

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	17DEC2011 05:25:20
Data source version	KSPT_L0/4504-N
Processing scope for products	12DEC2011 00:00:00 to 13DEC2011 00:00:00
Start time of first product within scope	12DEC2011 09:39:46
Stop time of last product within scope	13DEC2011 00:02:53
Total number of level 0 products	9
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.

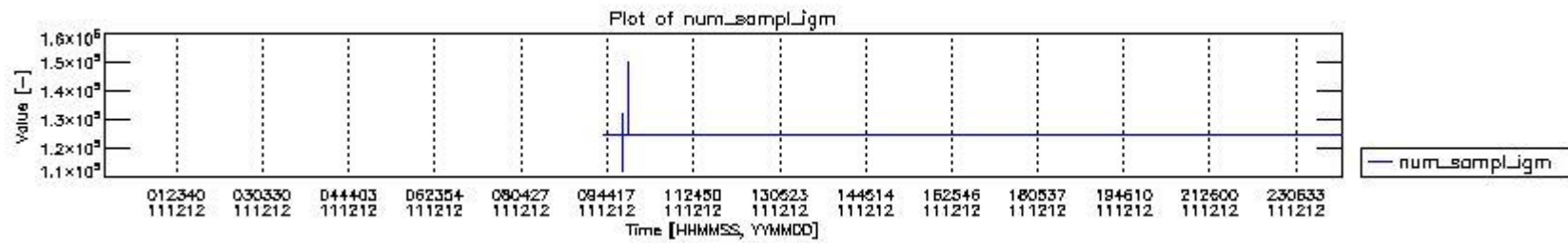
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDK20111212_093946_000059863109_00295_51171_7773.N1	12DEC2011 09:39:46	12DEC2011 11:19:32	0	0	0	0	0
1	MIP_NL__0PNPDK20111212_111753_000060373109_00296_51172_7774.N1	12DEC2011 11:17:53	12DEC2011 12:58:31	0	0	0	0	0
2	MIP_NL__0PNPDK20111212_125734_000059473109_00297_51173_7775.N1	12DEC2011 12:57:34	12DEC2011 14:36:42	0	0	0	0	0
3	MIP_NL__0PNPDK20111212_143558_000059813109_00298_51174_7776.N1	12DEC2011 14:35:58	12DEC2011 16:15:39	0	0	0	0	0
4	MIP_NL__0PNPDK20111212_161442_000058703109_00299_51175_7777.N1	12DEC2011 16:14:42	12DEC2011 17:52:32	0	0	0	0	0
5	MIP_NL__0PNPDK20111212_175128_000059043109_00300_51176_7778.N1	12DEC2011 17:51:28	12DEC2011 19:29:51	0	0	0	0	0
6	MIP_NL__0PNPDK20111212_192832_000062273109_00301_51177_7779.N1	12DEC2011 19:28:32	12DEC2011 21:12:19	0	0	0	0	0
7	MIP_NL__0PNPDE20111212_211010_000043353109_00302_51178_0398.N1	12DEC2011 21:10:10	12DEC2011 22:22:24	0	0	0	0	0
8	MIP_NL__0PNPDE20111212_222126_000060873109_00302_51178_0399.N1	12DEC2011 22:21:26	13DEC2011 00:02:53	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

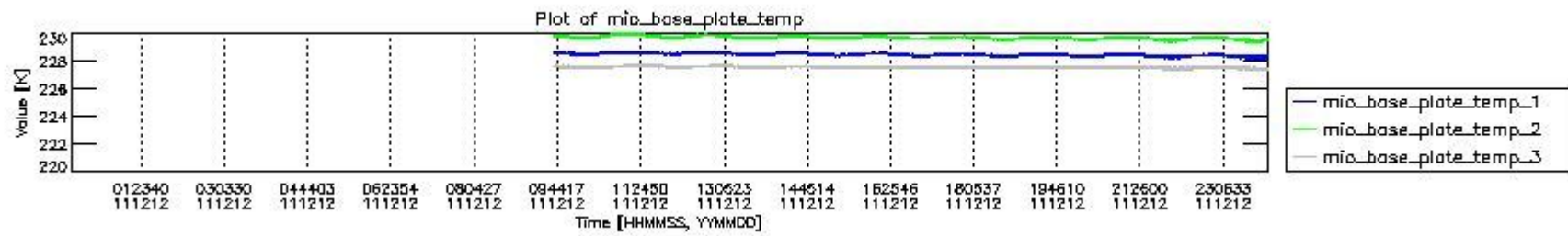
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

