

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	25SEP2011 05:21:51
Data source version	KSPT_L0/4504-N
Processing scope for products	20SEP2011 00:00:00 to 21SEP2011 00:00:00
Start time of first product within scope	20SEP2011 01:21:58
Stop time of last product within scope	21SEP2011 00:47:38
Total number of level 0 products	8
Number of level 0 products with errors	2

0.1.2 Product Quality Indicators per product

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

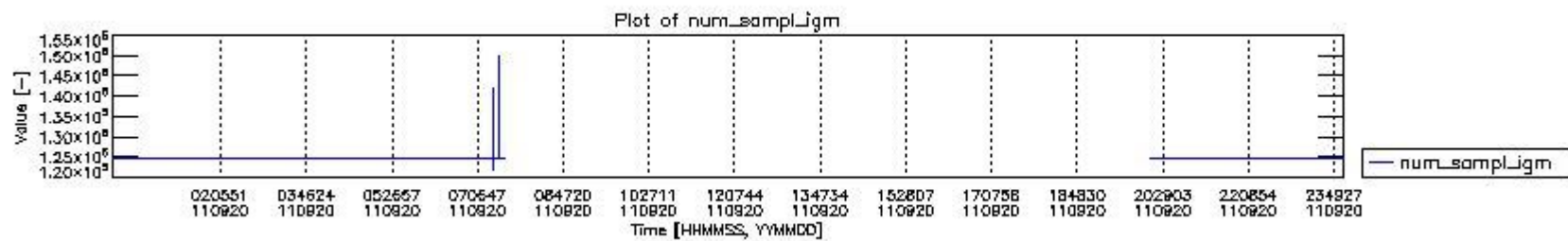
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110920_012158_000102553106_00390_49973_9675.N1	20SEP2011 01:21:58	20SEP2011 04:12:53	0	0	0	0	0
1	MIP_NL__0PNPDE20110920_041219_000062713106_00392_49975_9676.N1	20SEP2011 04:12:19	20SEP2011 05:56:51	0	0	0	0	0
2	MIP_NL__0PNPDE20110920_055617_000061763106_00393_49976_9679.N1	20SEP2011 05:56:17	20SEP2011 07:39:14	0	0	0	0	0
3	MIP_NL__0PNPDK20110920_073840_000000043106_00394_49977_6364.N1	20SEP2011 07:38:40	20SEP2011 07:38:45	1	1	0	0	0
4	MIP_NL__0PNPDK20110920_073845_000000023106_00394_49977_6369.N1	20SEP2011 07:38:45	20SEP2011 07:38:47	1	1	0	0	0
5	MIP_NL__0PNPDE20110920_201400_000043183106_00402_49985_9680.N1	20SEP2011 20:14:00	20SEP2011 21:25:58	0	0	0	0	0
6	MIP_NL__0PNPDE20110920_212502_000061443106_00402_49985_9681.N1	20SEP2011 21:25:02	20SEP2011 23:07:26	0	0	0	0	0
7	MIP_NL__0PNPDE20110920_230625_000060733106_00403_49986_9682.N1	20SEP2011 23:06:25	21SEP2011 00:47:38	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

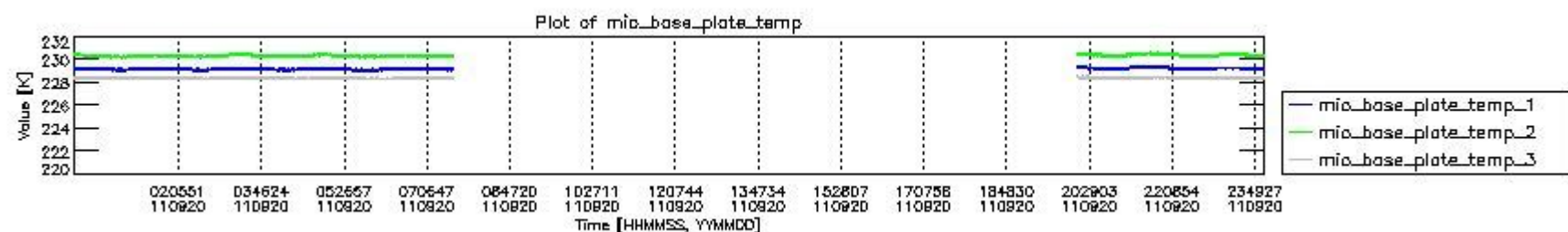
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

