

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	12NOV2010 05:25:50
Data source version	KSPT_L0/4504-N
Processing scope for products	09NOV2010 00:00:00 to 10NOV2010 00:00:00
Start time of first product within scope	09NOV2010 01:04:14
Stop time of last product within scope	10NOV2010 01:28:23
Total number of level 0 products	16
Number of level 0 products with errors	0

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__0PNPDE20101109_010414_000035953096_00175_45448_1814.N1	09NOV2010 01:04:14	09NOV2010 02:04:09	0	0	0	0	0
1	MIP_NL__0PNPDE20101109_020311_000045103096_00175_45448_1815.N1	09NOV2010 02:03:11	09NOV2010 03:18:21	0	0	0	0	0
2	MIP_NL__0PNPDE20101109_031747_000061923096_00176_45449_1816.N1	09NOV2010 03:17:47	09NOV2010 05:00:59	0	0	0	0	0
3	MIP_NL__0PNPDE20101109_050026_000060293096_00177_45450_1817.N1	09NOV2010 05:00:26	09NOV2010 06:40:55	0	0	0	0	0
4	MIP_NL__0PNPDK20101109_064022_000039193096_00178_45451_3224.N1	09NOV2010 06:40:22	09NOV2010 07:45:41	0	0	0	0	0
5	MIP_NL__0PNPDK20101109_074436_000061483096_00179_45452_3225.N1	09NOV2010 07:44:36	09NOV2010 09:27:04	0	0	0	0	0
6	MIP_NL__0PNPDK20101109_092602_000061843096_00180_45453_3226.N1	09NOV2010 09:26:02	09NOV2010 11:09:05	0	0	0	0	0
7	MIP_NL__0PNPDK20101109_110748_000059663096_00181_45454_3227.N1	09NOV2010 11:07:48	09NOV2010 12:47:14	0	0	0	0	0
8	MIP_NL__0PNPDK20101109_124616_000058983096_00182_45455_3228.N1	09NOV2010 12:46:16	09NOV2010 14:24:33	0	0	0	0	0
9	MIP_NL__0PNPDK20101109_142337_000060043096_00183_45456_3229.N1	09NOV2010 14:23:37	09NOV2010 16:03:41	0	0	0	0	0
10	MIP_NL__0PNPDK20101109_160242_000058453096_00184_45457_3230.N1	09NOV2010 16:02:42	09NOV2010 17:40:08	0	0	0	0	0
11	MIP_NL__0PNPDK20101109_173907_000059563096_00185_45458_3231.N1	09NOV2010 17:39:07	09NOV2010 19:18:23	0	0	0	0	0
12	MIP_NL__0PNPDK20101109_191722_000061343096_00186_45459_3232.N1	09NOV2010 19:17:22	09NOV2010 20:59:36	0	0	0	0	0
13	MIP_NL__0PNPDE20101109_205835_000043223096_00187_45460_1818.N1	09NOV2010 20:58:35	09NOV2010 22:10:38	0	0	0	0	0
14	MIP_NL__0PNPDE20101109_220931_000061083096_00187_45460_1819.N1	09NOV2010 22:09:31	09NOV2010 23:51:19	0	0	0	0	0
15	MIP_NL__0PNPDE20101109_235012_000058913096_00188_45461_1820.N1	09NOV2010 23:50:12	10NOV2010 01:28:23	0	0	0	0	0

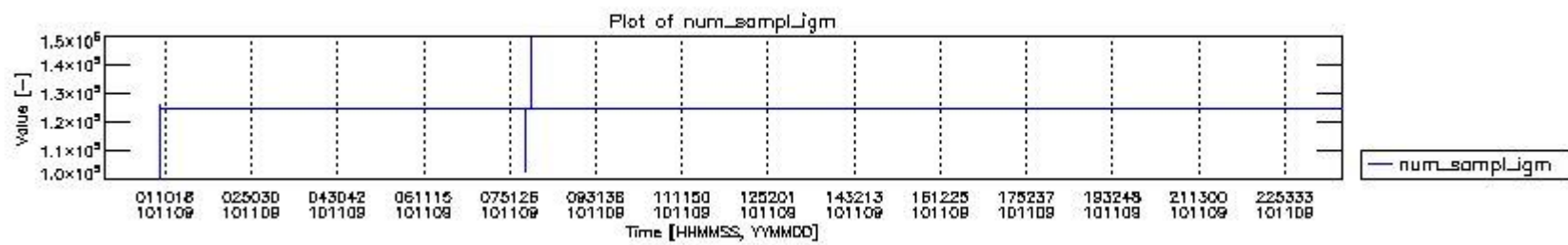
0.2 Instrument Operational Performance Parameters

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.

