

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	30MAY2011 05:23:55
Data source version	KSPT_L0/4504-N
Processing scope for products	25MAY2011 00:00:00 to 26MAY2011 00:00:00
Start time of first product within scope	25MAY2011 11:00:14
Stop time of last product within scope	26MAY2011 01:12:06
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__0PNPDK20110525_110014_000053333102_00425_48284_5238.N1	25MAY2011 11:00:14	25MAY2011 12:29:08	0	0	0	0	0
1	MIP_NL__0PNPDK20110525_122826_000059353102_00426_48285_5239.N1	25MAY2011 12:28:26	25MAY2011 14:07:21	0	0	0	0	0
2	MIP_NL__0PNPDK20110525_140647_000058833102_00427_48286_5240.N1	25MAY2011 14:06:47	25MAY2011 15:44:50	0	0	0	0	0
3	MIP_NL__0PNPDK20110525_154418_000057723102_00428_48287_5241.N1	25MAY2011 15:44:18	25MAY2011 17:20:30	0	0	0	0	0
4	MIP_NL__0PNPDK20110525_171938_000059353102_00429_48288_5242.N1	25MAY2011 17:19:38	25MAY2011 18:58:33	0	0	0	0	0
5	MIP_NL__0PNPDK20110525_185701_000061653102_00430_48289_5243.N1	25MAY2011 18:57:01	25MAY2011 20:39:46	0	0	0	0	0
6	MIP_NL__0PNPDE20110525_203810_000043513102_00431_48290_8787.N1	25MAY2011 20:38:10	25MAY2011 21:50:41	0	0	0	0	0
7	MIP_NL__0PNPDE20110525_214943_000061403102_00431_48290_8788.N1	25MAY2011 21:49:43	25MAY2011 23:32:02	0	0	0	0	0
8	MIP_NL__0PNPDE20110525_233053_000060733103_00001_48291_8789.N1	25MAY2011 23:30:53	26MAY2011 01:12:06	0	0	0	0	0

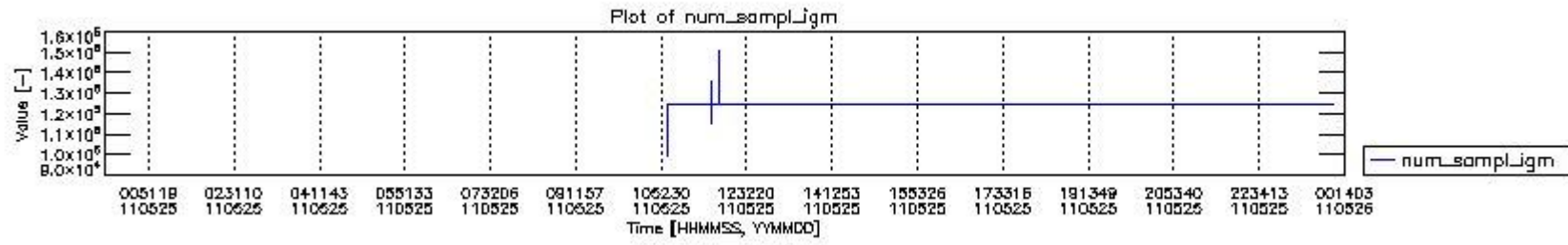
0.2 Instrument Operational Performance Parameters

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.

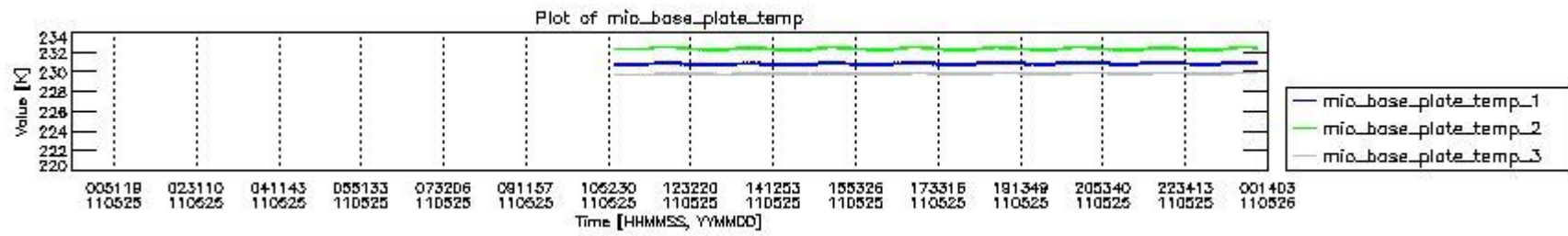
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98922	1	0.0044318383
115636	1	0.0044318383
123548	1	0.0044318383
124174	1	0.0044318383
124800	20963	92.904627
124803	1592	7.0554866
126604	1	0.0044318383
127456	1	0.0044318383
135768	1	0.0044318383

