

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	09NOV2011 05:24:44
Data source version	KSPT_L0/4504-N
Processing scope for products	04NOV2011 00:00:00 to 05NOV2011 00:00:00
Start time of first product within scope	04NOV2011 00:32:05
Stop time of last product within scope	05NOV2011 01:34:58
Total number of level 0 products	15
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__0PNPDE20111104_003205_000059683108_00174_50619_9937.N1	04NOV2011 00:32:05	04NOV2011 02:11:34	0	0	0	0	0
1	MIP_NL__0PNPDE20111104_021033_000044523108_00175_50620_9938.N1	04NOV2011 02:10:33	04NOV2011 03:24:45	0	0	0	0	0
2	MIP_NL__0PNPDE20111104_032411_000061103108_00176_50621_9939.N1	04NOV2011 03:24:11	04NOV2011 05:06:02	0	0	0	0	0
3	MIP_NL__0PNPDE20111104_050528_000060983108_00177_50622_9940.N1	04NOV2011 05:05:28	04NOV2011 06:47:06	0	0	0	0	0
4	MIP_NL__0PNPDK20111104_064633_000040843108_00178_50623_7431.N1	04NOV2011 06:46:33	04NOV2011 07:54:37	0	0	0	0	0
5	MIP_NL__0PNPDK20111104_075338_000060623108_00179_50624_7432.N1	04NOV2011 07:53:38	04NOV2011 09:34:41	0	0	0	0	0
6	MIP_NL__0PNPDK20111104_093302_000060443108_00180_50625_7433.N1	04NOV2011 09:33:02	04NOV2011 11:13:46	0	0	0	0	0
7	MIP_NL__0PNPDK20111104_111206_000060833108_00181_50626_7434.N1	04NOV2011 11:12:06	04NOV2011 12:53:29	0	0	0	0	0
8	MIP_NL__0PNPDK20111104_142809_000060583108_00183_50628_7436.N1	04NOV2011 14:28:09	04NOV2011 16:09:07	0	0	0	0	0
9	MIP_NL__0PNPDK20111104_160817_000058973108_00184_50629_7437.N1	04NOV2011 16:08:17	04NOV2011 17:46:34	0	0	0	0	0
10	MIP_NL__0PNPDK20111104_174534_000059393108_00185_50630_7438.N1	04NOV2011 17:45:34	04NOV2011 19:24:33	0	0	0	0	0
11	MIP_NL__0PNPDK20111104_192240_000060893108_00186_50631_7439.N1	04NOV2011 19:22:40	04NOV2011 21:04:09	0	0	0	0	0
12	MIP_NL__0PNPDE20111104_210210_000044453108_00187_50632_9941.N1	04NOV2011 21:02:10	04NOV2011 22:16:16	0	0	0	0	0
13	MIP_NL__0PNPDE20111104_221509_000061673108_00187_50632_9942.N1	04NOV2011 22:15:09	04NOV2011 23:57:56	0	0	0	0	0
14	MIP_NL__0PNPDE20111104_235649_000058893108_00188_50633_9943.N1	04NOV2011 23:56:49	05NOV2011 01:34:58	0	0	0	0	0

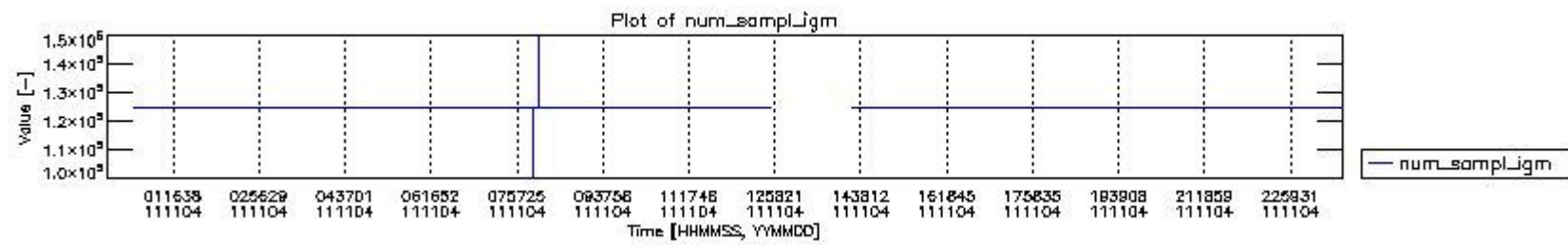
0.2 Instrument Operational Performance Parameters

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.

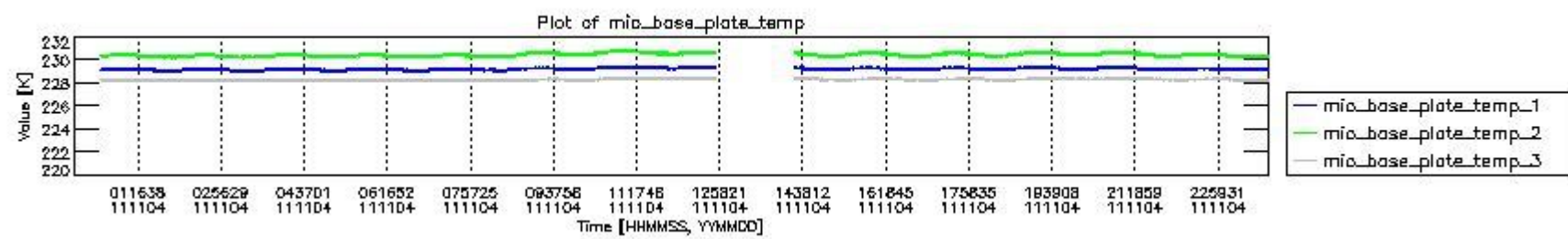
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100138	1	0.0026303330
102403	1	0.0026303330
122535	1	0.0026303330

