

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	17OCT2011 05:20:07
Data source version	KSPT_L0/4504-N
Processing scope for products	12OCT2011 00:00:00 to 13OCT2011 00:00:00
Start time of first product within scope	12OCT2011 01:15:46
Stop time of last product within scope	12OCT2011 07:56:23
Total number of level 0 products	6
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.

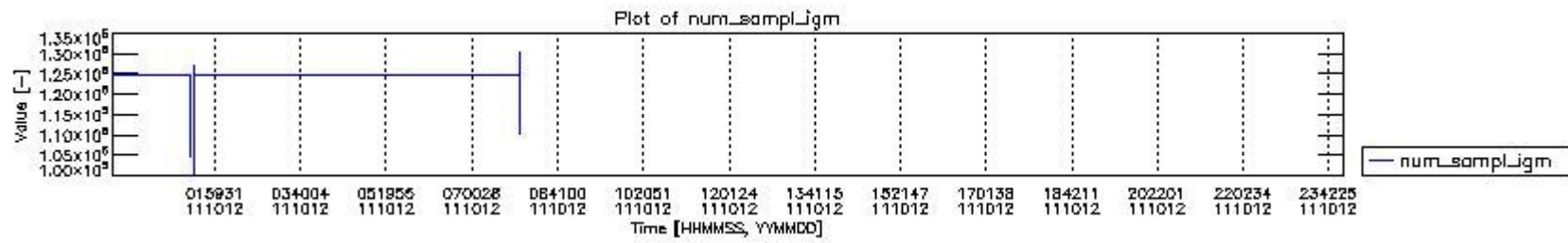
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20111012_011546_000102673107_00275_50289_9820.N1	12OCT2011 01:15:46	12OCT2011 04:06:53	0	0	0	0	0
1	MIP_NL__0PNPDE20111012_013534_000013853107_00276_50290_9823.N1	12OCT2011 01:35:34	12OCT2011 01:58:39	0	0	0	0	0
2	MIP_NL__0PNPDE20111012_015841_000076923107_00276_50290_9822.N1	12OCT2011 01:58:41	12OCT2011 04:06:53	0	0	0	0	0
3	MIP_NL__0PNPDE20111012_040619_000062173107_00277_50291_9821.N1	12OCT2011 04:06:19	12OCT2011 05:49:56	0	0	0	0	0
4	MIP_NL__0PNPDE20111012_054923_000061103107_00278_50292_9825.N1	12OCT2011 05:49:23	12OCT2011 07:31:13	0	0	0	0	0
5	MIP_NL__0PNPDK20111012_073040_000015443107_00279_50293_7276.N1	12OCT2011 07:30:40	12OCT2011 07:56:23	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

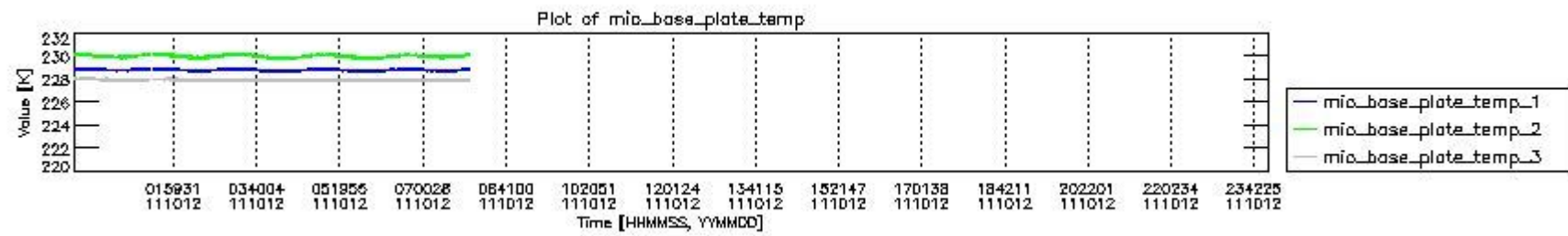
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

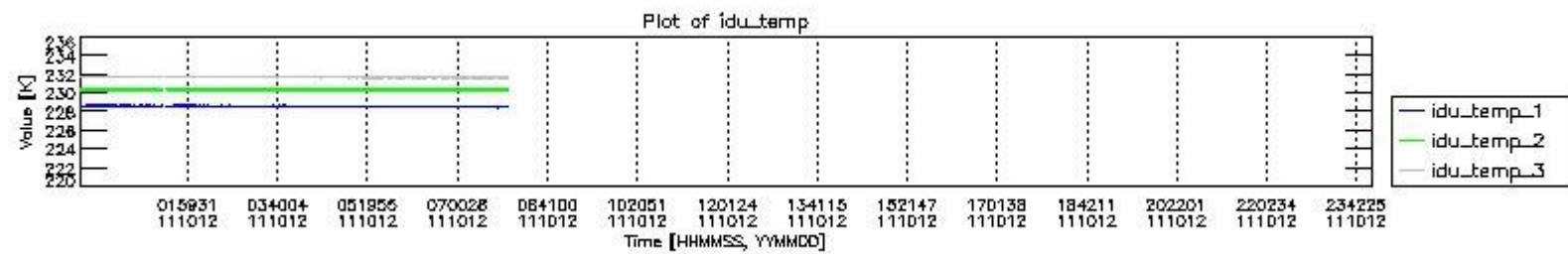
Number of igm samples	Count [#]	Count [%]
100632	1	0.0073459193
104782	1	0.0073459193
104896	1	0.0073459193
110284	1	0.0073459193
115900	1	0.0073459193
124800	12668	93.058106
124803	936	6.8757805
124914	1	0.0073459193
125884	1	0.0073459193
126968	1	0.0073459193
130416	1	0.0073459193



