

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	19MAY2011 05:24:09
Data source version	KSPT_L0/4504-N
Processing scope for products	14MAY2011 00:00:00 to 15MAY2011 00:00:00
Start time of first product within scope	14MAY2011 00:10:14
Stop time of last product within scope	15MAY2011 01:15:10
Total number of level 0 products	7
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.

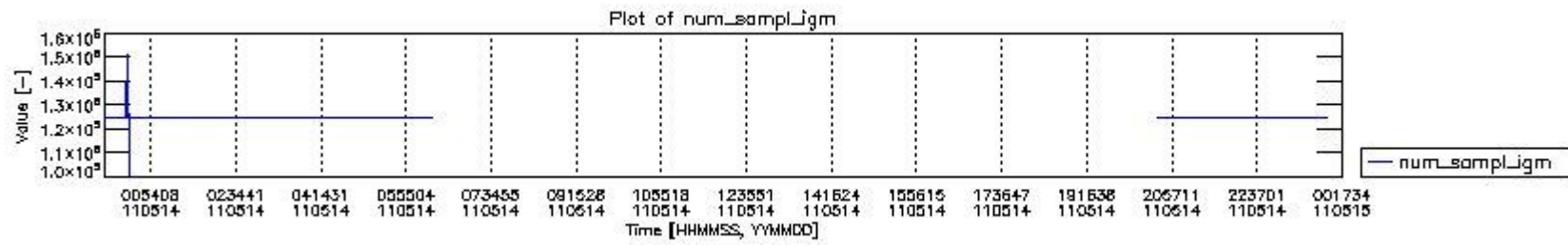
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110514_001014_000059723102_00260_48119_8756.N1	14MAY2011 00:10:14	14MAY2011 01:49:45	0	0	0	0	0
1	MIP_NL__0PNPDE20110514_014845_000044123102_00261_48120_8757.N1	14MAY2011 01:48:45	14MAY2011 03:02:17	0	0	0	0	0
2	MIP_NL__0PNPDE20110514_030143_000061823102_00262_48121_8758.N1	14MAY2011 03:01:43	14MAY2011 04:44:45	0	0	0	0	0
3	MIP_NL__0PNPDE20110514_044409_000060273102_00263_48122_8759.N1	14MAY2011 04:44:09	14MAY2011 06:24:36	0	0	0	0	0
4	MIP_NL__0PNPDE20110514_204042_000043203102_00273_48132_8760.N1	14MAY2011 20:40:42	14MAY2011 21:52:42	0	0	0	0	0
5	MIP_NL__0PNPDE20110514_215139_000062073102_00273_48132_8761.N1	14MAY2011 21:51:39	14MAY2011 23:35:06	0	0	0	0	0
6	MIP_NL__0PNPDE20110514_233401_000060693102_00274_48133_8762.N1	14MAY2011 23:34:01	15MAY2011 01:15:10	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

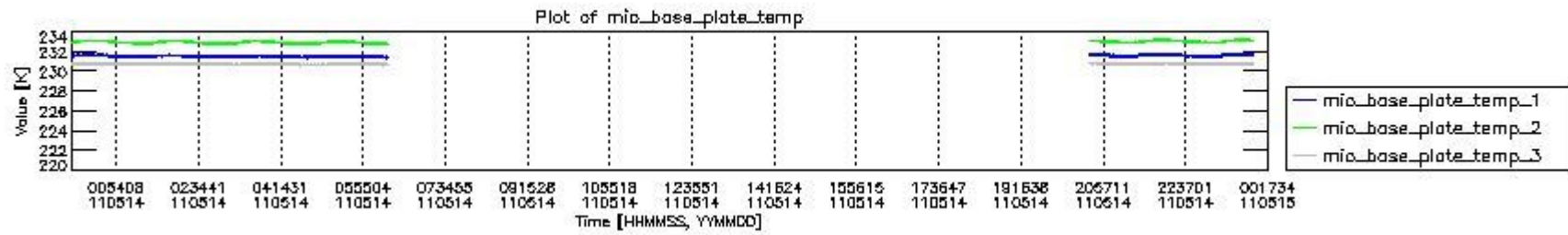
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

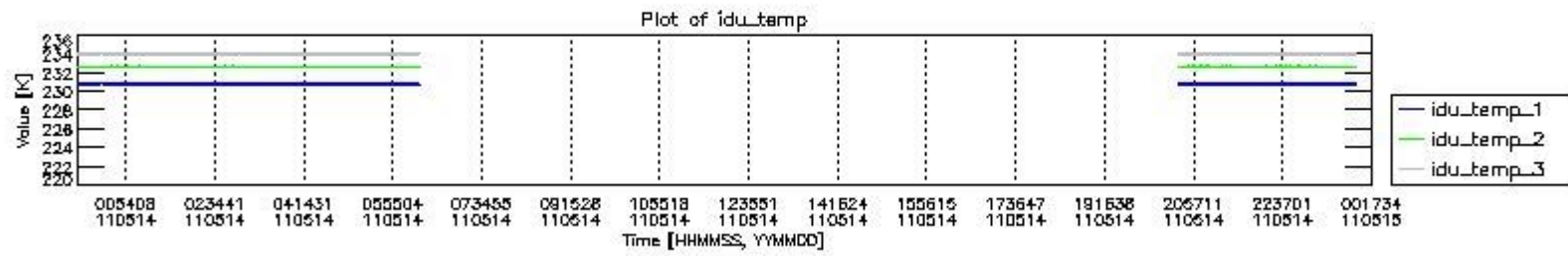
Number of igm samples	Count [#]	Count [%]
100409	1	0.0059808612
124800	15747	94.180622
124803	967	5.7834928
125661	1	0.0059808612
126522	1	0.0059808612
128125	1	0.0059808612
148257	1	0.0059808612
151582	1	0.0059808612