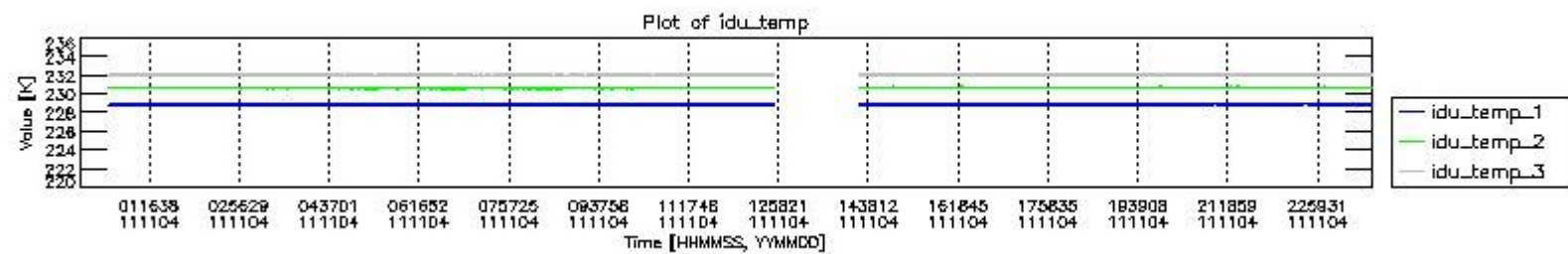
124800	35314	92.887580
124803	2698	7.0966384
127010	1	0.0026303330
147142	1	0.0026303330
149352	1	0.0026303330



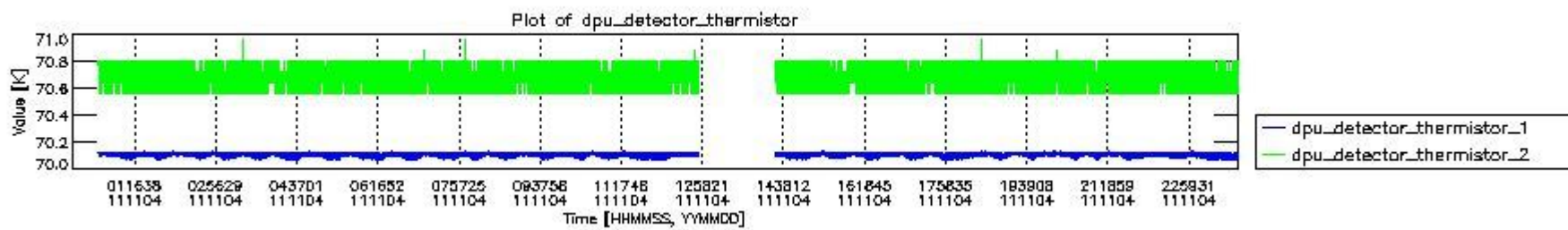
mipas_daily_report_level0_KSPT_L0_4504_N_20111104_0.PNG



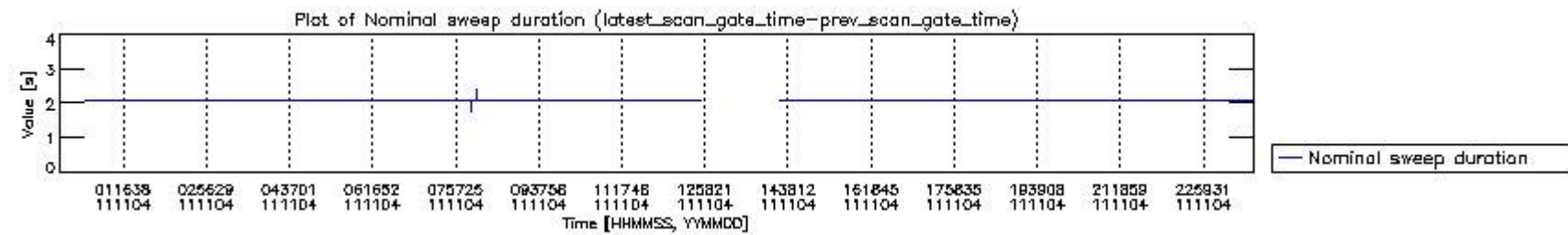
mipas_daily_report_level0_KSPT_L0_4504_N_20111104_1.PNG



