

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	26JUN2011 05:27:13
Data source version	KSPT_L0/4504-N
Processing scope for products	21JUN2011 00:00:00 to 22JUN2011 00:00:00
Start time of first product within scope	21JUN2011 01:55:01
Stop time of last product within scope	22JUN2011 01:20:41
Total number of level 0 products	11
Number of level 0 products with errors	1

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

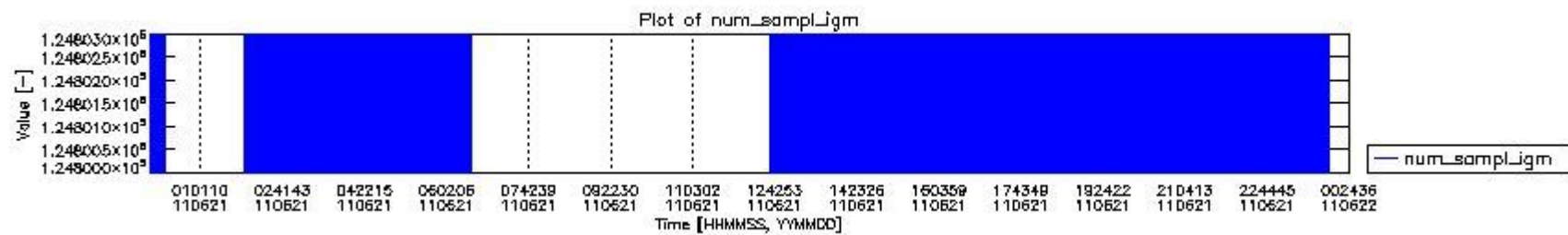
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__OPNPDE20110621_015501_000045213103_00376_48666_9081.N1	21JUN2011 01:55:01	21JUN2011 03:10:22	0	0	0	0	0
1	MIP_NL__OPNPDE20110621_030949_000060883103_00377_48667_9082.N1	21JUN2011 03:09:49	21JUN2011 04:51:16	0	0	0	0	0
2	MIP_NL__OPNPDE20110621_045043_000060583103_00378_48668_9083.N1	21JUN2011 04:50:43	21JUN2011 06:31:41	0	0	0	0	0
3	MIP_NL__OPNPDK20110621_123720_000060273103_00383_48673_5551.N1	21JUN2011 12:37:20	21JUN2011 14:17:47	0	0	0	0	0
4	MIP_NL__OPNPDK20110621_141714_000058333103_00384_48674_5552.N1	21JUN2011 14:17:14	21JUN2011 15:54:27	1	1	0	0	0
5	MIP_NL__OPNPDK20110621_155355_000059123103_00385_48675_5553.N1	21JUN2011 15:53:55	21JUN2011 17:32:27	0	0	0	0	0
6	MIP_NL__OPNPDK20110621_173143_000058993103_00386_48676_5554.N1	21JUN2011 17:31:43	21JUN2011 19:10:03	0	0	0	0	0
7	MIP_NL__OPNPDK20110621_190904_000060313103_00387_48677_5555.N1	21JUN2011 19:09:04	21JUN2011 20:49:36	0	0	0	0	0
8	MIP_NL__OPNPDE20110621_204757_000043083103_00388_48678_9084.N1	21JUN2011 20:47:57	21JUN2011 21:59:45	0	0	0	0	0
9	MIP_NL__OPNPDE20110621_215847_000062303103_00388_48678_9085.N1	21JUN2011 21:58:47	21JUN2011 23:42:36	0	0	0	0	0
10	MIP_NL__OPNPDE20110621_234136_000059463103_00389_48679_9086.N1	21JUN2011 23:41:36	22JUN2011 01:20:41	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

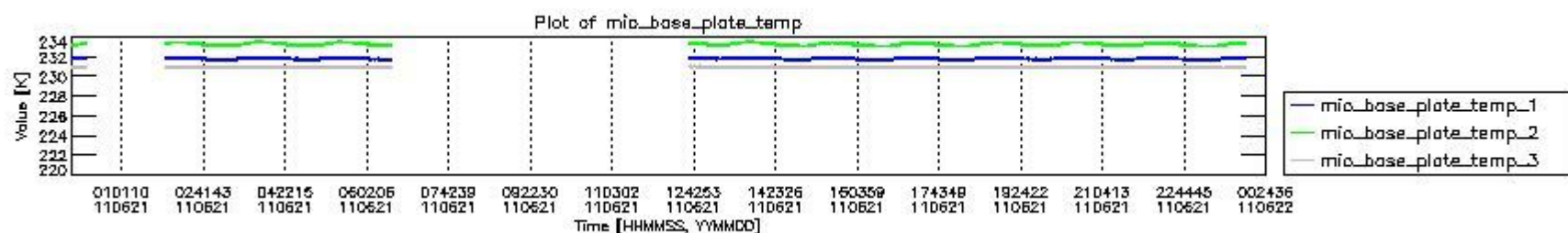
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

