

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	29JUN2011 05:23:55
Data source version	KSPT_L0/4504-N
Processing scope for products	24JUN2011 00:00:00 to 25JUN2011 00:00:00
Start time of first product within scope	24JUN2011 00:08:17
Stop time of last product within scope	25JUN2011 01:12:15
Total number of level 0 products	14
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__0PNPDE20110624_000817_000059383103_00418_48708_9099.N1	24JUN2011 00:08:17	24JUN2011 01:47:15	0	0	0	0	0
1	MIP_NL__0PNPDE20110624_025856_000061943103_00420_48710_9101.N1	24JUN2011 02:58:56	24JUN2011 04:42:10	0	0	0	0	0
2	MIP_NL__0PNPDK20110624_062059_000041153103_00422_48712_5573.N1	24JUN2011 06:20:59	24JUN2011 07:29:34	0	0	0	0	0
3	MIP_NL__0PNPDK20110624_072901_000061173103_00423_48713_5574.N1	24JUN2011 07:29:01	24JUN2011 09:10:58	0	0	0	0	0
4	MIP_NL__0PNPDK20110624_091016_000059723103_00424_48714_5575.N1	24JUN2011 09:10:16	24JUN2011 10:49:48	0	0	0	0	0
5	MIP_NL__0PNPDK20110624_104904_000060353103_00425_48715_5576.N1	24JUN2011 10:49:04	24JUN2011 12:29:39	0	0	0	0	0
6	MIP_NL__0PNPDK20110624_122857_000059163103_00426_48716_5577.N1	24JUN2011 12:28:57	24JUN2011 14:07:33	0	0	0	0	0
7	MIP_NL__0PNPDK20110624_140700_000058953103_00427_48717_5578.N1	24JUN2011 14:07:00	24JUN2011 15:45:15	0	0	0	0	0
8	MIP_NL__0PNPDK20110624_154442_000058263103_00428_48718_5579.N1	24JUN2011 15:44:42	24JUN2011 17:21:48	0	0	0	0	0
9	MIP_NL__0PNPDK20110624_172106_000059123103_00429_48719_5580.N1	24JUN2011 17:21:06	24JUN2011 18:59:38	0	0	0	0	0
10	MIP_NL__0PNPDK20110624_185838_000061333103_00430_48720_5581.N1	24JUN2011 18:58:38	24JUN2011 20:40:51	0	0	0	0	0
11	MIP_NL__0PNPDE20110624_203955_000043063103_00431_48721_9103.N1	24JUN2011 20:39:55	24JUN2011 21:51:40	0	0	0	0	0
12	MIP_NL__0PNPDE20110624_215042_000060483103_00431_48721_9104.N1	24JUN2011 21:50:42	24JUN2011 23:31:30	0	0	0	0	0
13	MIP_NL__0PNPDE20110624_233027_000061083104_00001_48722_9105.N1	24JUN2011 23:30:27	25JUN2011 01:12:15	0	0	0	0	0

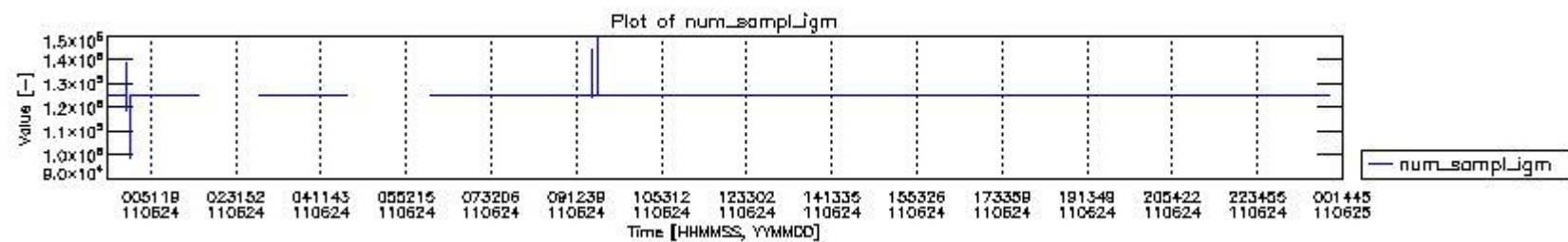
0.2 Instrument Operational Performance Parameters

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.

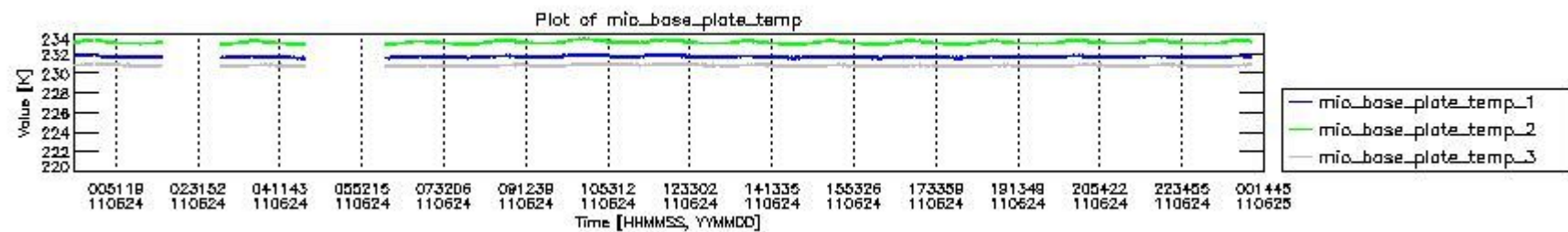
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98699	1	0.0027370265
119056	1	0.0027370265
123102	1	0.0027370265
123951	1	0.0027370265

