

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	27AUG2011 05:24:09
Data source version	KSPT_L0/4504-N
Processing scope for products	23AUG2011 00:00:00 to 24AUG2011 00:00:00
Start time of first product within scope	23AUG2011 00:09:30
Stop time of last product within scope	24AUG2011 01:13:08
Total number of level 0 products	11
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.

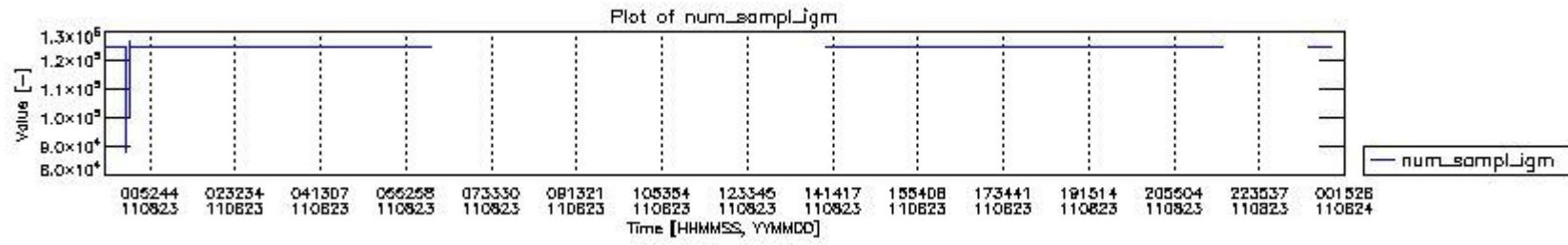
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110823_000930_000058663105_00418_49570_9496.N1	23AUG2011 00:09:30	23AUG2011 01:47:16	0	0	0	0	0
1	MIP_NL__0PNPDE20110823_014326_000002303105_00419_49571_9502.N1	23AUG2011 01:43:26	23AUG2011 01:47:16	0	0	0	0	0
2	MIP_NL__0PNPDE20110823_014620_000044913105_00419_49571_9497.N1	23AUG2011 01:46:20	23AUG2011 03:01:11	0	0	0	0	0
3	MIP_NL__0PNPDE20110823_030038_000061333105_00420_49572_9498.N1	23AUG2011 03:00:38	23AUG2011 04:42:51	0	0	0	0	0
4	MIP_NL__0PNPDE20110823_044217_000060293105_00421_49573_9499.N1	23AUG2011 04:42:17	23AUG2011 06:22:46	0	0	0	0	0
5	MIP_NL__0PNPDK20110823_140718_000058203105_00427_49579_6126.N1	23AUG2011 14:07:18	23AUG2011 15:44:18	0	0	0	0	0
6	MIP_NL__0PNPDK20110823_154315_000060143105_00428_49580_6127.N1	23AUG2011 15:43:15	23AUG2011 17:23:30	0	0	0	0	0
7	MIP_NL__0PNPDK20110823_172233_000059263105_00429_49581_6128.N1	23AUG2011 17:22:33	23AUG2011 19:01:20	0	0	0	0	0
8	MIP_NL__0PNPDK20110823_190023_000059773105_00430_49582_6129.N1	23AUG2011 19:00:23	23AUG2011 20:40:00	0	0	0	0	0
9	MIP_NL__0PNPDE20110823_203816_000043993105_00431_49583_9505.N1	23AUG2011 20:38:16	23AUG2011 21:51:35	0	0	0	0	0
10	MIP_NL__0PNPDE20110823_233214_000060543106_00001_49584_9507.N1	23AUG2011 23:32:14	24AUG2011 01:13:08	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

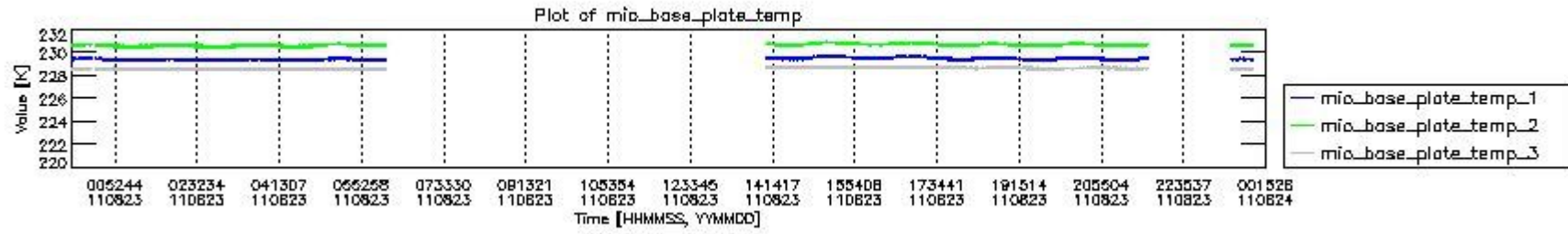
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