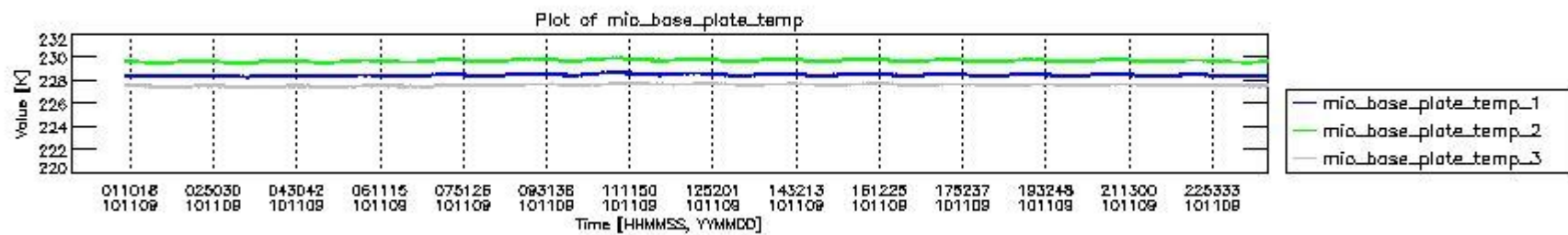
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100260	1	0.0025140156
102666	1	0.0025140156

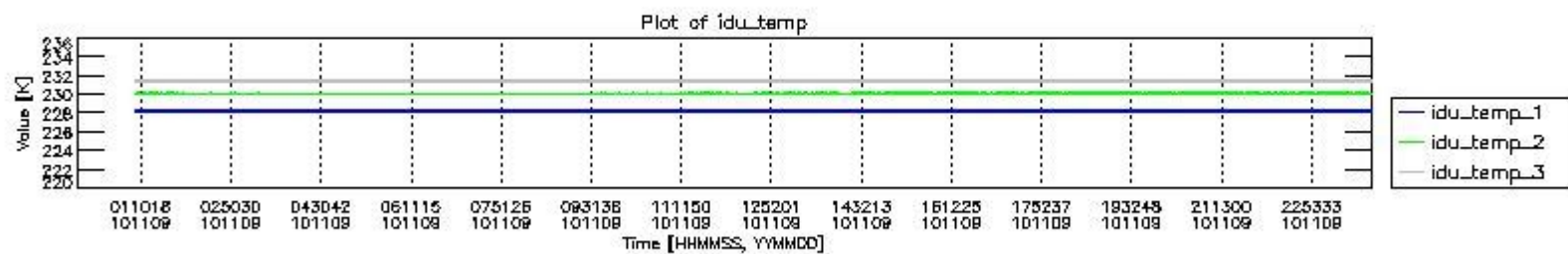
103667	1	0.0025140156
123799	1	0.0025140156
124800	36946	92.882822
124803	2822	7.0945521
125512	1	0.0025140156
126224	1	0.0025140156
127085	1	0.0025140156
147217	1	0.0025140156
149502	1	0.0025140156



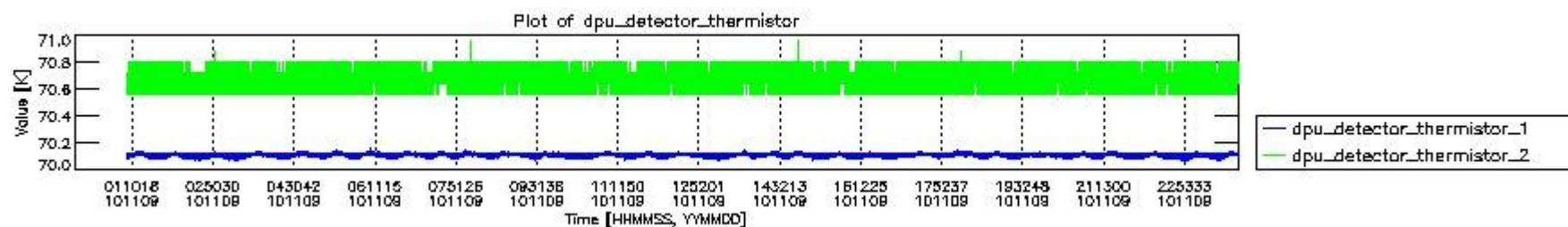
mipas_daily_report_level0_KSPT_L0_4504_N_20101109_0.PNG



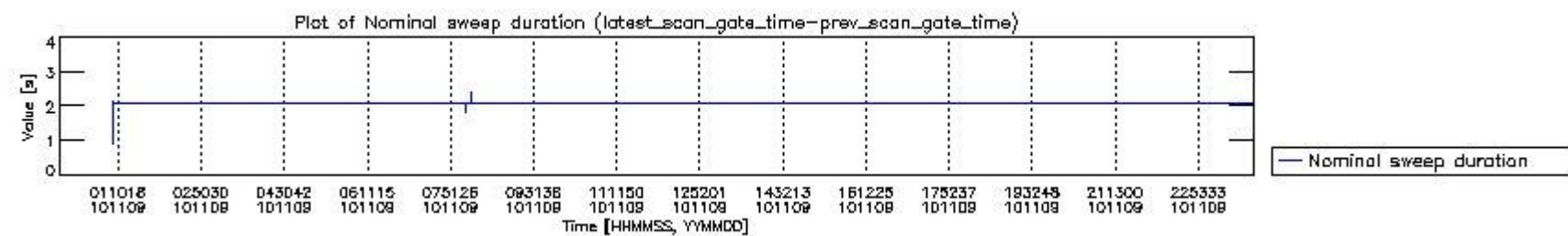
mipas_daily_report_level0_KSPT_L0_4504_N_20101109_1.PNG



