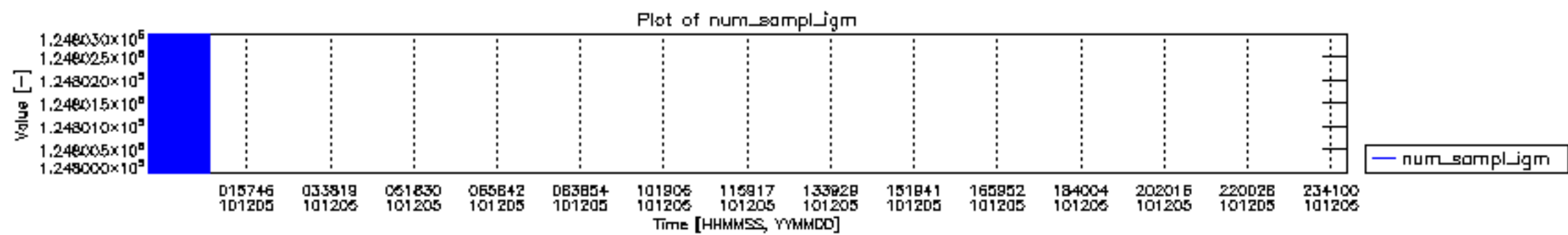
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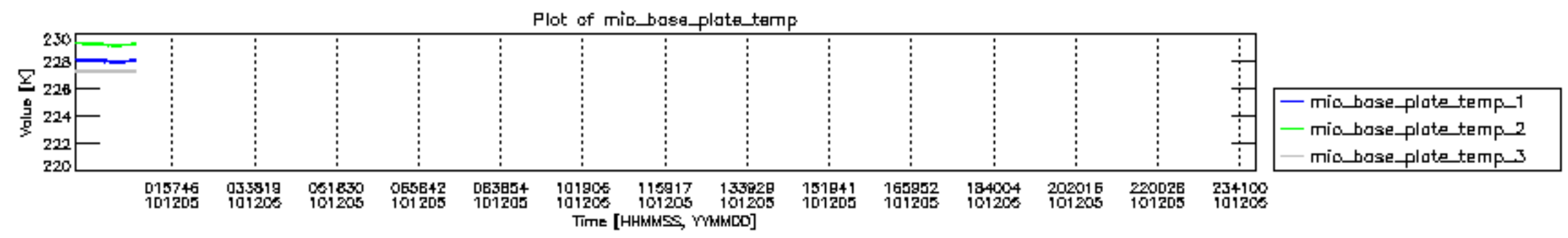


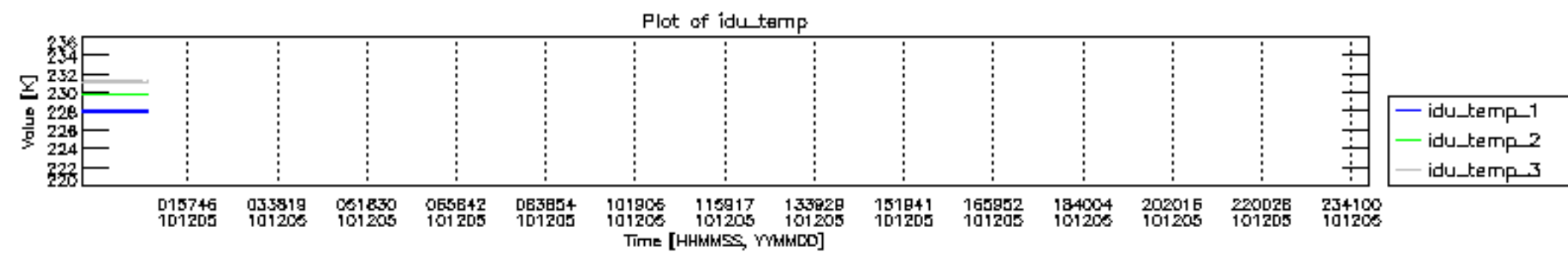
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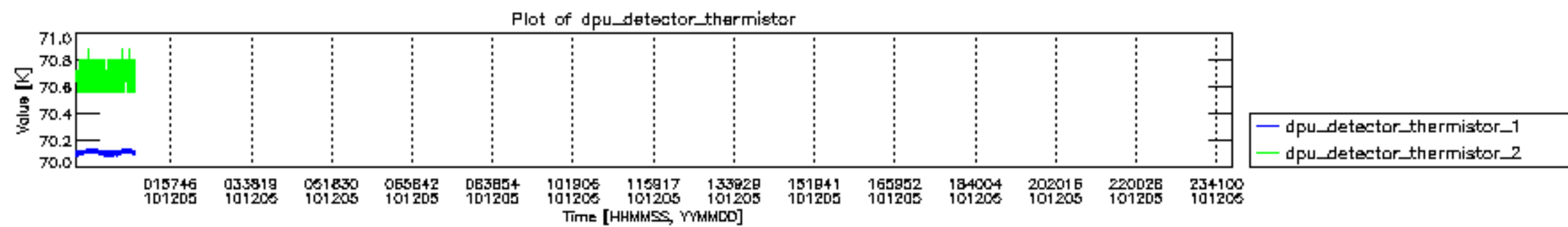