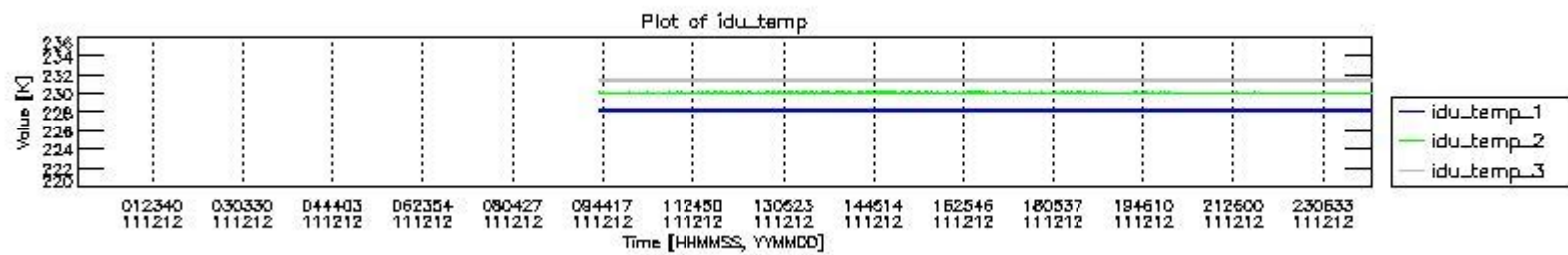
Number of igm samples	Count [#]	Count [%]
112144	1	0.0040060893
119614	1	0.0040060893
124800	23195	92.921240
124803	1761	7.0547232
127382	1	0.0040060893
132273	1	0.0040060893
147514	1	0.0040060893
150096	1	0.0040060893



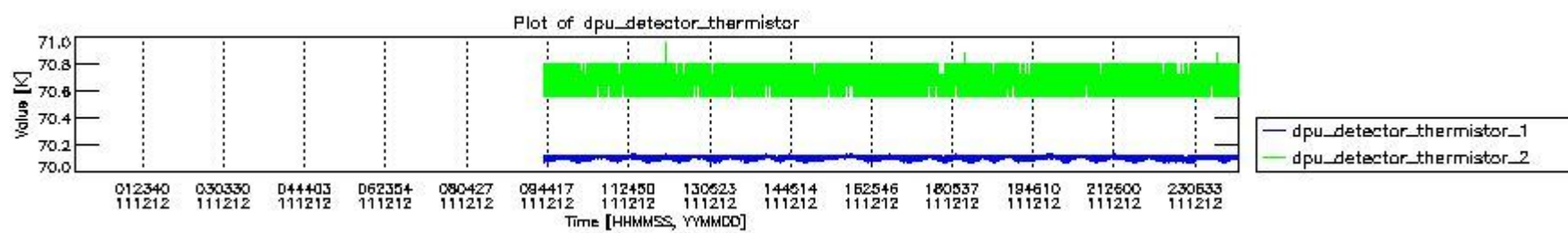
mipas_daily_report_level0_KSPT_L0_4504_N_20111212_0.PNG



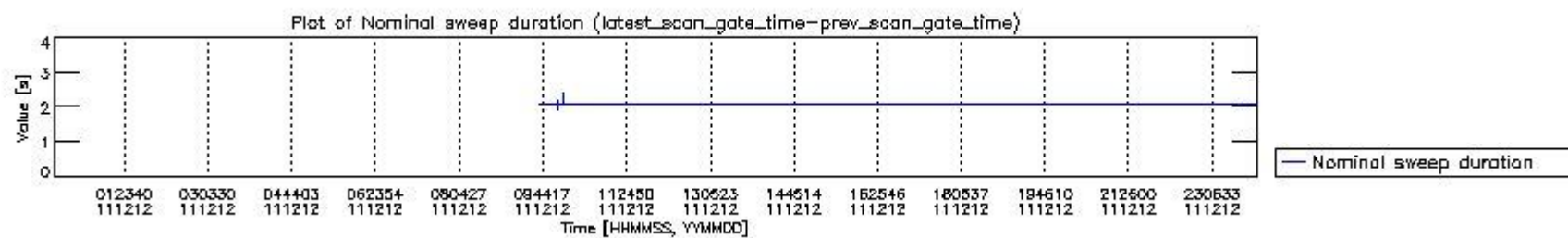
mipas_daily_report_level0_KSPT_L0_4504_N_20111212_1.PNG



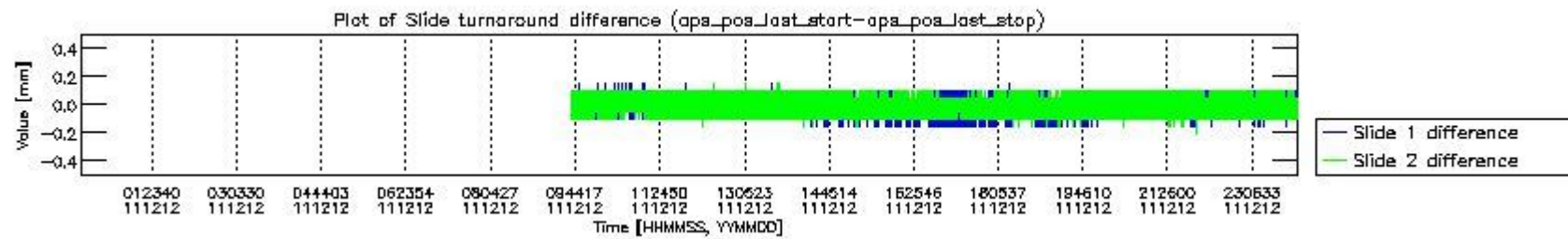
mipas_daily_report_level0_KSPT_L0_4504_N_20111212_2.PNG