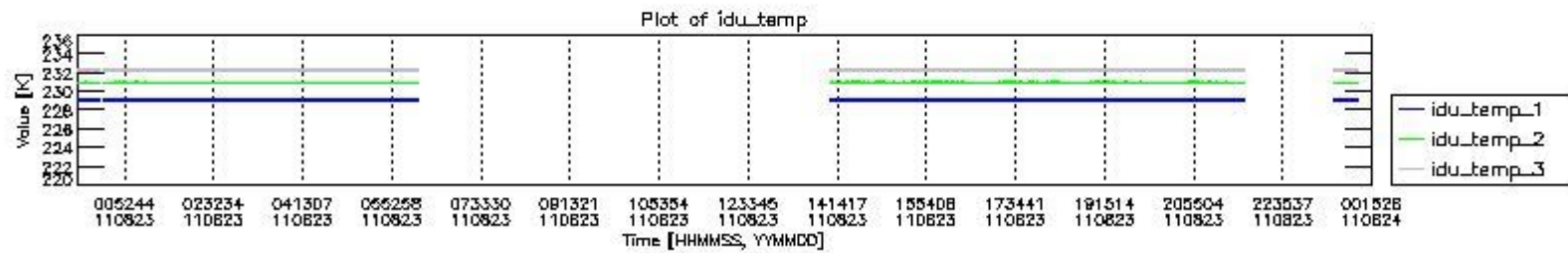
Number of igm samples	Count [#]	Count [%]
88096	1	0.0039802579
96382	1	0.0039802579
100483	1	0.0039802579
116514	1	0.0039802579
124800	23330	92.859417
124803	1788	7.1167012
125735	1	0.0039802579



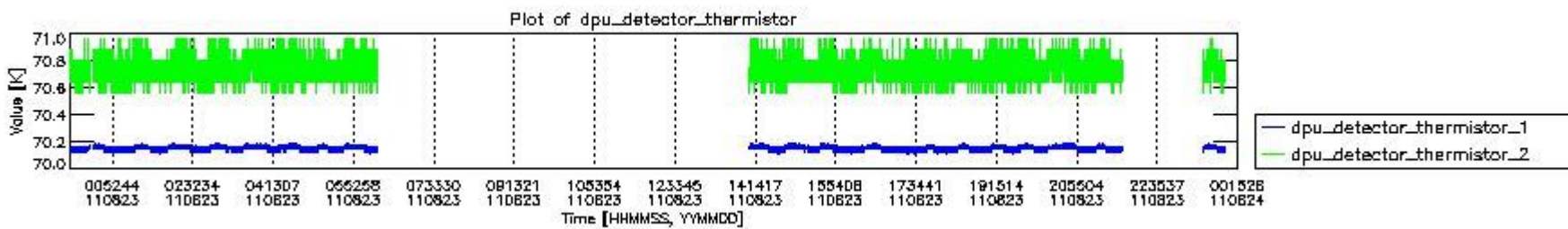
mipas_daily_report_level0_KSPT_L0_4504_N_20110823_0.PNG



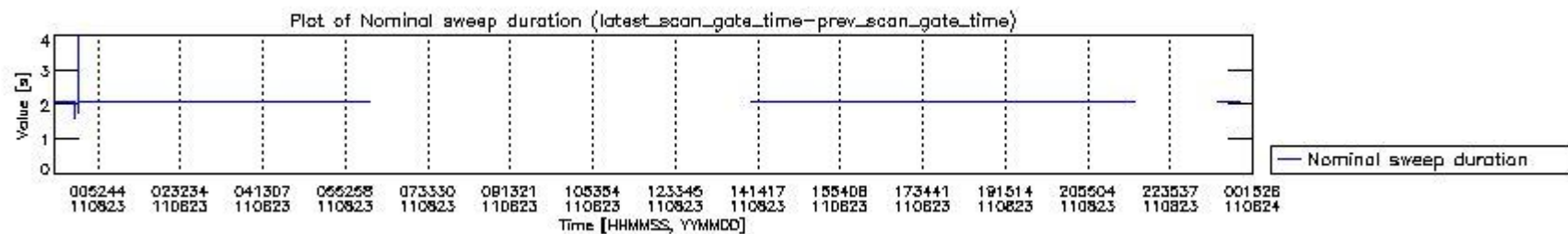
mipas_daily_report_level0_KSPT_L0_4504_N_20110823_1.PNG



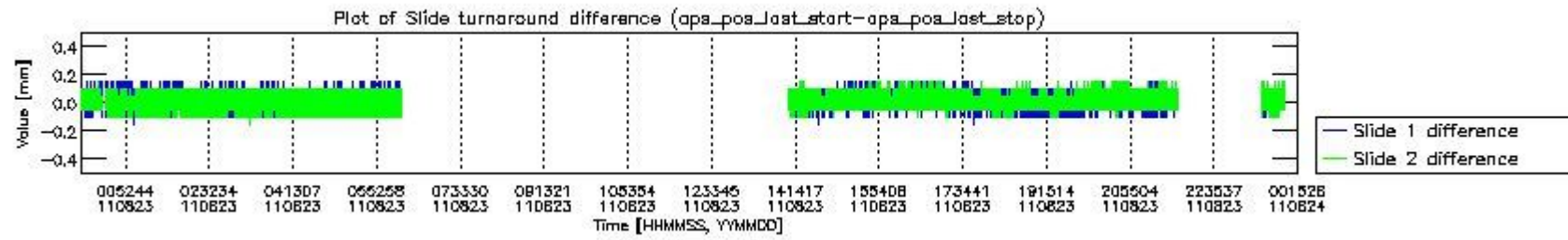
mipas_daily_report_level0_KSPT_L0_4504_N_20110823_2.PNG