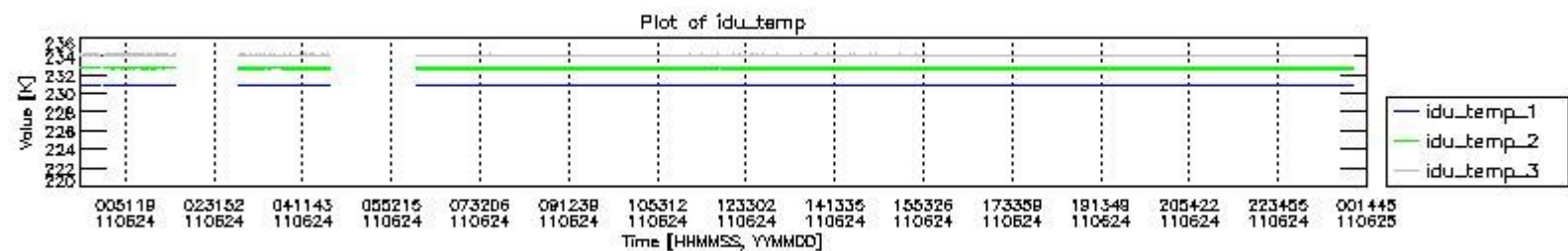
124408	1	0.0027370265
124800	33951	92.924787
124803	2573	7.0423692
127233	1	0.0027370265
133444	1	0.0027370265
139188	1	0.0027370265
144148	1	0.0027370265
144540	1	0.0027370265
147365	1	0.0027370265
149798	1	0.0027370265



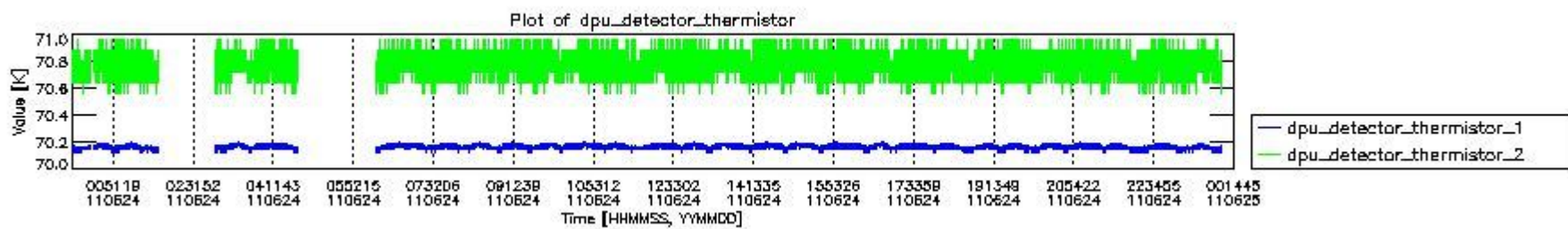
mipas_daily_report_level0_KSPT_L0_4504_N_20110624_0.PNG