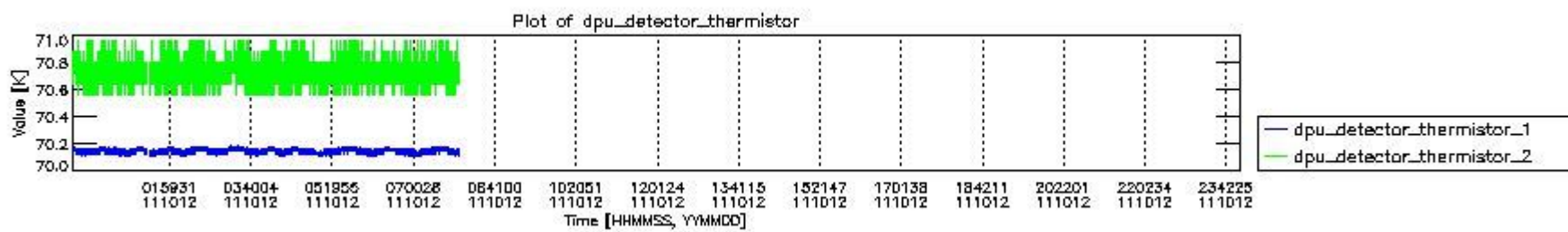
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_0.PNG



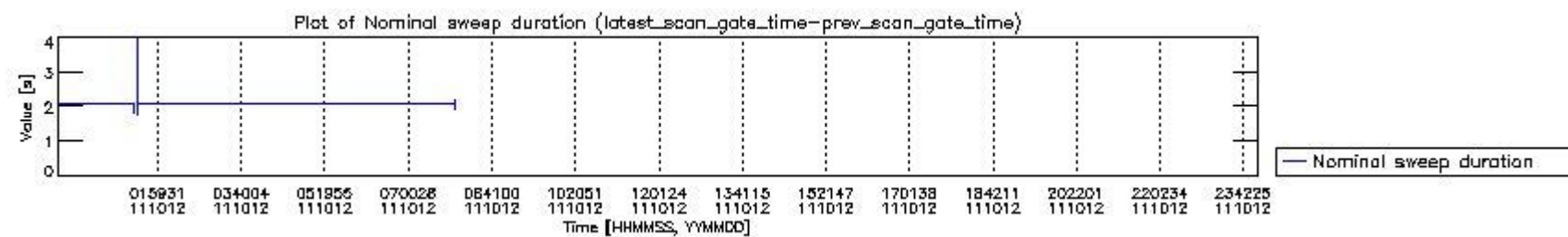
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_1.PNG



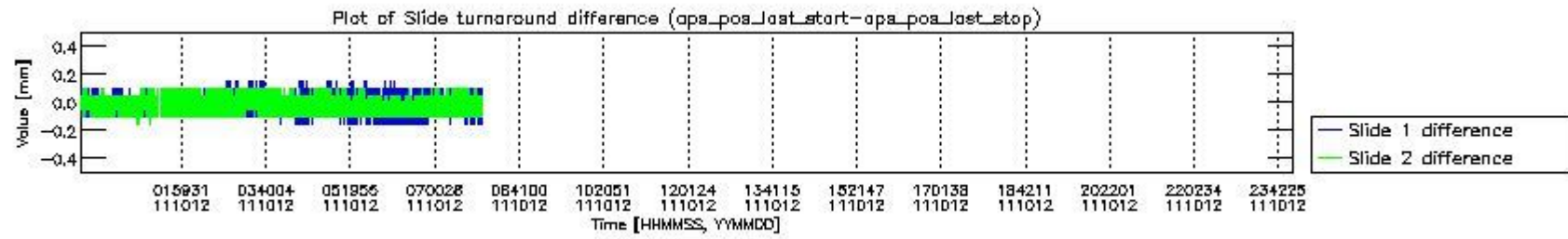
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_2.PNG



