

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	14JAN2012 05:25:25
Data source version	KSPT_L0/4504-N
Processing scope for products	09JAN2012 00:00:00 to 10JAN2012 00:00:00
Start time of first product within scope	09JAN2012 00:13:35
Stop time of last product within scope	10JAN2012 01:17:17
Total number of level 0 products	16
Number of level 0 products with errors	1

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__0PNPDE20120109_001335_000059003110_00260_51567_5307.N1	09JAN2012 00:13:35	09JAN2012 01:51:55	0	0	0	0	0
1	MIP_NL__0PNPDE20120109_015056_000044223110_00261_51568_5308.N1	09JAN2012 01:50:56	09JAN2012 03:04:39	0	0	0	0	0
2	MIP_NL__0PNPDE20120109_030403_000061943110_00262_51569_5309.N1	09JAN2012 03:04:03	09JAN2012 04:47:17	1	1	0	0	0
3	MIP_NL__0PNPDE20120109_044644_000060023110_00263_51570_5310.N1	09JAN2012 04:46:44	09JAN2012 06:26:45	0	0	0	0	0
4	MIP_NL__0PNPDK20120109_062612_000041383110_00264_51571_8224.N1	09JAN2012 06:26:12	09JAN2012 07:35:10	0	0	0	0	0
5	MIP_NL__0PNPDK20120109_073410_000060643110_00265_51572_8225.N1	09JAN2012 07:34:10	09JAN2012 09:15:14	0	0	0	0	0
6	MIP_NL__0PNPDK20120109_091334_000059793110_00266_51573_8226.N1	09JAN2012 09:13:34	09JAN2012 10:53:12	0	0	0	0	0
7	MIP_NL__0PNPDK20120109_105147_000060313110_00267_51574_8227.N1	09JAN2012 10:51:47	09JAN2012 12:32:18	0	0	0	0	0
8	MIP_NL__0PNPDK20120109_123117_000060253110_00268_51575_8228.N1	09JAN2012 12:31:17	09JAN2012 14:11:42	0	0	0	0	0
9	MIP_NL__0PNPDK20120109_141043_000059043110_00269_51576_8229.N1	09JAN2012 14:10:43	09JAN2012 15:49:07	0	0	0	0	0
10	MIP_NL__0PNPDK20120109_154819_000058243110_00270_51577_8230.N1	09JAN2012 15:48:19	09JAN2012 17:25:23	0	0	0	0	0
11	MIP_NL__0PNPDK20120109_172416_000060583110_00271_51578_8231.N1	09JAN2012 17:24:16	09JAN2012 19:05:14	0	0	0	0	0
12	MIP_NL__0PNPDK20120109_190302_000060983110_00272_51579_8232.N1	09JAN2012 19:03:02	09JAN2012 20:44:40	0	0	0	0	0
13	MIP_NL__0PNPDE20120109_204225_000044023110_00273_51580_5311.N1	09JAN2012 20:42:25	09JAN2012 21:55:46	0	0	0	0	0
14	MIP_NL__0PNPDE20120109_215448_000060983110_00273_51580_5312.N1	09JAN2012 21:54:48	09JAN2012 23:36:25	0	0	0	0	0
15	MIP_NL__0PNPDE20120109_233521_000061173110_00274_51581_5313.N1	09JAN2012 23:35:21	10JAN2012 01:17:17	0	0	0	0	0

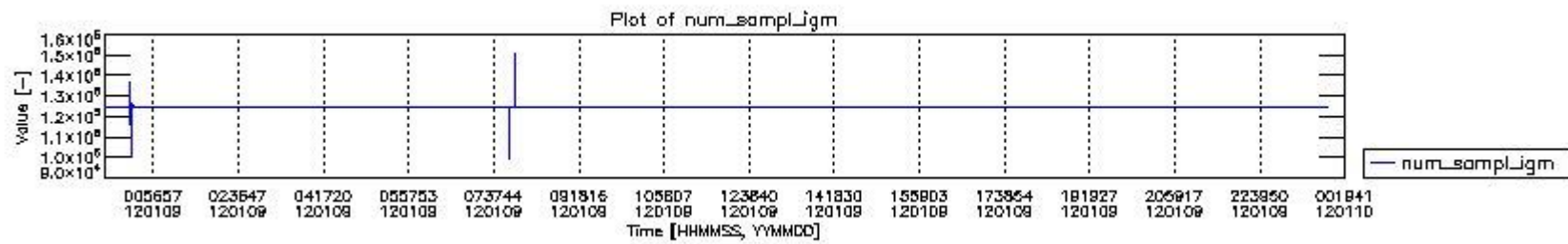
0.2 Instrument Operational Performance Parameters

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.