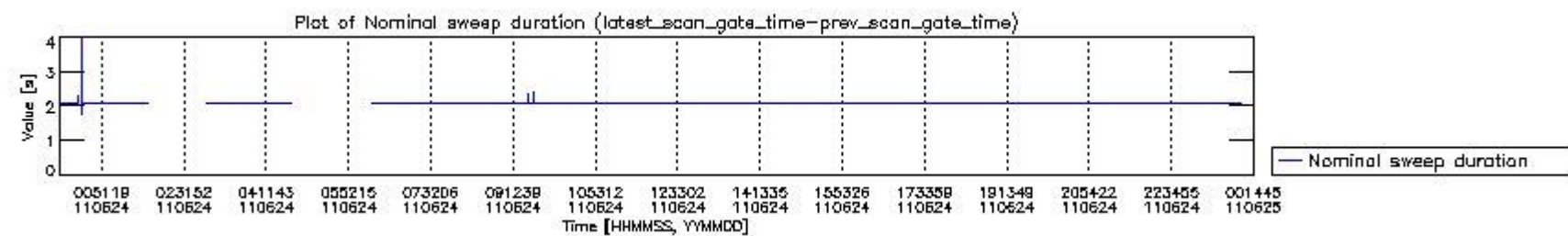
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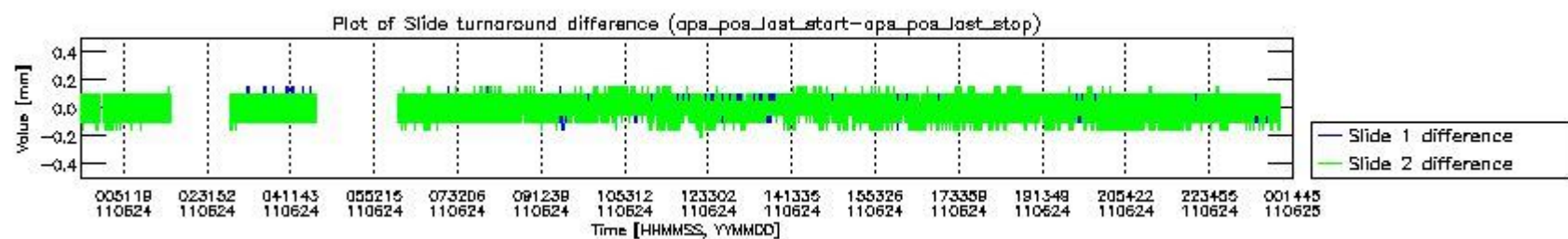
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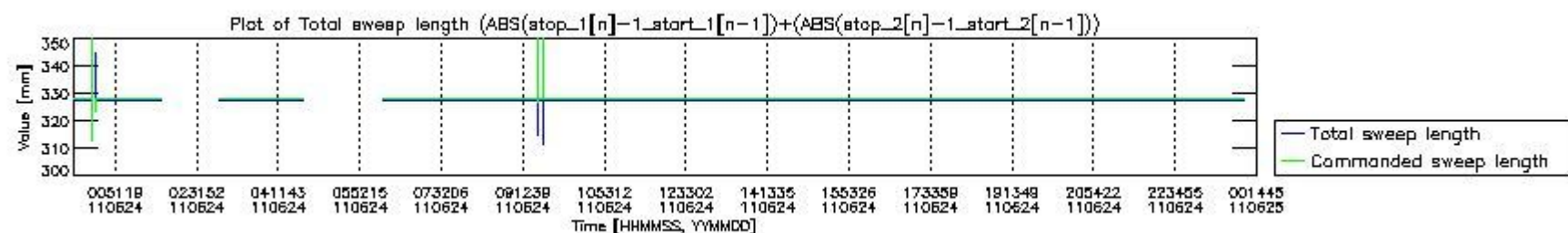
mipas_daily_report_level0_KSPT_L0_4504_N_20110624_3.PNG



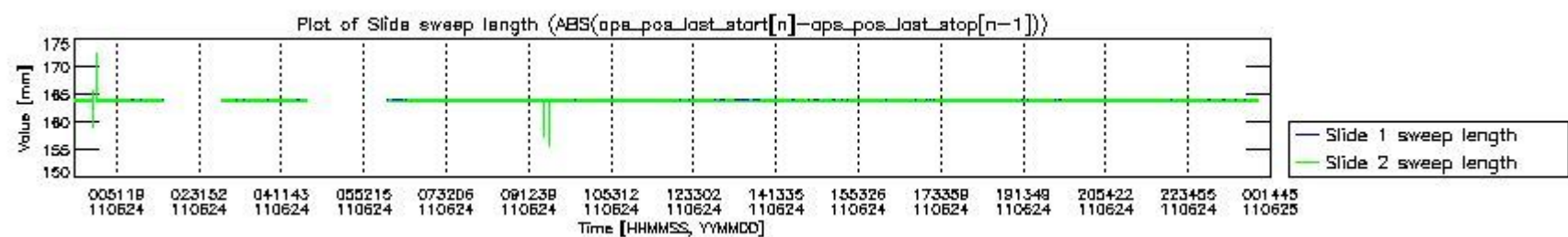
mipas_daily_report_level0_KSPT_L0_4504_N_20110624_4.PNG



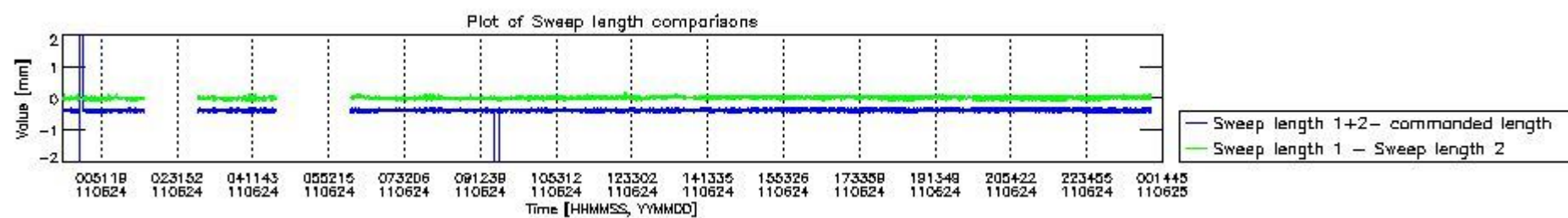
mipas_daily_report_level0_KSPT_L0_4504_N_20110624_5.PNG