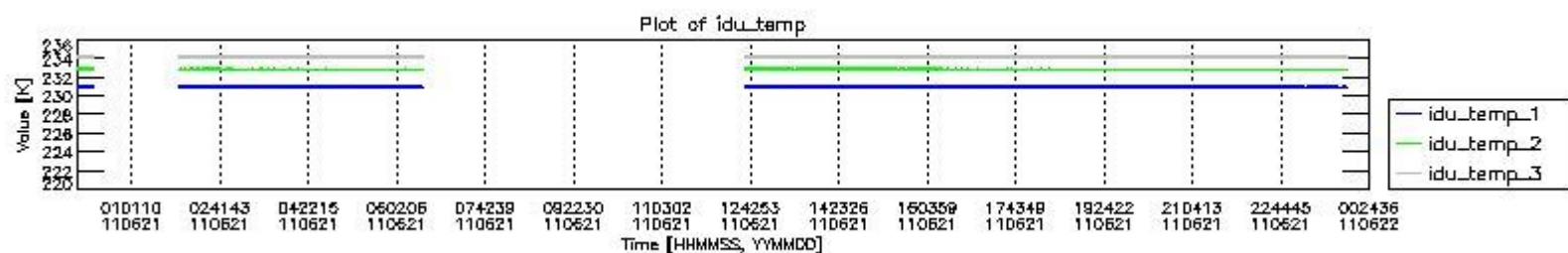
Number of igm samples	Count [#]	Count [%]
124800	26216	92.826287
124803	2026	7.1737129



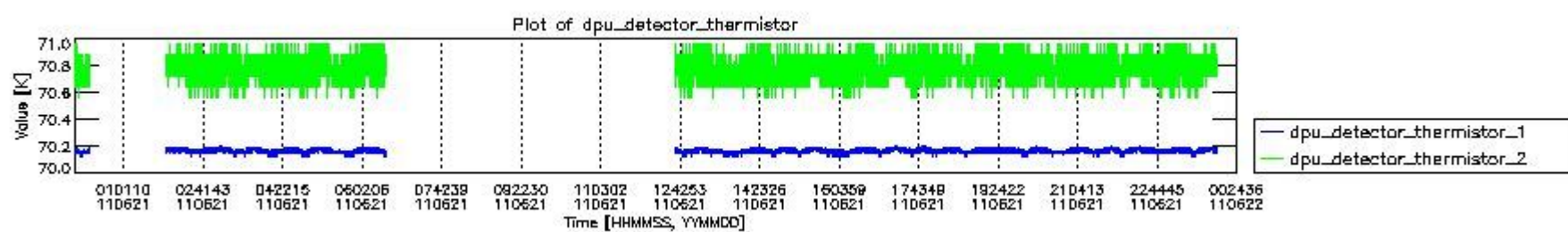
mipas_daily_report_level0_KSPT_L0_4504_N_20110621_0.PNG



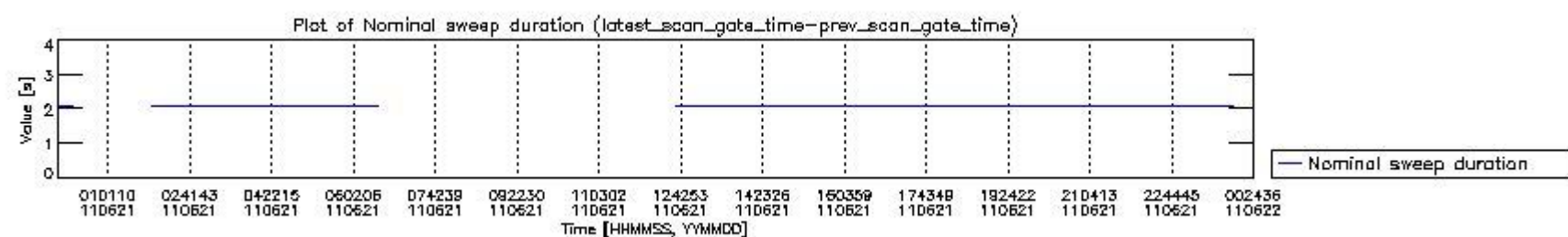
mipas_daily_report_level0_KSPT_L0_4504_N_20110621_1.PNG



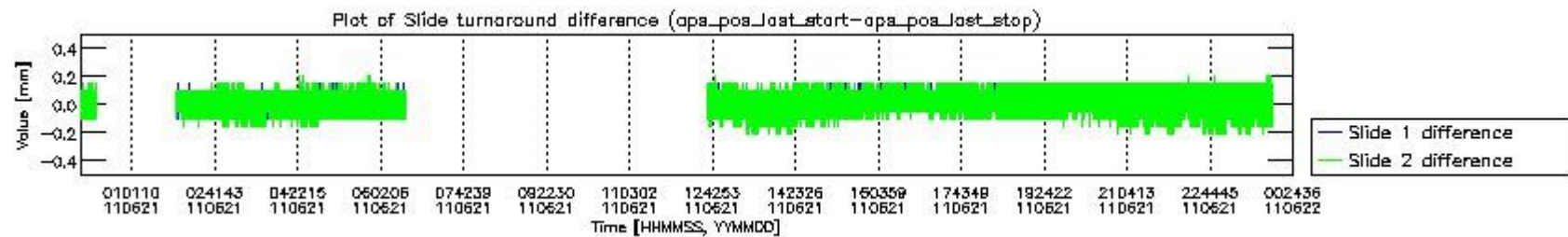
mipas_daily_report_level0_KSPT_L0_4504_N_20110621_2.PNG