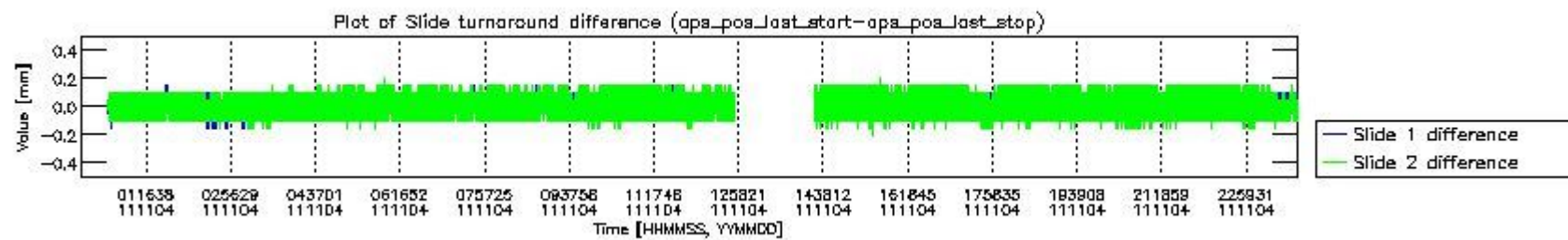
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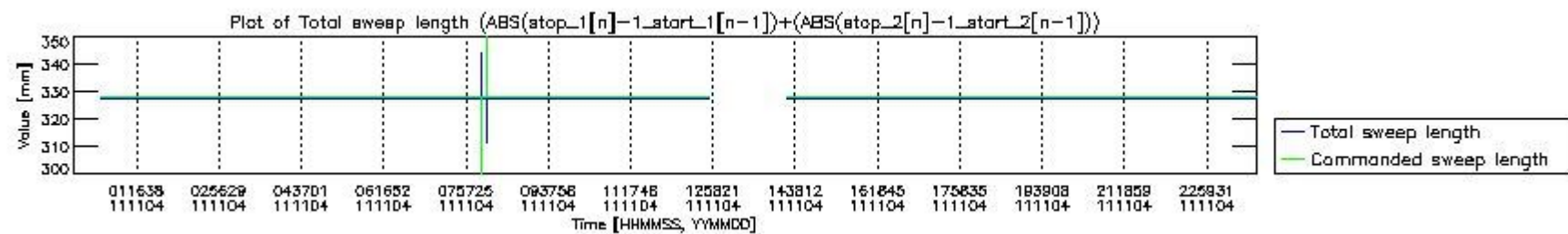
mipas_daily_report_level0_KSPT_L0_4504_N_20111104_3.PNG



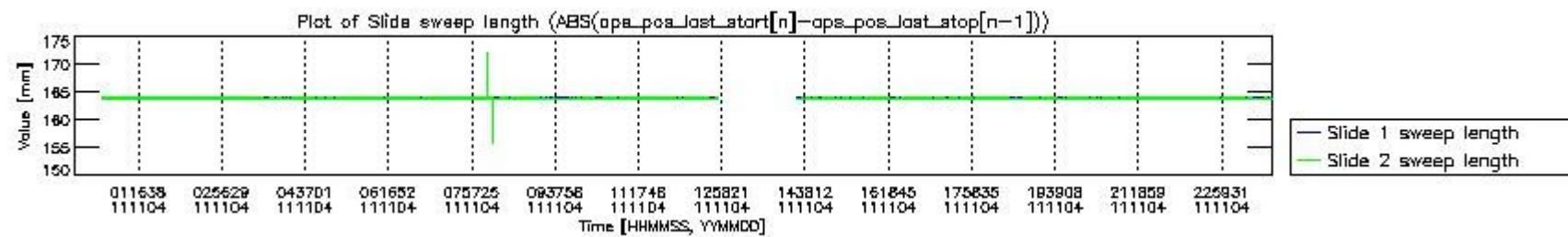
mipas_daily_report_level0_KSPT_L0_4504_N_20111104_4.PNG



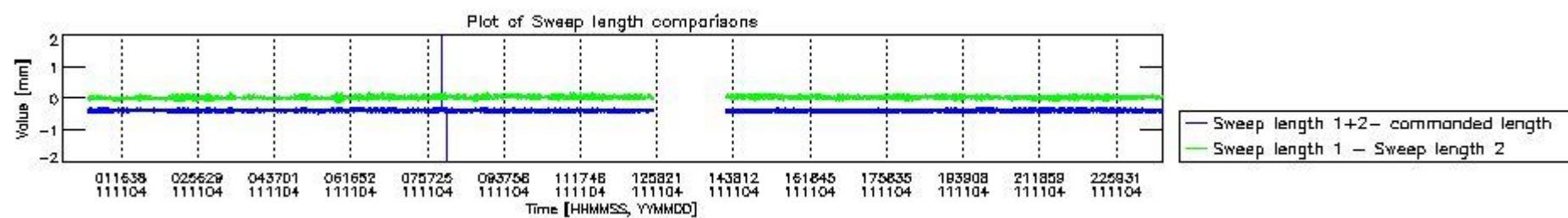
mipas_daily_report_level0_KSPT_L0_4504_N_20111104_5.PNG