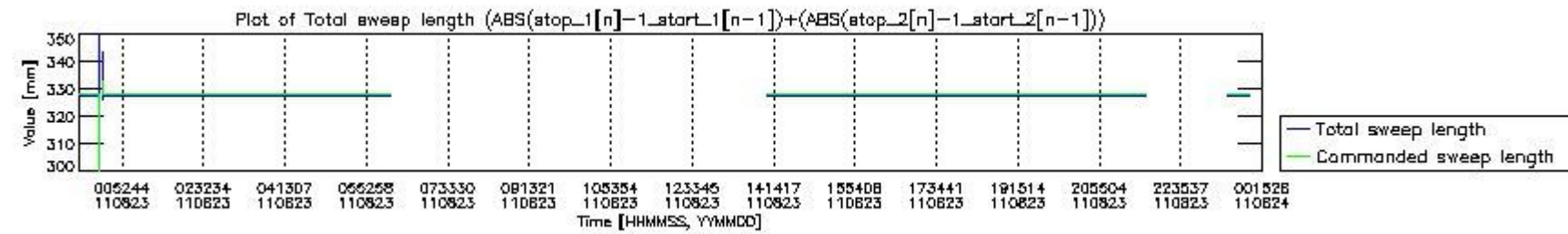
mipas_daily_report_level0_KSPT_L0_4504_N_20110823_3.PNG



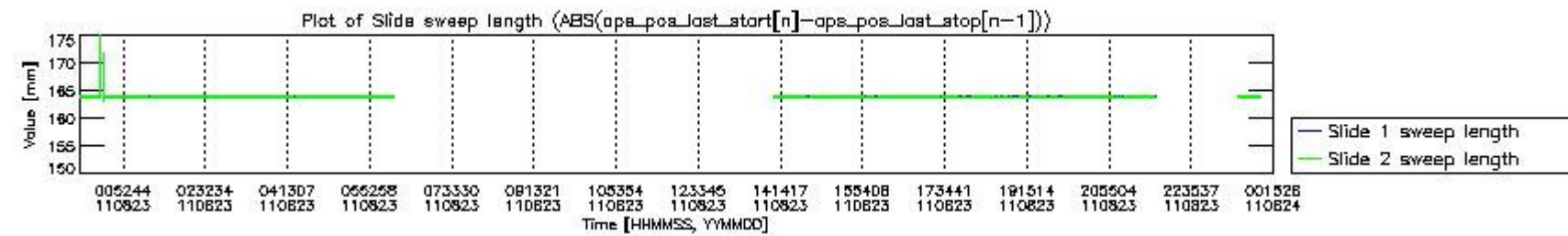
mipas_daily_report_level0_KSPT_L0_4504_N_20110823_4.PNG



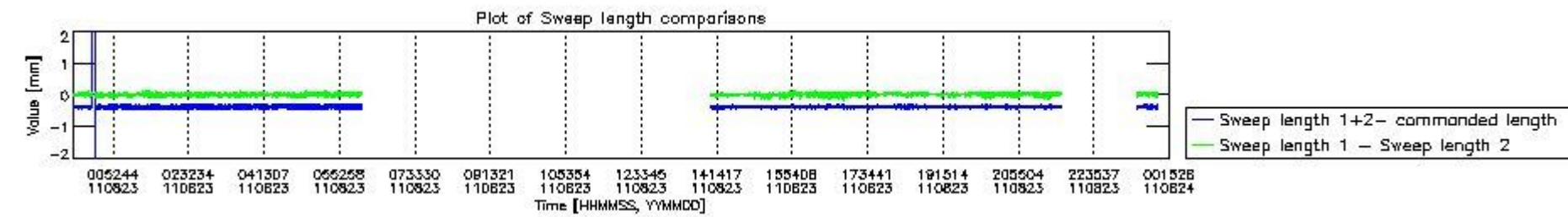
mipas_daily_report_level0_KSPT_L0_4504_N_20110823_5.PNG



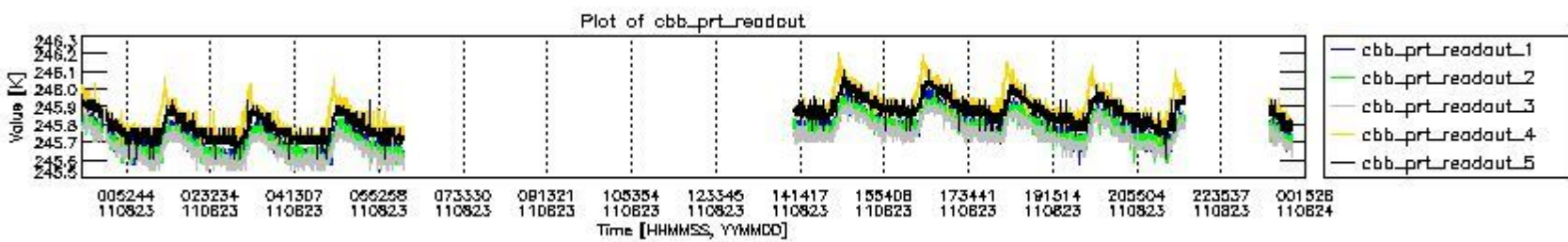
mipas_daily_report_level0_KSPT_L0_4504_N_20110823_6.PNG