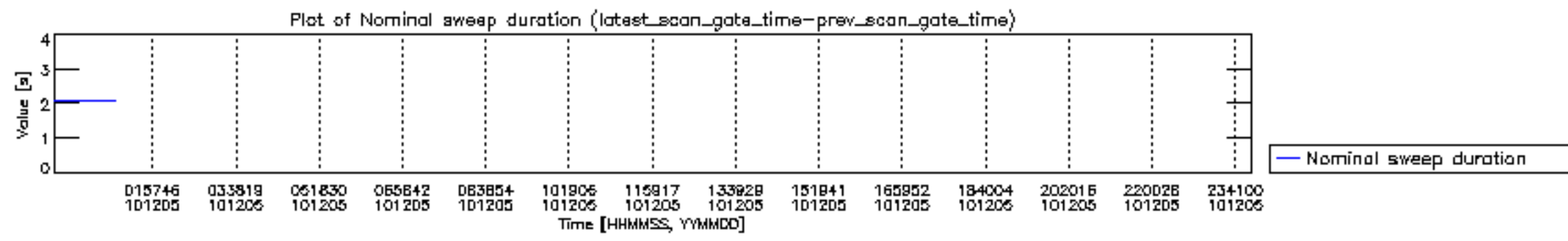
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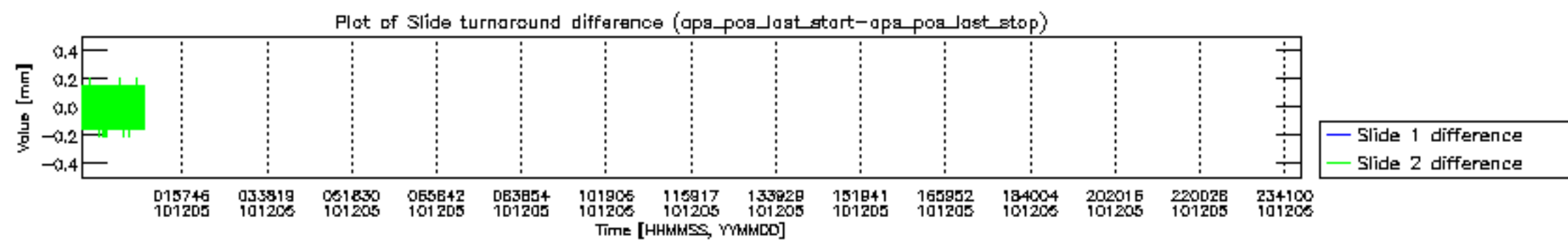