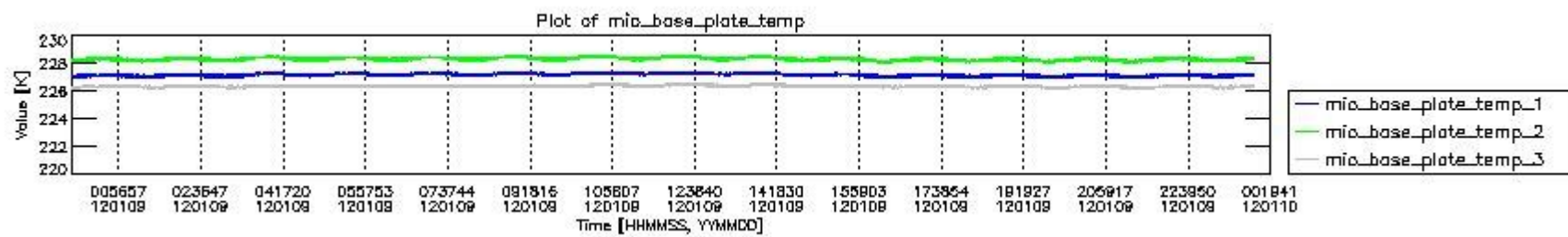
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99098	1	0.0024038462
100557	1	0.0024038462

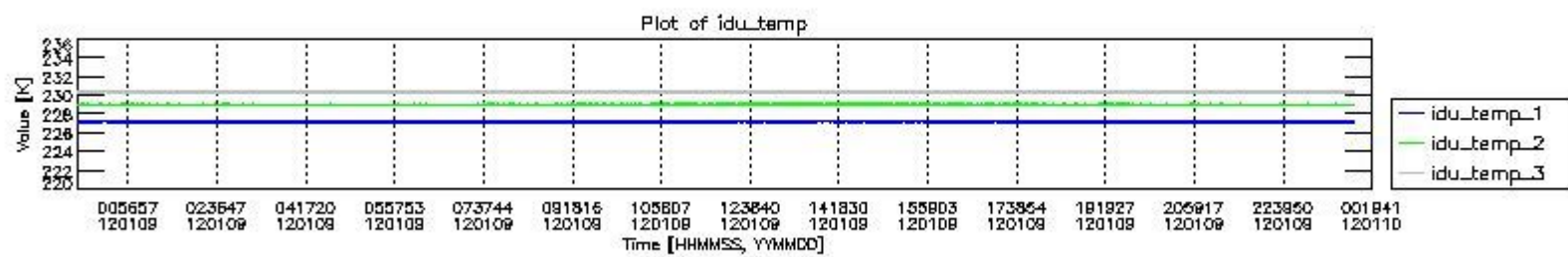
101883	1	0.0024038462
116305	1	0.0024038462
122015	1	0.0024038462
124800	39210	94.254808
124803	2378	5.7163462
125809	1	0.0024038462
126818	1	0.0024038462
127828	1	0.0024038462
127942	1	0.0024038462
136437	1	0.0024038462
147960	1	0.0024038462
150988	1	0.0024038462



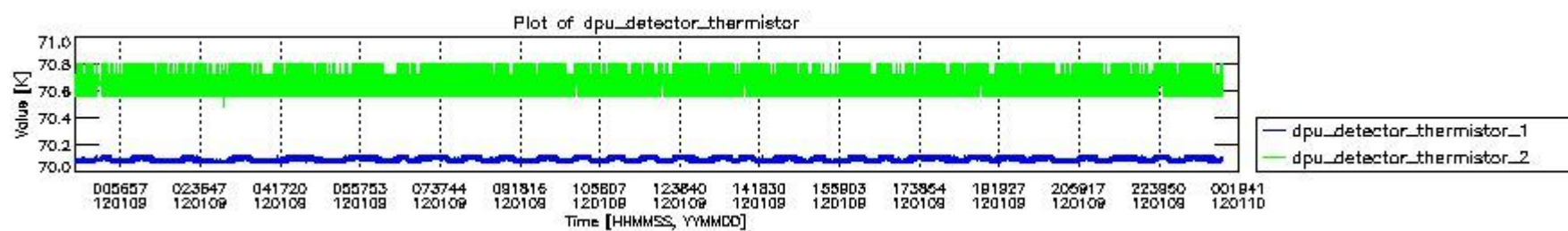
mipas_daily_report_level0_KSPT_L0_4504_N_20120109_0.PNG



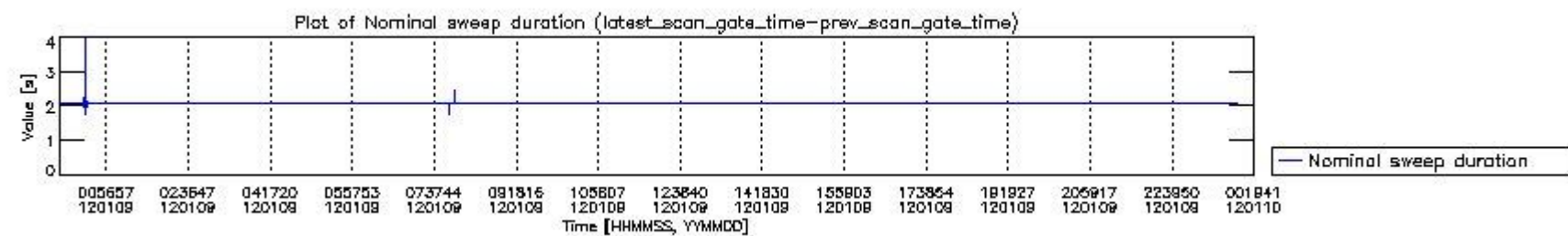
mipas_daily_report_level0_KSPT_L0_4504_N_20120109_1.PNG