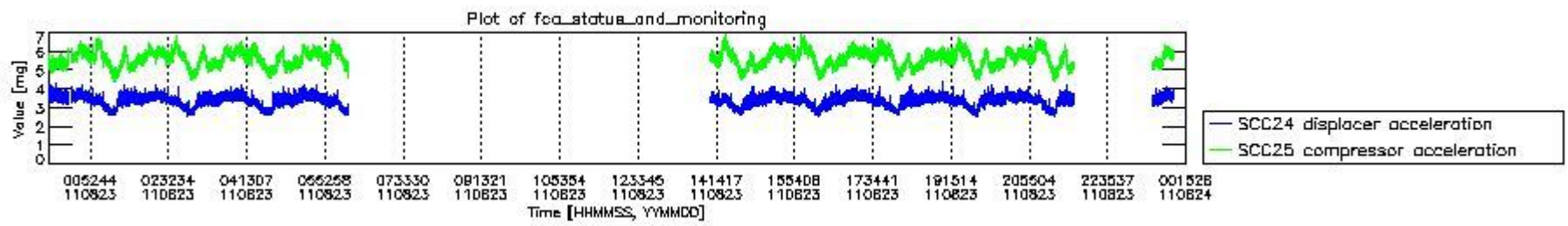
mipas_daily_report_level0_KSPT_L0_4504_N_20110823_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110823_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110823_9.PNG