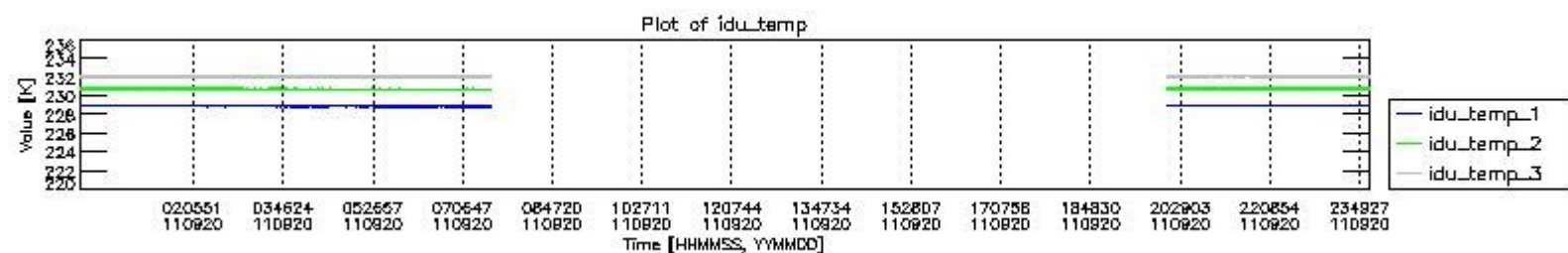
Number of igm samples	Count [#]	Count [%]
122029	1	0.0050686806
124800	18335	92.934259
124803	1388	7.0353287
127382	1	0.0050686806
139390	1	0.0050686806
142161	1	0.0050686806
147514	1	0.0050686806
150096	1	0.0050686806



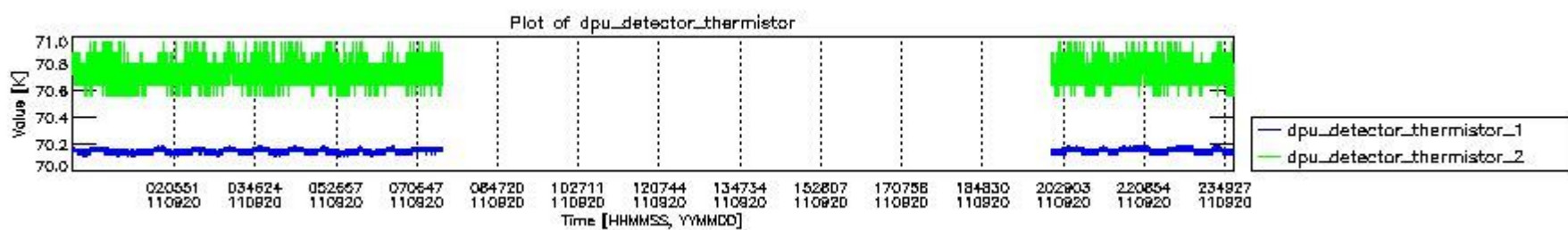
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_0.PNG



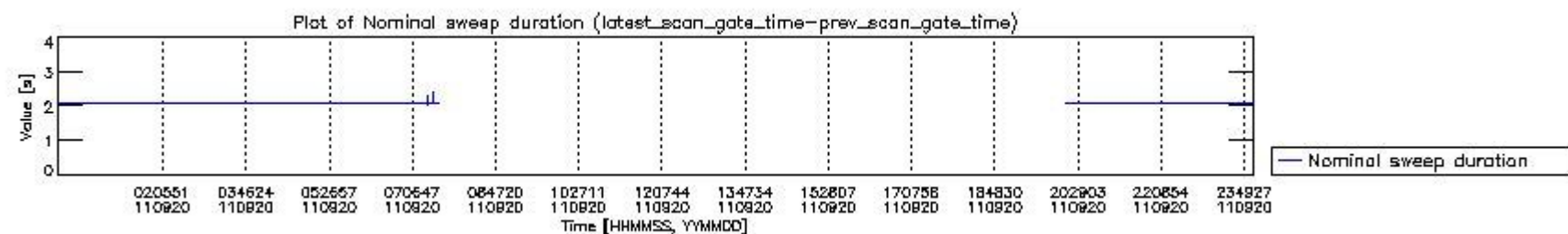
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_1.PNG



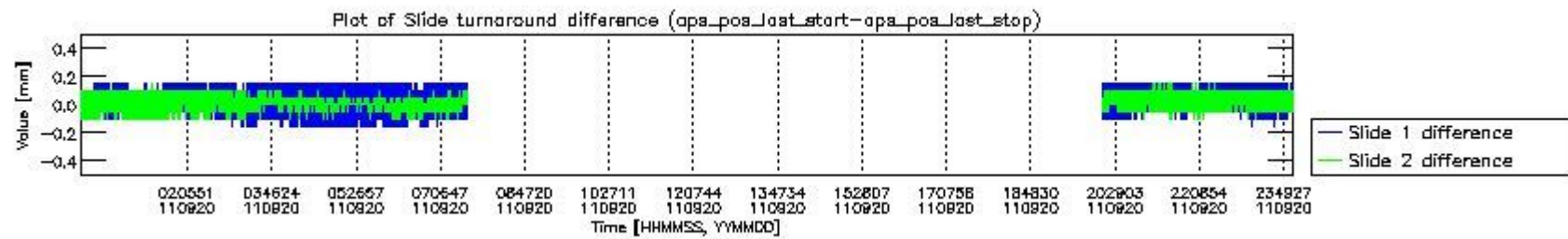
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_2.PNG