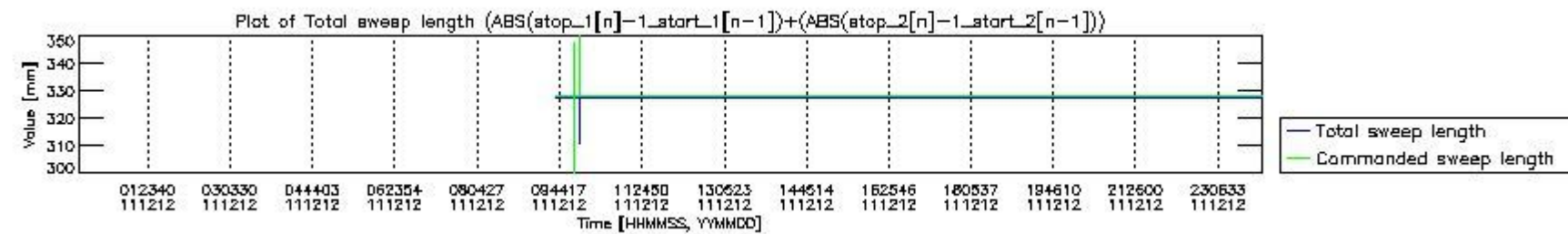
mipas_daily_report_level0_KSPT_L0_4504_N_20111212_3.PNG



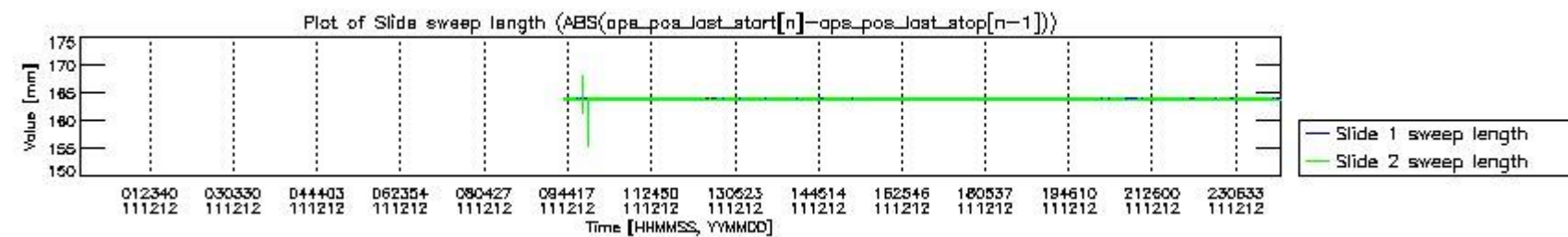
mipas_daily_report_level0_KSPT_L0_4504_N_20111212_4.PNG



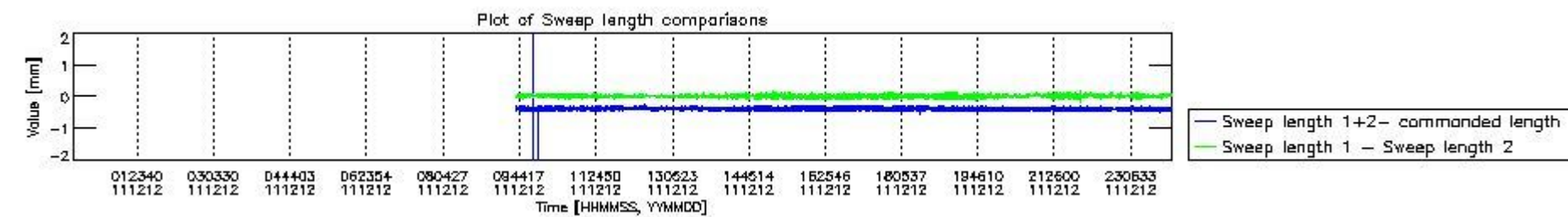
mipas_daily_report_level0_KSPT_L0_4504_N_20111212_5.PNG



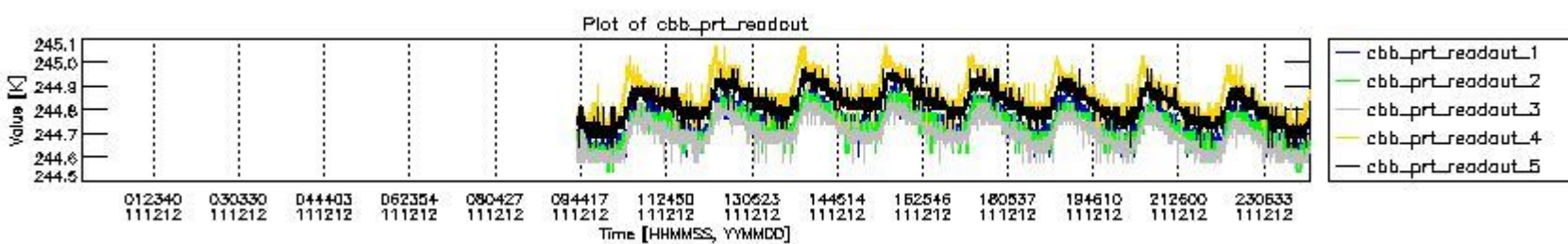
mipas_daily_report_level0_KSPT_L0_4504_N_20111212_6.PNG