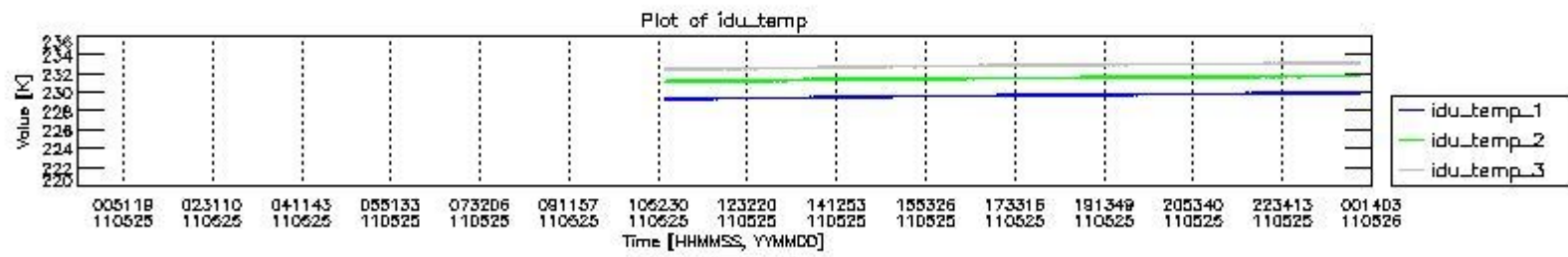
147588	1	0.0044318383
150244	1	0.0044318383



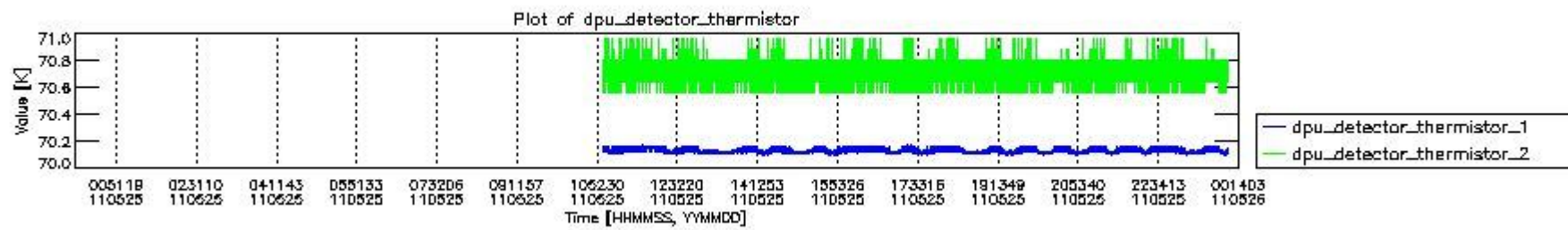
mipas_daily_report_level0_KSPT_L0_4504_N_20110525_0.PNG



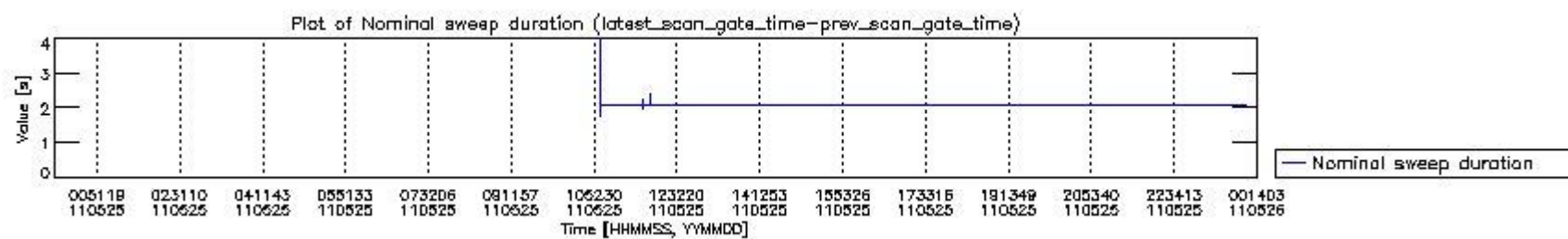
mipas_daily_report_level0_KSPT_L0_4504_N_20110525_1.PNG