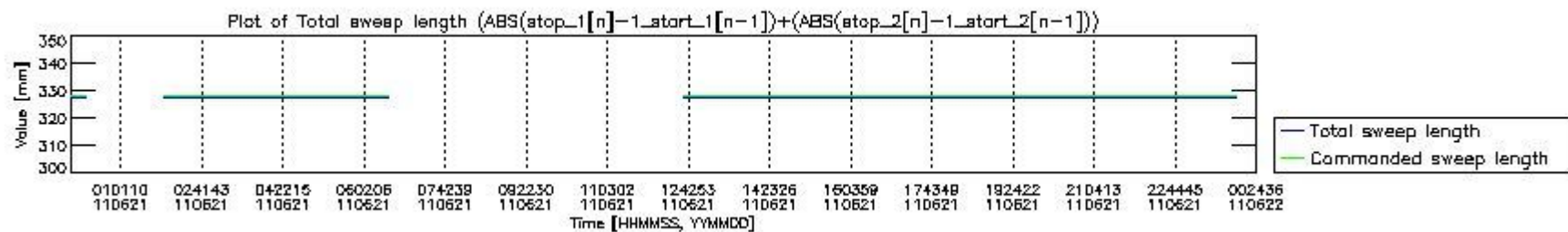
mipas_daily_report_level0_KSPT_L0_4504_N_20110621_3.PNG



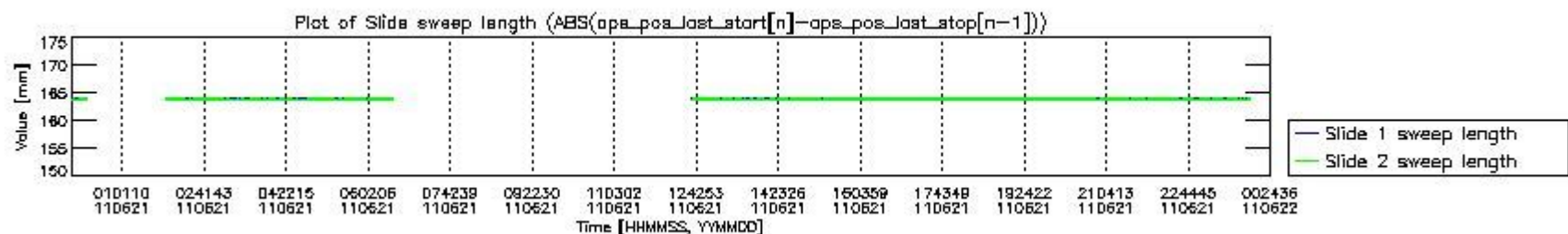
mipas_daily_report_level0_KSPT_L0_4504_N_20110621_4.PNG



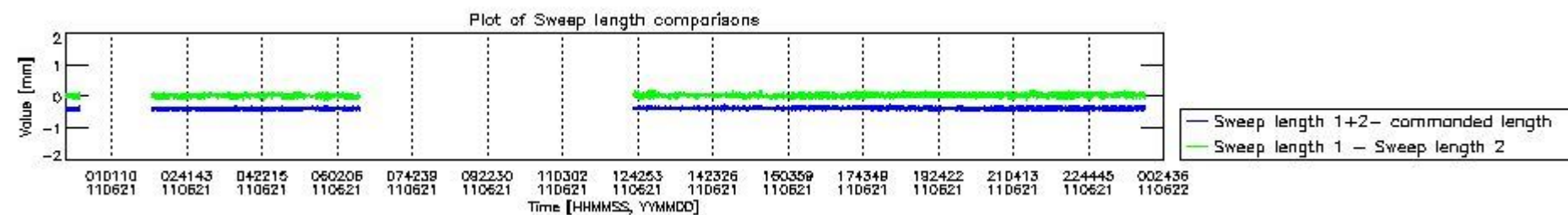
mipas_daily_report_level0_KSPT_L0_4504_N_20110621_5.PNG



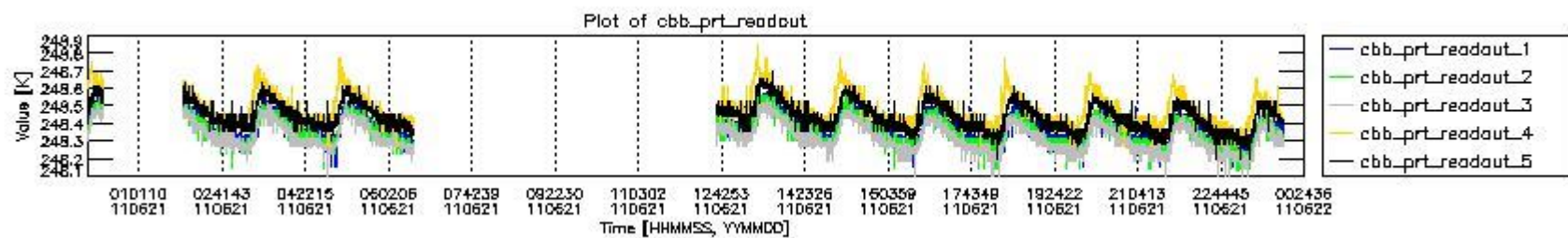
mipas_daily_report_level0_KSPT_L0_4504_N_20110621_6.PNG