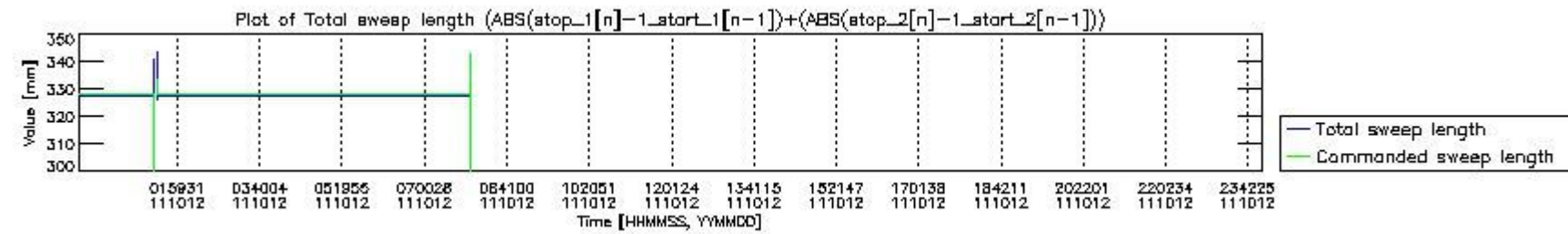
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_3.PNG



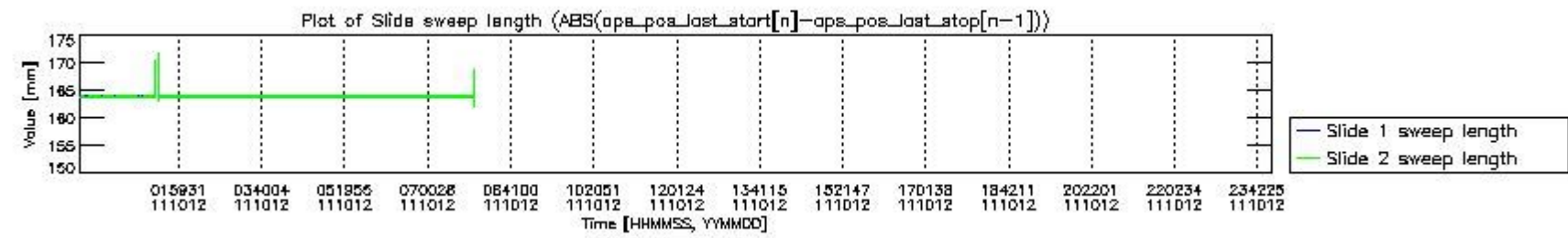
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_4.PNG



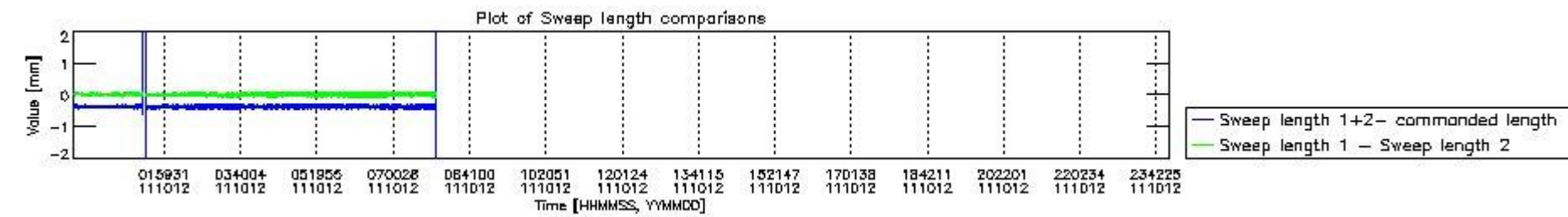
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_5.PNG



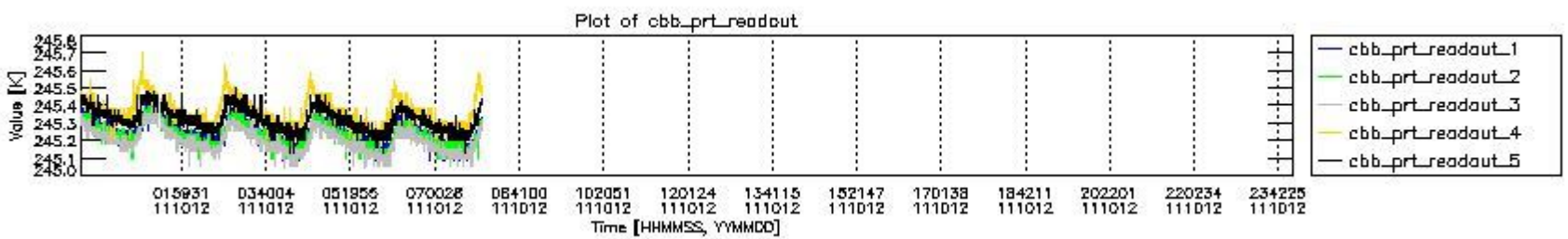
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_6.PNG