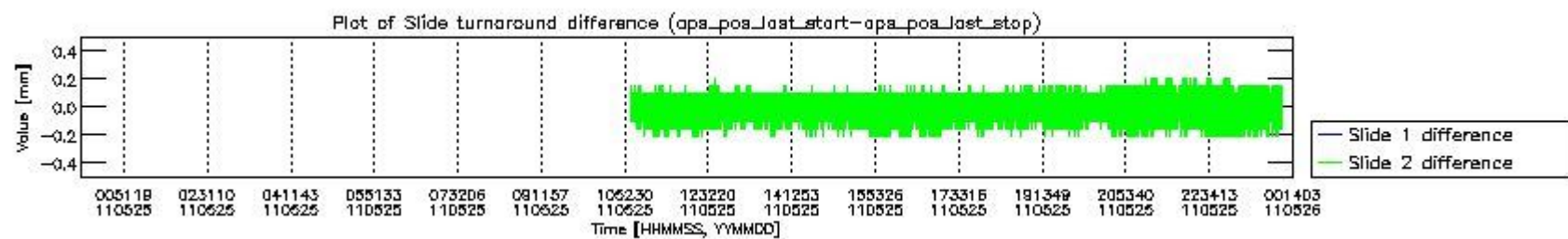
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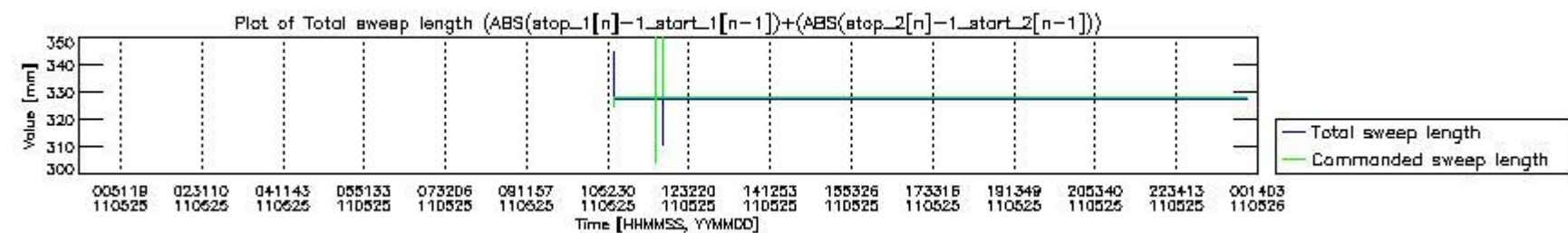
mipas_daily_report_level0_KSPT_L0_4504_N_20110525_3.PNG



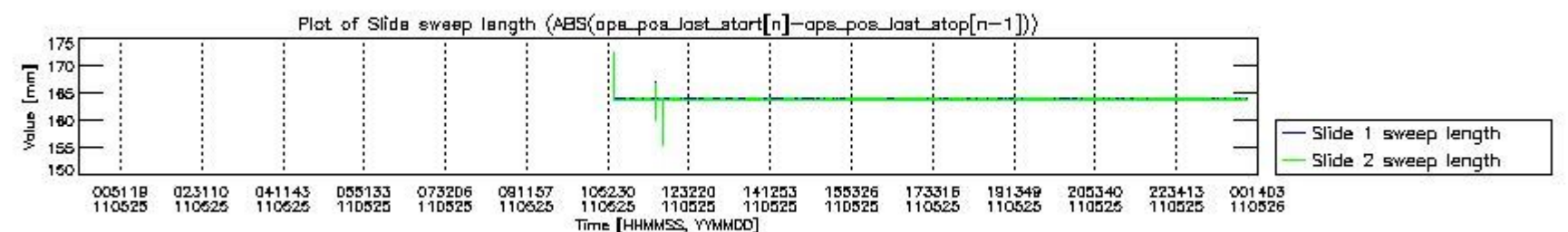
mipas_daily_report_level0_KSPT_L0_4504_N_20110525_4.PNG



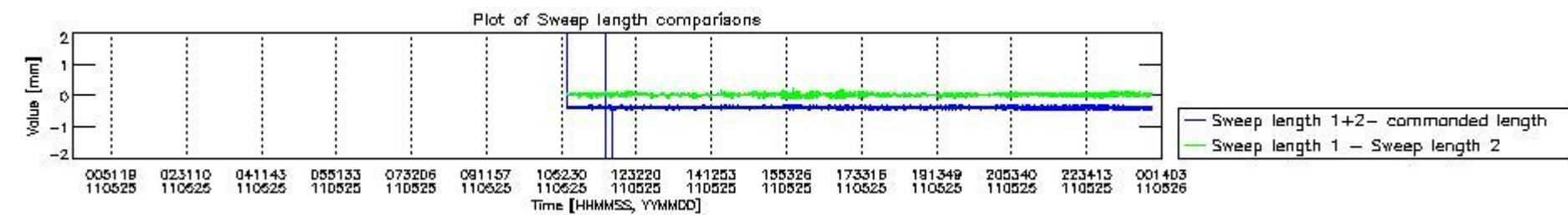
mipas_daily_report_level0_KSPT_L0_4504_N_20110525_5.PNG



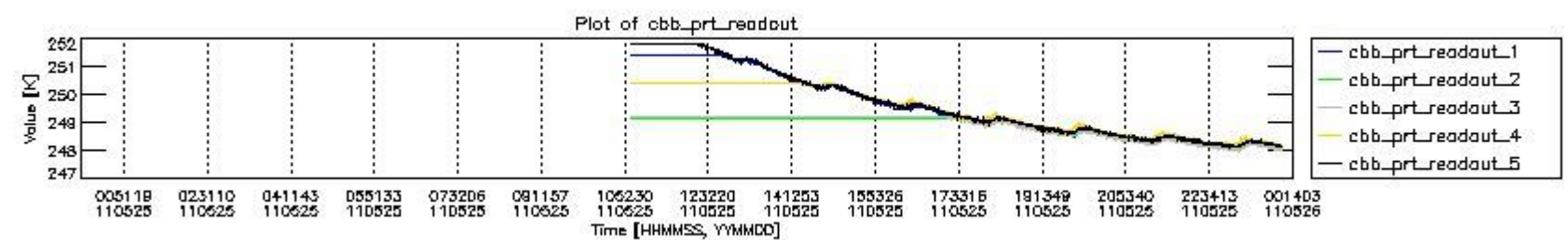
mipas_daily_report_level0_KSPT_L0_4504_N_20110525_6.PNG