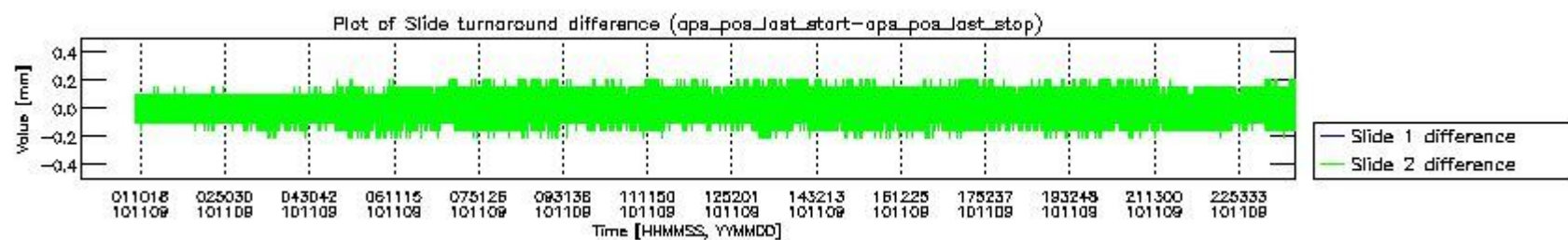
mipas_daily_report_level0_KSPT_L0_4504_N_20101109_2.PNG



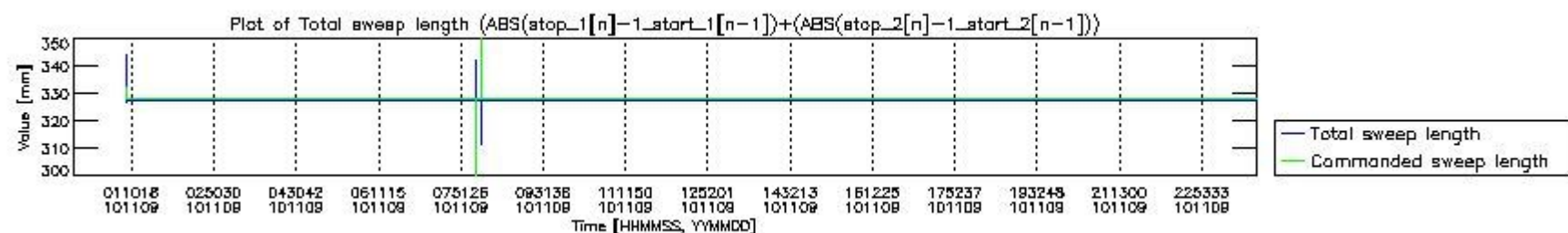
mipas_daily_report_level0_KSPT_L0_4504_N_20101109_3.PNG



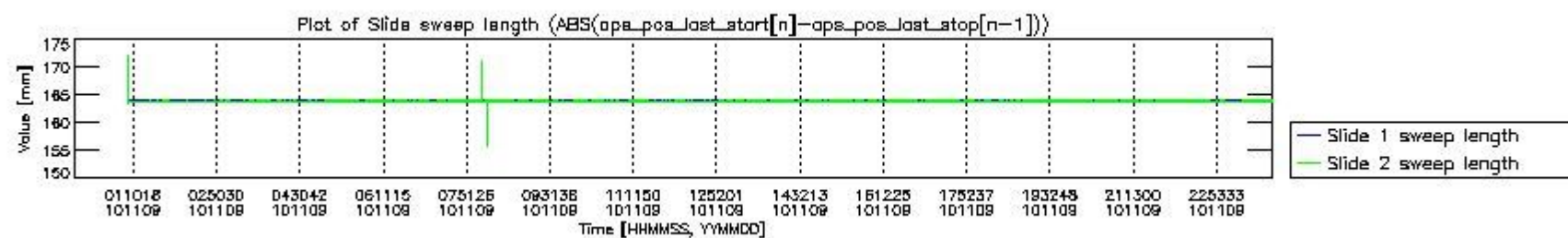
mipas_daily_report_level0_KSPT_L0_4504_N_20101109_4.PNG



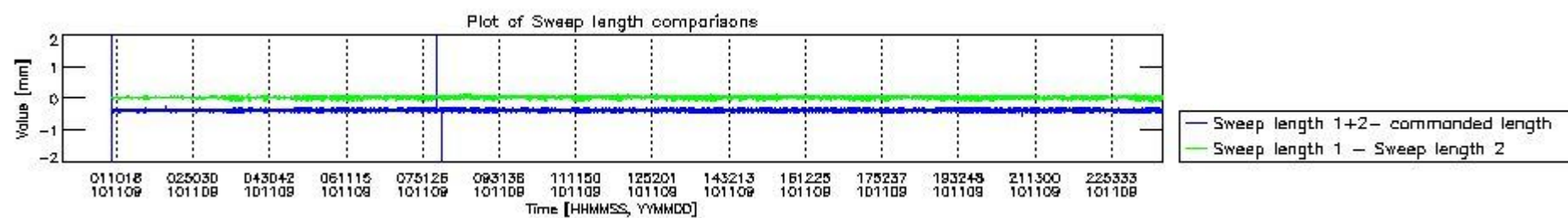
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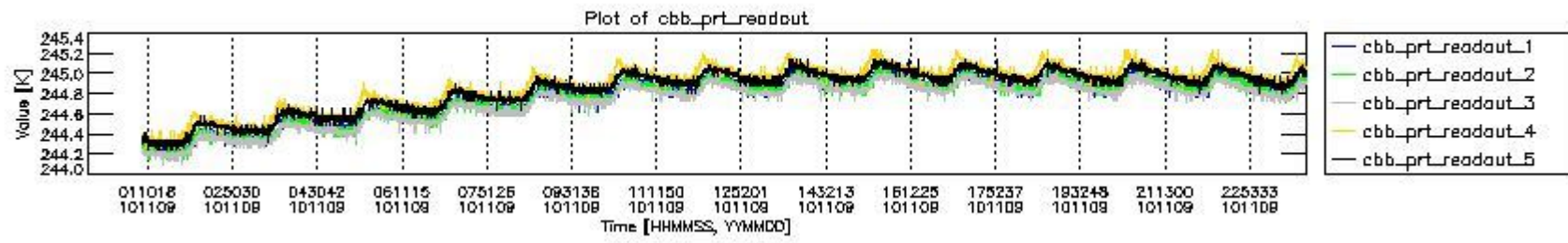
mipas_daily_report_level0_KSPT_L0_4504_N_20101109_6.PNG