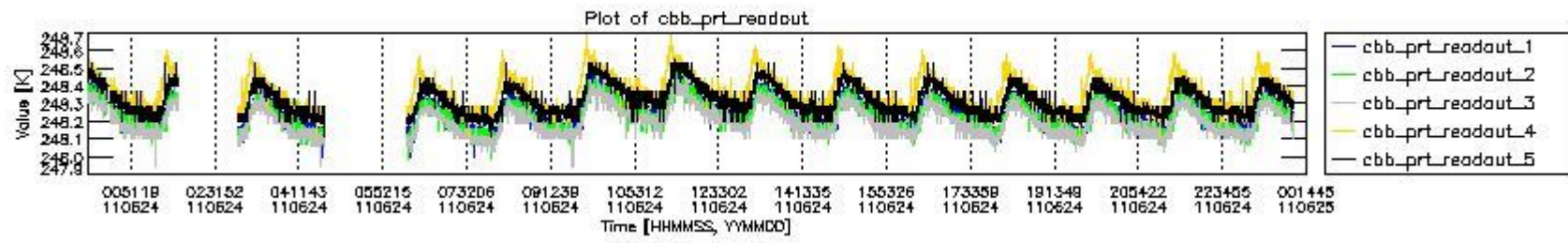
mipas_daily_report_level0_KSPT_L0_4504_N_20110624_6.PNG



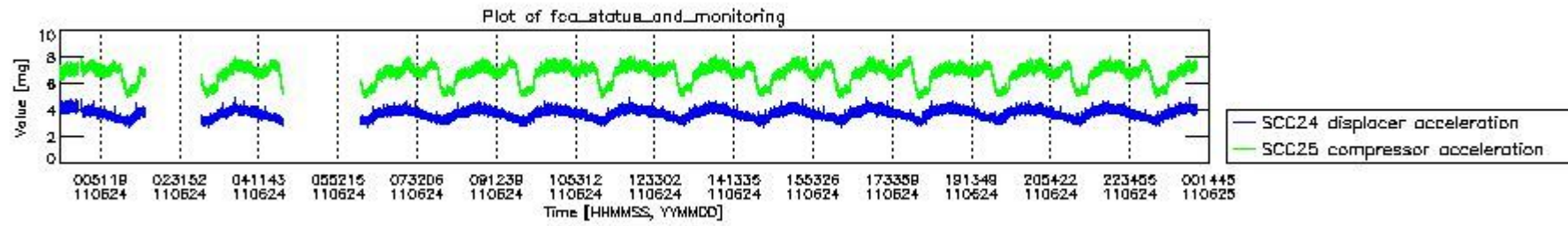
mipas_daily_report_level0_KSPT_L0_4504_N_20110624_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110624_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110624_9.PNG