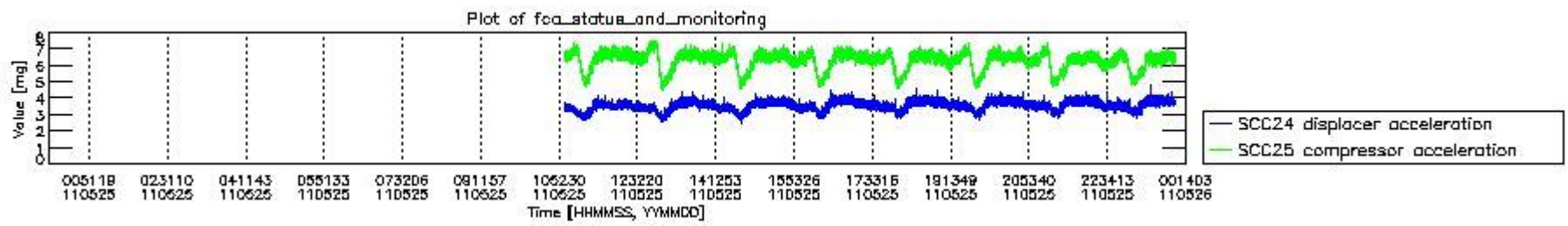
mipas_daily_report_level0_KSPT_L0_4504_N_20110525_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110525_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110525_9.PNG