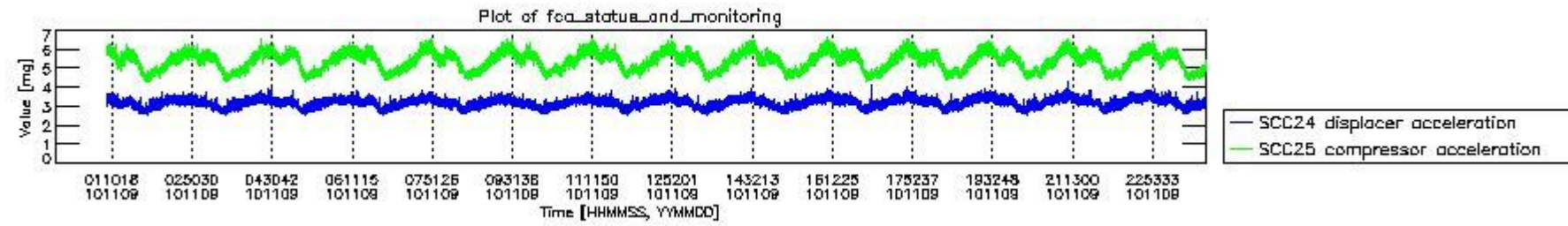
mipas_daily_report_level0_KSPT_L0_4504_N_20101109_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101109_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101109_9.PNG