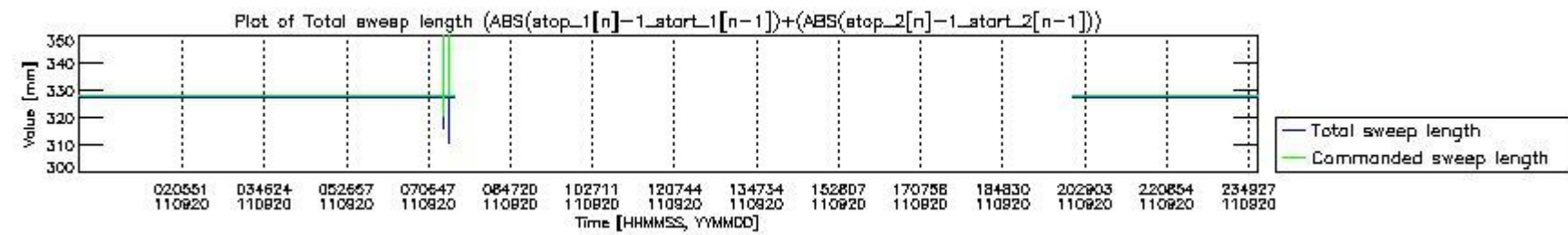
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_3.PNG



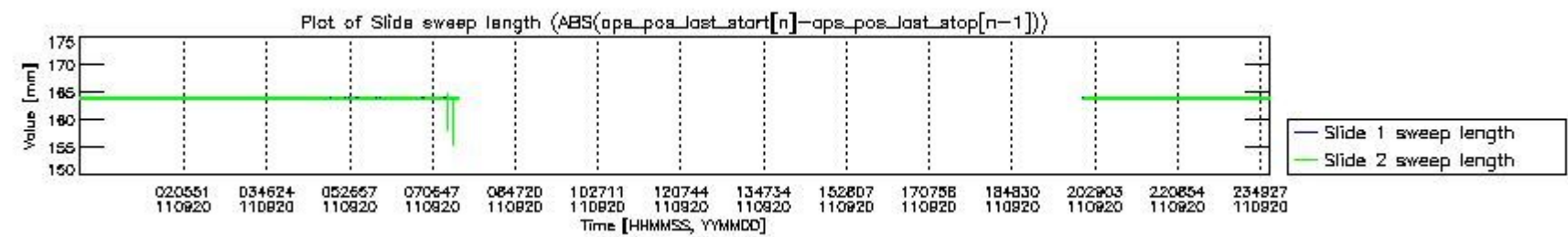
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_4.PNG



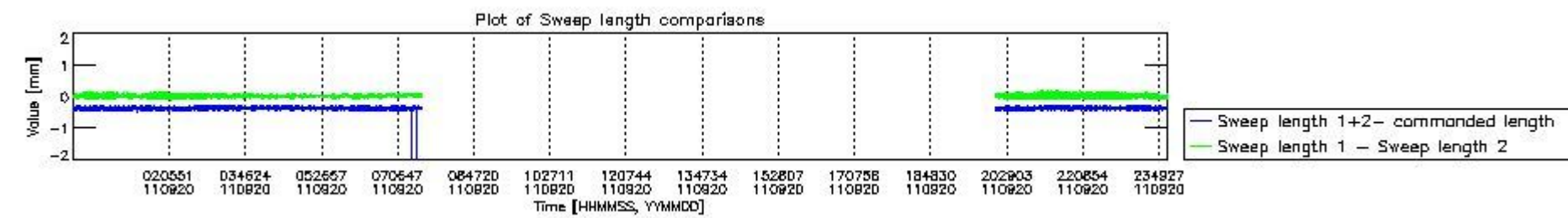
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_5.PNG



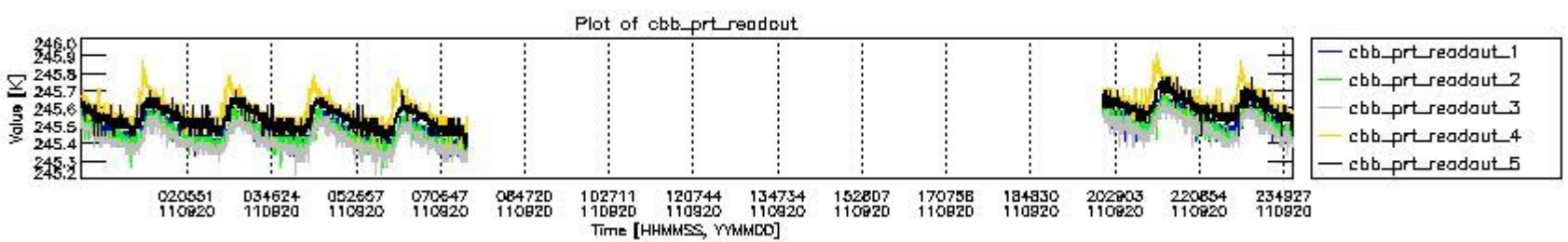
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_6.PNG