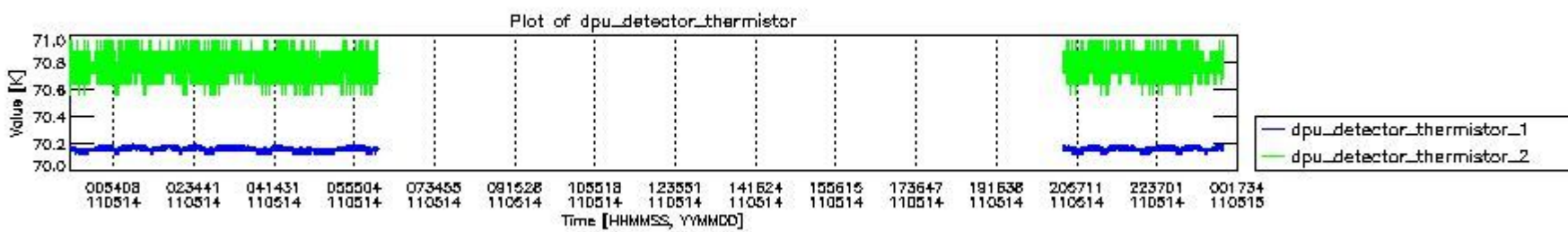
mipas_daily_report_level0_KSPT_L0_4504_N_20110514_0.PNG



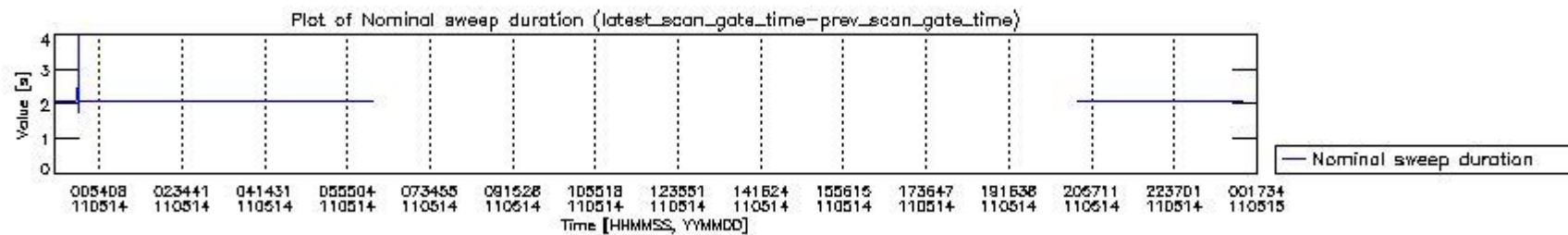
mipas_daily_report_level0_KSPT_L0_4504_N_20110514_1.PNG



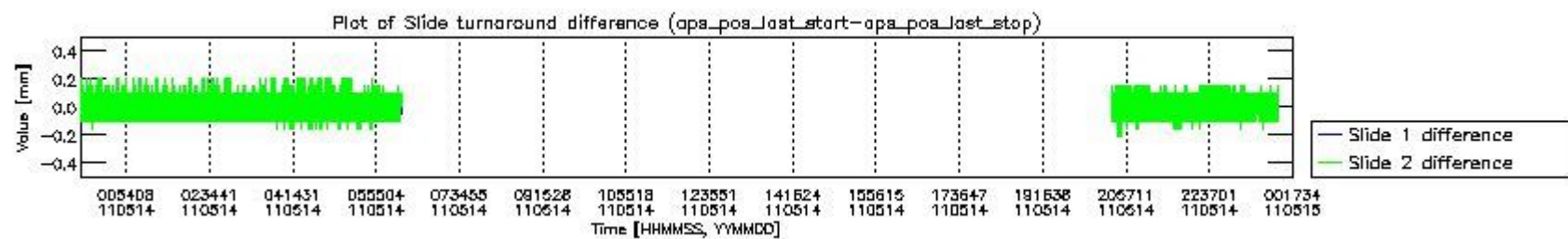
mipas_daily_report_level0_KSPT_L0_4504_N_20110514_2.PNG