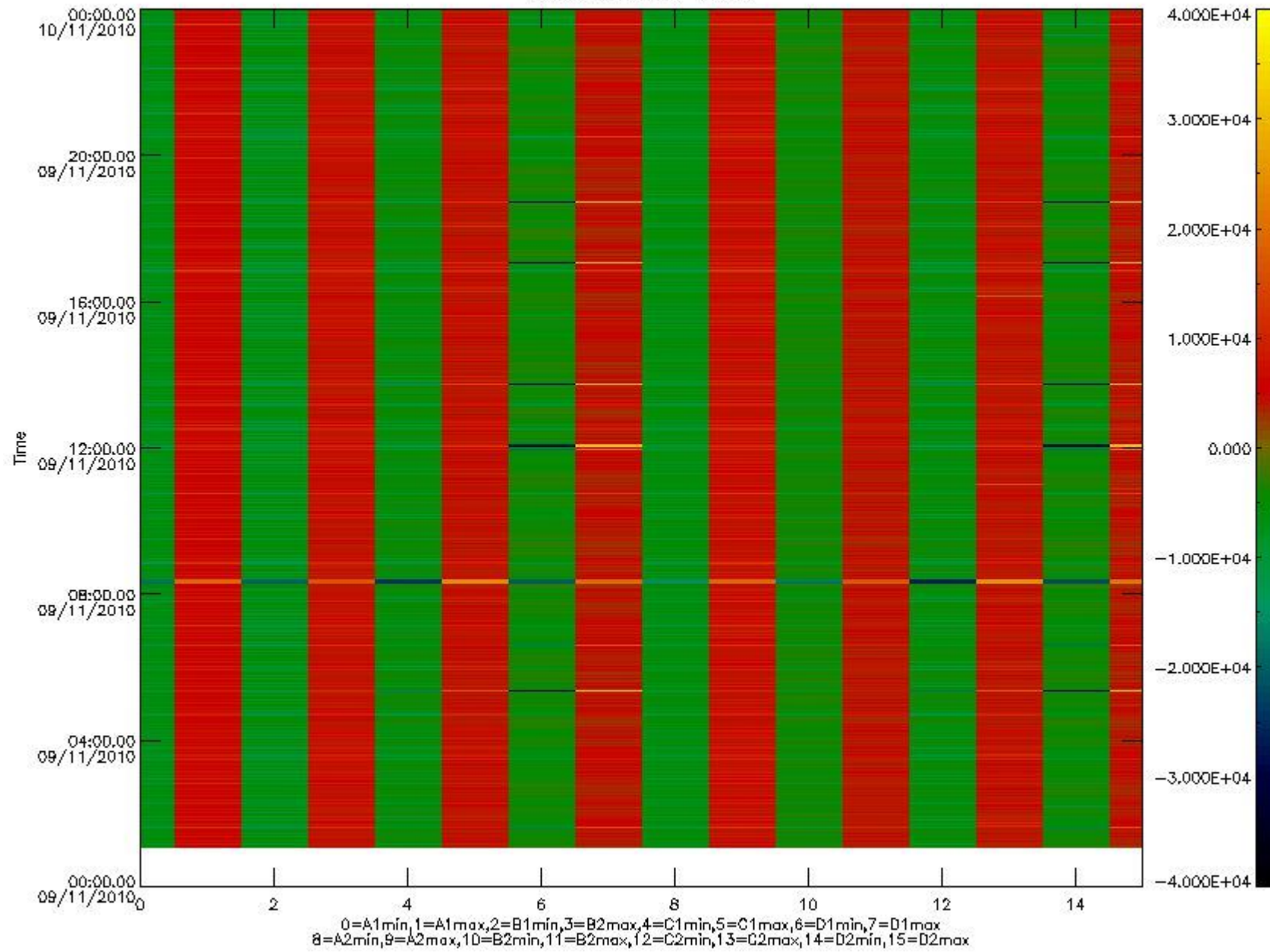


mipas_daily_report_level0_KSPT_L0_4504_N_20101109_10.PNG

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

Channel	Min	Max	ADC
A1	-18649	19881	16bit
B1	-20644	17752	16bit
C1	-25136	25054	16bit
D1	-32768	32767	16bit
A2	-16086	19958	16bit
B2	-18798	18382	16bit
C2	-26131	25768	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101109_11.PNG

0.3 ADF monitoring

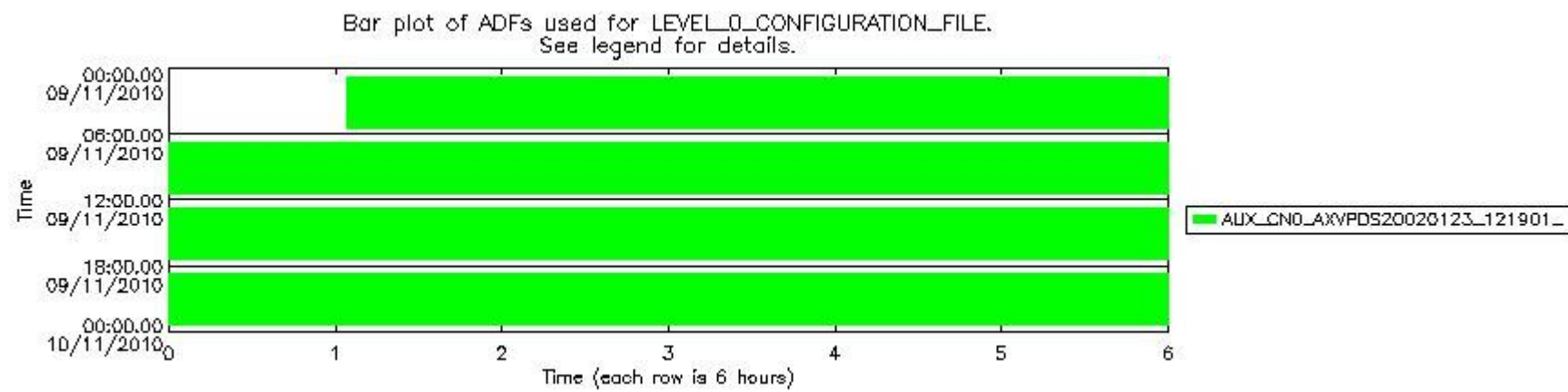
The use of ADFs is shown in two ways:

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.

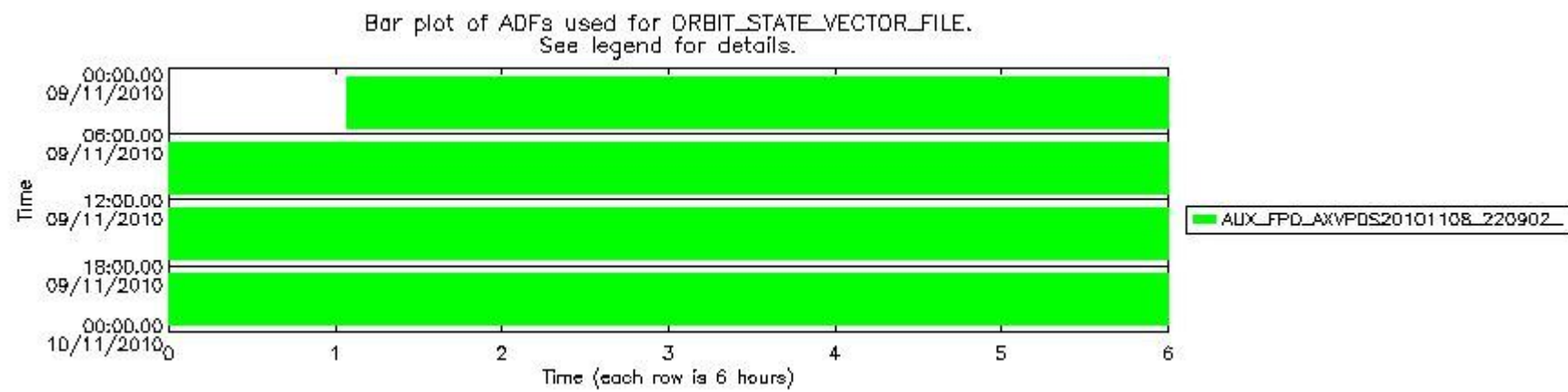
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101108_220902_20101108_193740_20101118_201121