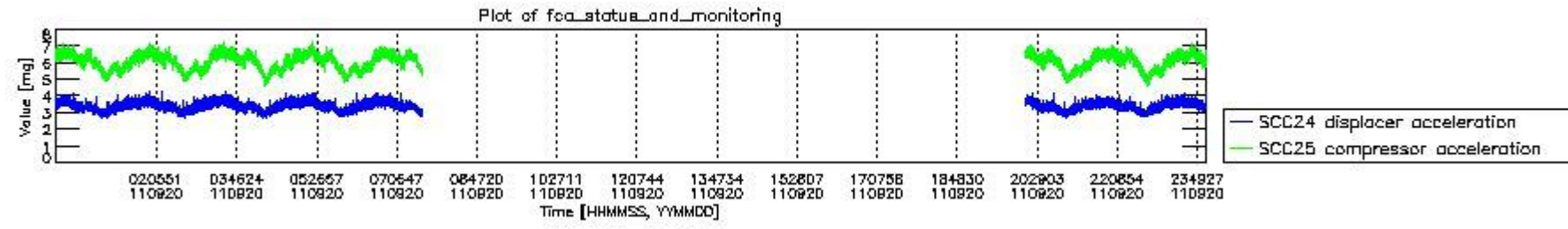
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110920_8.PNG



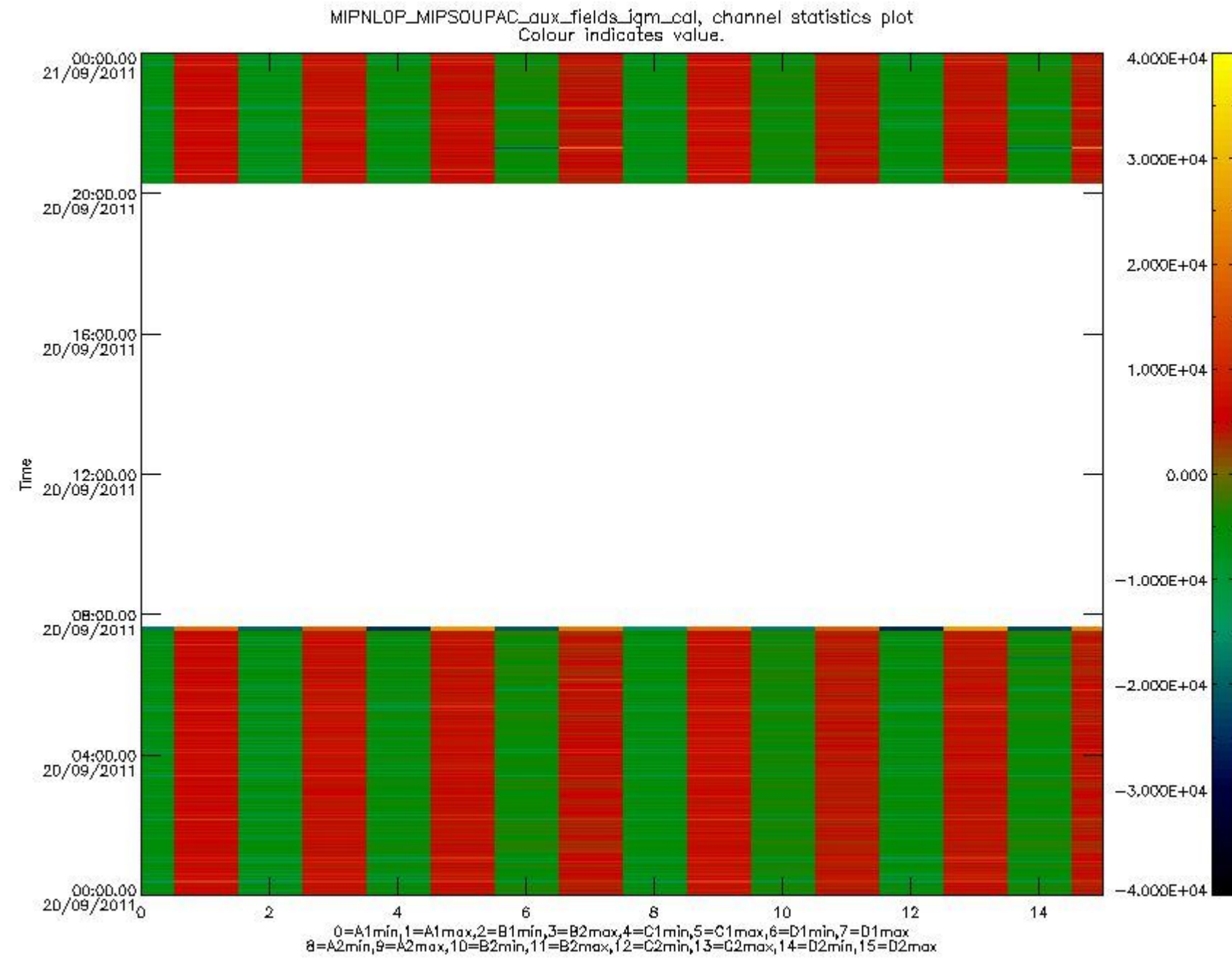
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_9.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110920_10.PNG