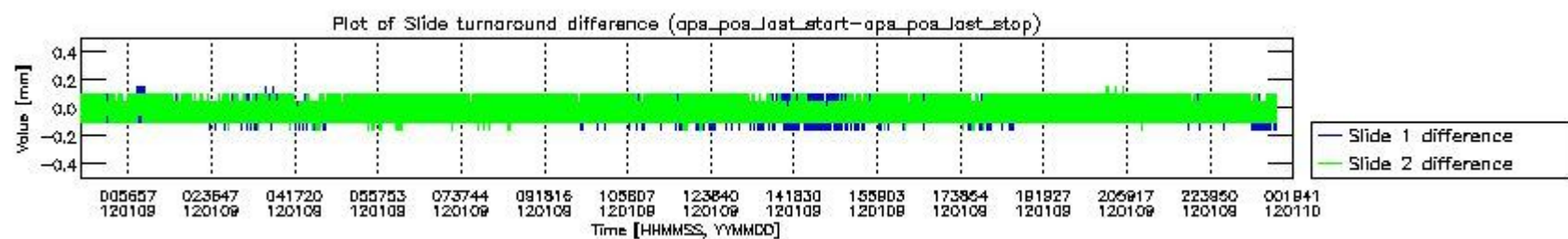
mipas_daily_report_level0_KSPT_L0_4504_N_20120109_2.PNG



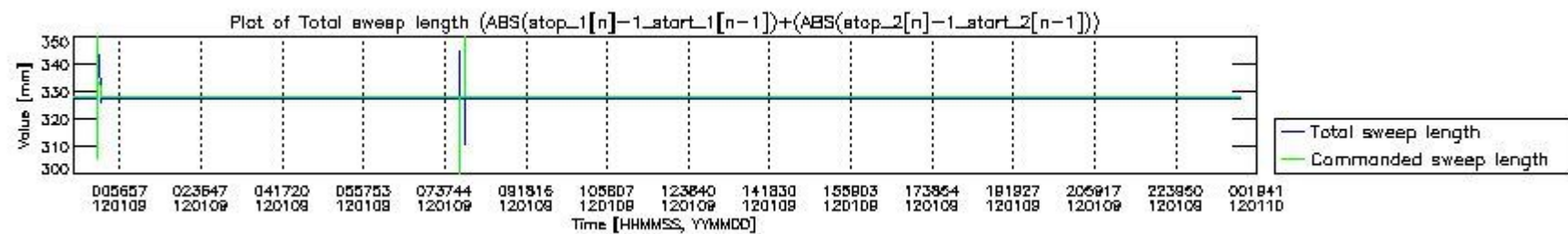
mipas_daily_report_level0_KSPT_L0_4504_N_20120109_3.PNG



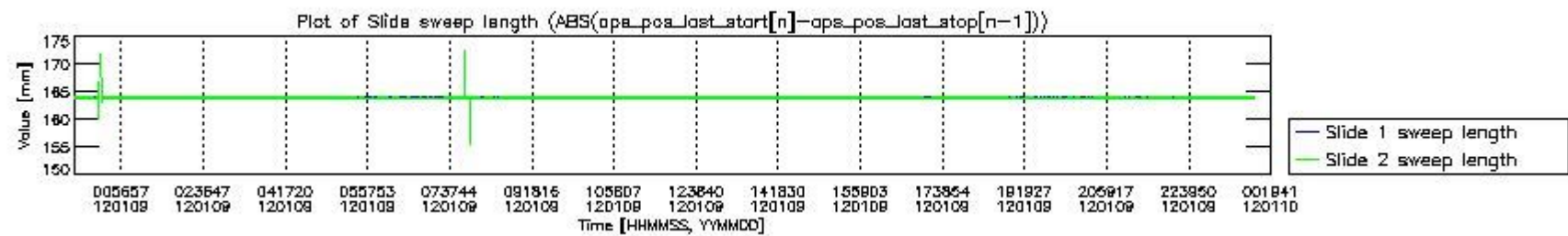
mipas_daily_report_level0_KSPT_L0_4504_N_20120109_4.PNG



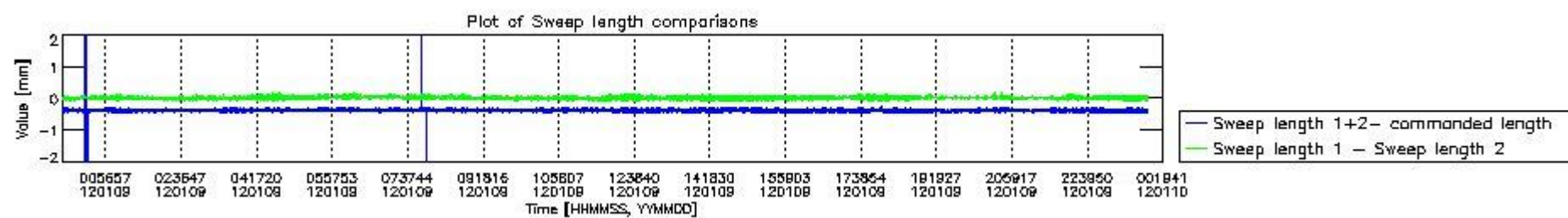
mipas_daily_report_level0_KSPT_L0_4504_N_20120109_5.PNG