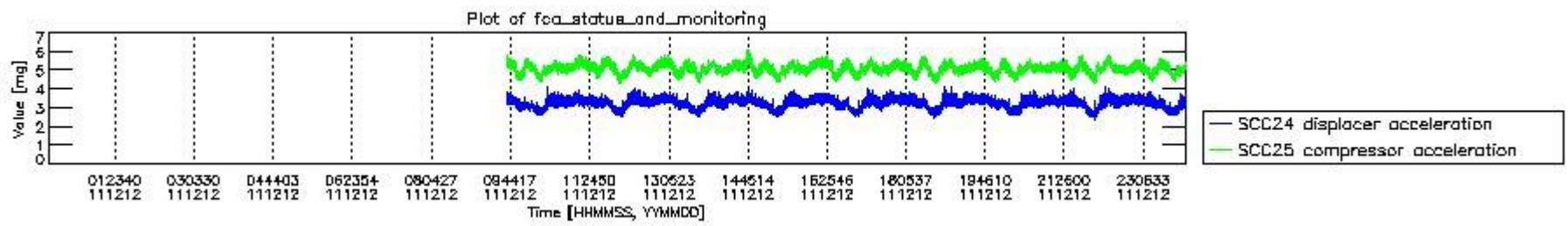
mipas_daily_report_level0_KSPT_L0_4504_N_20111212_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111212_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111212_9.PNG