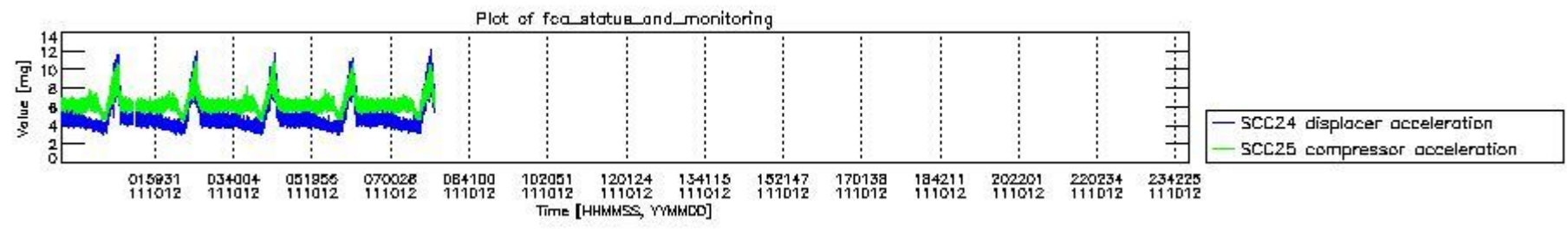
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111012_8.PNG



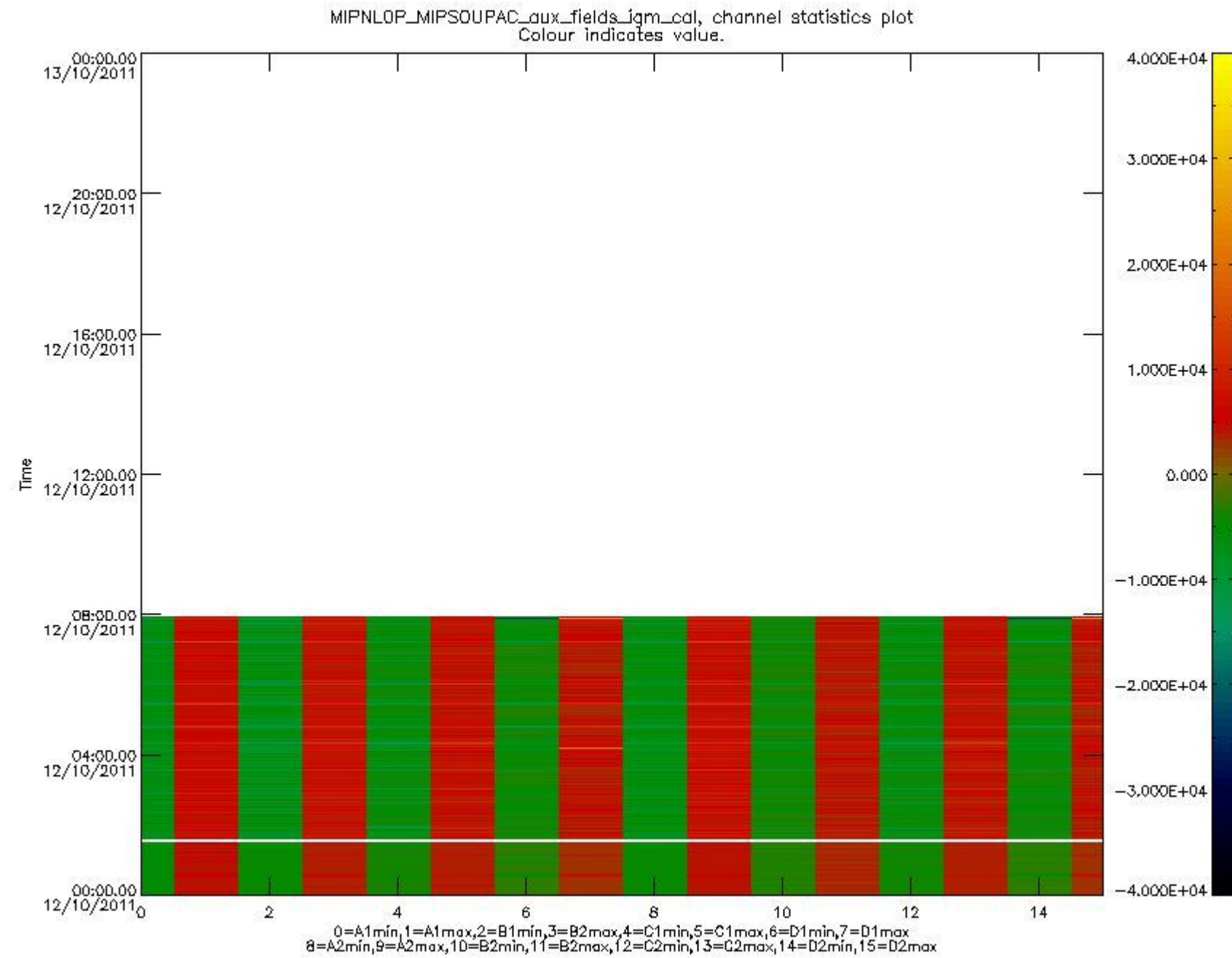
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_9.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111012_10.PNG