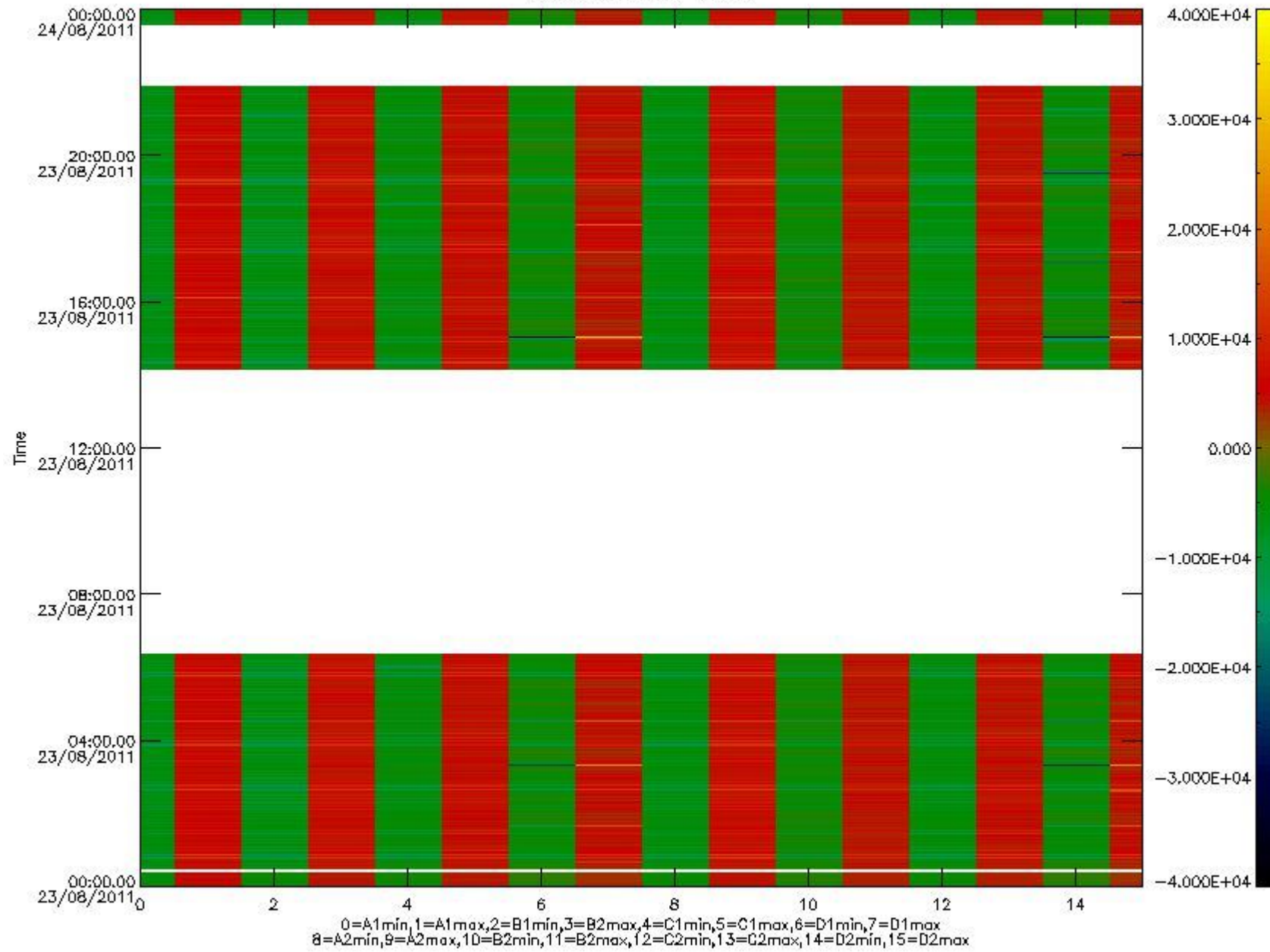


mipas_daily_report_level0_KSPT_L0_4504_N_20110823_10.PNG

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

Channel	Min	Max	ADC
A1	-17577	18637	16bit
B1	-18349	16485	16bit
C1	-23814	22855	16bit
D1	-32768	32767	16bit
A2	-15022	18433	16bit
B2	-16222	16040	16bit
C2	-23295	24145	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110823_11.PNG

0.3 ADF monitoring

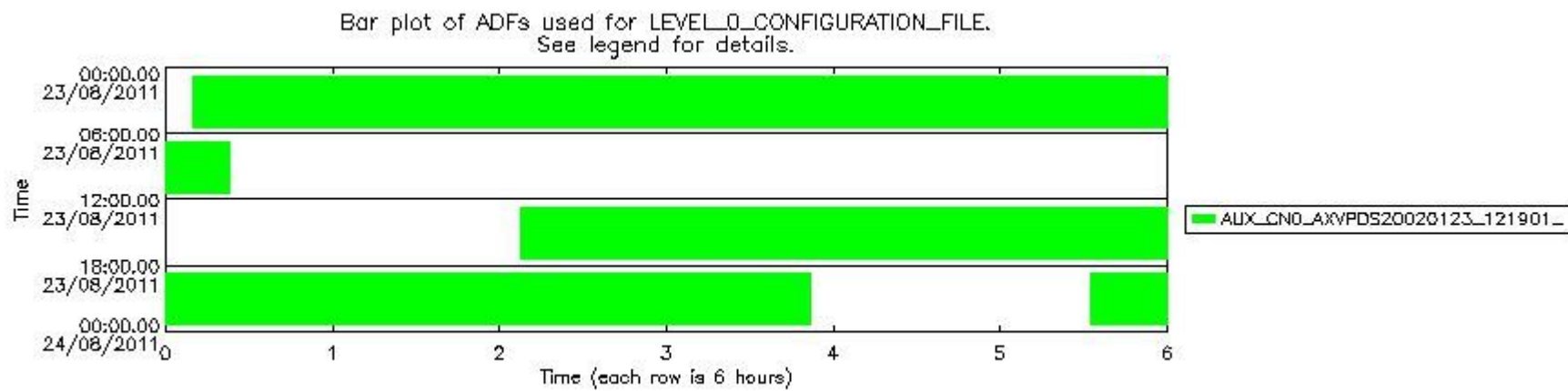
The use of ADFs is shown in two ways:

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.

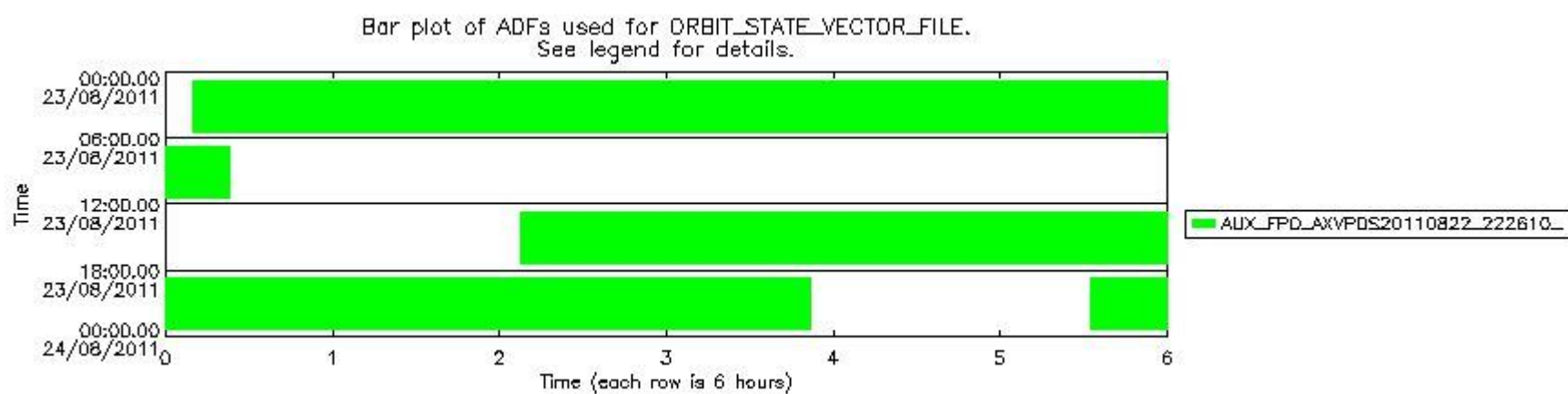
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110822_222610_20110822_091818_20110901_095150