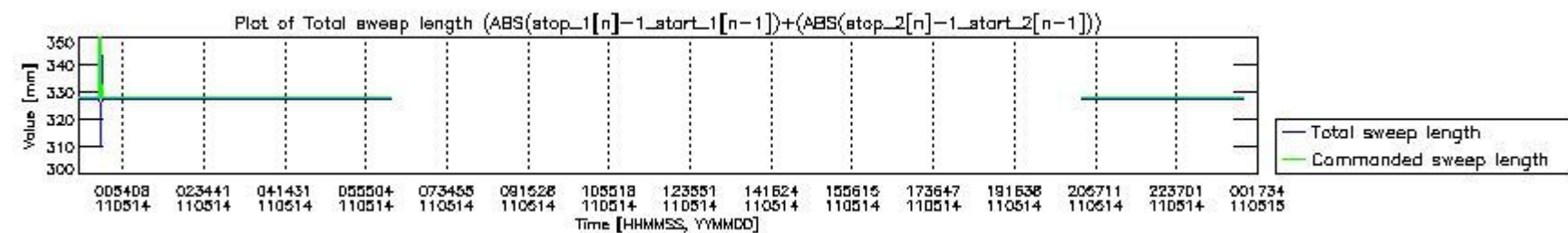
mipas_daily_report_level0_KSPT_L0_4504_N_20110514_3.PNG



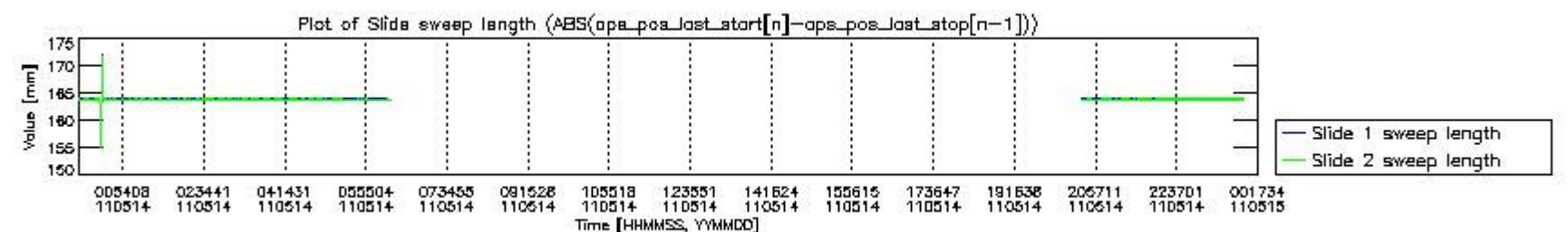
mipas_daily_report_level0_KSPT_L0_4504_N_20110514_4.PNG



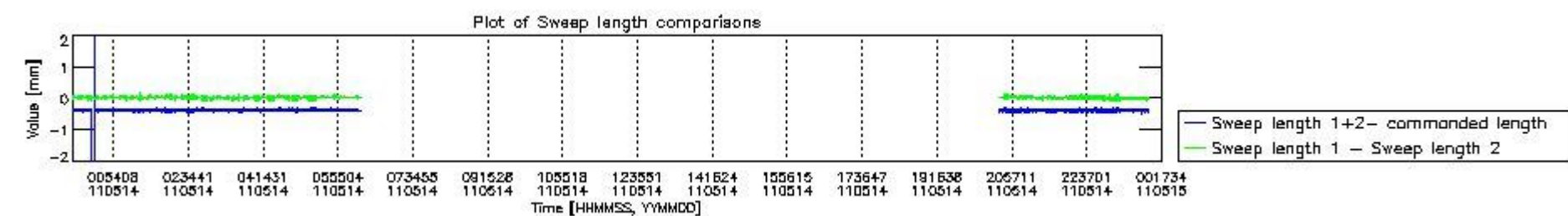
mipas_daily_report_level0_KSPT_L0_4504_N_20110514_5.PNG



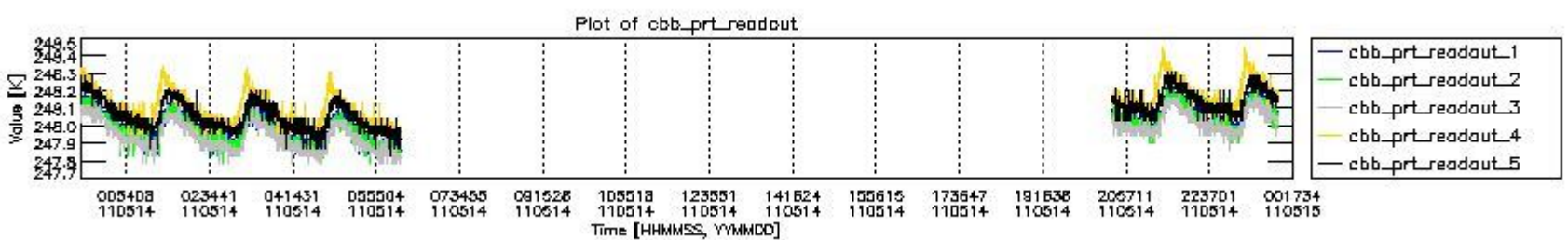
mipas_daily_report_level0_KSPT_L0_4504_N_20110514_6.PNG