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

Channel	Min	Max	ADC
A1	-18206	19324	16bit
B1	-20575	17706	16bit
C1	-25535	25384	16bit
D1	-32768	32767	16bit
A2	-15814	19577	16bit
B2	-18606	18278	16bit
C2	-26585	26171	16bit
D2	-32768	32767	16bit



mipas_daily_report_level0_KSPT_L0_4504_N_20110920_11.PNG

0.3 ADF monitoring

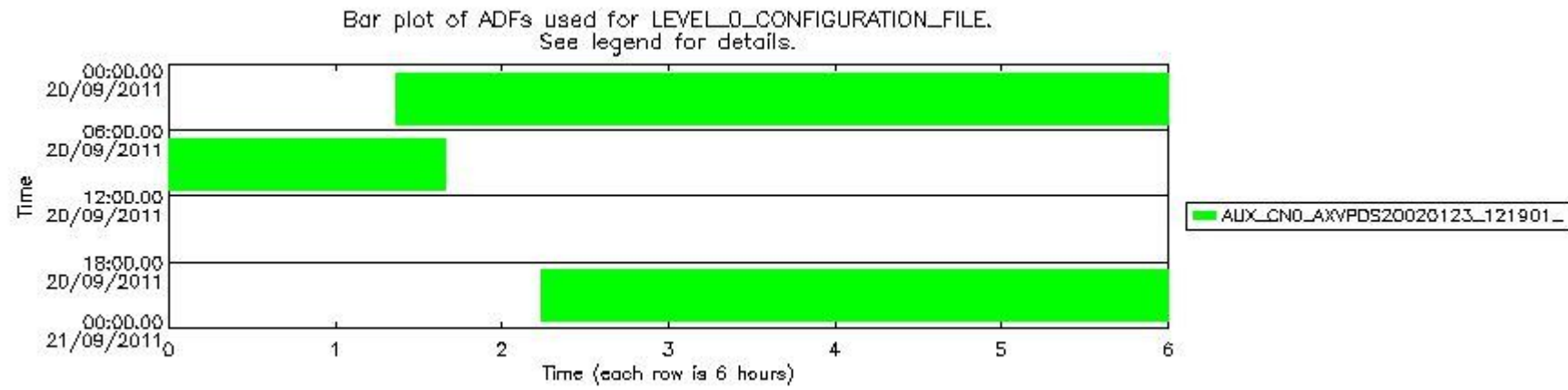
The use of ADFs is shown in two ways:

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.

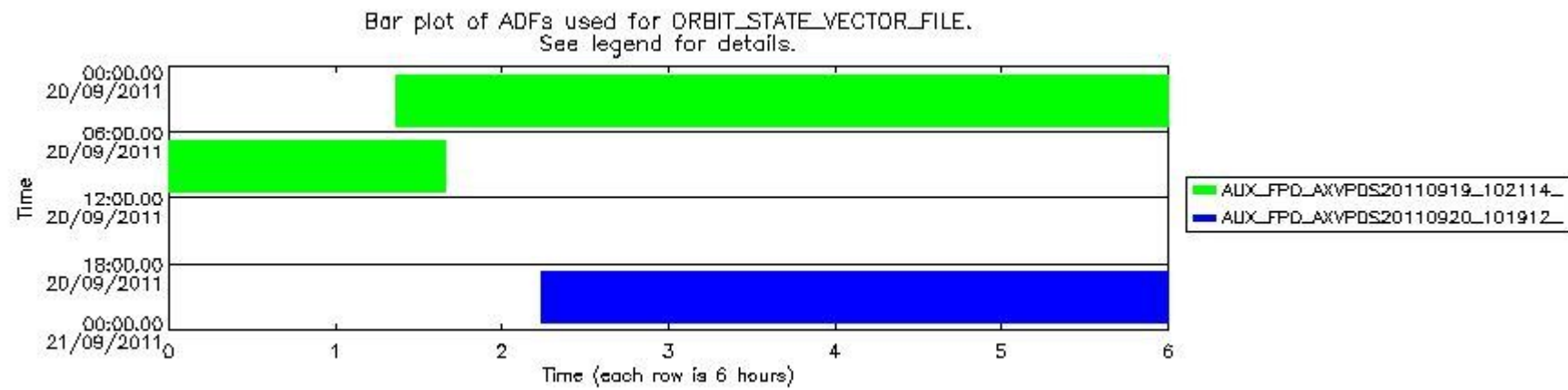
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110919_102114_20110918_193001_20110928_200332
2	AUX_FPO_AXVPDS20110920_101912_20110919_185316_20110929_210701