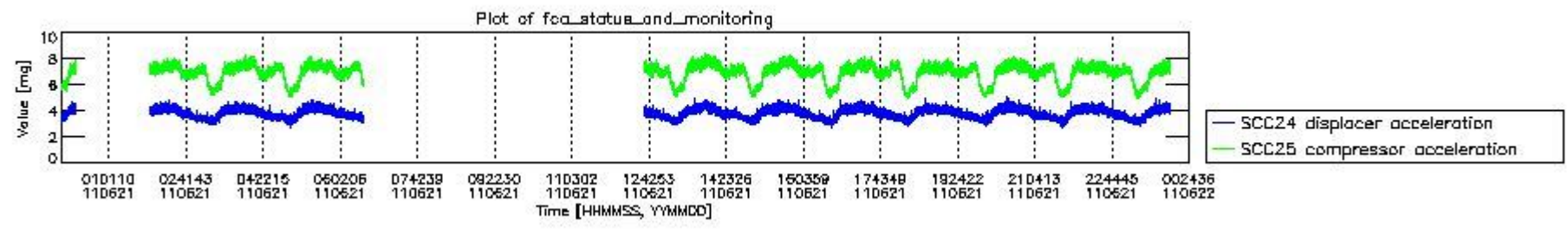
mipas_daily_report_level0_KSPT_L0_4504_N_20110621_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110621_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110621_9.PNG