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101109_010414_000035953096_00175_45448_1814.N1	0	1

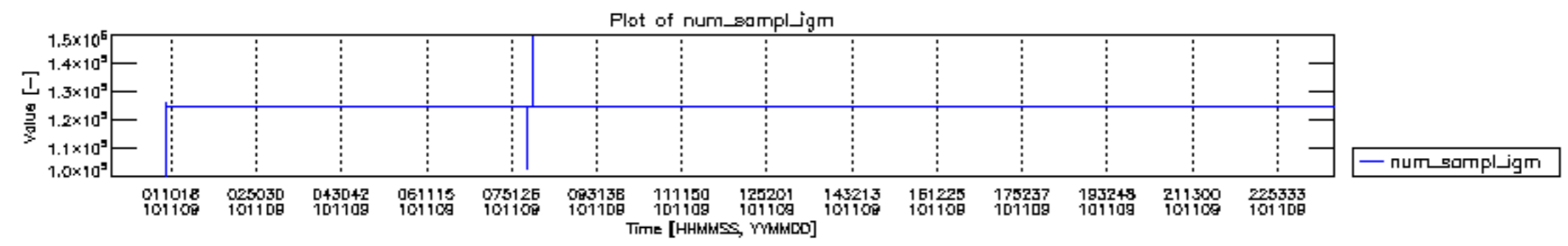
1	MIP_NL__0PNPDE20101109_020311_000045103096_00175_45448_1815.N1	0	1
2	MIP_NL__0PNPDE20101109_031747_000061923096_00176_45449_1816.N1	0	1
3	MIP_NL__0PNPDE20101109_050026_000060293096_00177_45450_1817.N1	0	1
4	MIP_NL__0PNPDK20101109_064022_000039193096_00178_45451_3224.N1	0	1
5	MIP_NL__0PNPDK20101109_074436_000061483096_00179_45452_3225.N1	0	1
6	MIP_NL__0PNPDK20101109_092602_000061843096_00180_45453_3226.N1	0	1
7	MIP_NL__0PNPDK20101109_110748_000059663096_00181_45454_3227.N1	0	1
8	MIP_NL__0PNPDK20101109_124616_000058983096_00182_45455_3228.N1	0	1
9	MIP_NL__0PNPDK20101109_142337_000060043096_00183_45456_3229.N1	0	1
10	MIP_NL__0PNPDK20101109_160242_000058453096_00184_45457_3230.N1	0	1
11	MIP_NL__0PNPDK20101109_173907_000059563096_00185_45458_3231.N1	0	1
12	MIP_NL__0PNPDK20101109_191722_000061343096_00186_45459_3232.N1	0	1
13	MIP_NL__0PNPDE20101109_205835_000043223096_00187_45460_1818.N1	0	1
14	MIP_NL__0PNPDE20101109_220931_000061083096_00187_45460_1819.N1	0	1
15	MIP_NL__0PNPDE20101109_235012_000058913096_00188_45461_1820.N1	0	1