Number	Product name	#CN0	#FPO
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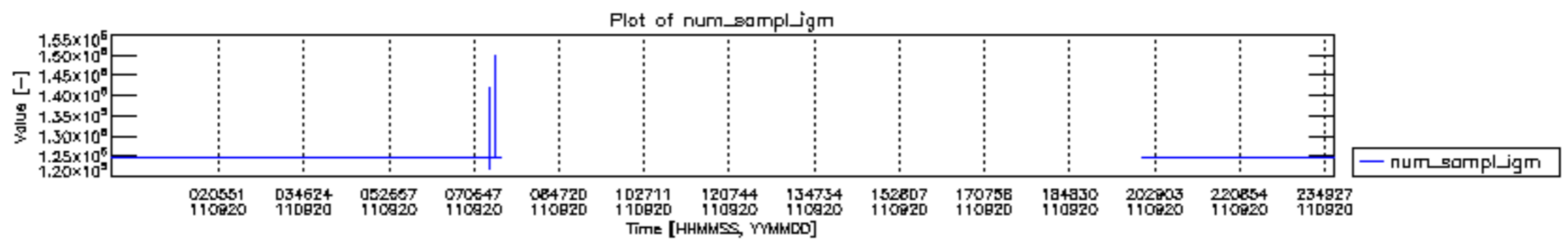
0	MIP_NL__0PNPDE20110920_012158_000102553106_00390_49973_9675.N1	0	1
1	MIP_NL__0PNPDE20110920_041219_000062713106_00392_49975_9676.N1	0	1
2	MIP_NL__0PNPDE20110920_055617_000061763106_00393_49976_9679.N1	0	1
3	MIP_NL__0PNPDK20110920_073840_000000043106_00394_49977_6364.N1	0	1
4	MIP_NL__0PNPDK20110920_073845_000000023106_00394_49977_6369.N1	0	1
5	MIP_NL__0PNPDE20110920_201400_000043183106_00402_49985_9680.N1	0	2
6	MIP_NL__0PNPDE20110920_212502_000061443106_00402_49985_9681.N1	0	2
7	MIP_NL__0PNPDE20110920_230625_000060733106_00403_49986_9682.N1	0	2

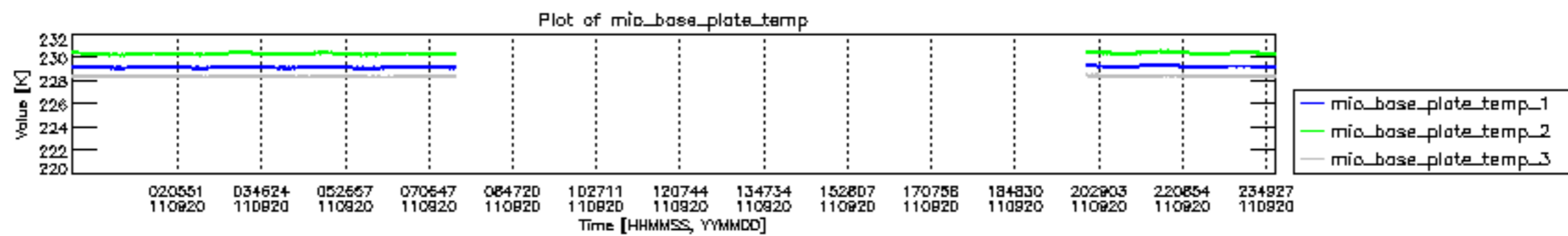


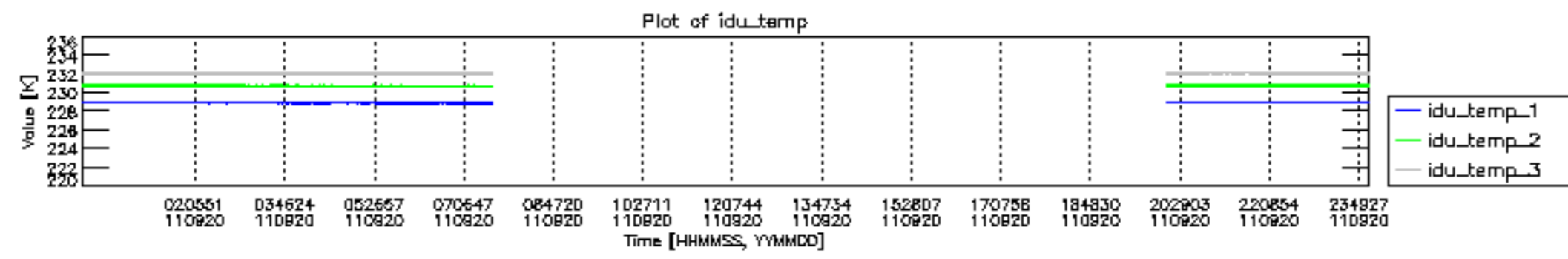
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_12.PNG