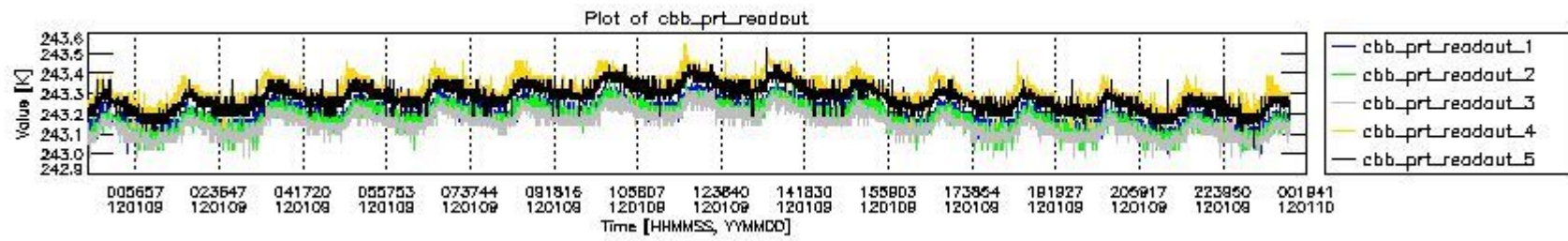
mipas_daily_report_level0_KSPT_L0_4504_N_20120109_6.PNG



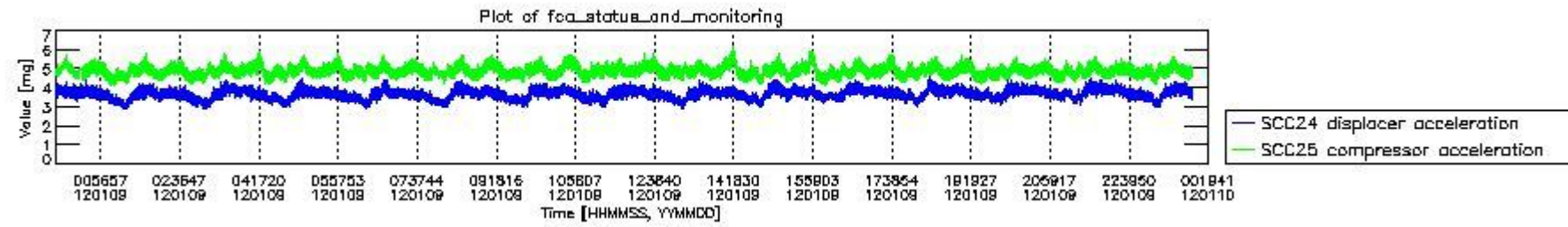
mipas_daily_report_level0_KSPT_L0_4504_N_20120109_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120109_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120109_9.PNG