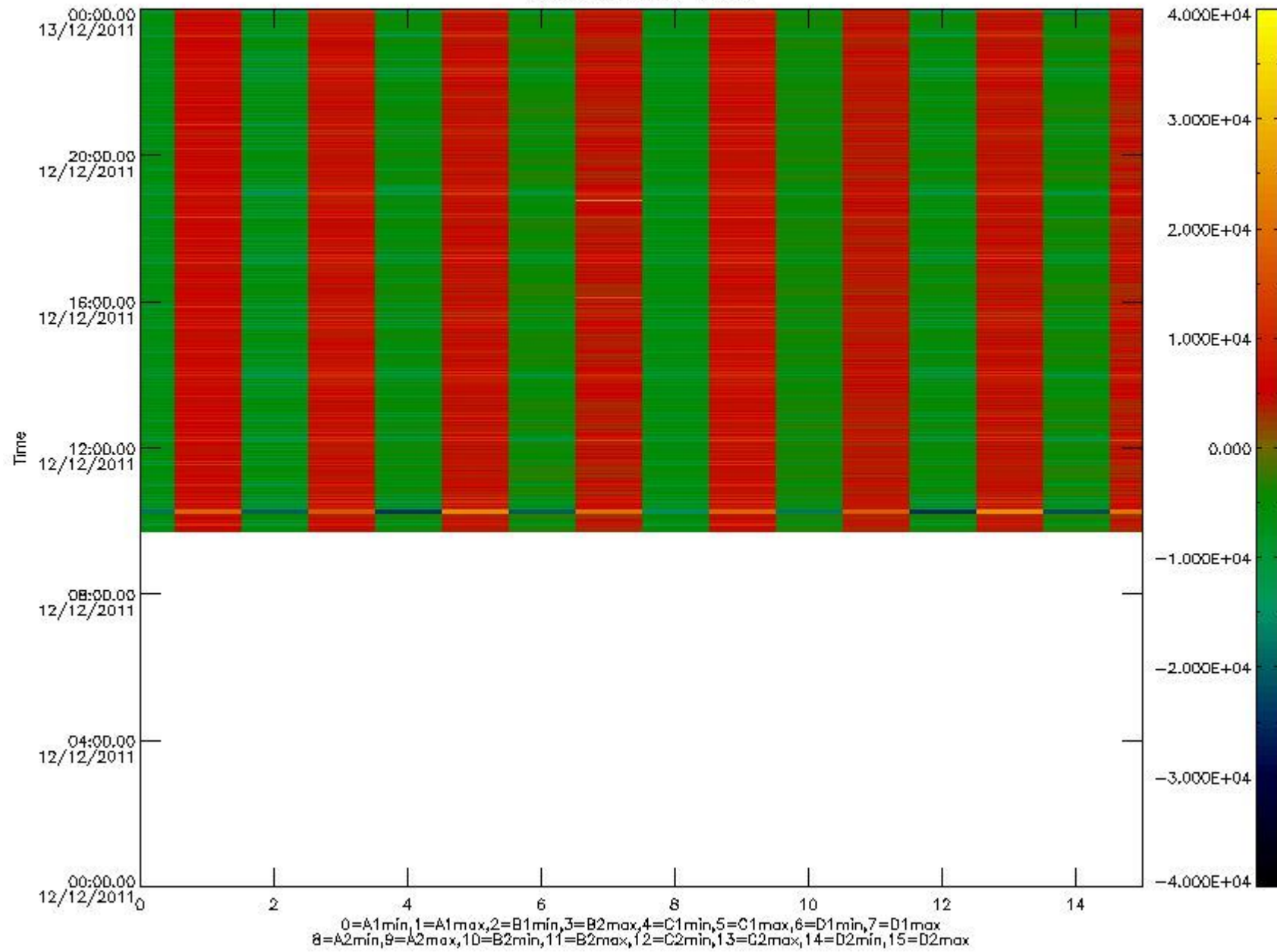


mipas_daily_report_level0_KSPT_L0_4504_N_20111212_10.PNG

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

Channel	Min	Max	ADC
A1	-18171	19256	16bit
B1	-20531	17660	16bit
C1	-24942	24840	16bit
D1	-29329	32767	16bit
A2	-15774	19479	16bit
B2	-18379	18049	16bit
C2	-25961	25619	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111212_11.PNG

0.3 ADF monitoring

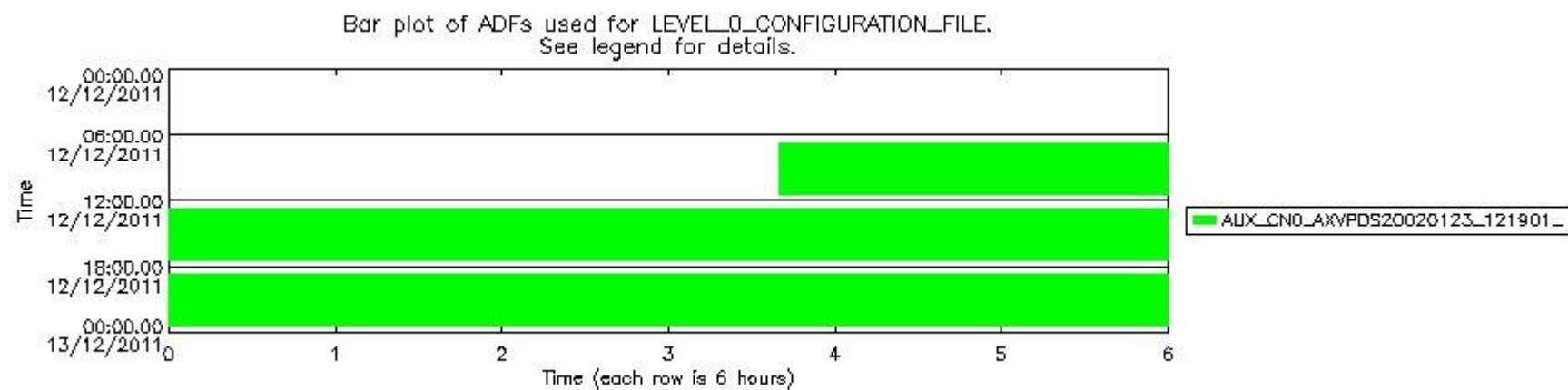
The use of ADFs is shown in two ways:

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.

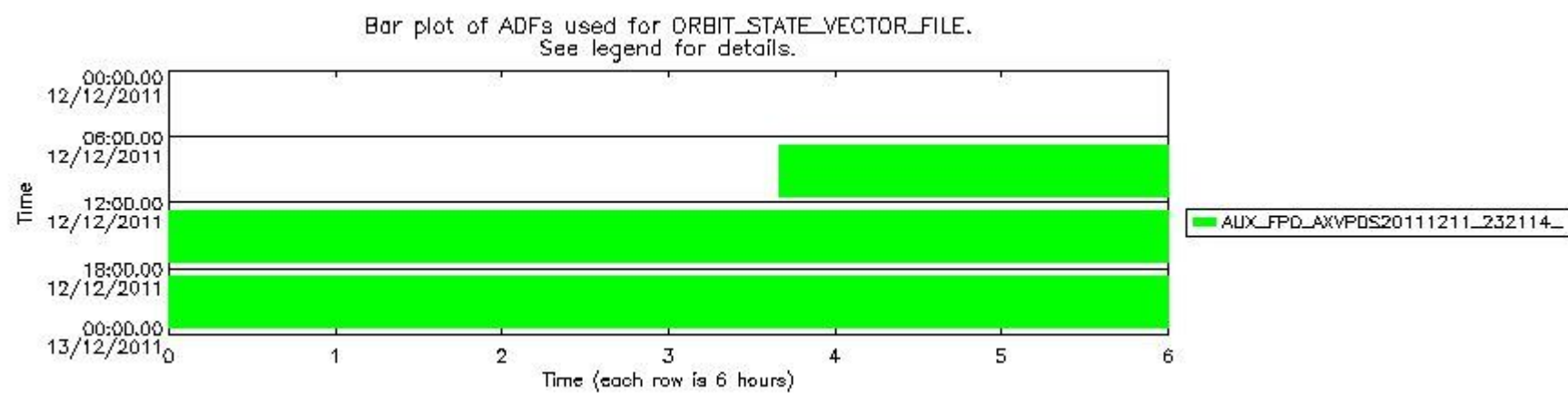
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111211_232114_20111211_195042_20111221_202409