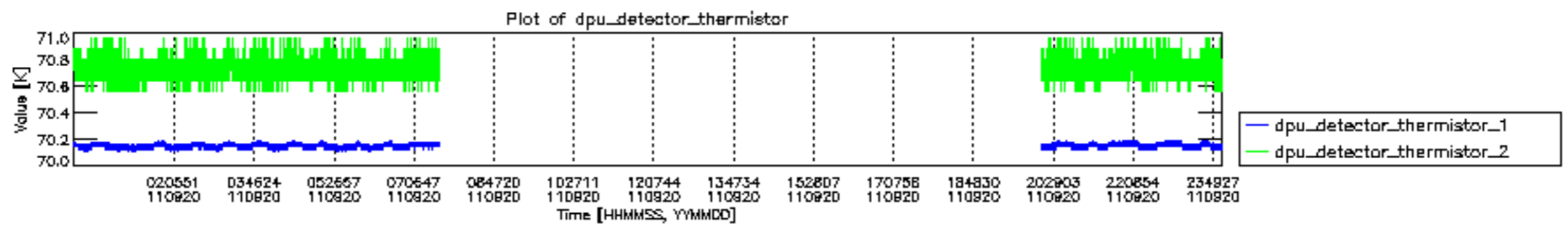


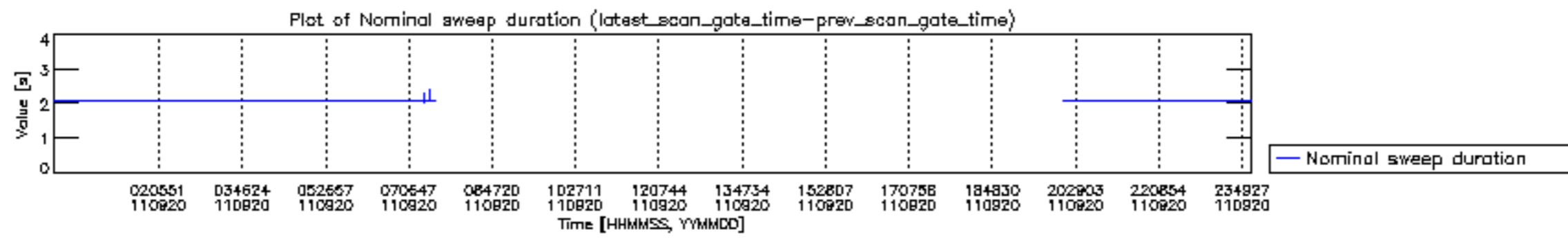
mipas_daily_report_level0_KSPT_L0_4504_N_20110920_13.PNG