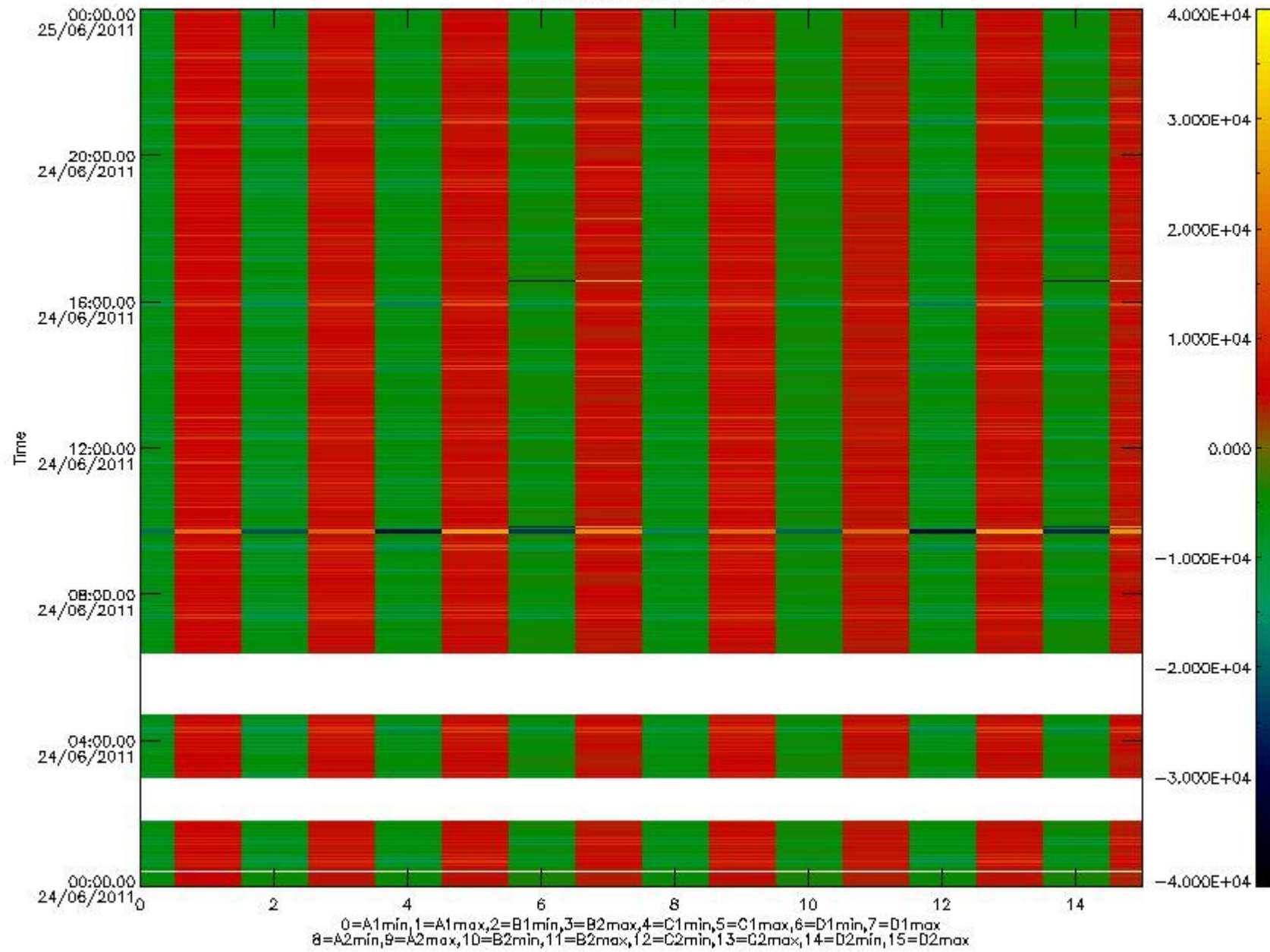


mipas_daily_report_level0_KSPT_L0_4504_N_20110624_10.PNG

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

Channel	Min	Max	ADC
A1	-19158	20396	16bit
B1	-22186	18917	16bit
C1	-28726	28596	16bit
D1	-32768	32767	16bit
A2	-16512	20549	16bit
B2	-20570	20089	16bit
C2	-29824	29479	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_20110624_11.PNG

0.3 ADF monitoring

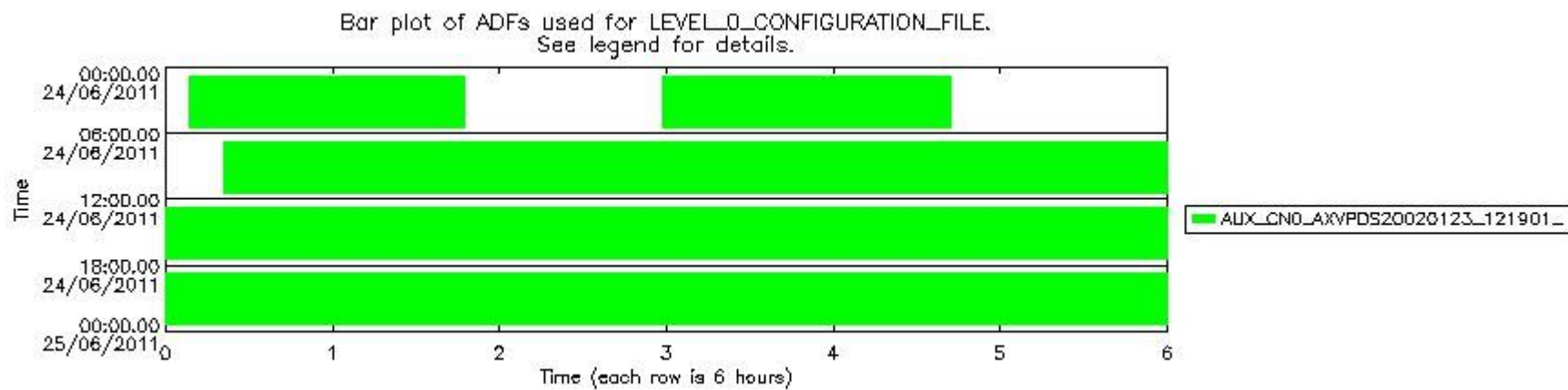
The use of ADFs is shown in two ways:

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.

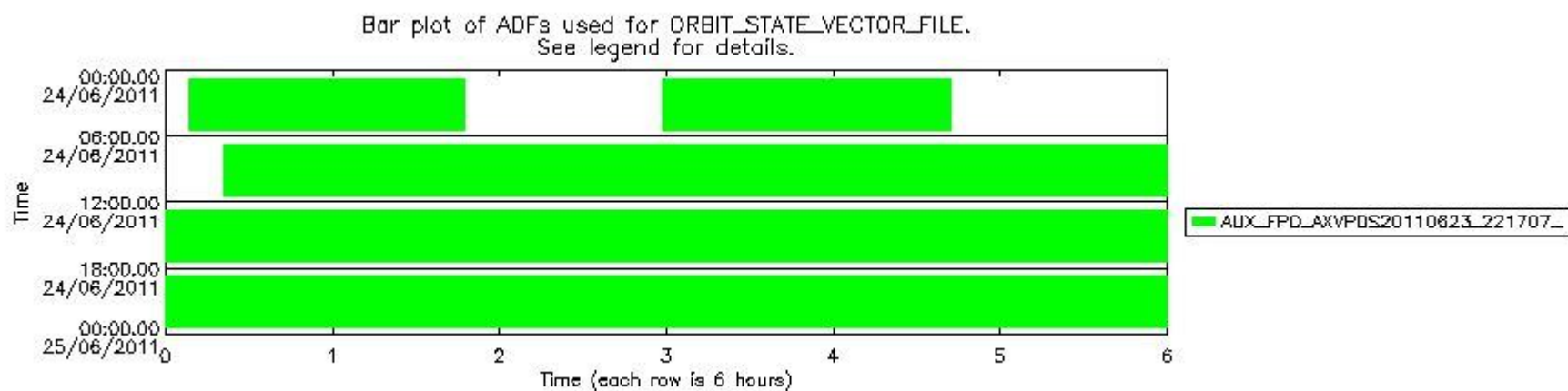
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110623_221707_20110623_191851_20110703_213239