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDK20111212_093946_000059863109_00295_51171_7773.N1	0	1

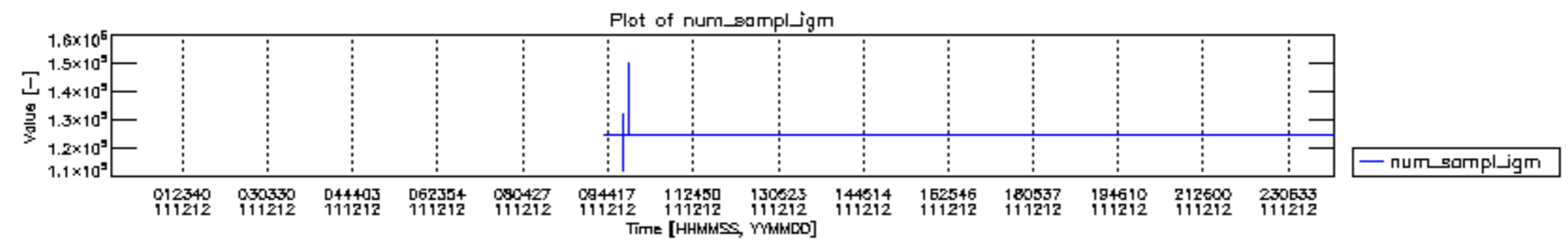
1	MIP_NL__0PNPDK20111212_111753_000060373109_00296_51172_7774.N1	0	1
2	MIP_NL__0PNPDK20111212_125734_000059473109_00297_51173_7775.N1	0	1
3	MIP_NL__0PNPDK20111212_143558_000059813109_00298_51174_7776.N1	0	1
4	MIP_NL__0PNPDK20111212_161442_000058703109_00299_51175_7777.N1	0	1
5	MIP_NL__0PNPDK20111212_175128_000059043109_00300_51176_7778.N1	0	1
6	MIP_NL__0PNPDK20111212_192832_000062273109_00301_51177_7779.N1	0	1
7	MIP_NL__0PNPDE20111212_211010_000043353109_00302_51178_0398.N1	0	1
8	MIP_NL__0PNPDE20111212_222126_000060873109_00302_51178_0399.N1	0	1

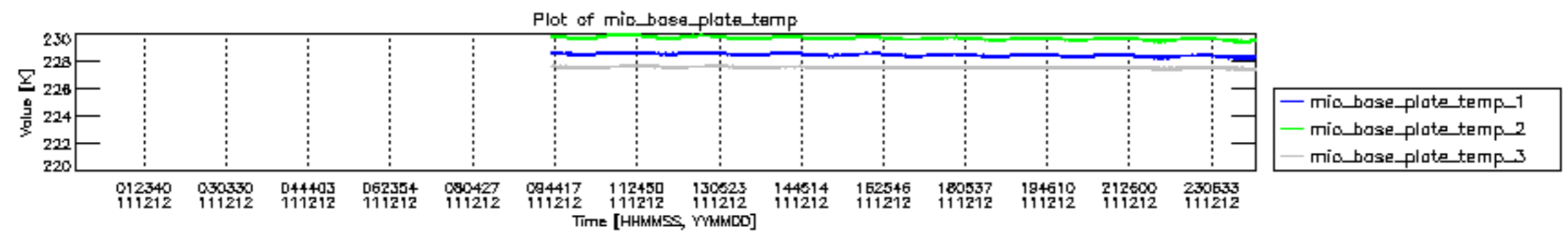


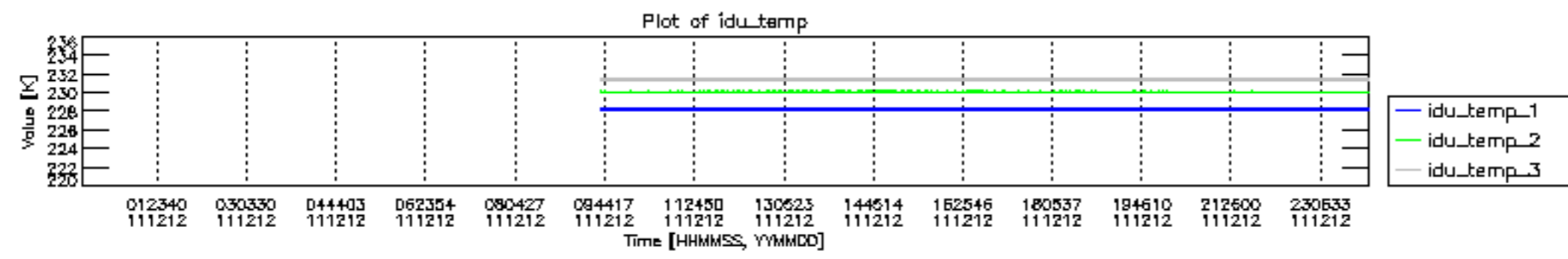
mipas_daily_report_level0_KSPT_L0_4504_N_20111212_12.PNG