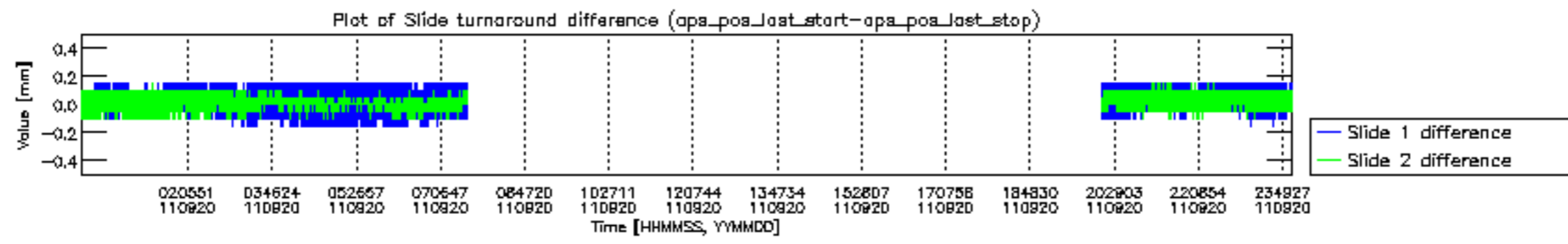


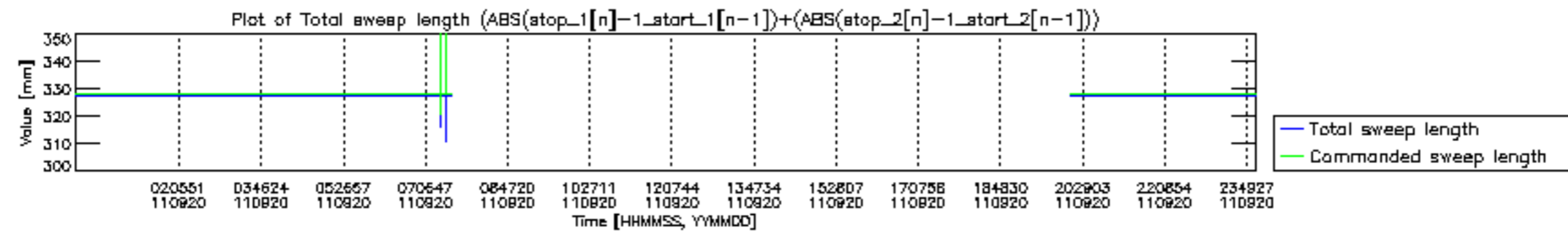


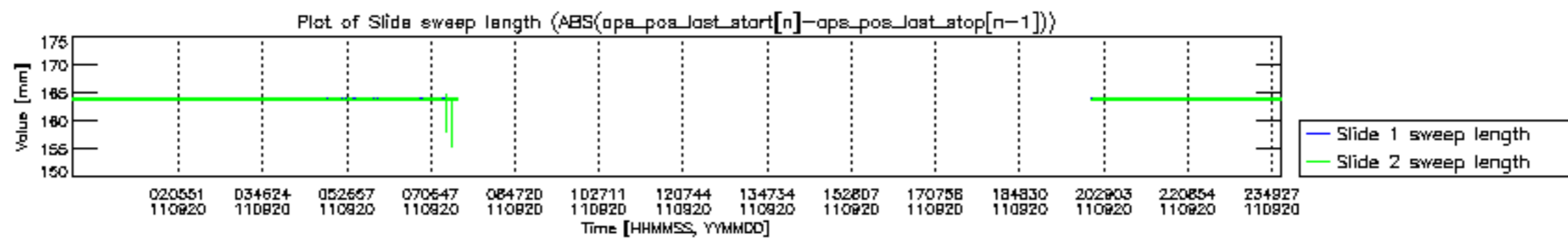


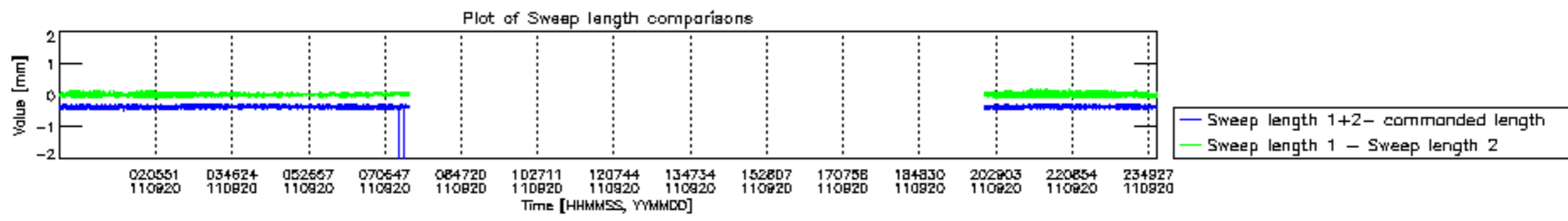


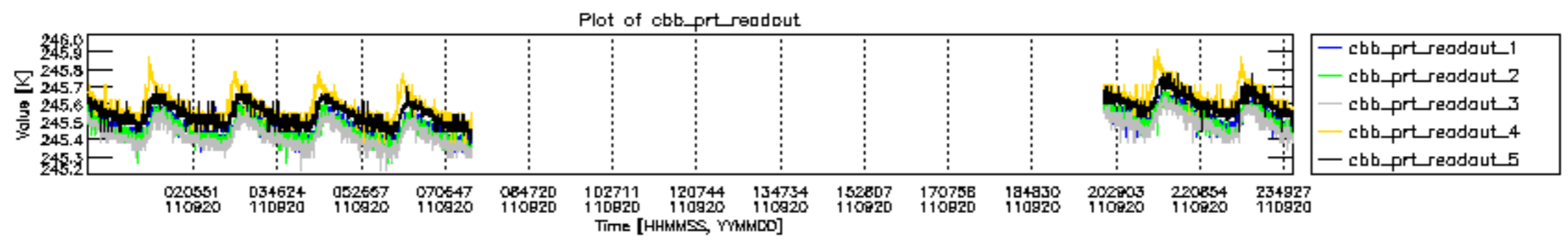


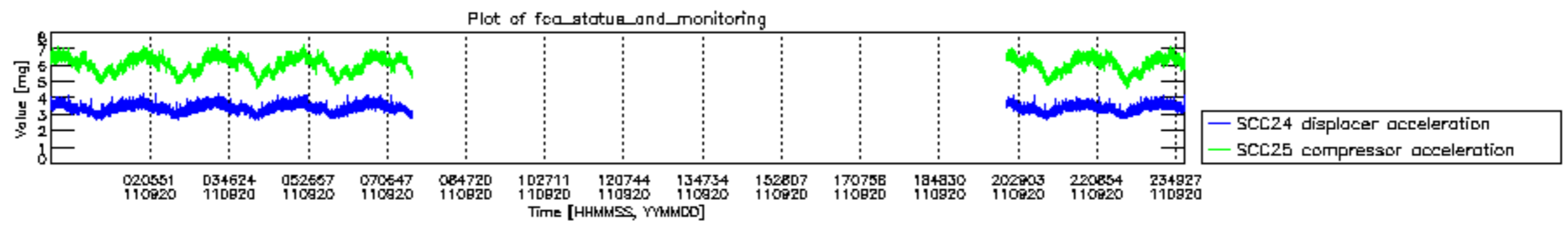












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