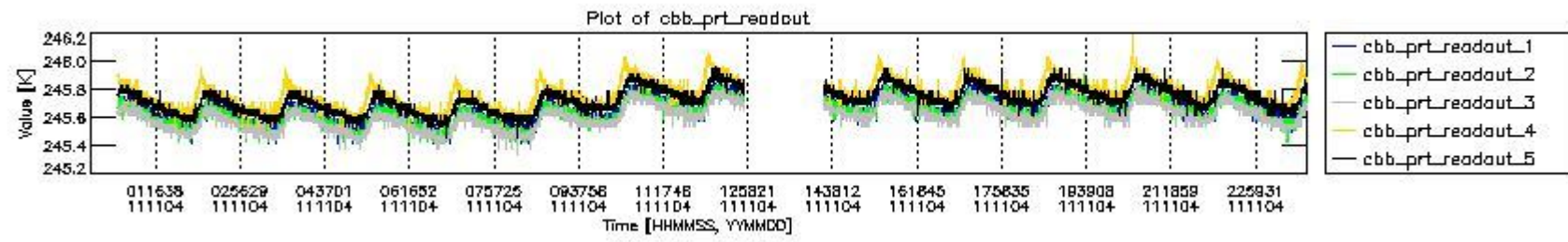
mipas_daily_report_level0_KSPT_L0_4504_N_20111104_6.PNG



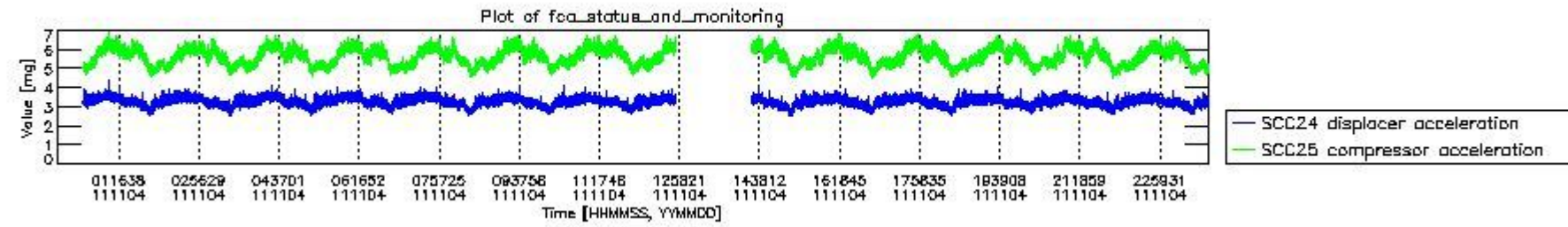
mipas_daily_report_level0_KSPT_L0_4504_N_20111104_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111104_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111104_9.PNG