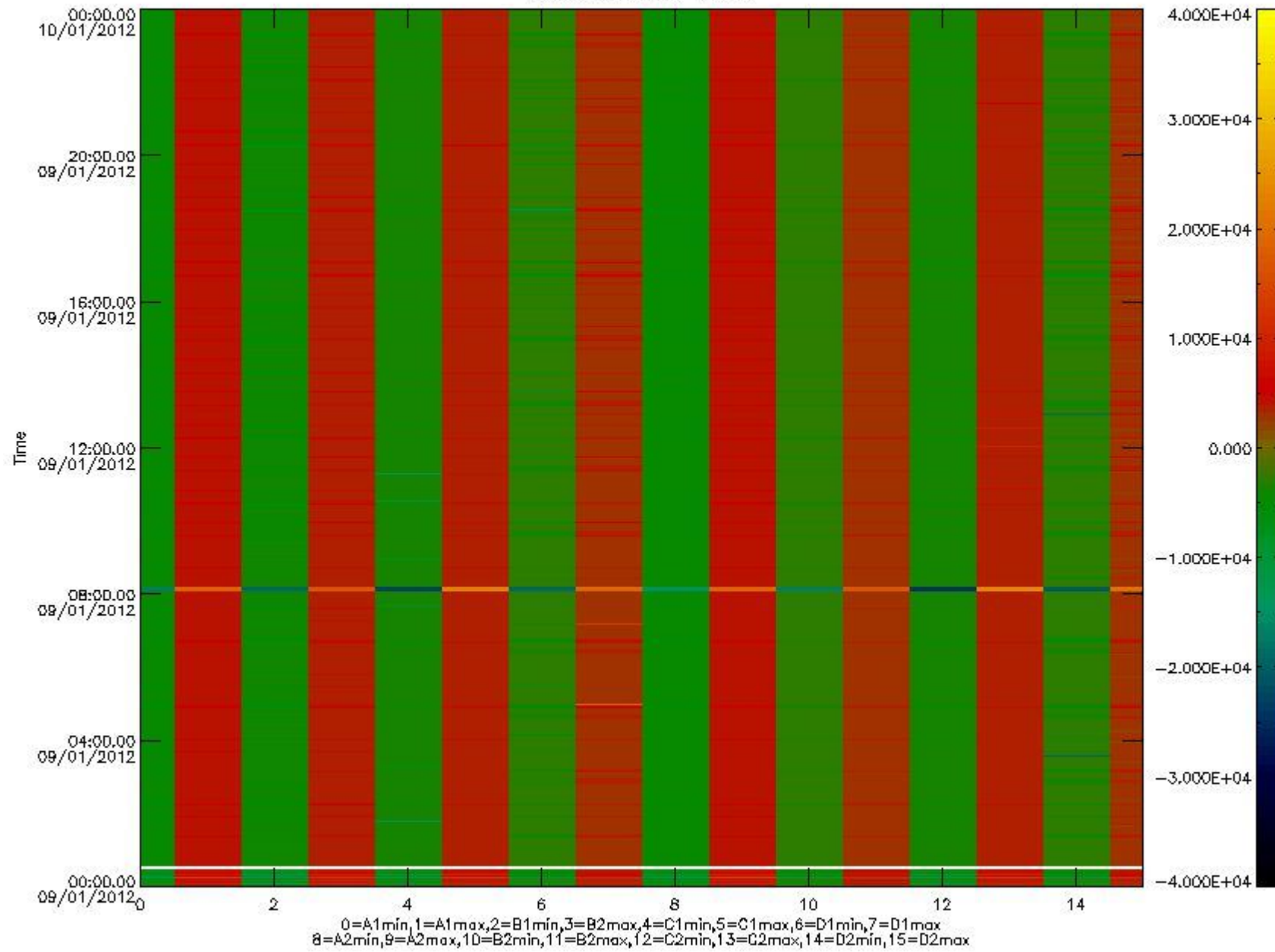


mipas_daily_report_level0_KSPT_L0_4504_N_20120109_10.PNG

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

Channel	Min	Max	ADC
A1	-17717	18723	16bit
B1	-19703	17018	16bit
C1	-24995	23366	16bit
D1	-19843	32767	16bit
A2	-15411	18917	16bit
B2	-17504	17234	16bit
C2	-24526	24047	16bit
D2	-32768	21212	16bit

MIPNL0P_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120109_11.PNG

0.3 ADF monitoring

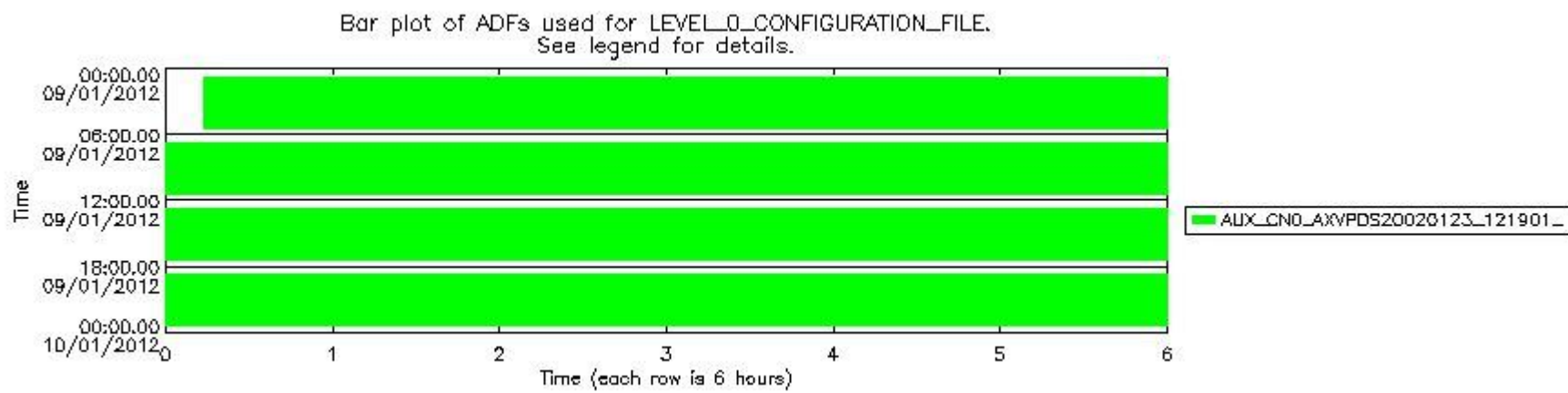
The use of ADFs is shown in two ways:

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.

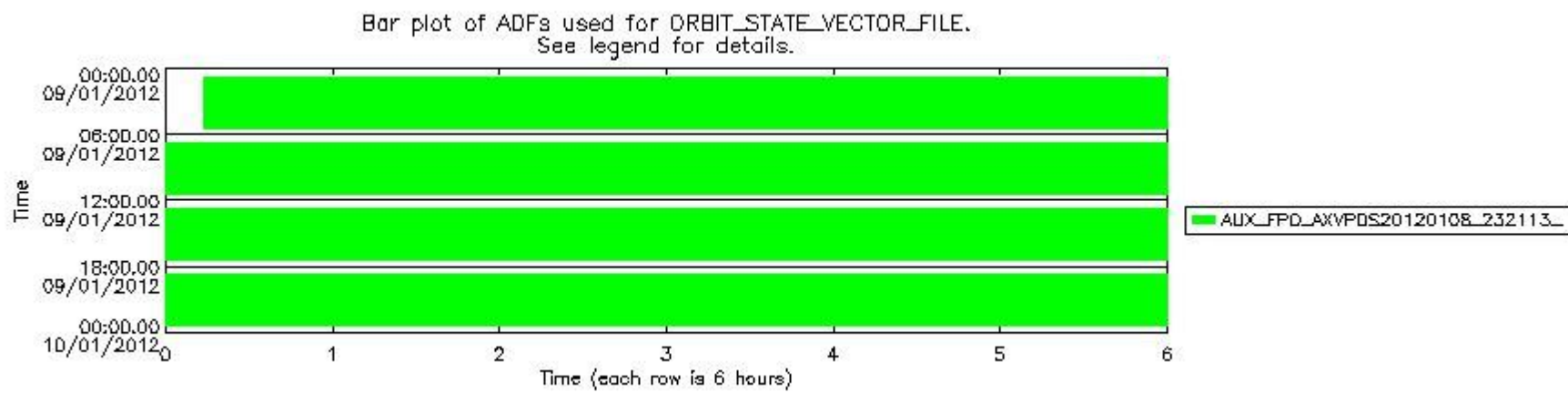
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120108_232113_20120108_192406_20120118_213745