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

Channel	Min	Max	ADC
A1	-17088	17877	16bit
B1	-18028	16180	16bit
C1	-22162	21943	16bit
D1	-32768	32767	16bit
A2	-14748	17925	16bit
B2	-15616	15473	16bit
C2	-22380	21912	16bit
D2	-32768	32767	16bit



mipas_daily_report_level0_KSPT_L0_4504_N_20111012_11.PNG

0.3 ADF monitoring

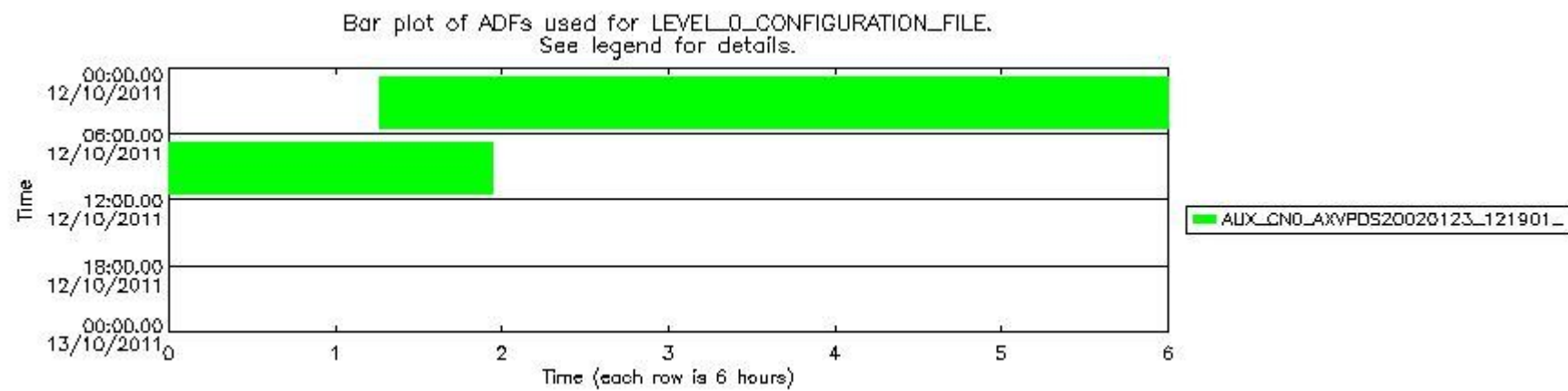
The use of ADFs is shown in two ways:

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.

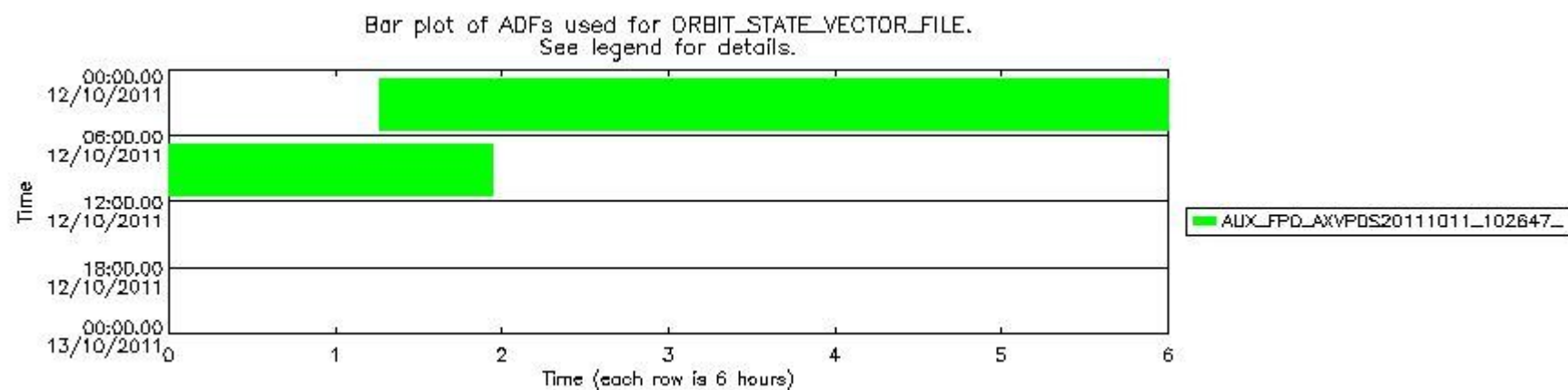
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111011_102647_20111010_192333_20111020_213716

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111012_011546_000102673107_00275_50289_9820.N1	0	1