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110624_000817_000059383103_00418_48708_9099.N1	0	1

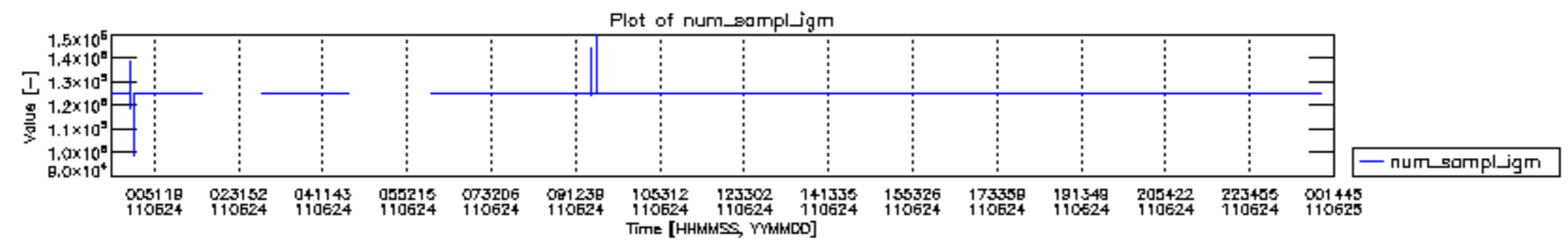
1	MIP_NL__0PNPDE20110624_025856_000061943103_00420_48710_9101.N1	0	1
2	MIP_NL__0PNPDK20110624_062059_000041153103_00422_48712_5573.N1	0	1
3	MIP_NL__0PNPDK20110624_072901_000061173103_00423_48713_5574.N1	0	1
4	MIP_NL__0PNPDK20110624_091016_000059723103_00424_48714_5575.N1	0	1
5	MIP_NL__0PNPDK20110624_104904_000060353103_00425_48715_5576.N1	0	1
6	MIP_NL__0PNPDK20110624_122857_000059163103_00426_48716_5577.N1	0	1
7	MIP_NL__0PNPDK20110624_140700_000058953103_00427_48717_5578.N1	0	1
8	MIP_NL__0PNPDK20110624_154442_000058263103_00428_48718_5579.N1	0	1
9	MIP_NL__0PNPDK20110624_172106_000059123103_00429_48719_5580.N1	0	1
10	MIP_NL__0PNPDK20110624_185838_000061333103_00430_48720_5581.N1	0	1
11	MIP_NL__0PNPDE20110624_203955_000043063103_00431_48721_9103.N1	0	1
12	MIP_NL__0PNPDE20110624_215042_000060483103_00431_48721_9104.N1	0	1
13	MIP_NL__0PNPDE20110624_233027_000061083104_00001_48722_9105.N1	0	1