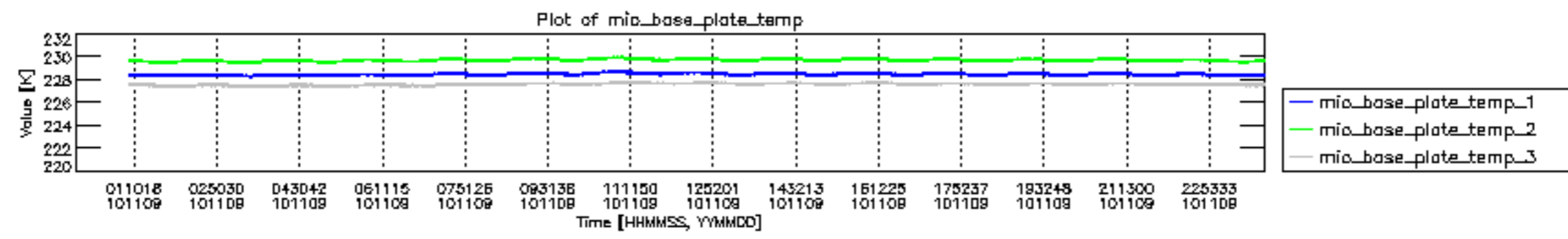


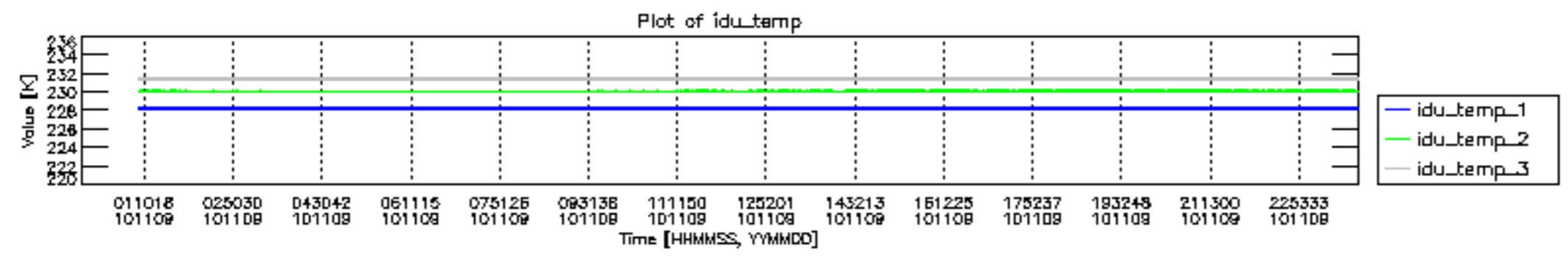
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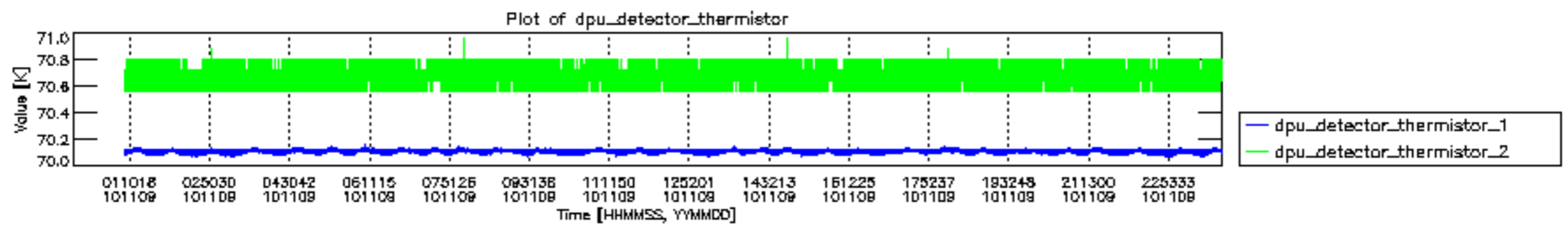


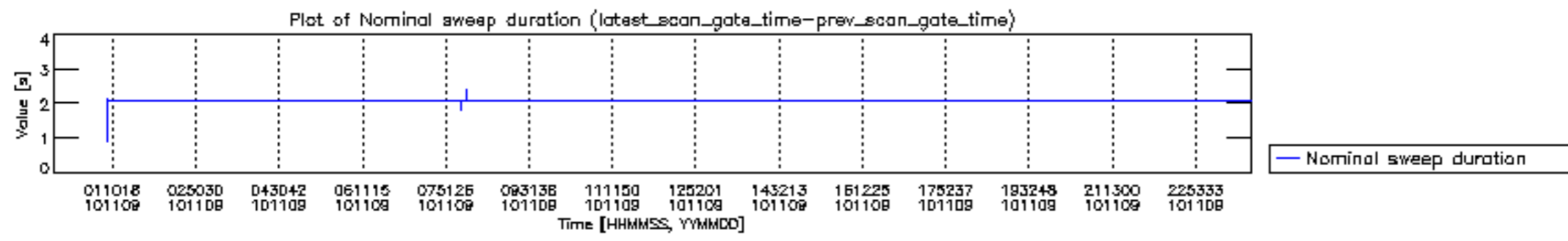
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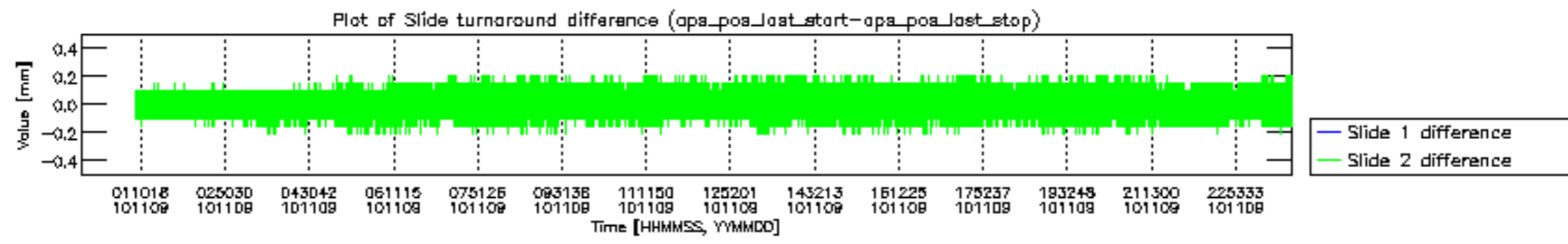