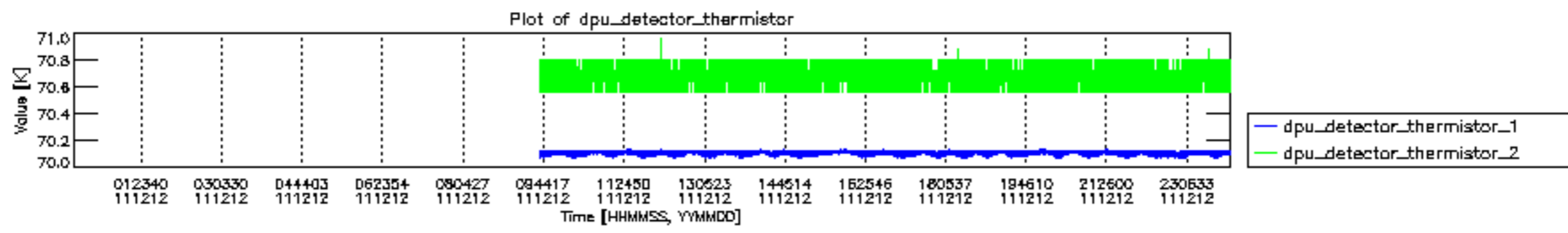


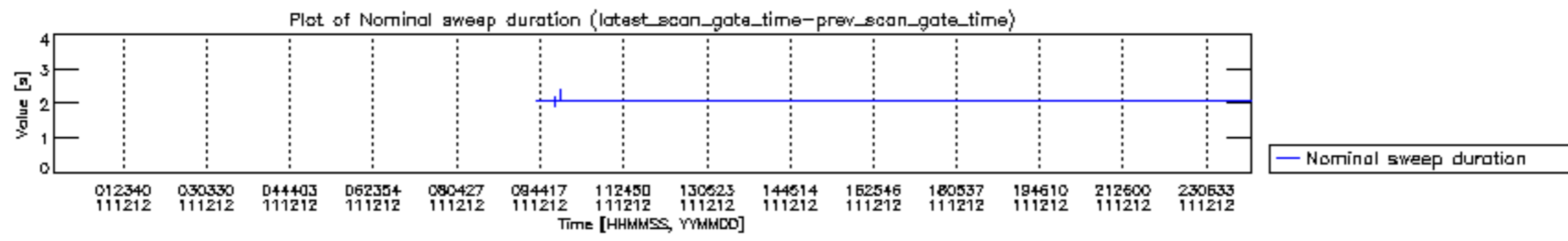
mipas_daily_report_level0_KSPT_L0_4504_N_20111212_13.PNG