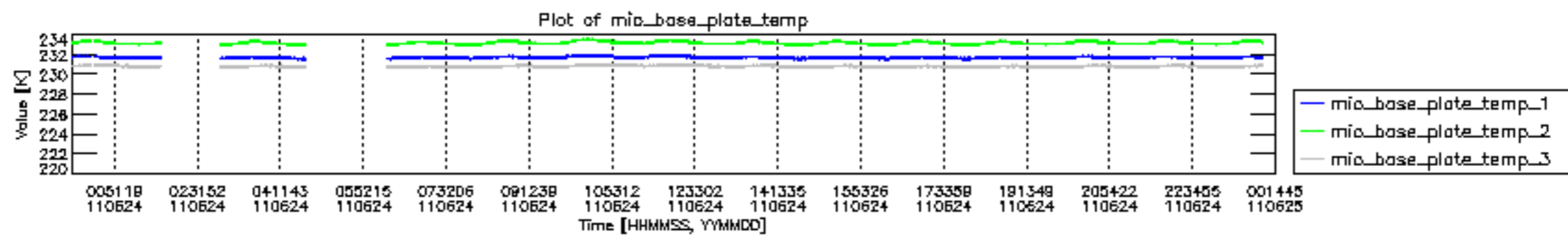


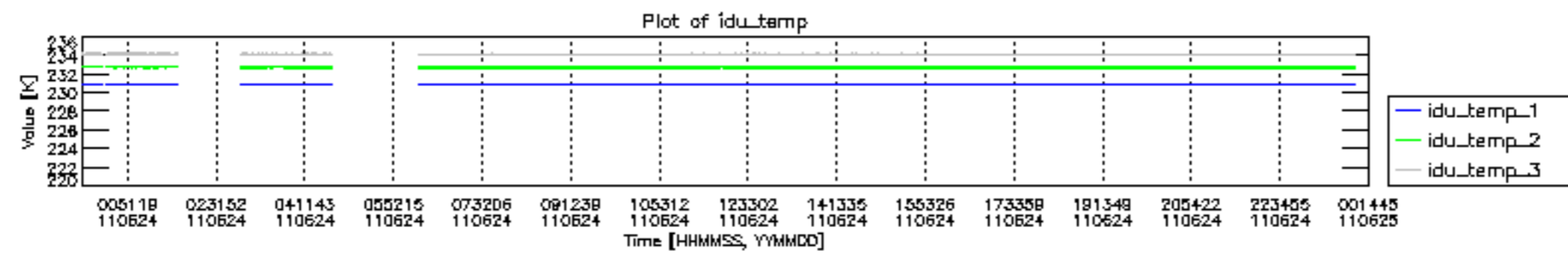
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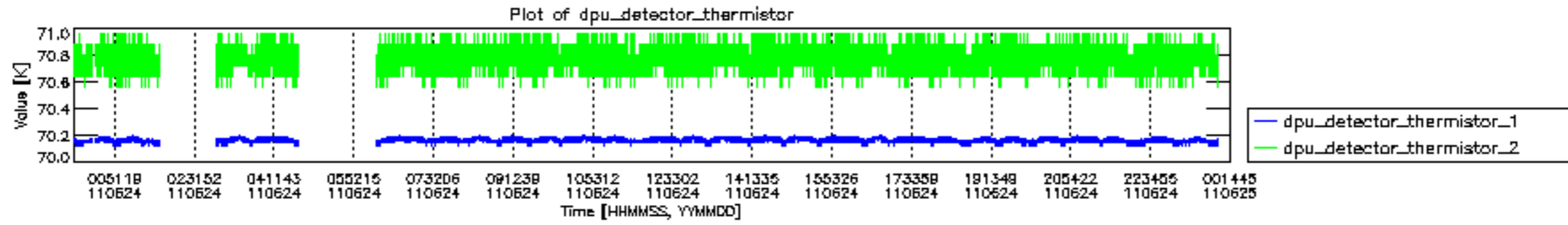


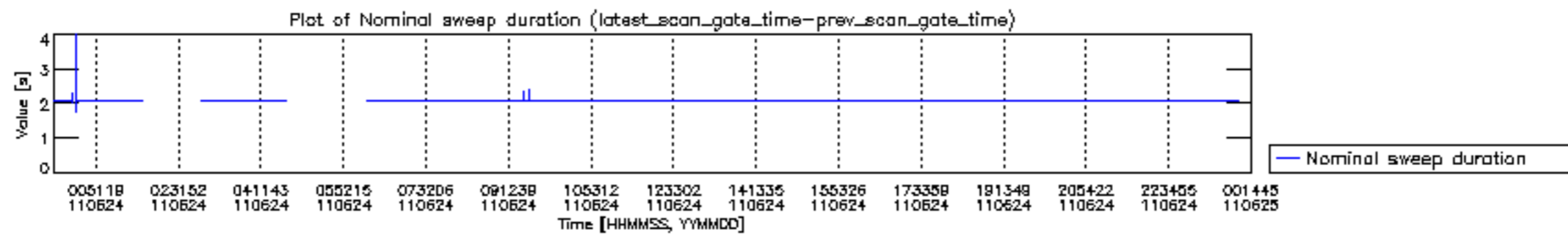
mipas_daily_report_level0_KSPT_L0_4504_N_20110624_13.PNG