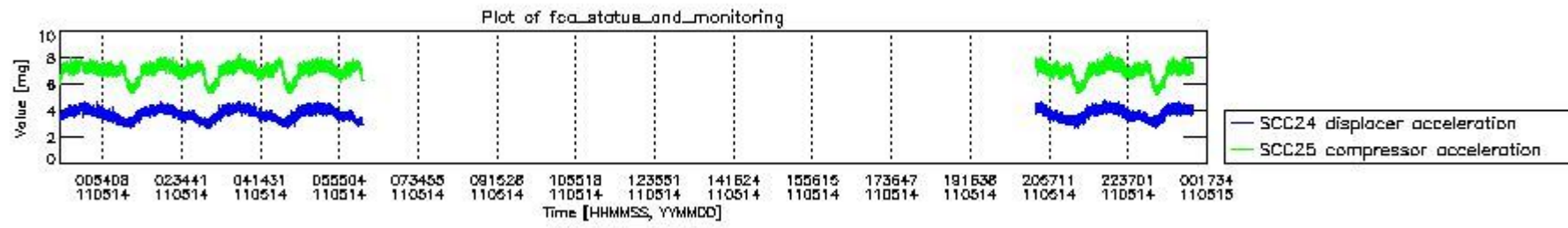
mipas_daily_report_level0_KSPT_L0_4504_N_20110514_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110514_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110514_9.PNG