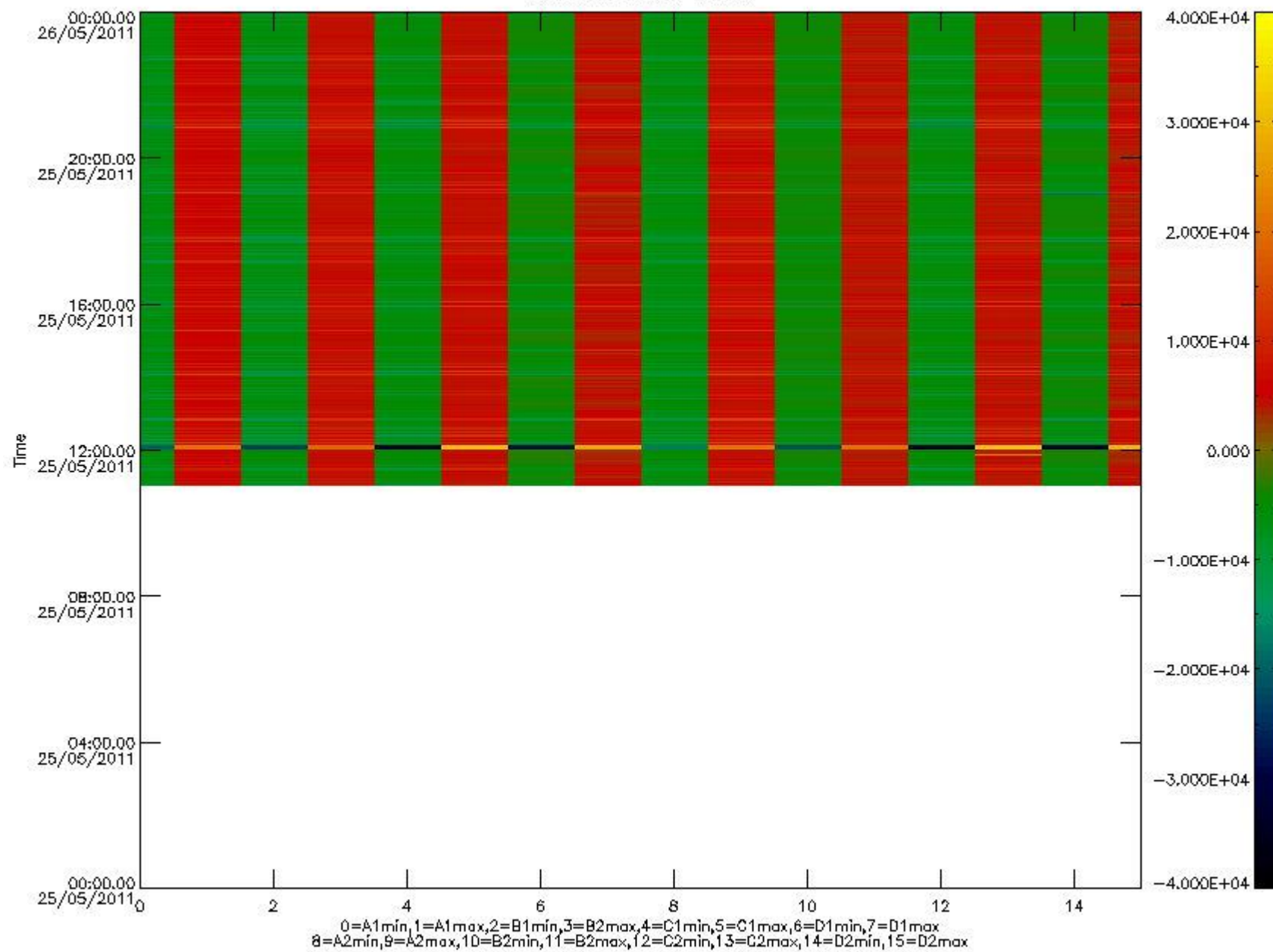


mipas_daily_report_level0_KSPT_L0_4504_N_20110525_10.PNG

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

Channel	Min	Max	ADC
A1	-20239	21859	16bit
B1	-23536	20085	16bit
C1	-32388	32220	16bit
D1	-32768	32767	16bit
A2	-17351	21942	16bit
B2	-22163	21601	16bit
C2	-32768	32767	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_20110525_11.PNG

0.3 ADF monitoring

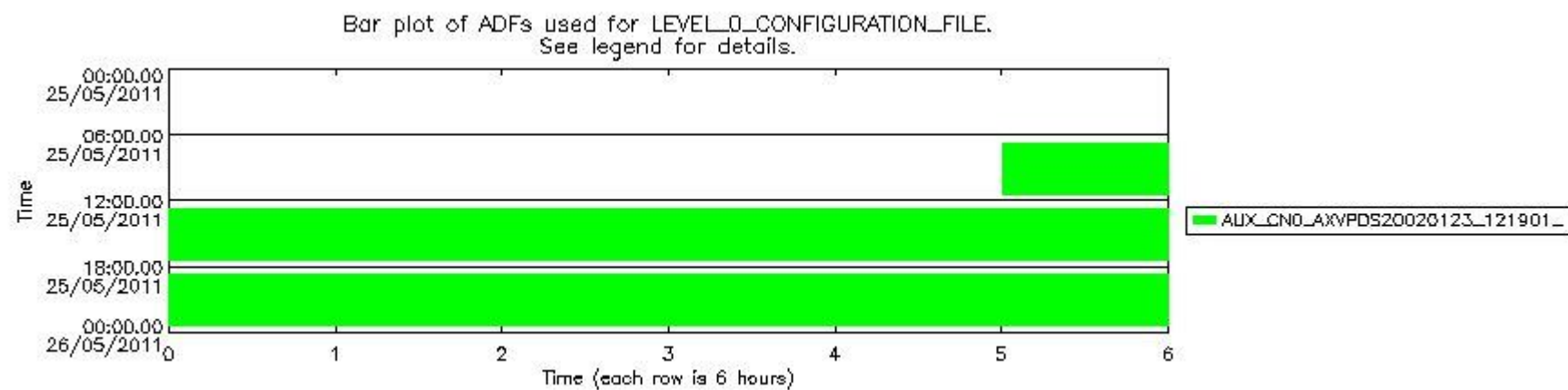
The use of ADFs is shown in two ways:

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.

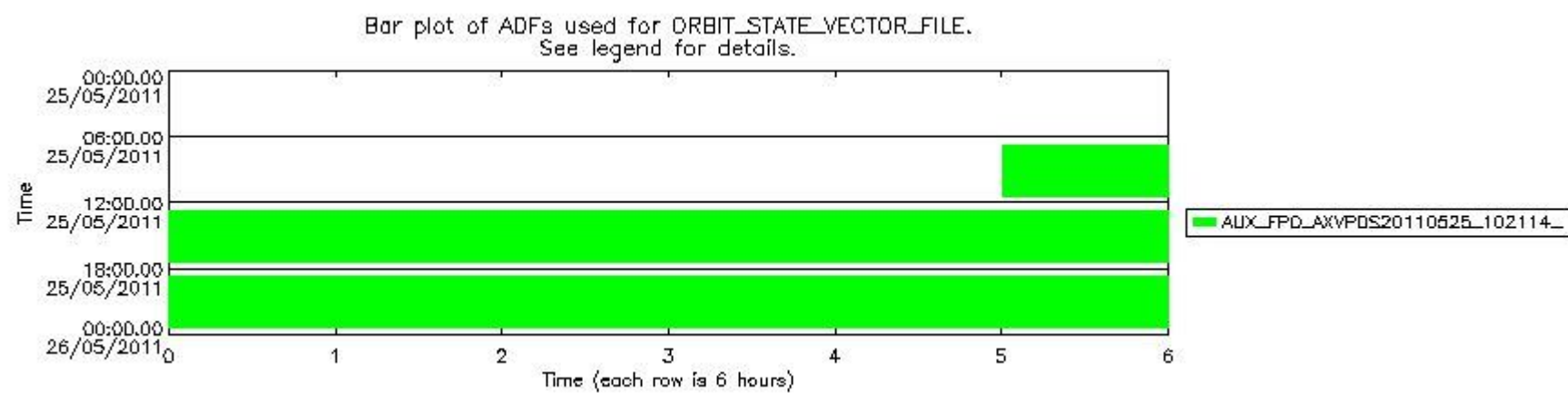
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110525_102114_20110524_191824_20110603_213211