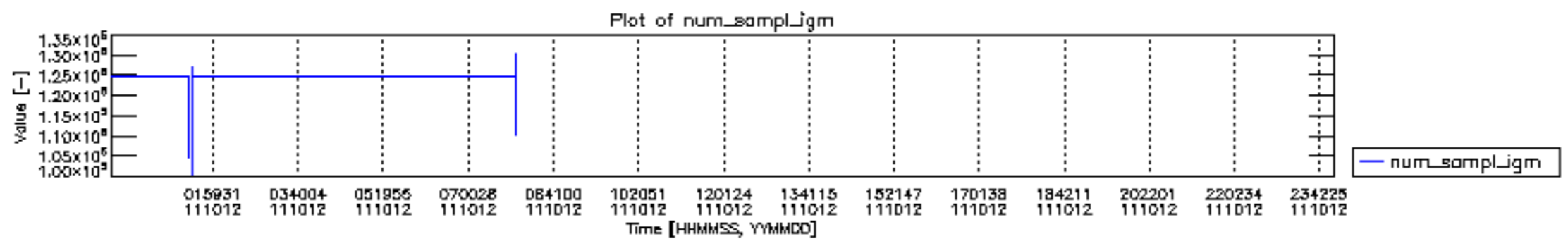
1	MIP_NL__0PNPDE20111012_013534_000013853107_00276_50290_9823.N1	0	1
2	MIP_NL__0PNPDE20111012_015841_000076923107_00276_50290_9822.N1	0	1
3	MIP_NL__0PNPDE20111012_040619_000062173107_00277_50291_9821.N1	0	1
4	MIP_NL__0PNPDE20111012_054923_000061103107_00278_50292_9825.N1	0	1
5	MIP_NL__0PNPDK20111012_073040_000015443107_00279_50293_7276.N1	0	1

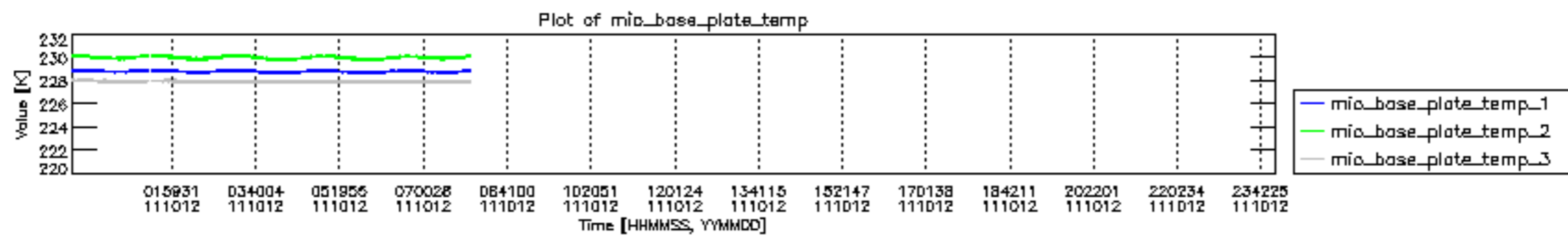


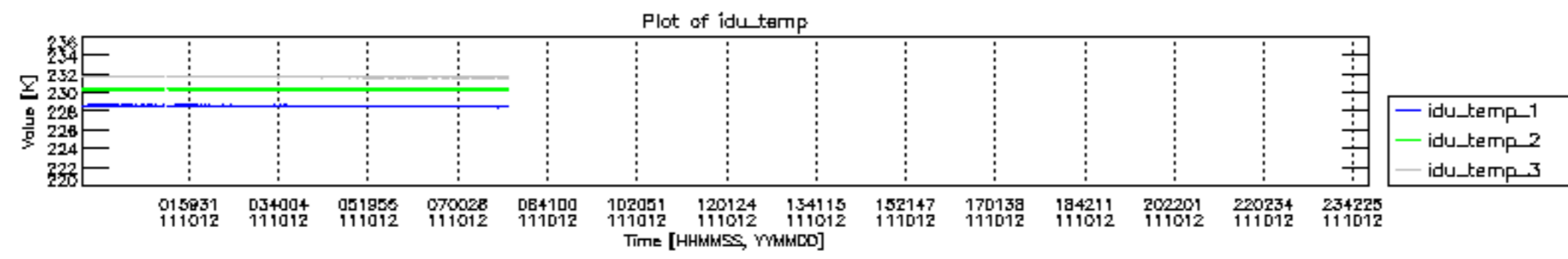
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_12.PNG