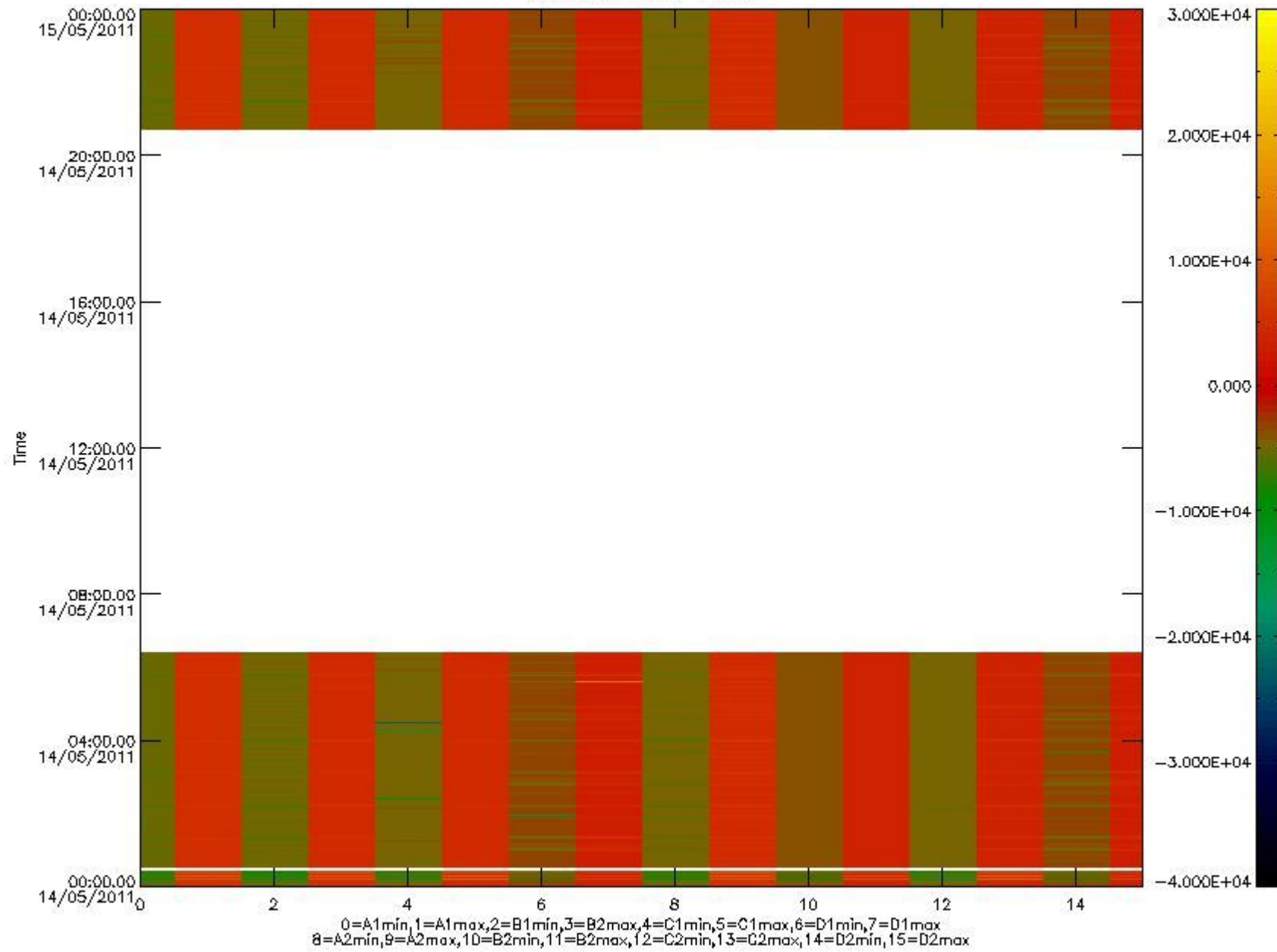


mipas_daily_report_level0_KSPT_L0_4504_N_20110514_10.PNG

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

Channel	Min	Max	ADC
A1	-17502	18637	16bit
B1	-19110	16389	16bit
C1	-22585	21805	16bit
D1	-18475	29833	16bit
A2	-14920	18336	16bit
B2	-17079	16481	16bit
C2	-22350	22675	16bit
D2	-32768	19281	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110514_11.PNG

0.3 ADF monitoring

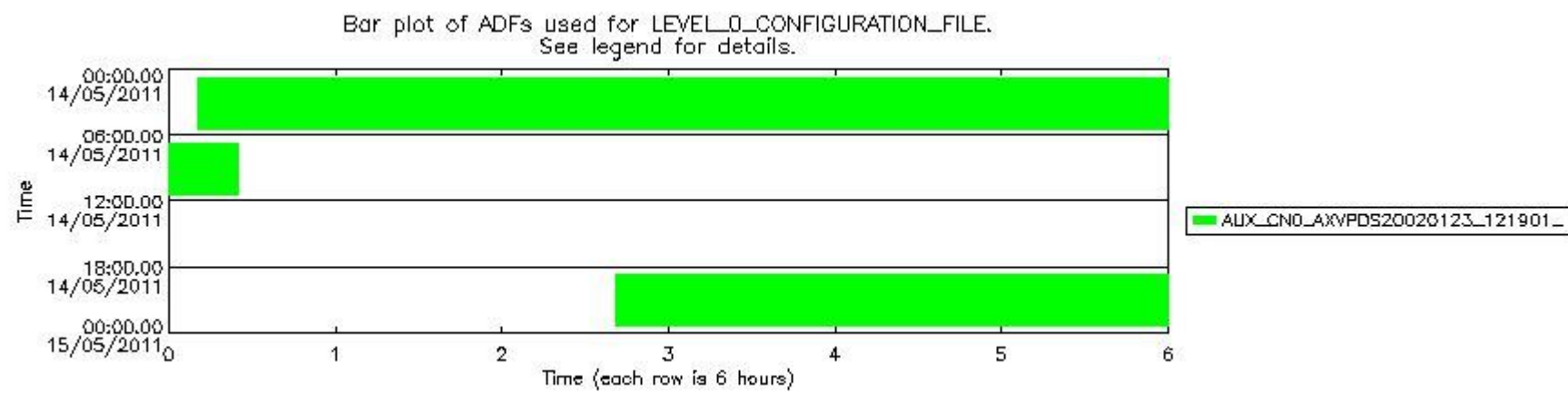
The use of ADFs is shown in two ways:

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.

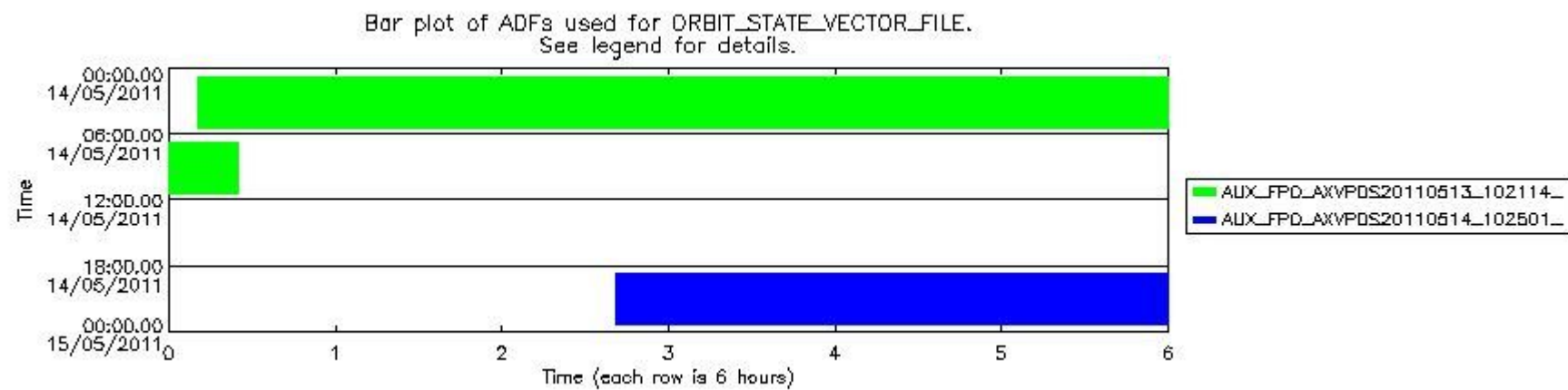
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110513_102114_20110512_195818_20110522_203152
2	AUX_FPO_AXVPDS20110514_102501_20110513_192134_20110523_213522