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDK20110525_110014_000053333102_00425_48284_5238.N1	0	1

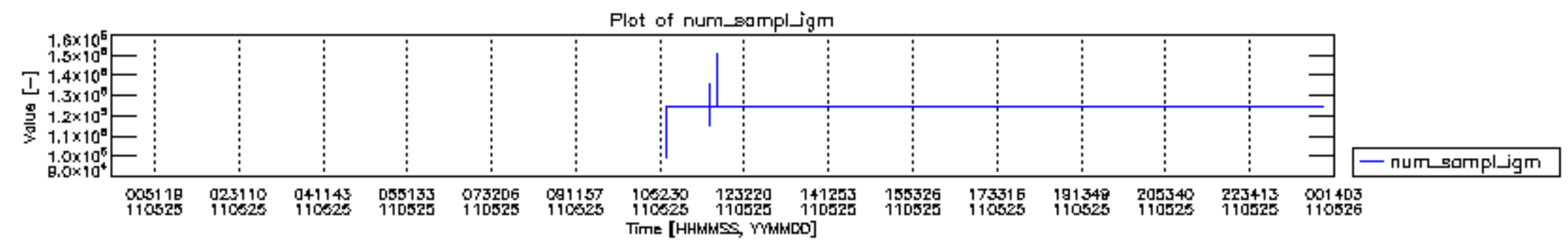
1	MIP_NL__0PNPDK20110525_122826_000059353102_00426_48285_5239.N1	0	1
2	MIP_NL__0PNPDK20110525_140647_000058833102_00427_48286_5240.N1	0	1
3	MIP_NL__0PNPDK20110525_154418_000057723102_00428_48287_5241.N1	0	1
4	MIP_NL__0PNPDK20110525_171938_000059353102_00429_48288_5242.N1	0	1
5	MIP_NL__0PNPDK20110525_185701_000061653102_00430_48289_5243.N1	0	1
6	MIP_NL__0PNPDE20110525_203810_000043513102_00431_48290_8787.N1	0	1
7	MIP_NL__0PNPDE20110525_214943_000061403102_00431_48290_8788.N1	0	1
8	MIP_NL__0PNPDE20110525_233053_000060733103_00001_48291_8789.N1	0	1

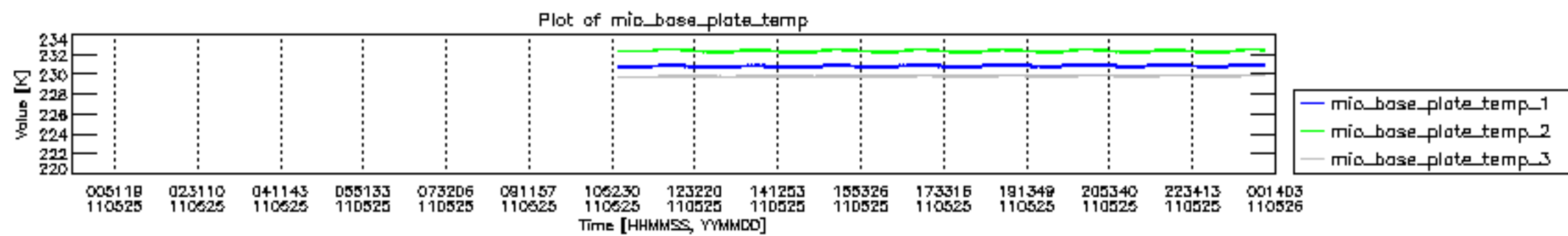


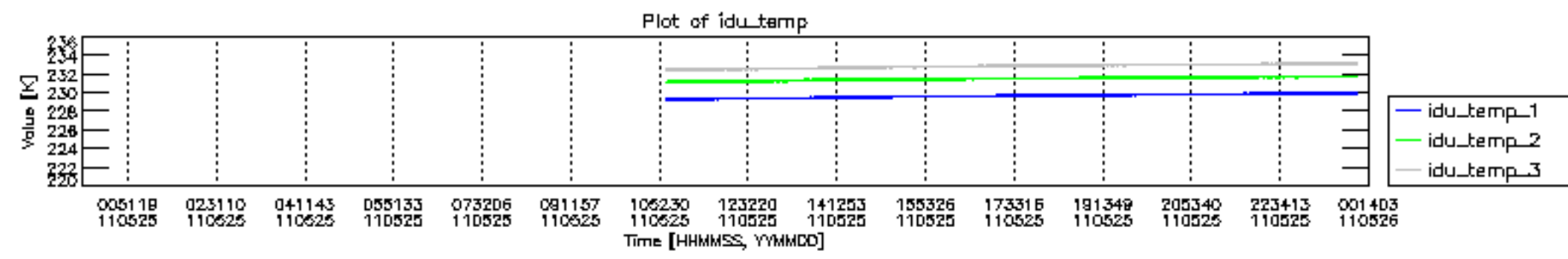
mipas_daily_report_level0_KSPT_L0_4504_N_20110525_12.PNG