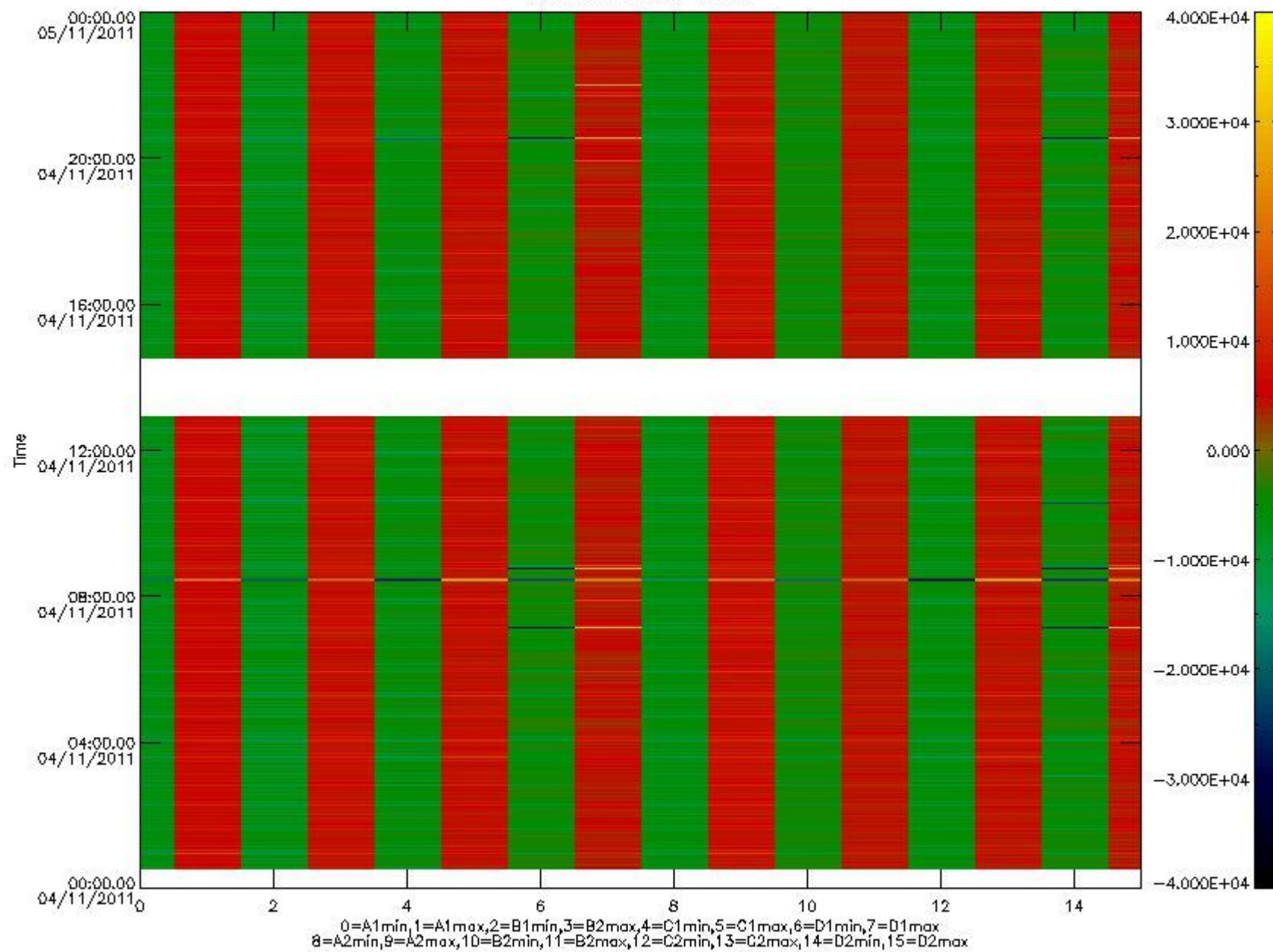


mipas_daily_report_level0_KSPT_L0_4504_N_20111104_10.PNG

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

Channel	Min	Max	ADC
A1	-18555	19683	16bit
B1	-20892	17935	16bit
C1	-25874	25712	16bit
D1	-32768	32767	16bit
A2	-16039	19845	16bit
B2	-18892	18499	16bit
C2	-26873	26466	16bit
D2	-32768	32767	16bit

MIPNL0P_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111104_11.PNG

0.3 ADF monitoring

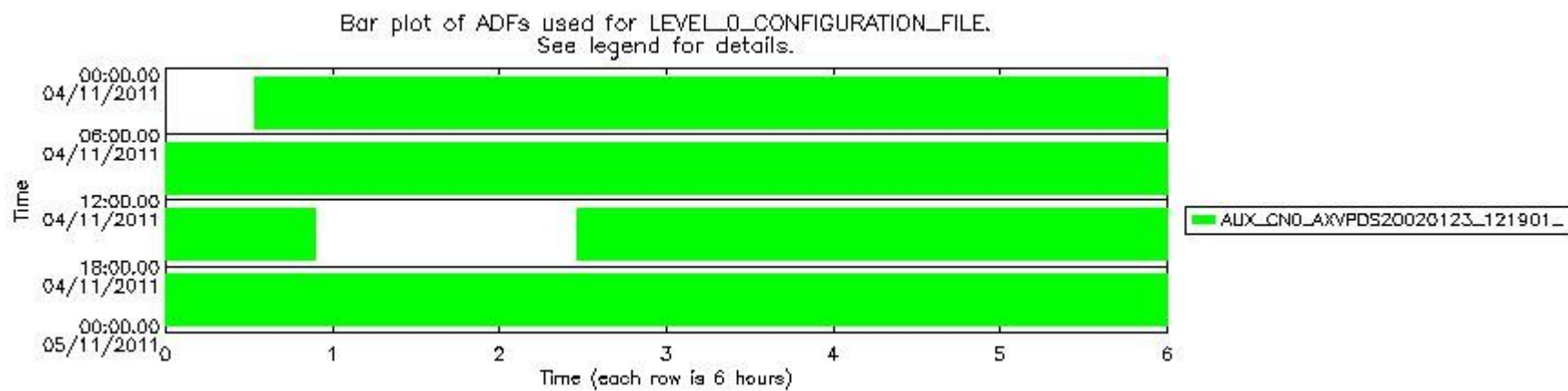
The use of ADFs is shown in two ways:

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.

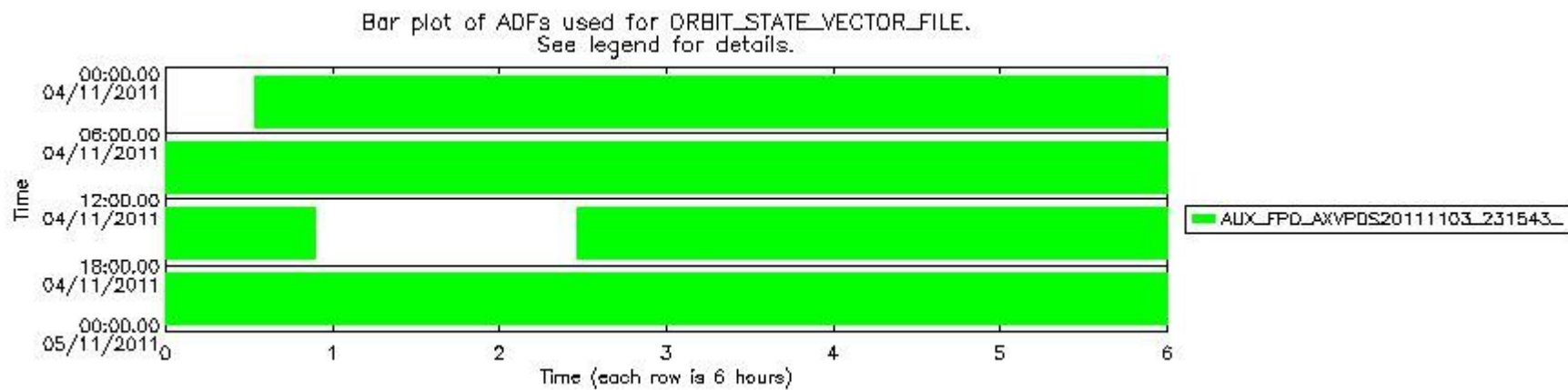
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111103_231543_20111103_194347_20111113_201715