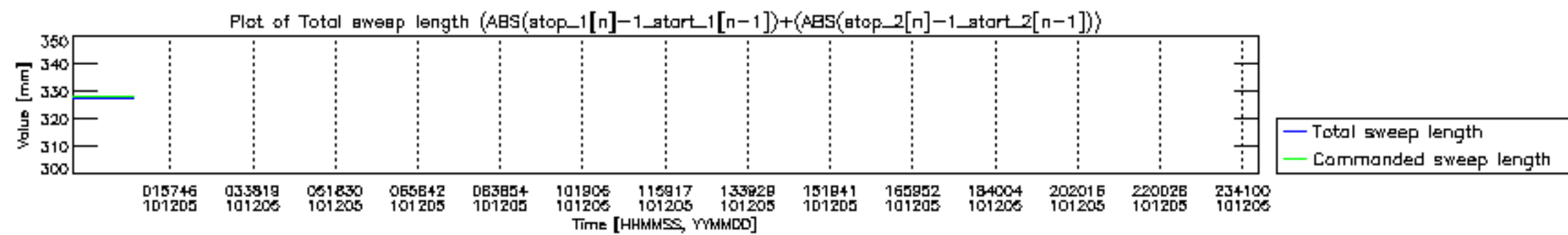


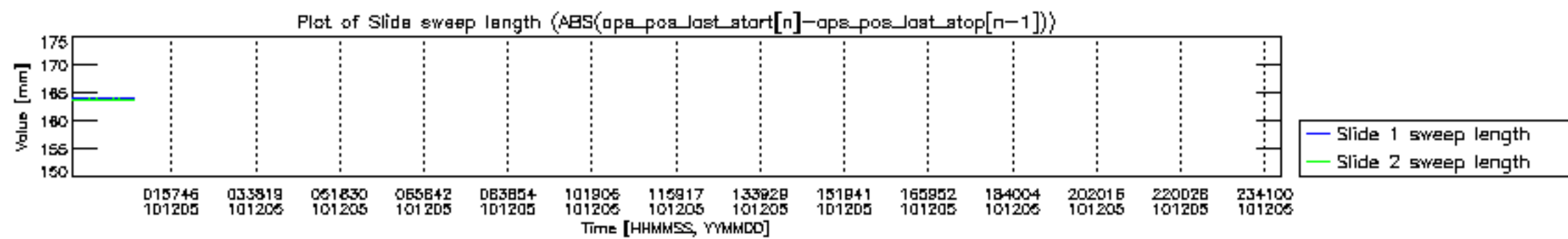


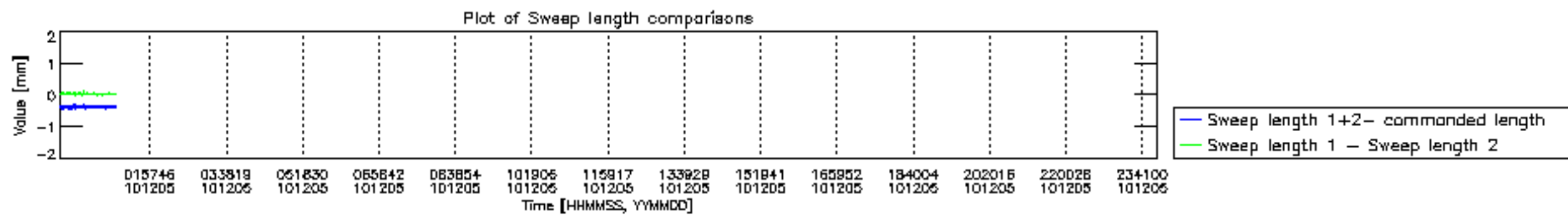