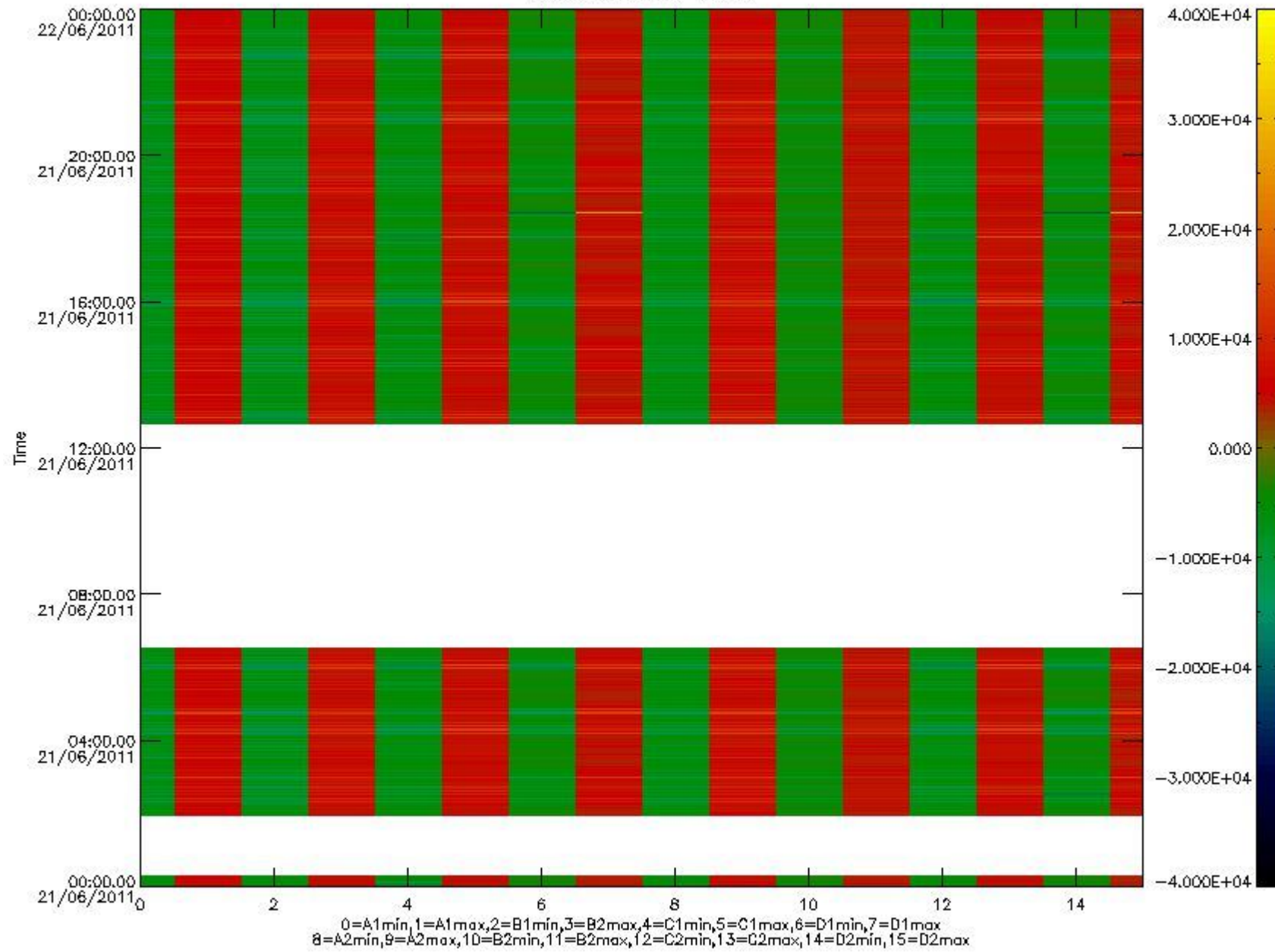


mipas_daily_report_level0_KSPT_L0_4504_N_20110621_10.PNG

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

Channel	Min	Max	ADC
A1	-18425	19253	16bit
B1	-18304	16000	16bit
C1	-24693	18674	16bit
D1	-32768	32767	16bit
A2	-15586	19001	16bit
B2	-14684	14593	16bit
C2	-19462	24615	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_20110621_11.PNG

0.3 ADF monitoring

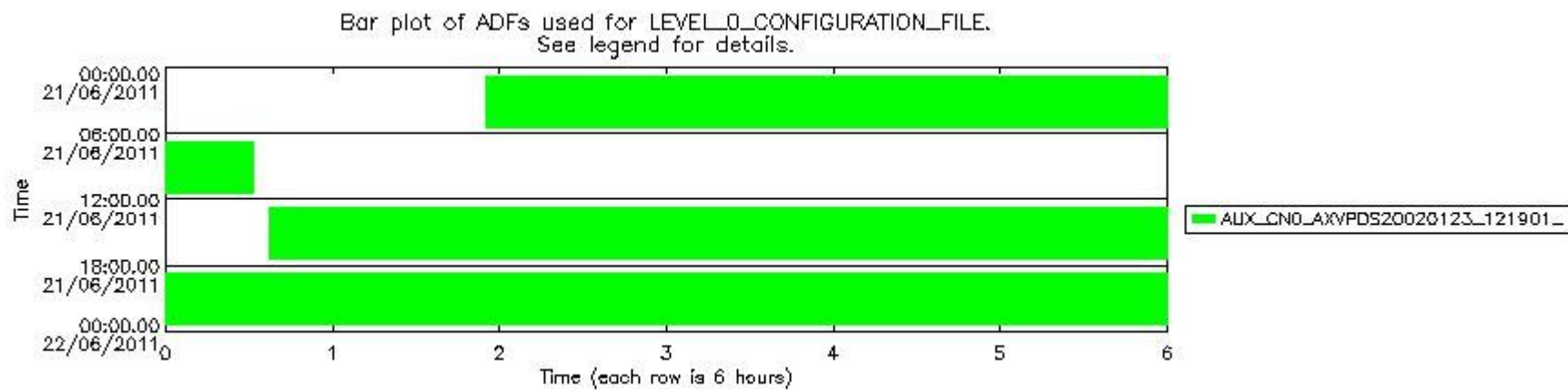
The use of ADFs is shown in two ways:

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.

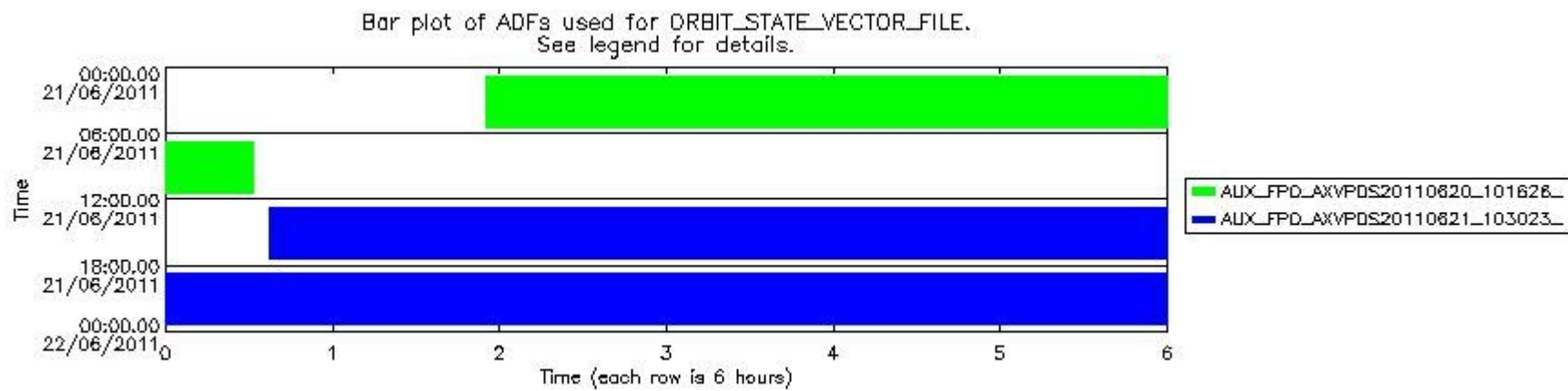
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110620_101626_20110619_182520_20110629_203908
2	AUX_FPO_AXVPDS20110621_103023_20110620_192850_20110630_200224