Number	Product name	#CN0	#FPO
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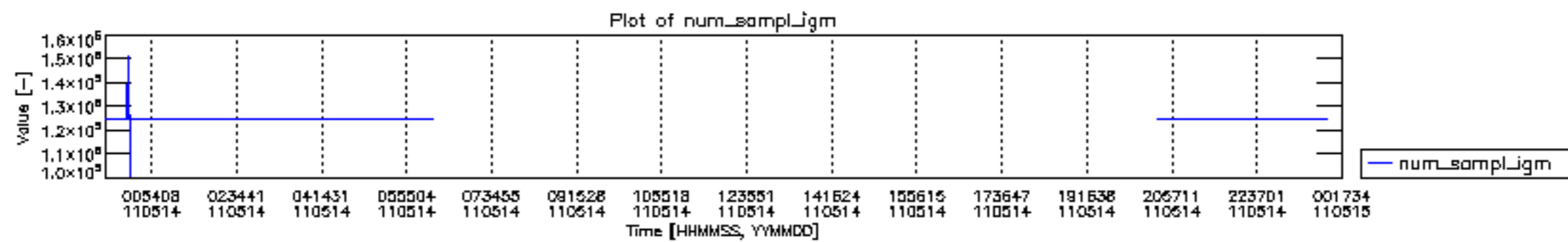
0	MIP_NL__0PNPDE20110514_001014_000059723102_00260_48119_8756.N1	0	1
1	MIP_NL__0PNPDE20110514_014845_000044123102_00261_48120_8757.N1	0	1
2	MIP_NL__0PNPDE20110514_030143_000061823102_00262_48121_8758.N1	0	1
3	MIP_NL__0PNPDE20110514_044409_000060273102_00263_48122_8759.N1	0	1
4	MIP_NL__0PNPDE20110514_204042_000043203102_00273_48132_8760.N1	0	2
5	MIP_NL__0PNPDE20110514_215139_000062073102_00273_48132_8761.N1	0	2
6	MIP_NL__0PNPDE20110514_233401_000060693102_00274_48133_8762.N1	0	2

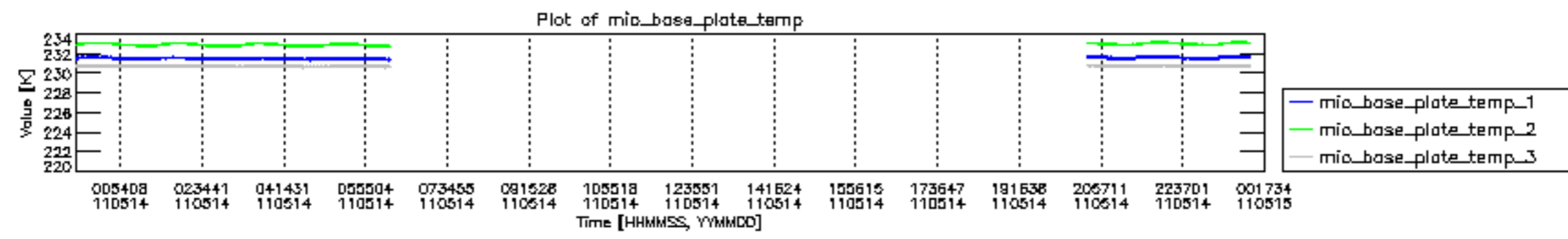


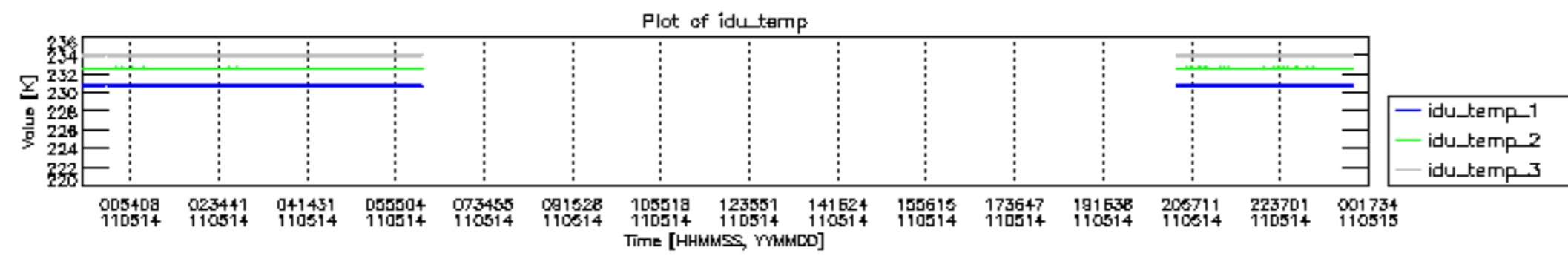
mipas_daily_report_level0_KSPT_L0_4504_N_20110514_12.PNG