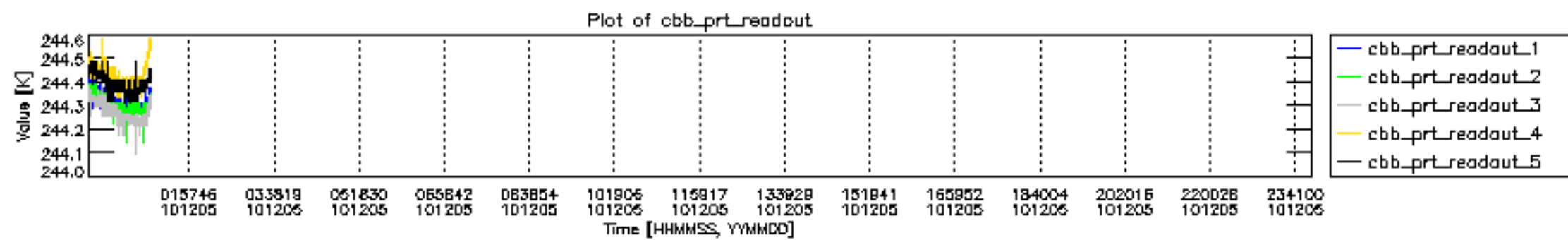


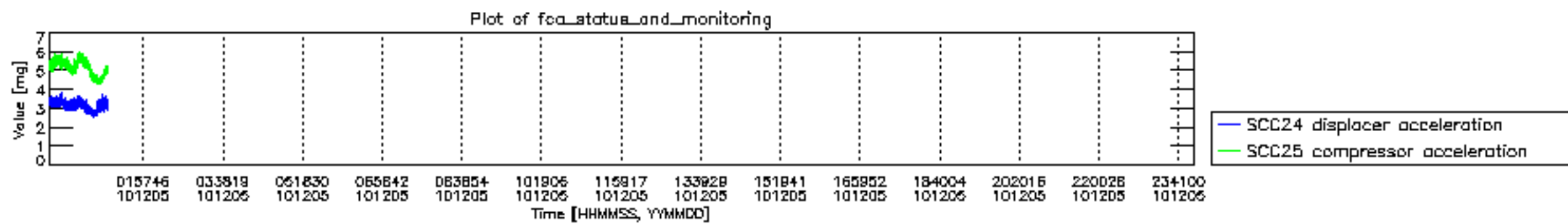




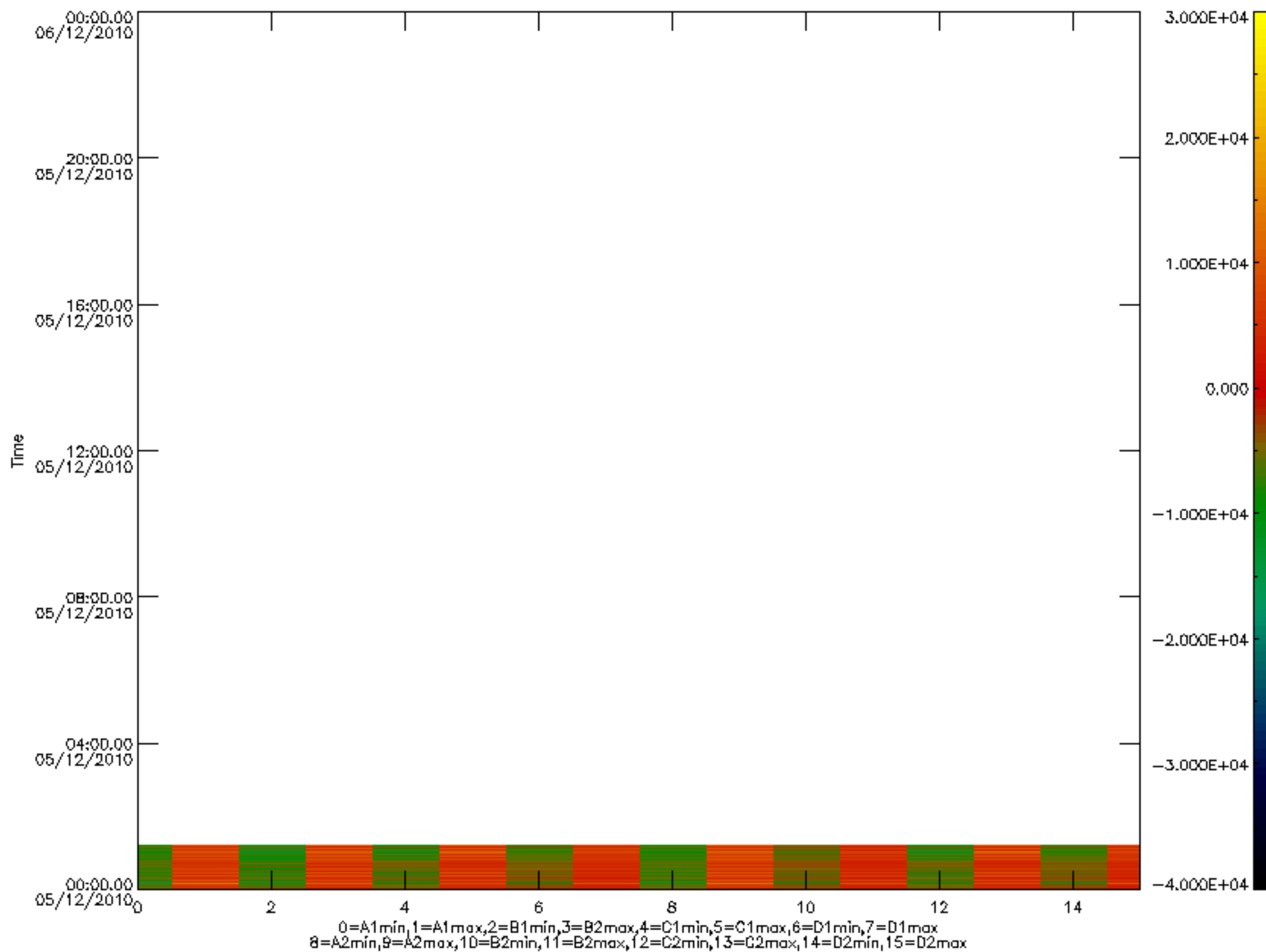