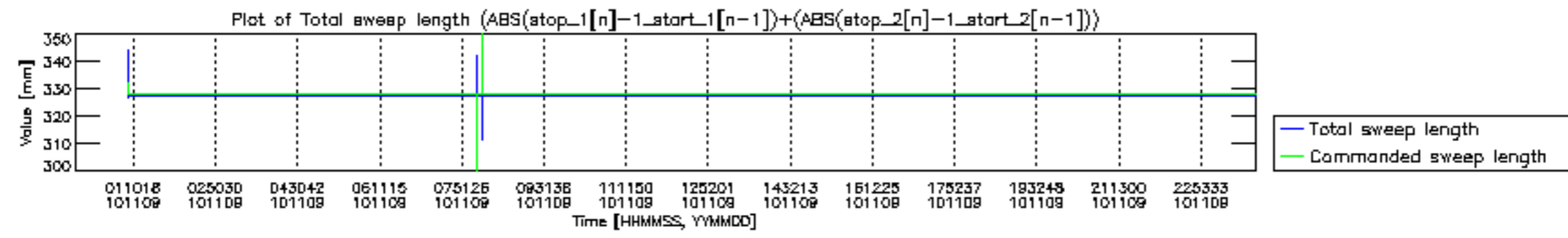


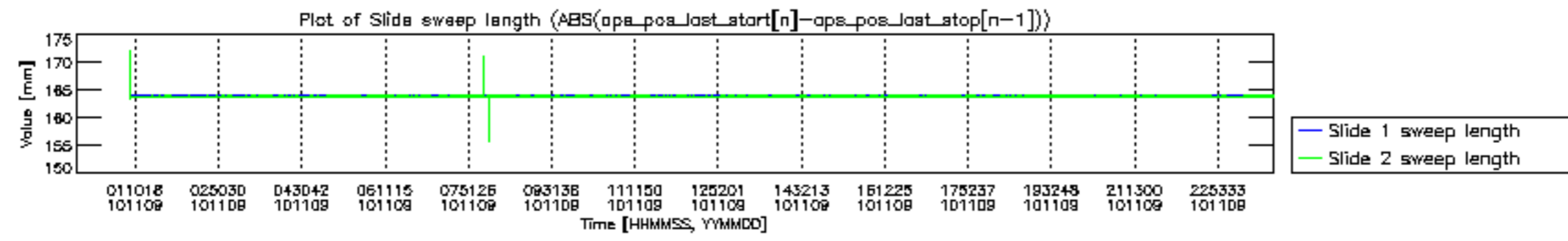


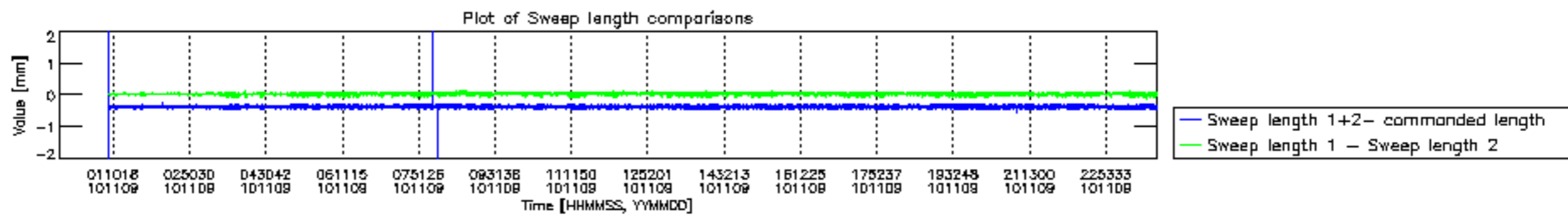


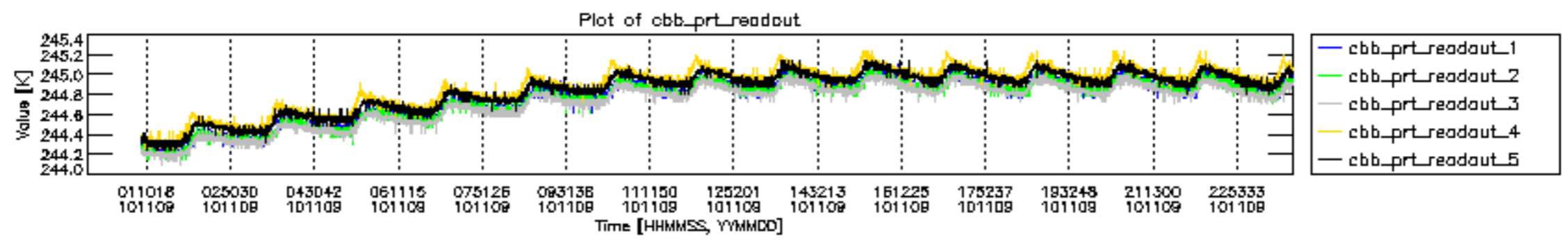


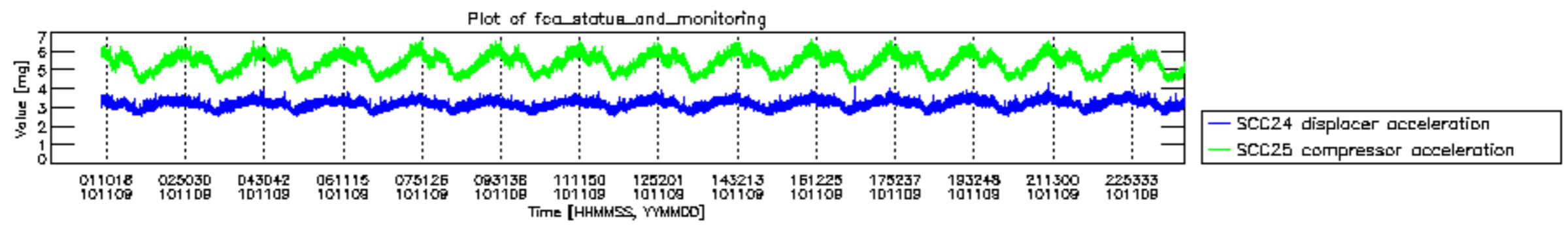












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