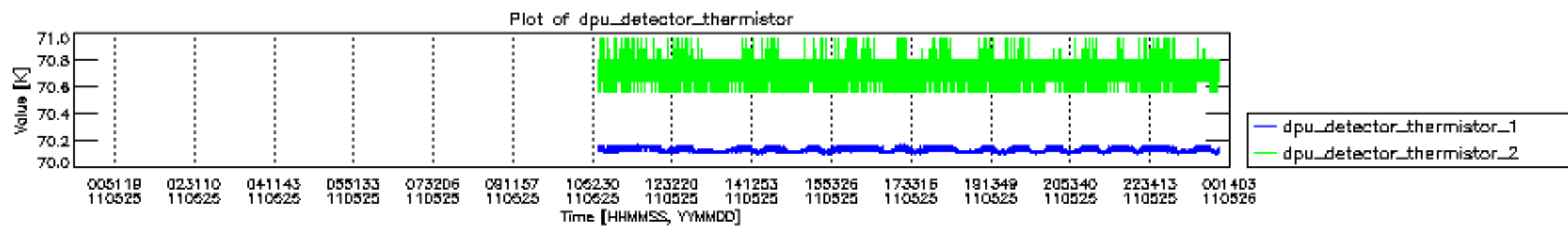


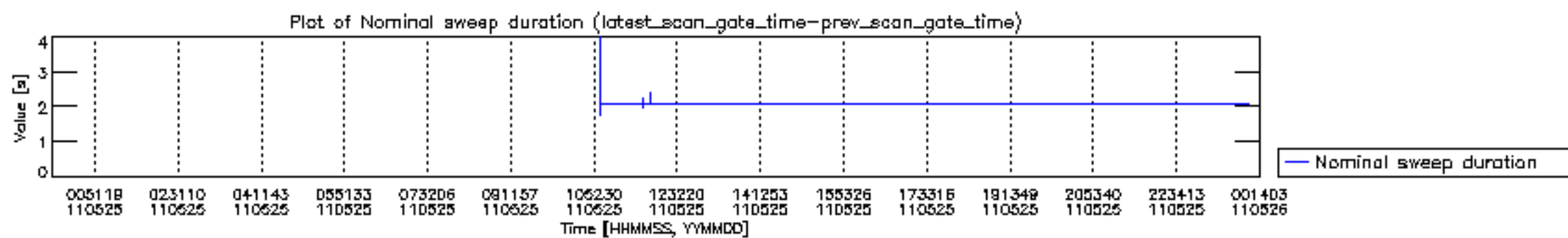
mipas_daily_report_level0_KSPT_L0_4504_N_20110525_13.PNG