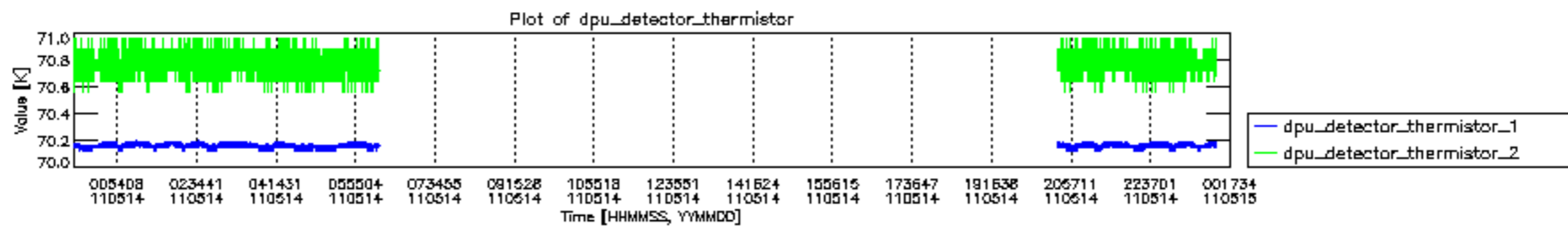


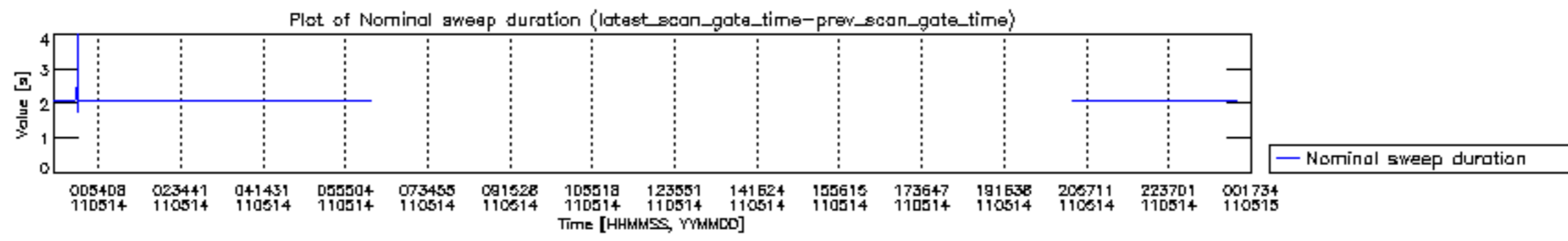
mipas_daily_report_level0_KSPT_L0_4504_N_20110514_13.PNG