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110823_000930_000058663105_00418_49570_9496.N1	0	1

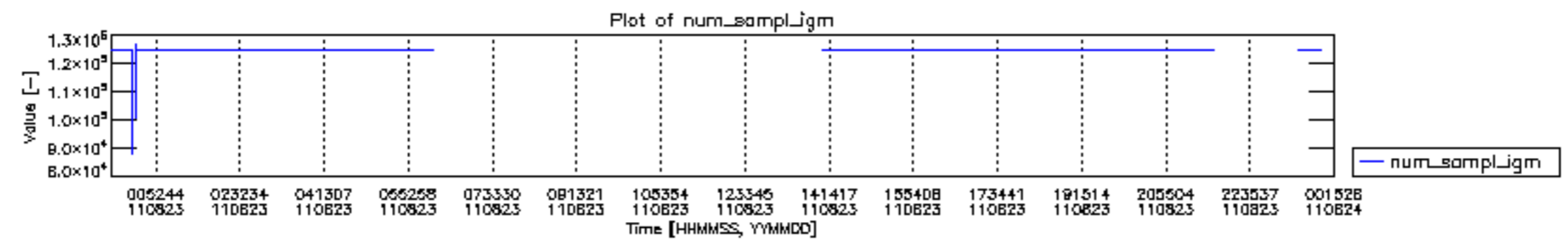
1	MIP_NL__0PNPDE20110823_014326_000002303105_00419_49571_9502.N1	0	1
2	MIP_NL__0PNPDE20110823_014620_000044913105_00419_49571_9497.N1	0	1
3	MIP_NL__0PNPDE20110823_030038_000061333105_00420_49572_9498.N1	0	1
4	MIP_NL__0PNPDE20110823_044217_000060293105_00421_49573_9499.N1	0	1
5	MIP_NL__0PNPDK20110823_140718_000058203105_00427_49579_6126.N1	0	1
6	MIP_NL__0PNPDK20110823_154315_000060143105_00428_49580_6127.N1	0	1
7	MIP_NL__0PNPDK20110823_172233_000059263105_00429_49581_6128.N1	0	1
8	MIP_NL__0PNPDK20110823_190023_000059773105_00430_49582_6129.N1	0	1
9	MIP_NL__0PNPDE20110823_203816_000043993105_00431_49583_9505.N1	0	1
10	MIP_NL__0PNPDE20110823_233214_000060543106_00001_49584_9507.N1	0	1

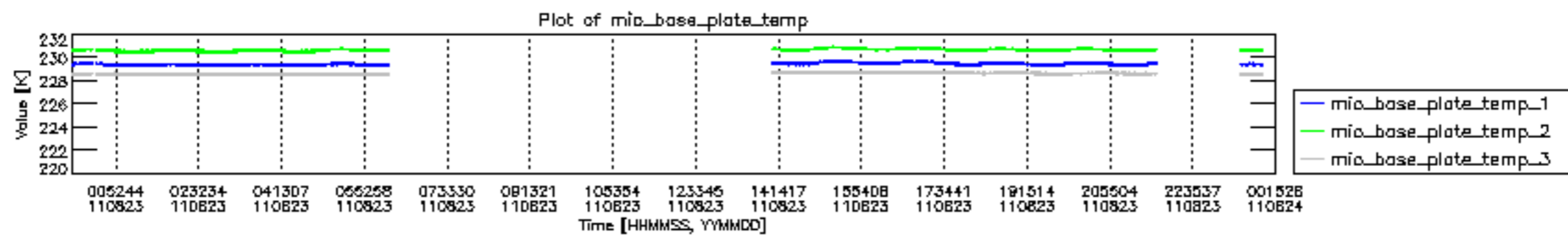


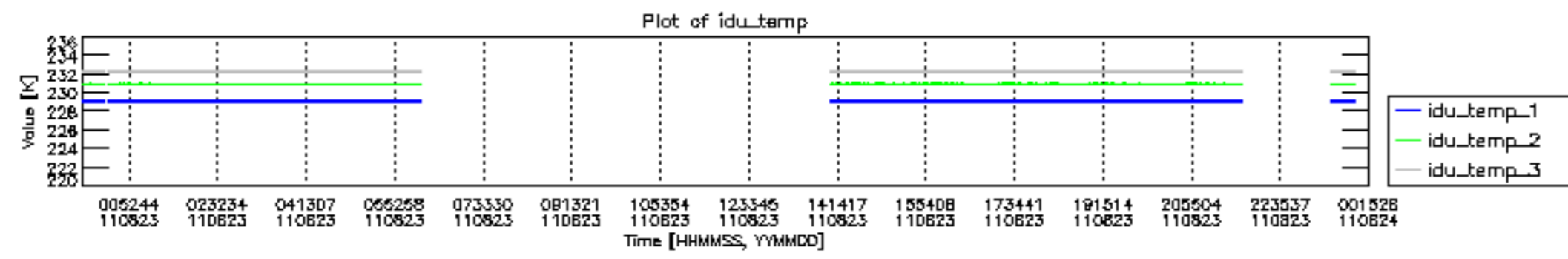
mipas_daily_report_level0_KSPT_L0_4504_N_20110823_12.PNG