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120109_001335_000059003110_00260_51567_5307.N1	0	1

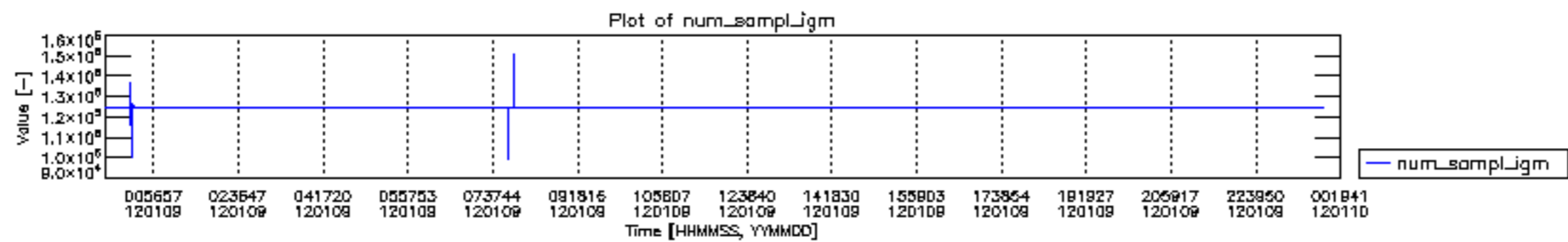
1	MIP_NL__0PNPDE20120109_015056_000044223110_00261_51568_5308.N1	0	1
2	MIP_NL__0PNPDE20120109_030403_000061943110_00262_51569_5309.N1	0	1
3	MIP_NL__0PNPDE20120109_044644_000060023110_00263_51570_5310.N1	0	1
4	MIP_NL__0PNPDK20120109_062612_000041383110_00264_51571_8224.N1	0	1
5	MIP_NL__0PNPDK20120109_073410_000060643110_00265_51572_8225.N1	0	1
6	MIP_NL__0PNPDK20120109_091334_000059793110_00266_51573_8226.N1	0	1
7	MIP_NL__0PNPDK20120109_105147_000060313110_00267_51574_8227.N1	0	1
8	MIP_NL__0PNPDK20120109_123117_000060253110_00268_51575_8228.N1	0	1
9	MIP_NL__0PNPDK20120109_141043_000059043110_00269_51576_8229.N1	0	1
10	MIP_NL__0PNPDK20120109_154819_000058243110_00270_51577_8230.N1	0	1
11	MIP_NL__0PNPDK20120109_172416_000060583110_00271_51578_8231.N1	0	1
12	MIP_NL__0PNPDK20120109_190302_000060983110_00272_51579_8232.N1	0	1
13	MIP_NL__0PNPDE20120109_204225_000044023110_00273_51580_5311.N1	0	1
14	MIP_NL__0PNPDE20120109_215448_000060983110_00273_51580_5312.N1	0	1
15	MIP_NL__0PNPDE20120109_233521_000061173110_00274_51581_5313.N1	0	1