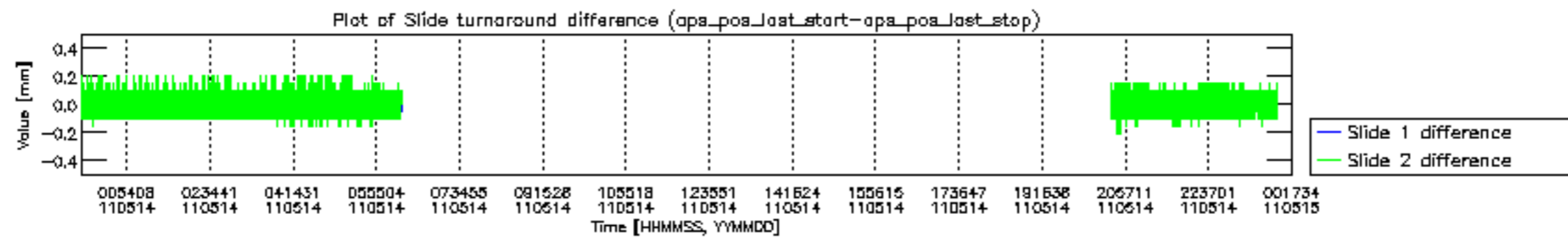


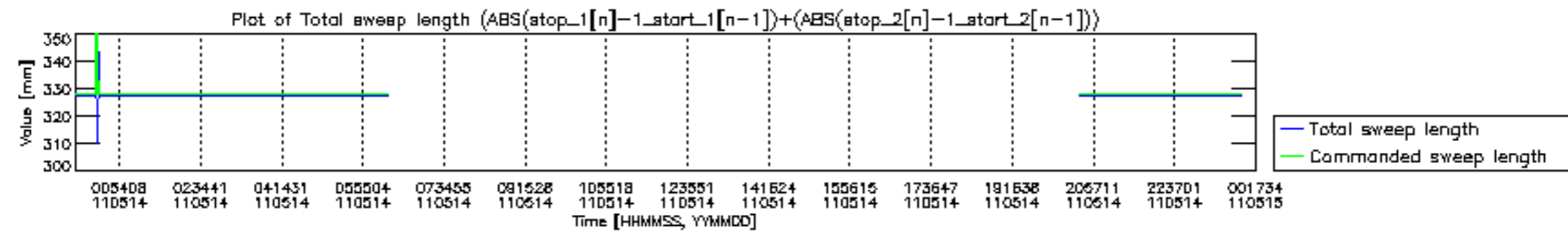


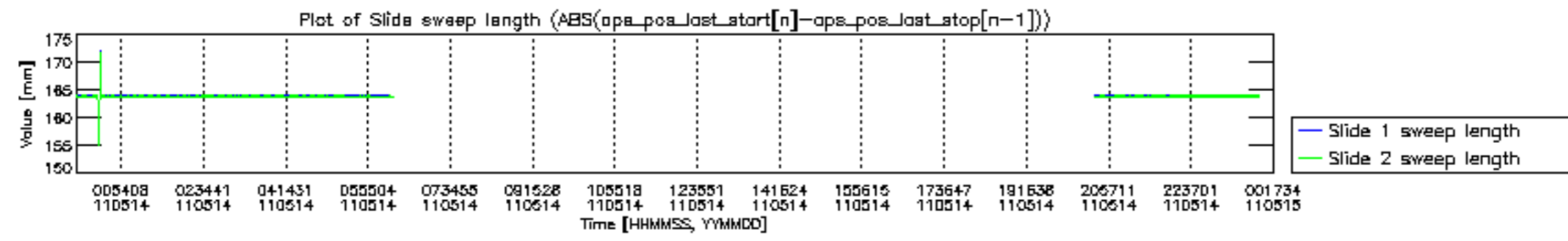


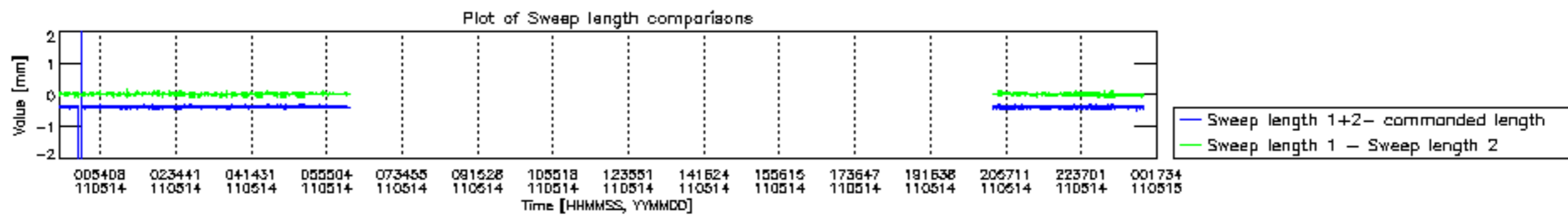


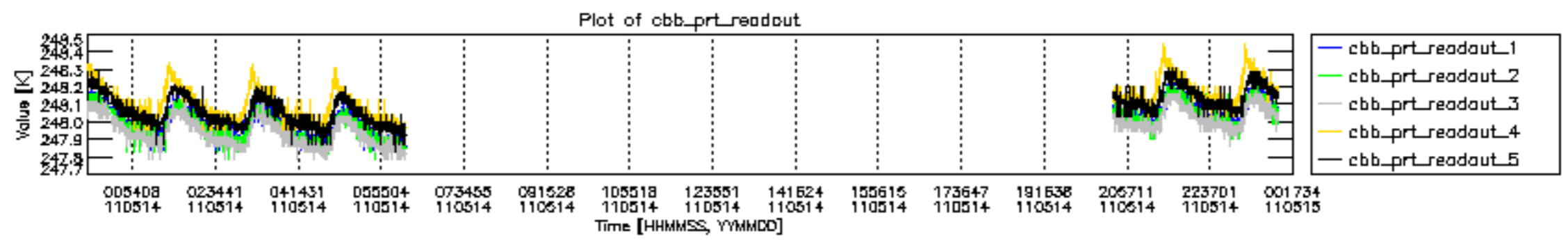


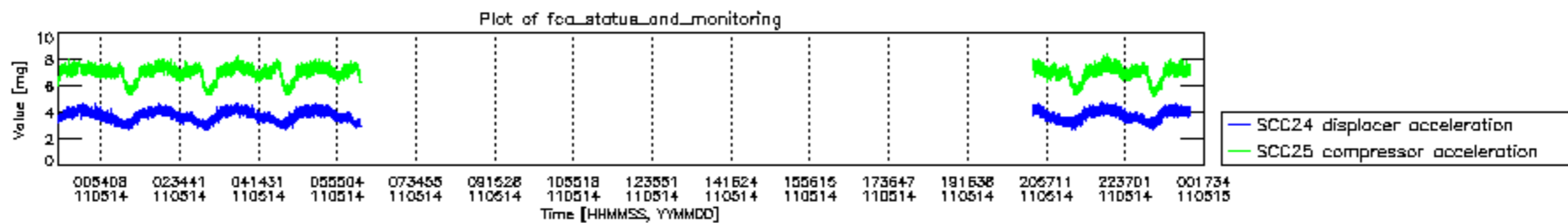












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