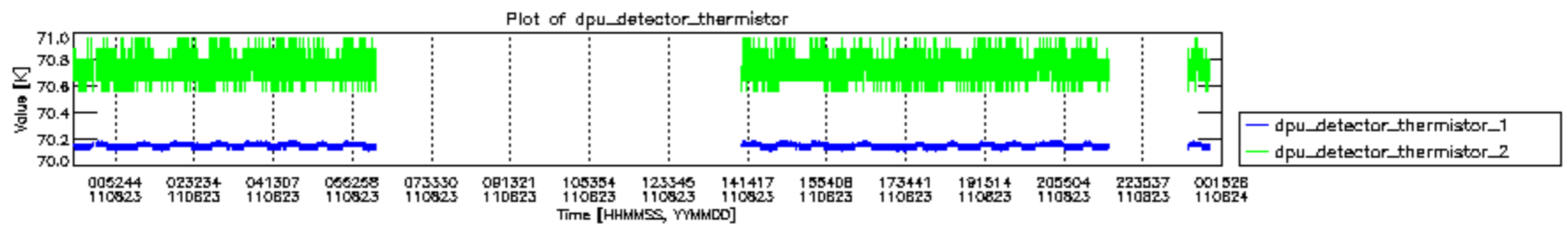


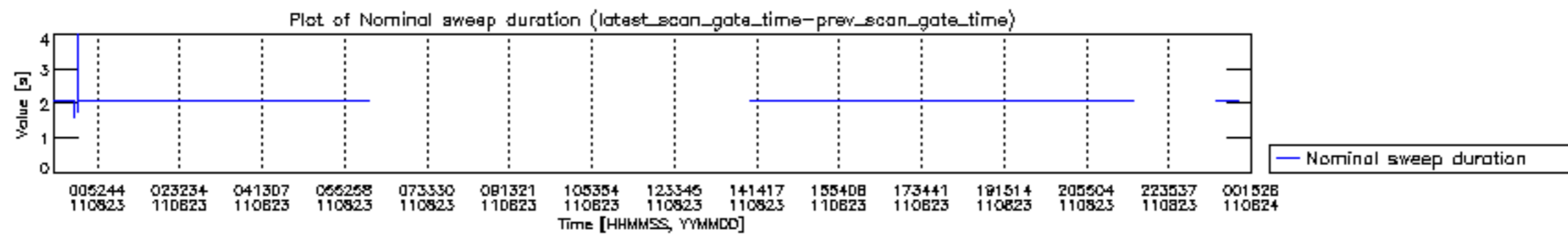
mipas_daily_report_level0_KSPT_L0_4504_N_20110823_13.PNG