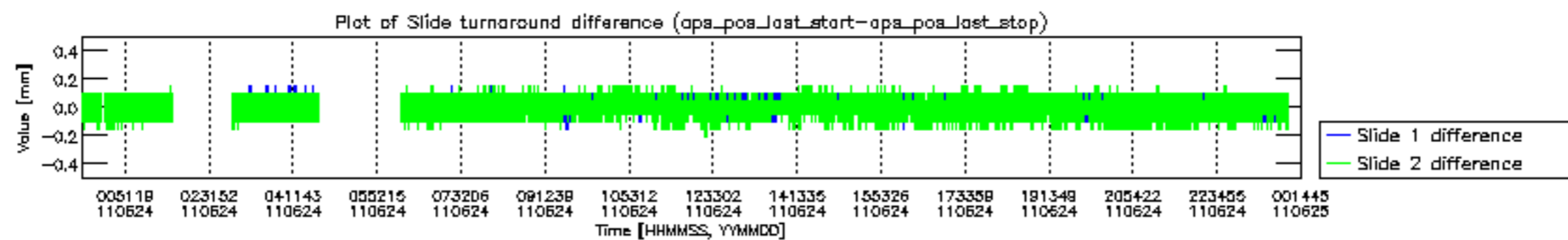


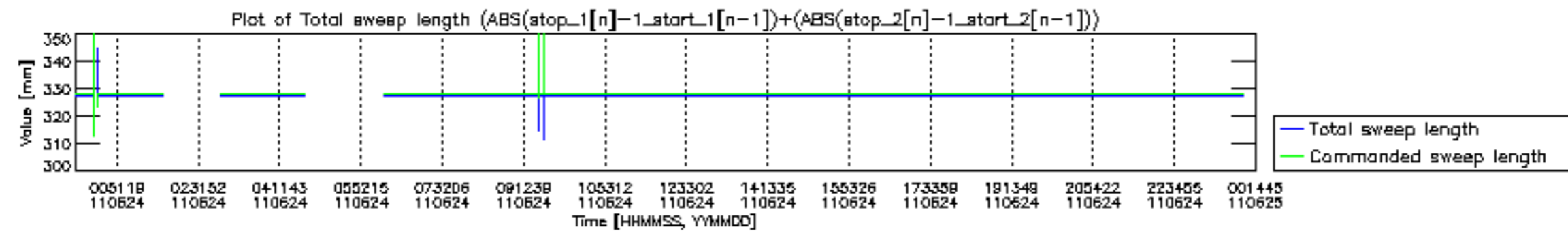


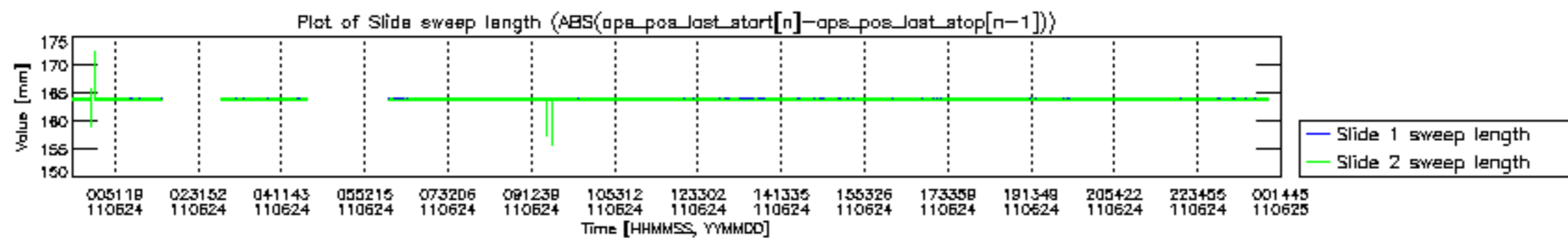


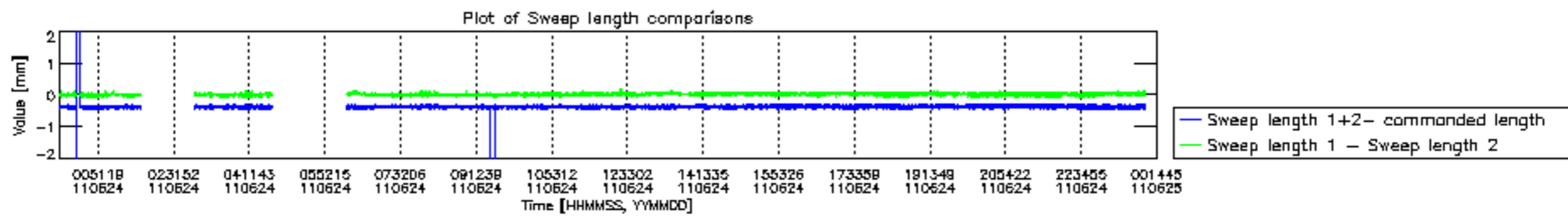


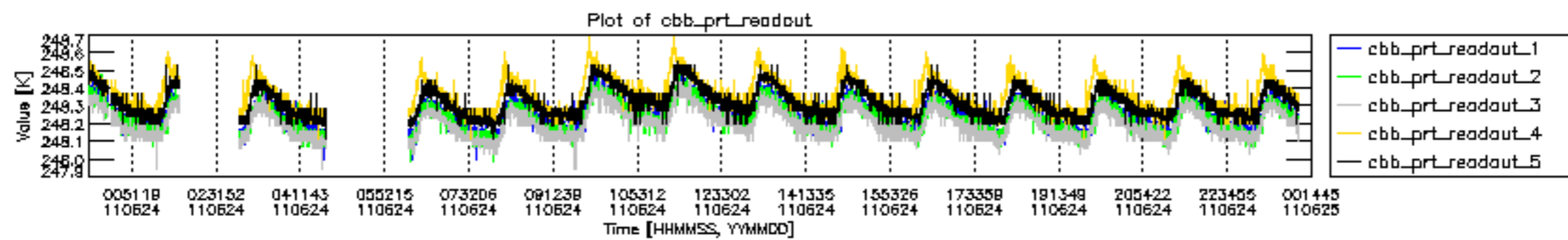


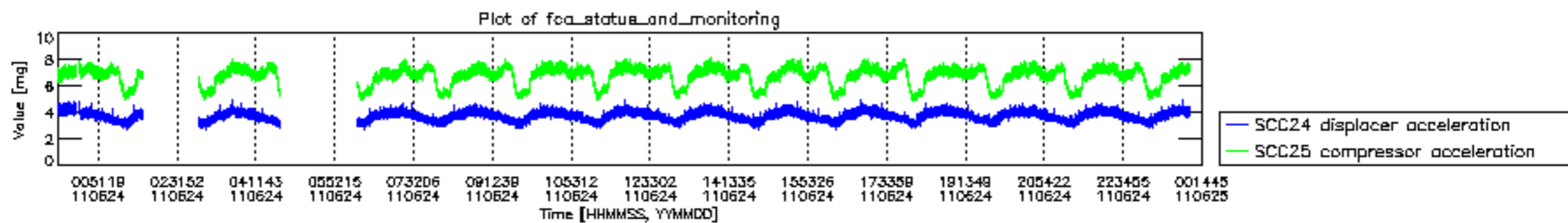












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