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111104_003205_000059683108_00174_50619_9937.N1	0	1

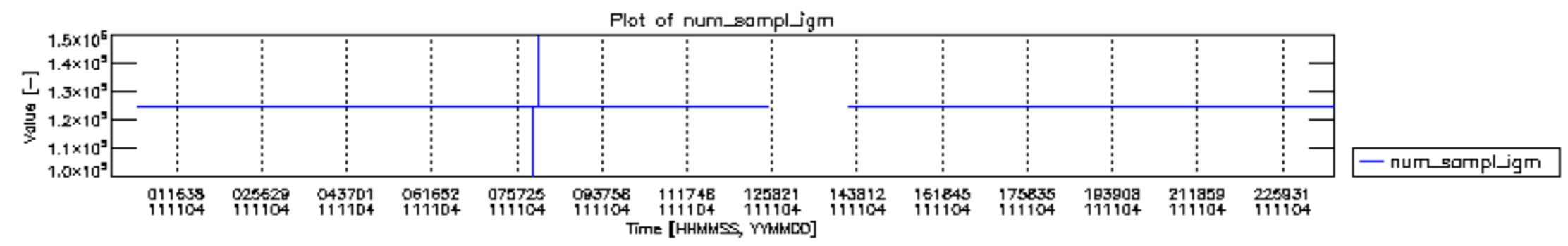
1	MIP_NL__0PNPDE20111104_021033_000044523108_00175_50620_9938.N1	0	1
2	MIP_NL__0PNPDE20111104_032411_000061103108_00176_50621_9939.N1	0	1
3	MIP_NL__0PNPDE20111104_050528_000060983108_00177_50622_9940.N1	0	1
4	MIP_NL__0PNPDK20111104_064633_000040843108_00178_50623_7431.N1	0	1
5	MIP_NL__0PNPDK20111104_075338_000060623108_00179_50624_7432.N1	0	1
6	MIP_NL__0PNPDK20111104_093302_000060443108_00180_50625_7433.N1	0	1
7	MIP_NL__0PNPDK20111104_111206_000060833108_00181_50626_7434.N1	0	1
8	MIP_NL__0PNPDK20111104_142809_000060583108_00183_50628_7436.N1	0	1
9	MIP_NL__0PNPDK20111104_160817_000058973108_00184_50629_7437.N1	0	1
10	MIP_NL__0PNPDK20111104_174534_000059393108_00185_50630_7438.N1	0	1
11	MIP_NL__0PNPDK20111104_192240_000060893108_00186_50631_7439.N1	0	1
12	MIP_NL__0PNPDE20111104_210210_000044453108_00187_50632_9941.N1	0	1
13	MIP_NL__0PNPDE20111104_221509_000061673108_00187_50632_9942.N1	0	1
14	MIP_NL__0PNPDE20111104_235649_000058893108_00188_50633_9943.N1	0	1