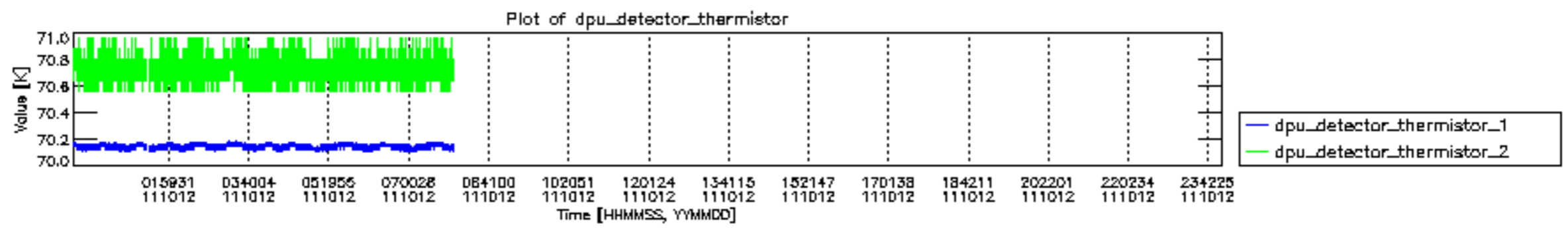


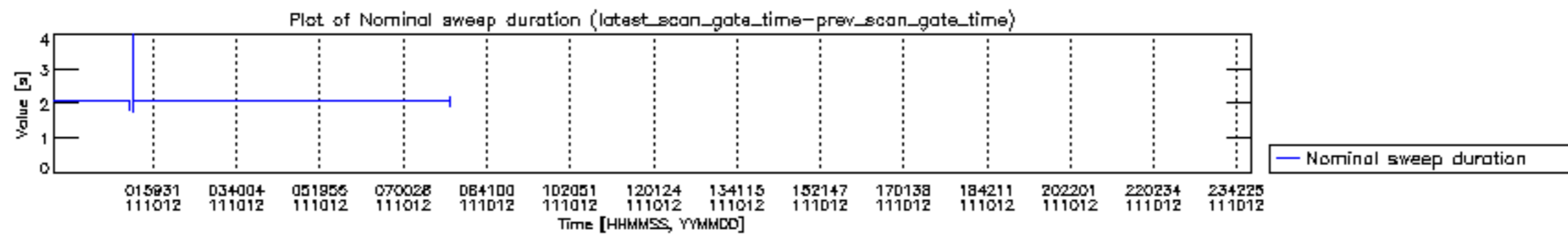
mipas_daily_report_level0_KSPT_L0_4504_N_20111012_13.PNG