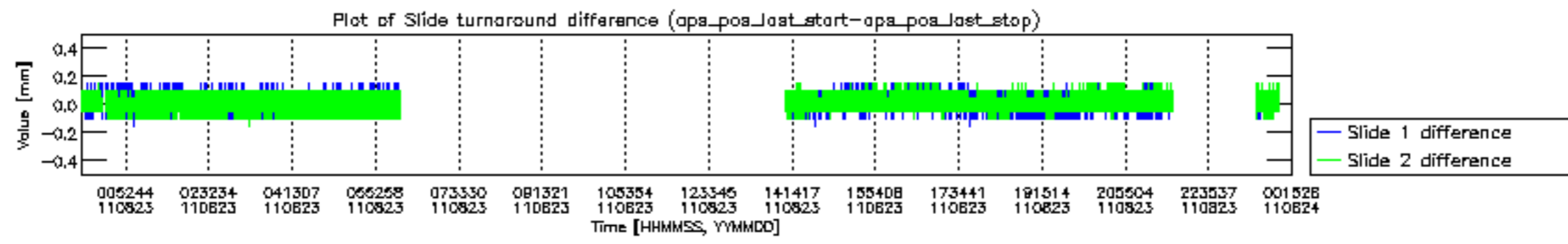


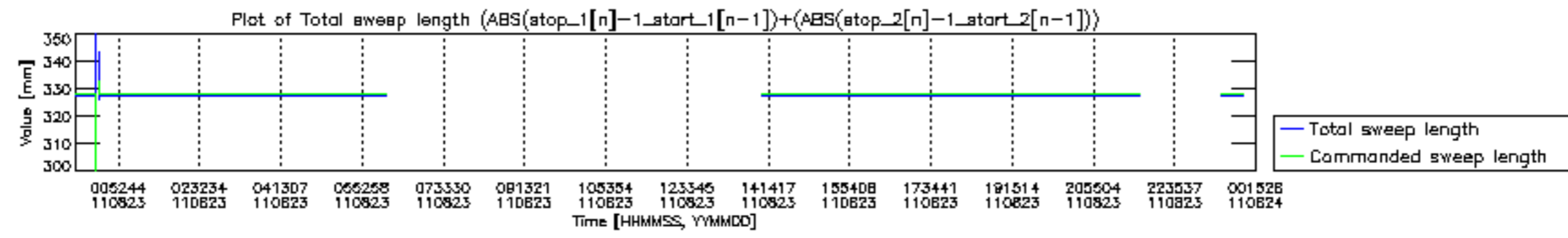


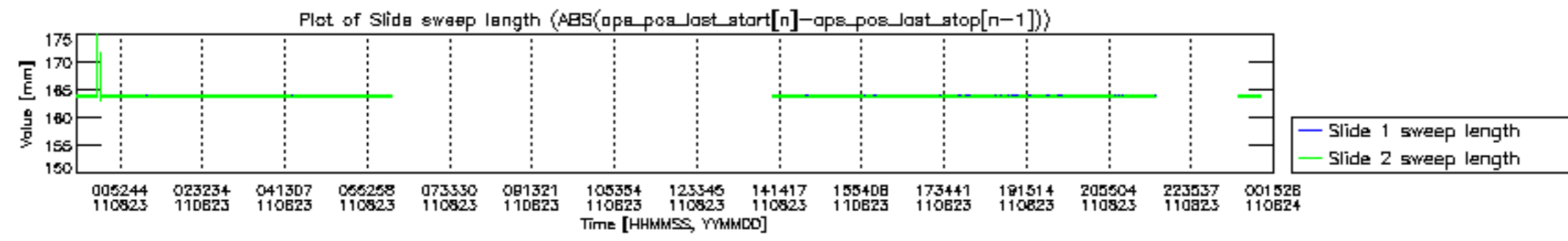


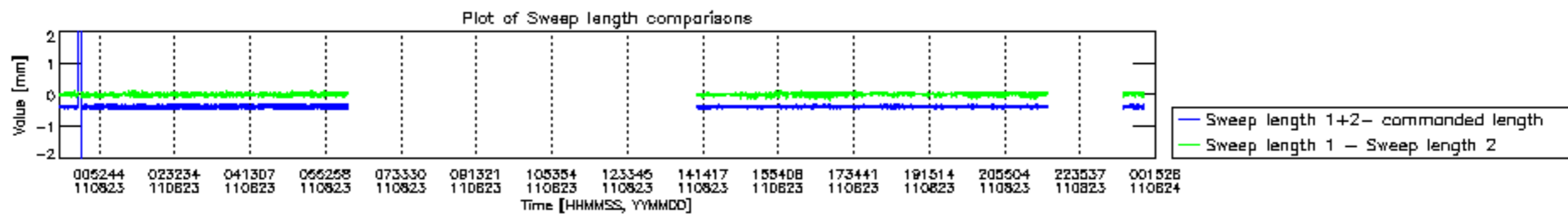


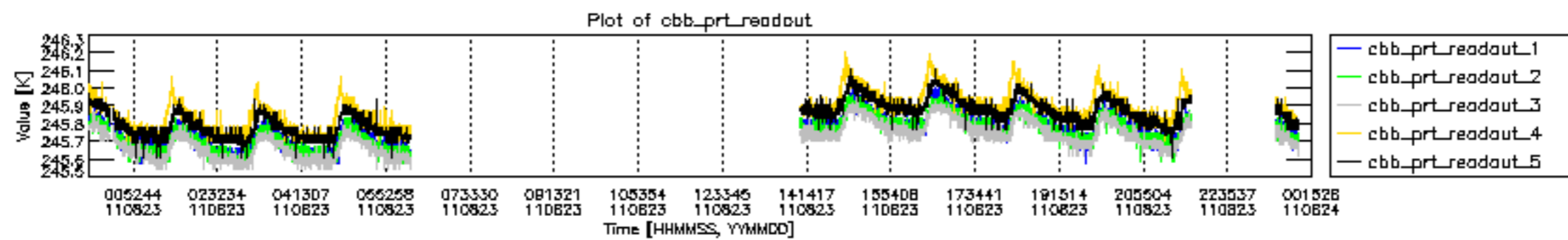


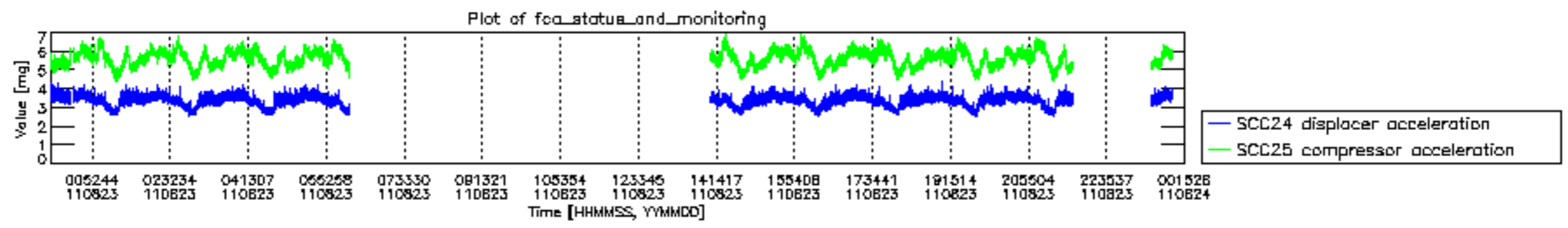












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