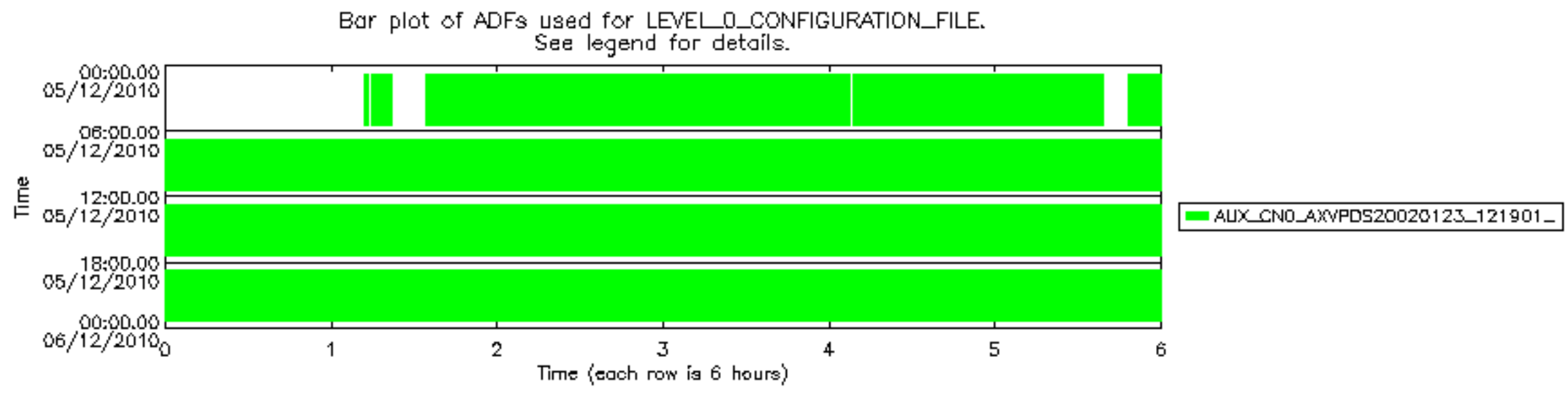






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