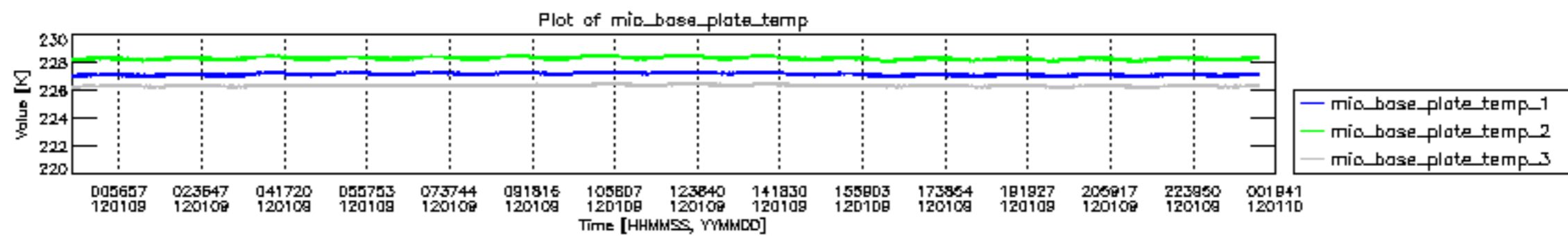


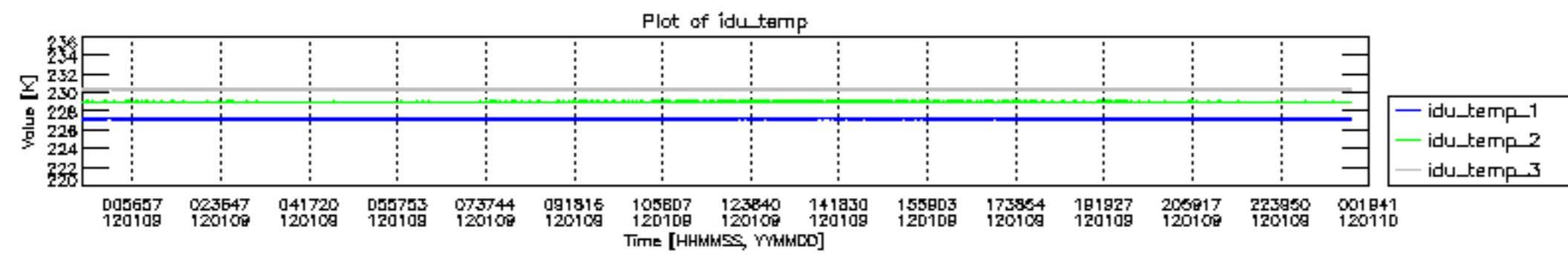
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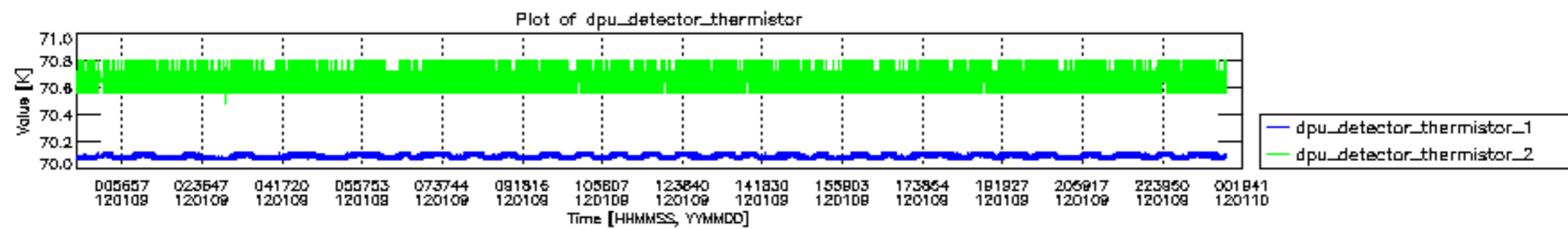


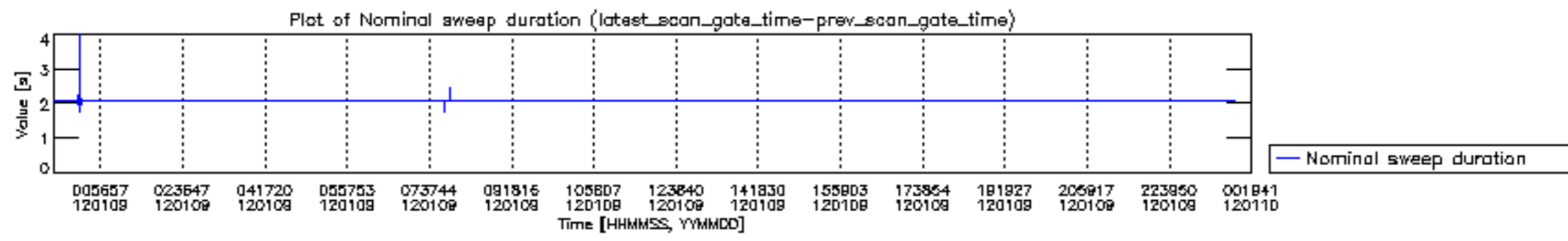
mipas_daily_report_level0_KSPT_L0_4504_N_20120109_13.PNG