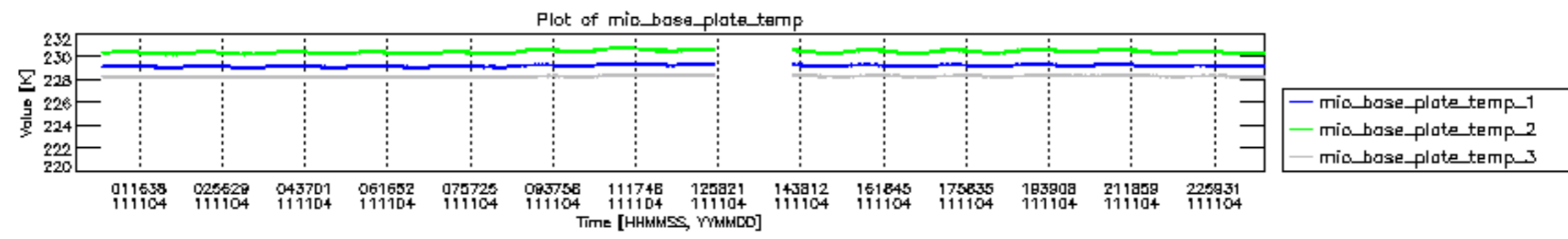


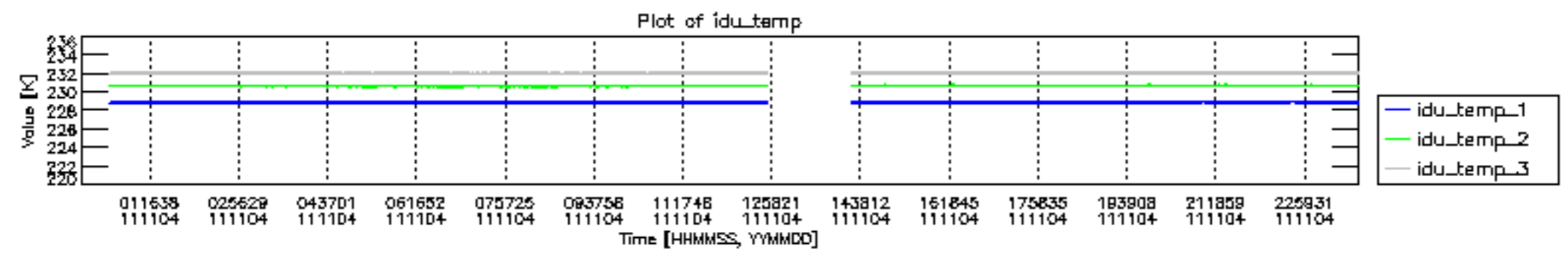
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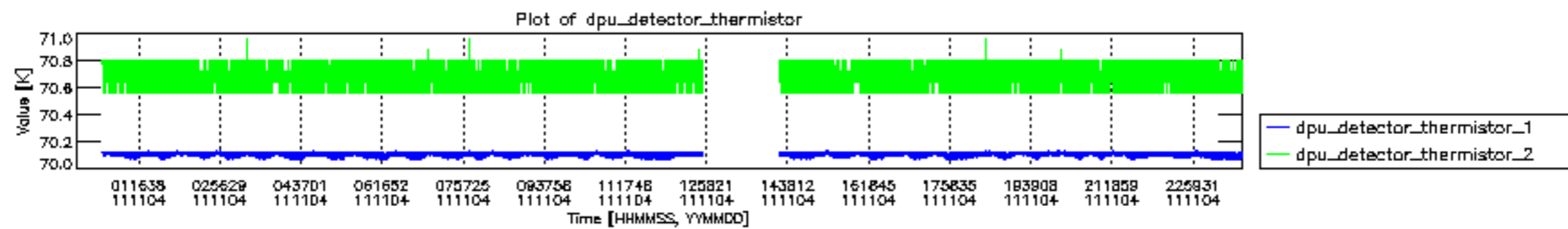


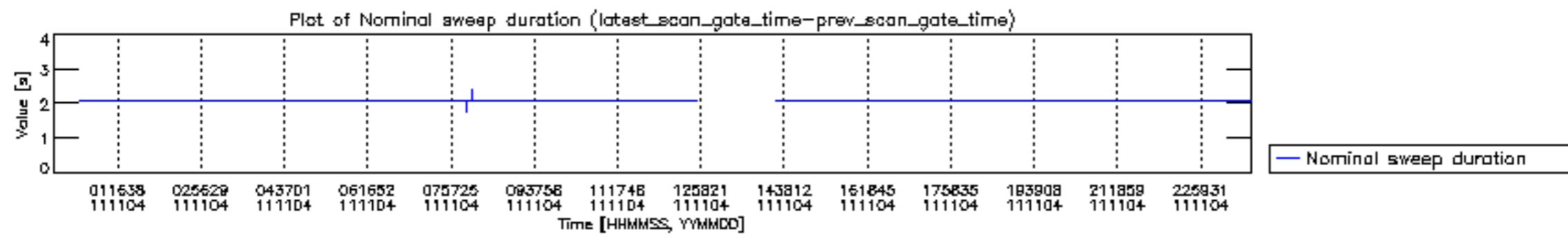
mipas_daily_report_level0_KSPT_L0_4504_N_20111104_13.PNG