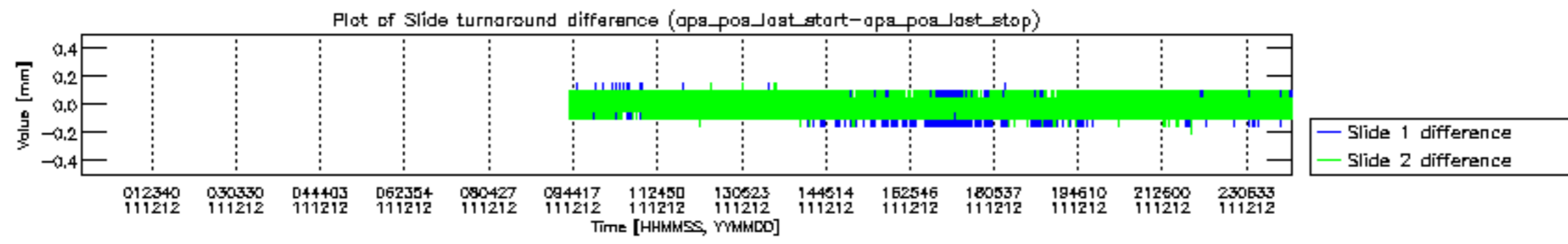


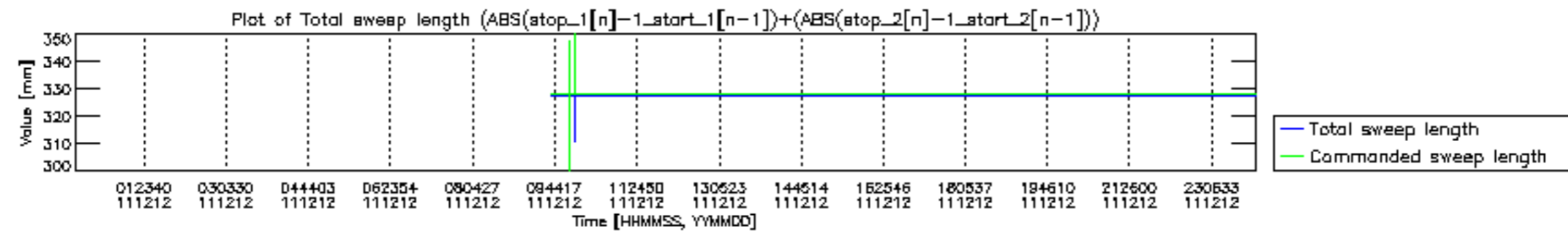


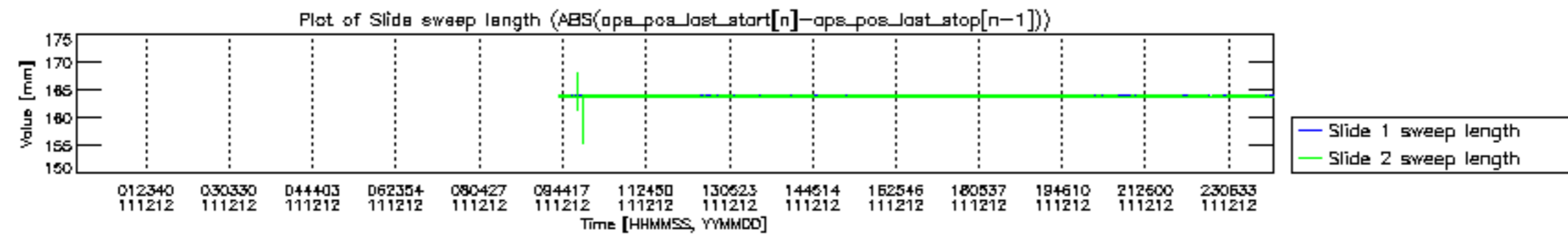


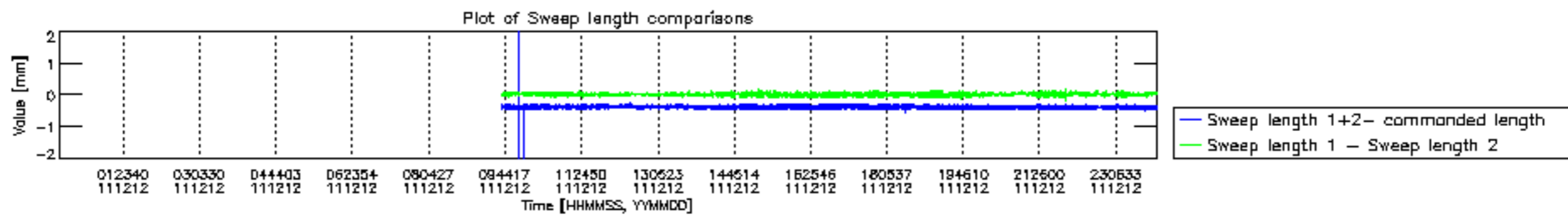


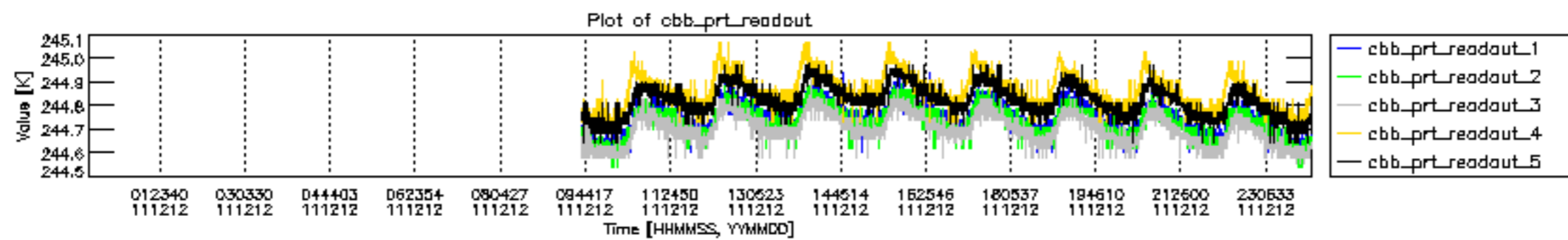


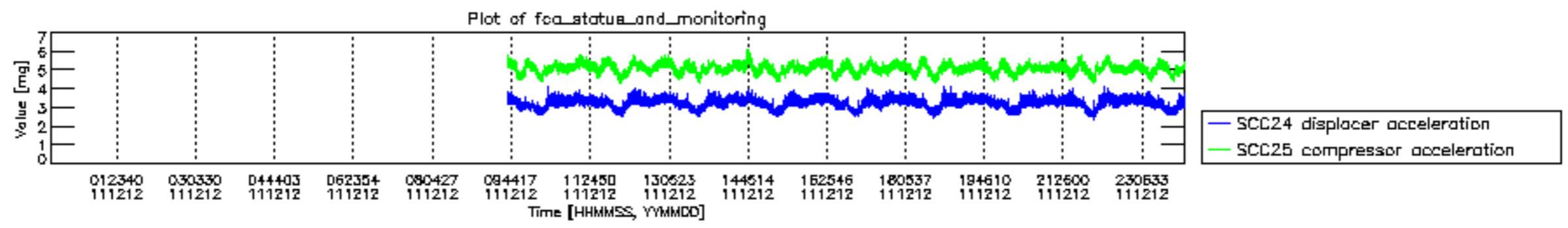












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