Number	Product name	#CN0	#FPO
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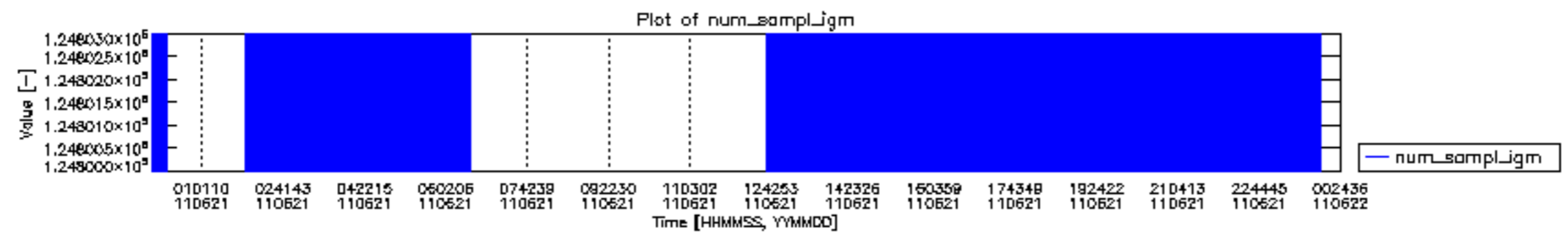
0	MIP_NL__0PNPDE20110621_015501_000045213103_00376_48666_9081.N1	0	1
1	MIP_NL__0PNPDE20110621_030949_000060883103_00377_48667_9082.N1	0	1
2	MIP_NL__0PNPDE20110621_045043_000060583103_00378_48668_9083.N1	0	1
3	MIP_NL__0PNPDK20110621_123720_000060273103_00383_48673_5551.N1	0	2
4	MIP_NL__0PNPDK20110621_141714_000058333103_00384_48674_5552.N1	0	2
5	MIP_NL__0PNPDK20110621_155355_000059123103_00385_48675_5553.N1	0	2
6	MIP_NL__0PNPDK20110621_173143_000058993103_00386_48676_5554.N1	0	2
7	MIP_NL__0PNPDK20110621_190904_000060313103_00387_48677_5555.N1	0	2
8	MIP_NL__0PNPDE20110621_204757_000043083103_00388_48678_9084.N1	0	2
9	MIP_NL__0PNPDE20110621_215847_000062303103_00388_48678_9085.N1	0	2
10	MIP_NL__0PNPDE20110621_234136_000059463103_00389_48679_9086.N1	0	2

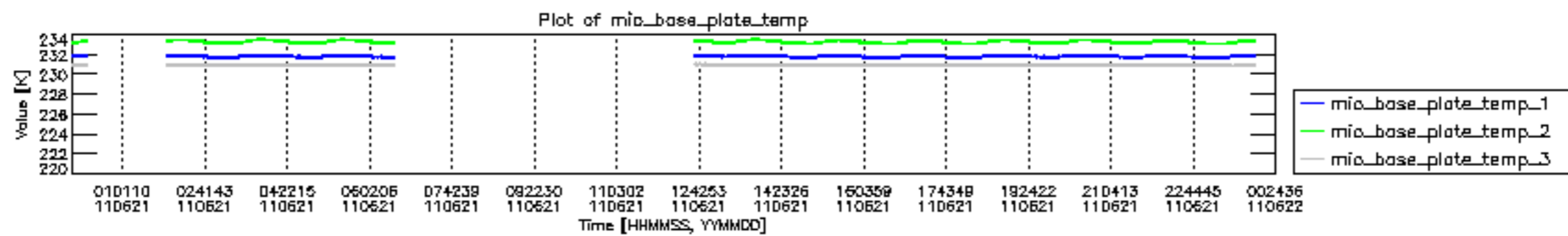


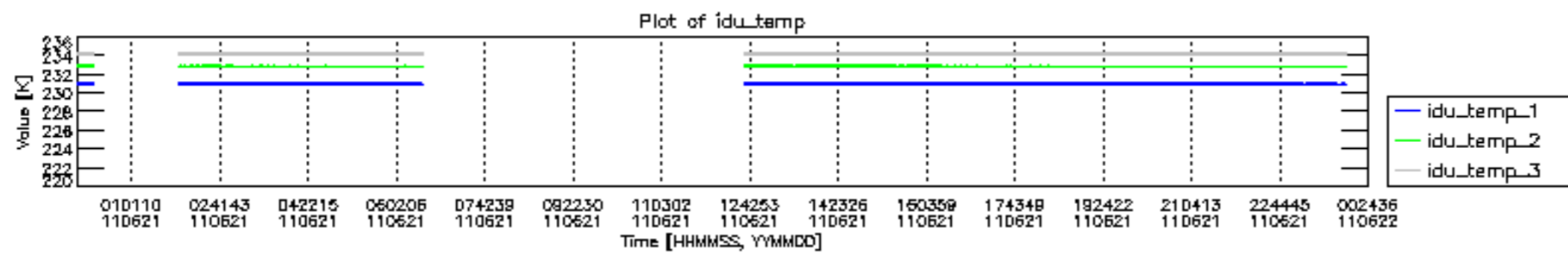
mipas_daily_report_level0_KSPT_L0_4504_N_20110621_12.PNG