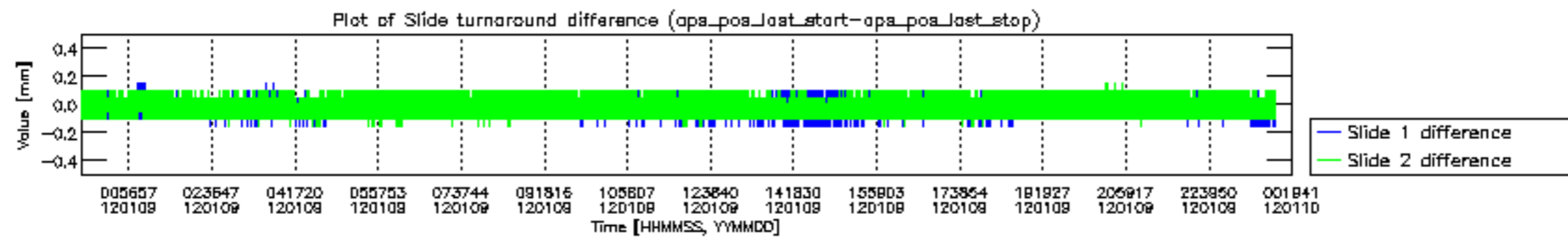


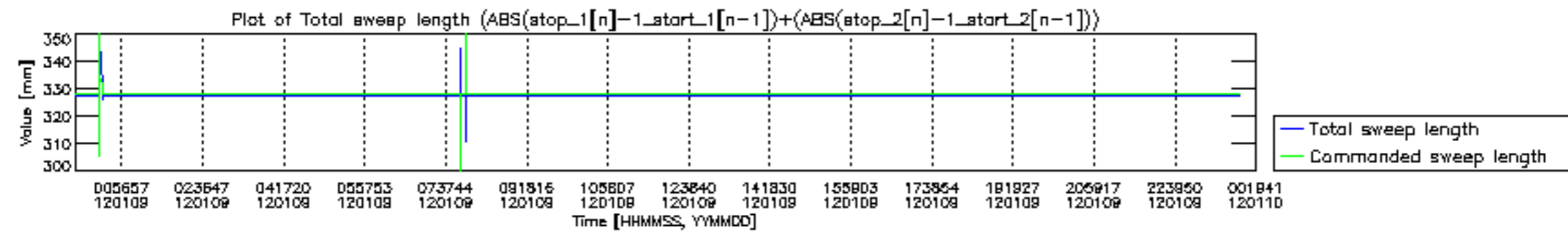


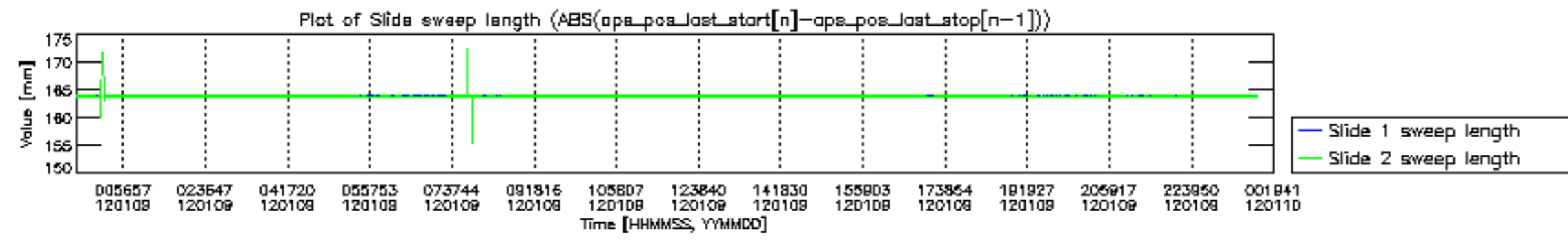


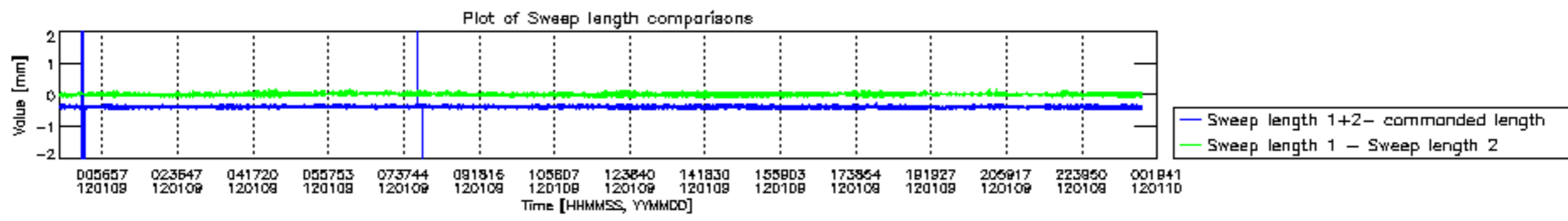


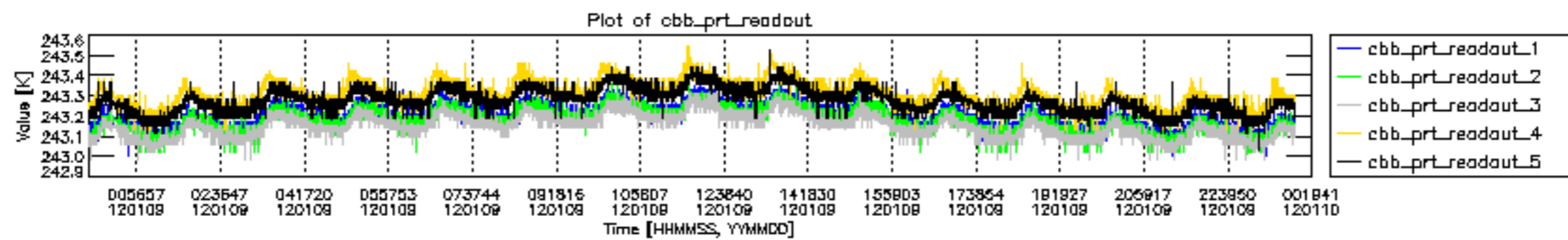


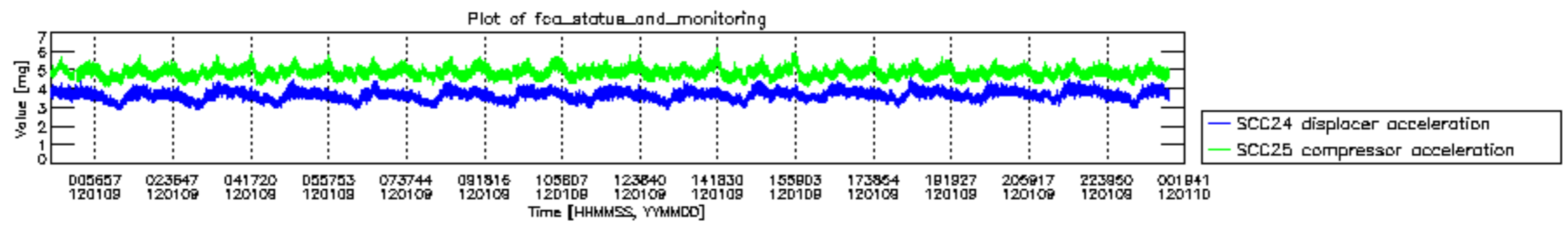












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