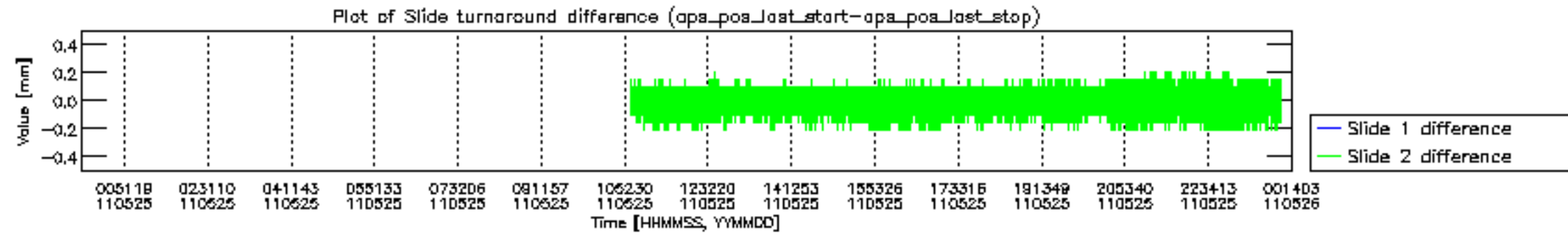


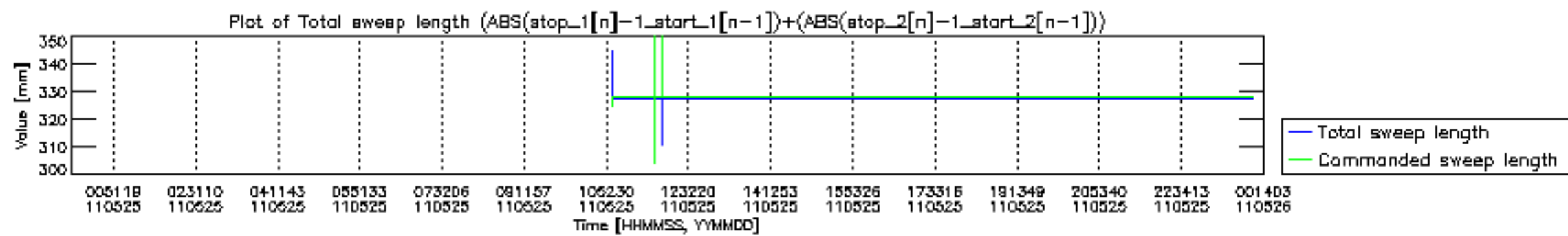


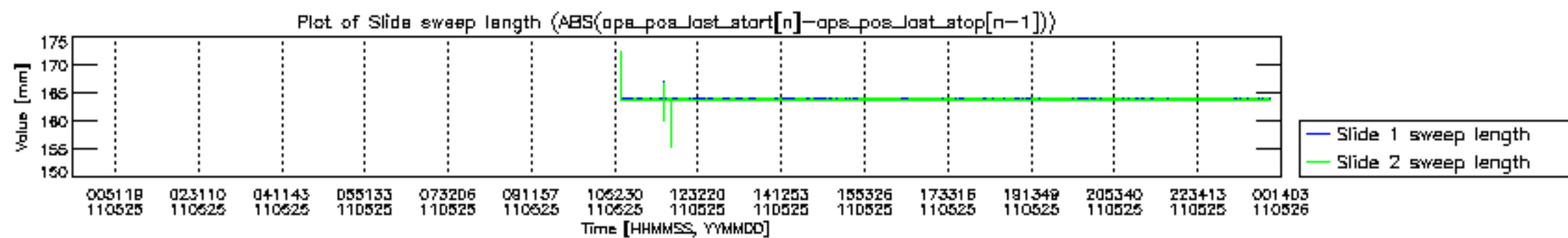


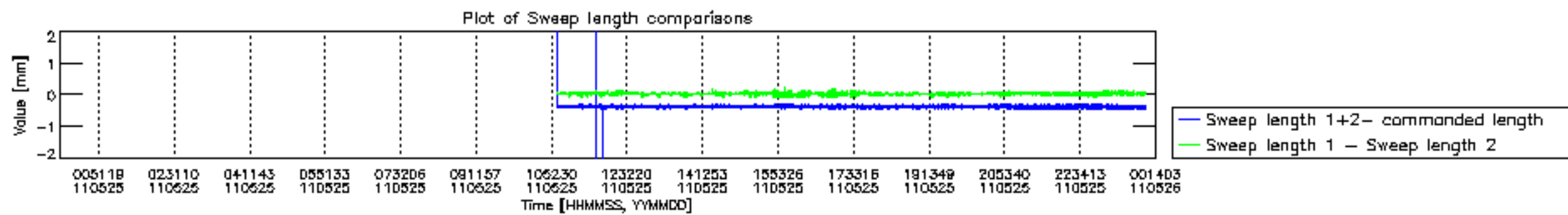


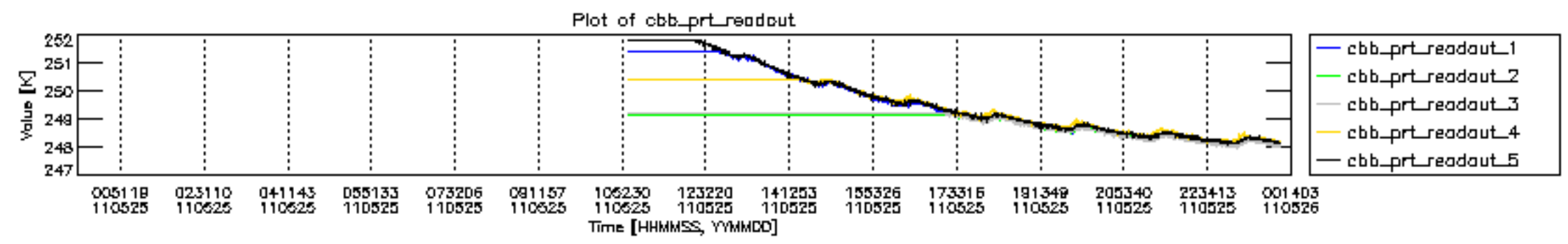


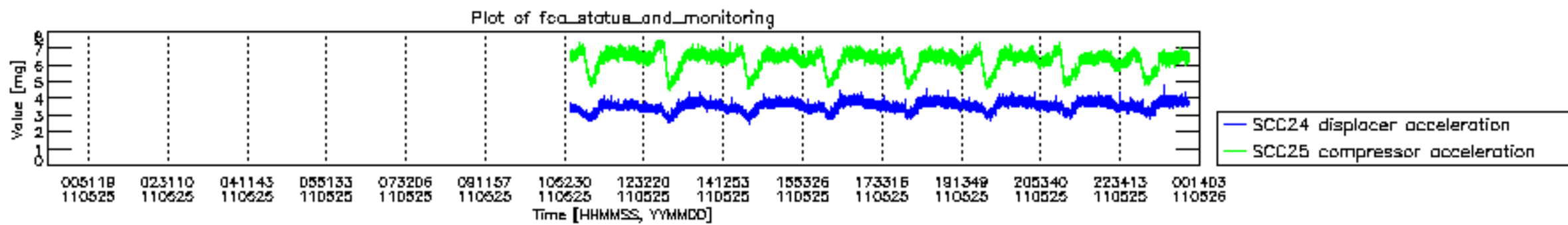












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