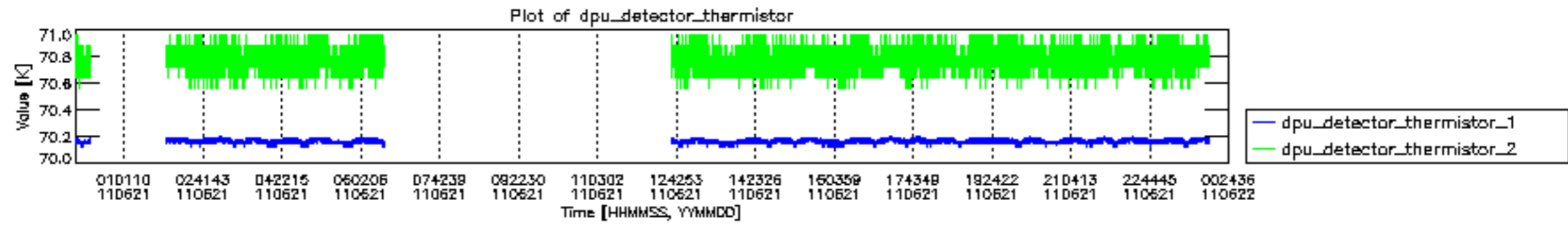


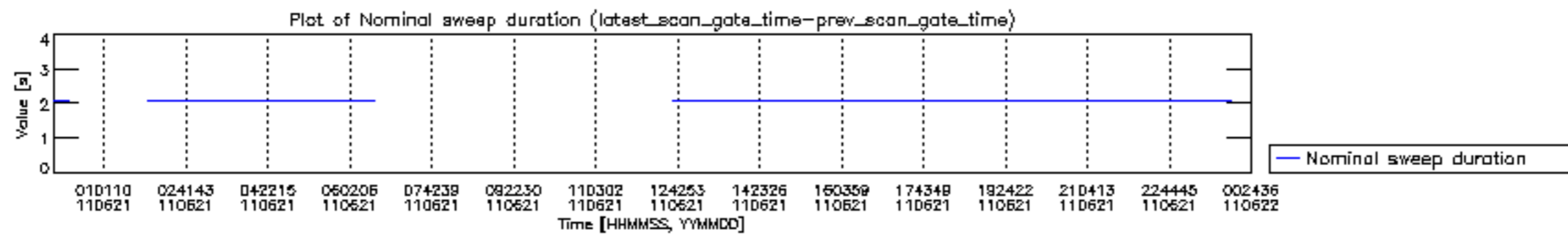
mipas_daily_report_level0_KSPT_L0_4504_N_20110621_13.PNG