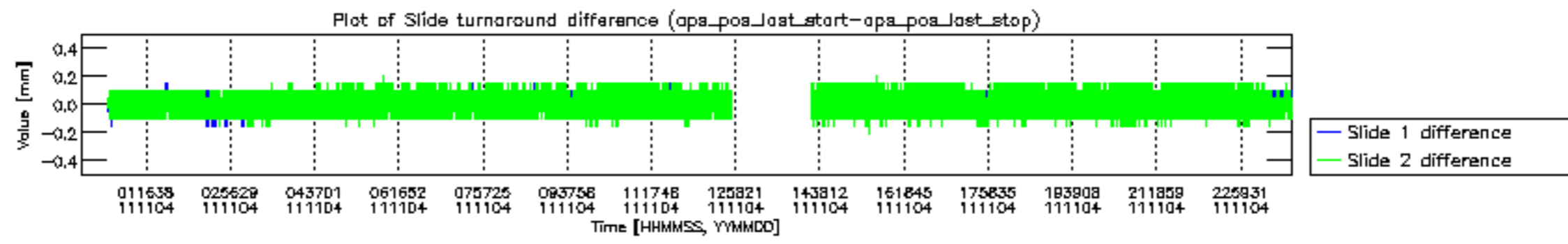


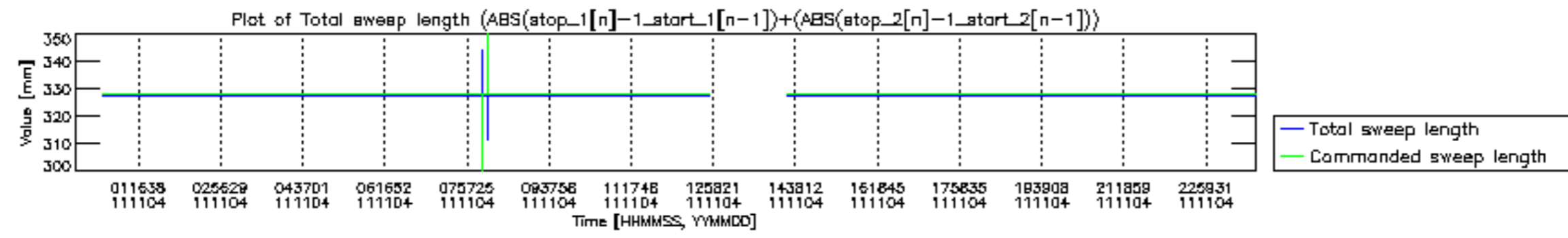


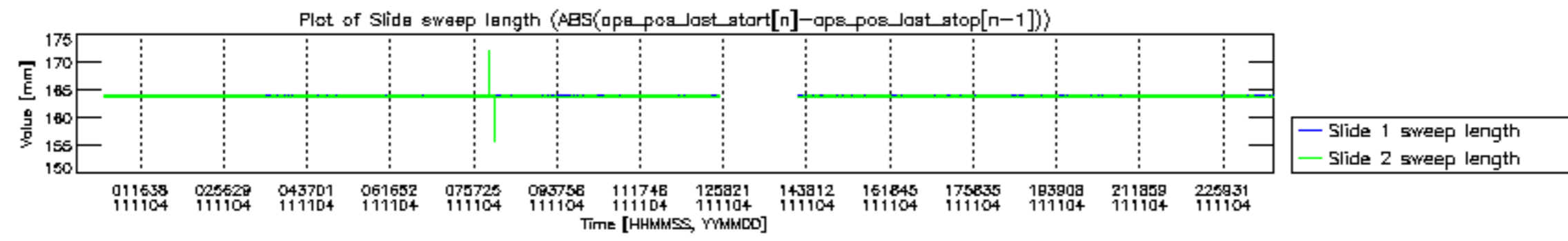


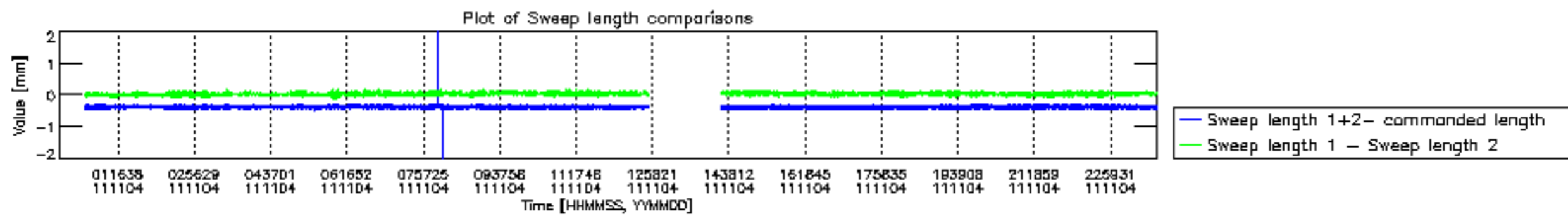


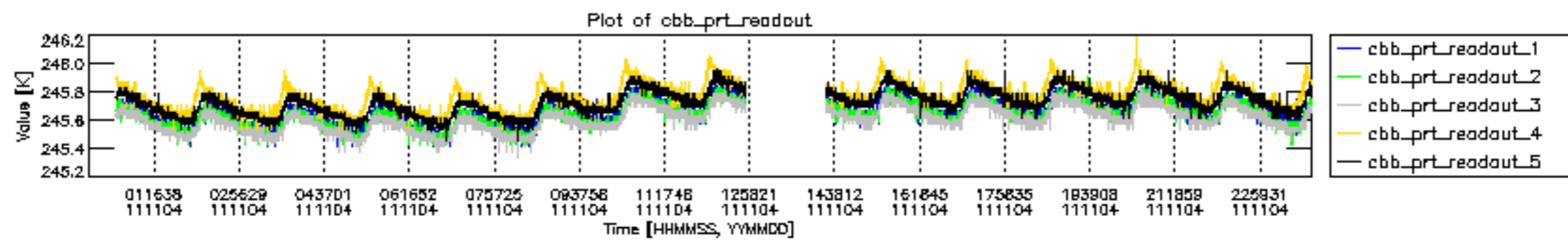


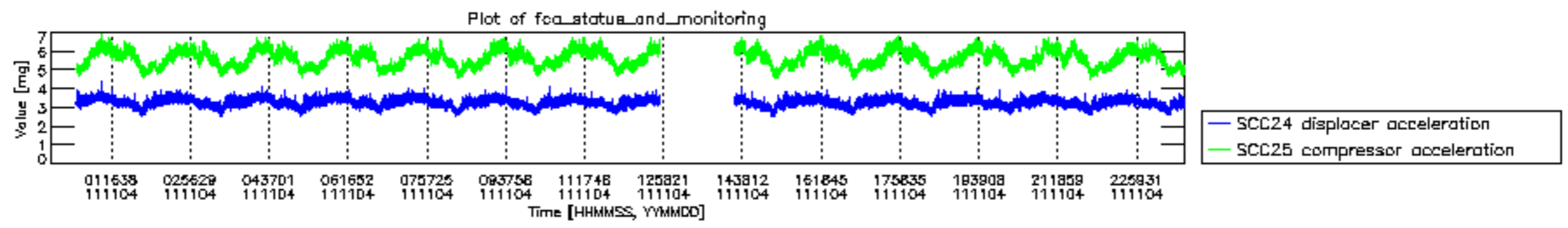












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