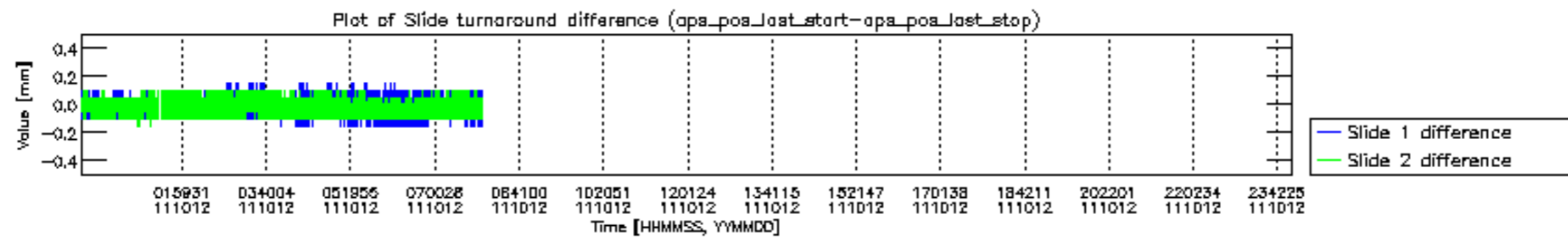


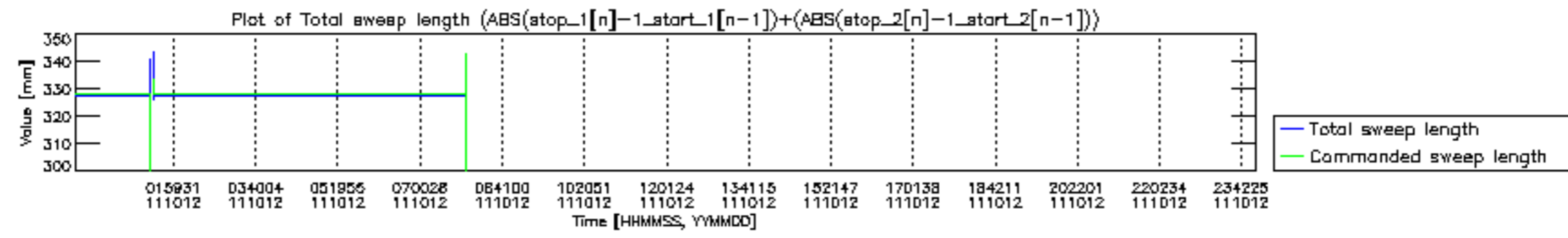


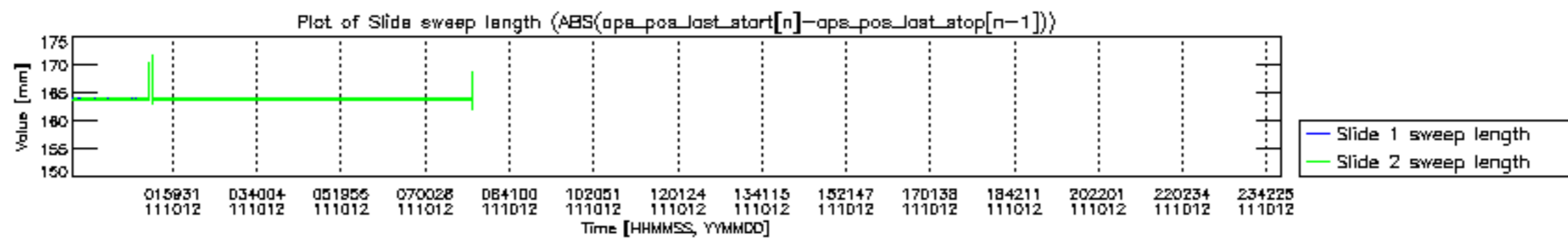


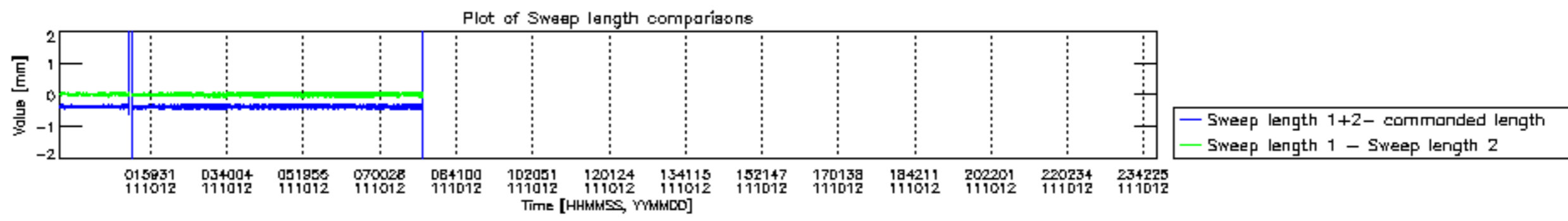


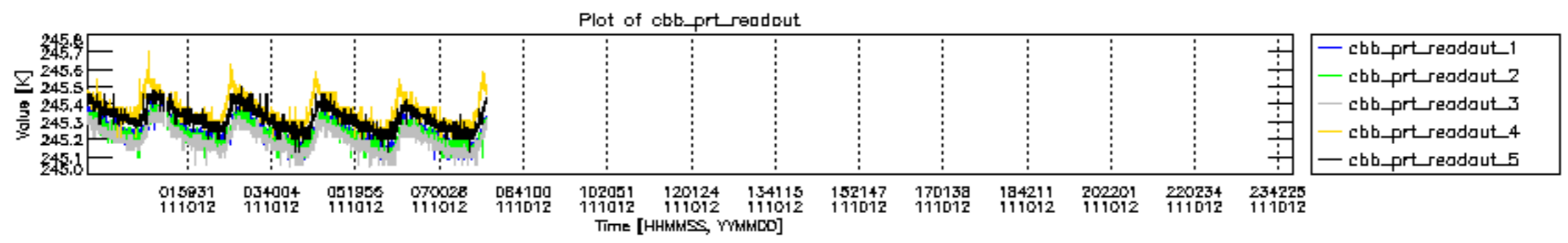


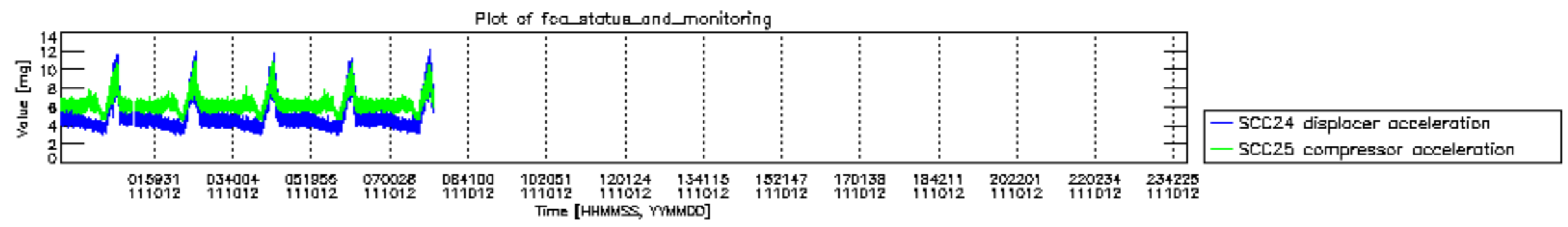












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