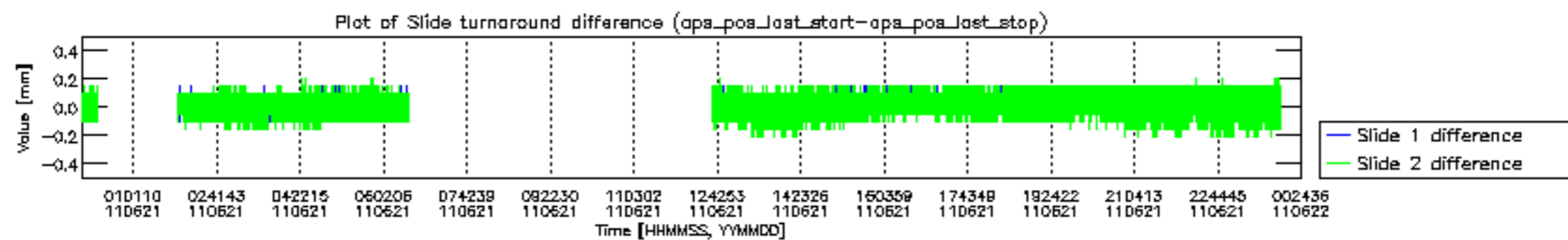


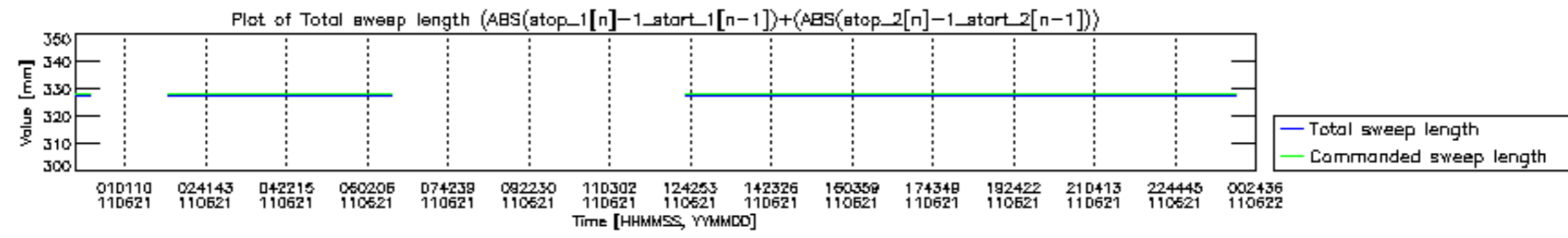


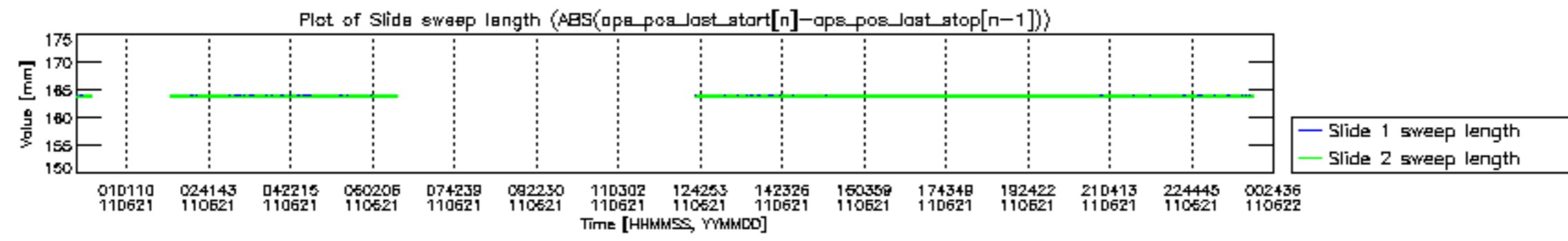


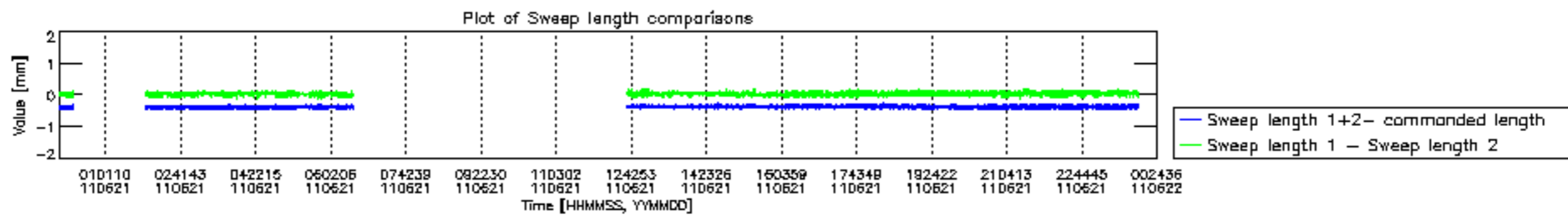


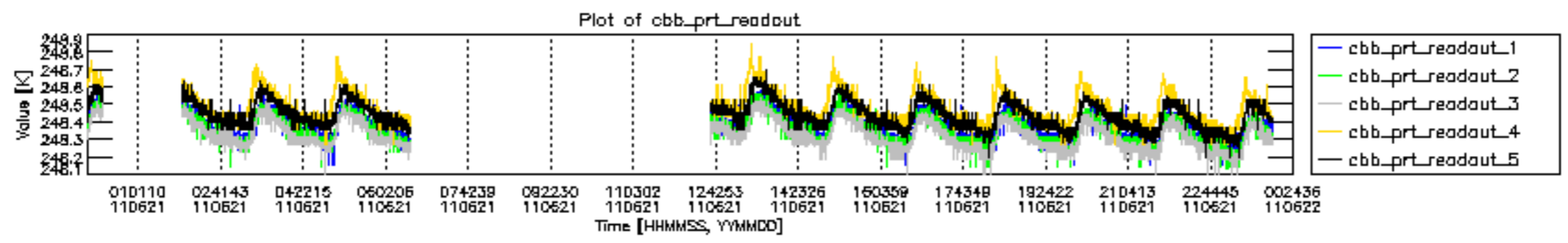


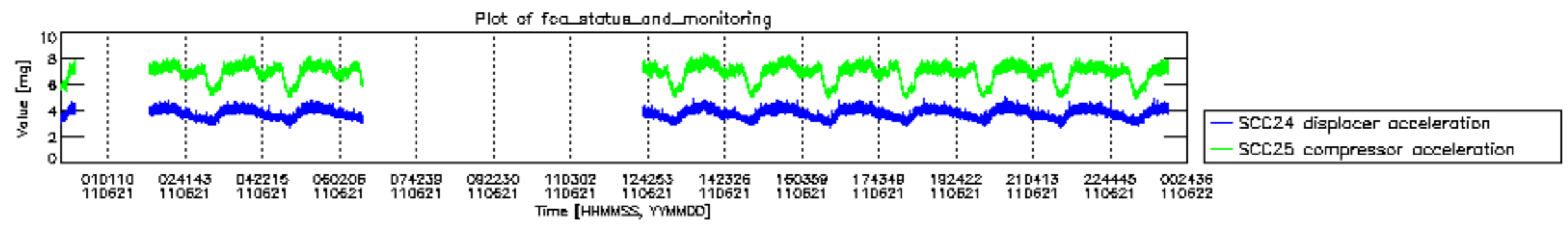












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

