

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	15JUN2011 05:24:02
Data source version	KSPT_L0/4504-N
Processing scope for products	10JUN2011 00:00:00 to 11JUN2011 00:00:00
Start time of first product within scope	10JUN2011 03:13:12
Stop time of last product within scope	11JUN2011 01:23:37
Total number of level 0 products	13
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__0PNPDE20110610_031312_000061153103_00219_48509_9004.N1	10JUN2011 03:13:12	10JUN2011 04:55:06	0	0	0	0	0
1	MIP_NL__0PNPDE20110610_045433_000060543103_00220_48510_9005.N1	10JUN2011 04:54:33	10JUN2011 06:35:27	0	0	0	0	0
2	MIP_NL__0PNPDK20110610_063454_000040283103_00221_48511_5449.N1	10JUN2011 06:34:54	10JUN2011 07:42:02	0	0	0	0	0
3	MIP_NL__0PNPDK20110610_074128_000061313103_00222_48512_5450.N1	10JUN2011 07:41:28	10JUN2011 09:23:39	0	0	0	0	0
4	MIP_NL__0PNPDK20110610_092255_000060353103_00223_48513_5451.N1	10JUN2011 09:22:55	10JUN2011 11:03:31	0	0	0	0	0
5	MIP_NL__0PNPDK20110610_110249_000059503103_00224_48514_5452.N1	10JUN2011 11:02:49	10JUN2011 12:41:59	0	0	0	0	0
6	MIP_NL__0PNPDK20110610_124127_000059143103_00225_48515_5453.N1	10JUN2011 12:41:27	10JUN2011 14:20:02	0	0	0	0	0
7	MIP_NL__0PNPDK20110610_141928_000059253103_00226_48516_5454.N1	10JUN2011 14:19:28	10JUN2011 15:58:13	0	0	0	0	0
8	MIP_NL__0PNPDK20110610_155739_000058583103_00227_48517_5455.N1	10JUN2011 15:57:39	10JUN2011 17:35:17	0	0	0	0	0
9	MIP_NL__0PNPDK20110610_173440_000058813103_00228_48518_5456.N1	10JUN2011 17:34:40	10JUN2011 19:12:40	0	0	0	0	0
10	MIP_NL__0PNPDK20110610_191144_000059853103_00229_48519_5457.N1	10JUN2011 19:11:44	10JUN2011 20:51:29	0	0	0	0	0
11	MIP_NL__0PNPDE20110610_220315_000060863103_00230_48520_9007.N1	10JUN2011 22:03:15	10JUN2011 23:44:40	0	0	0	0	0
12	MIP_NL__0PNPDE20110610_234340_000059983103_00231_48521_9008.N1	10JUN2011 23:43:40	11JUN2011 01:23:37	0	0	0	0	0

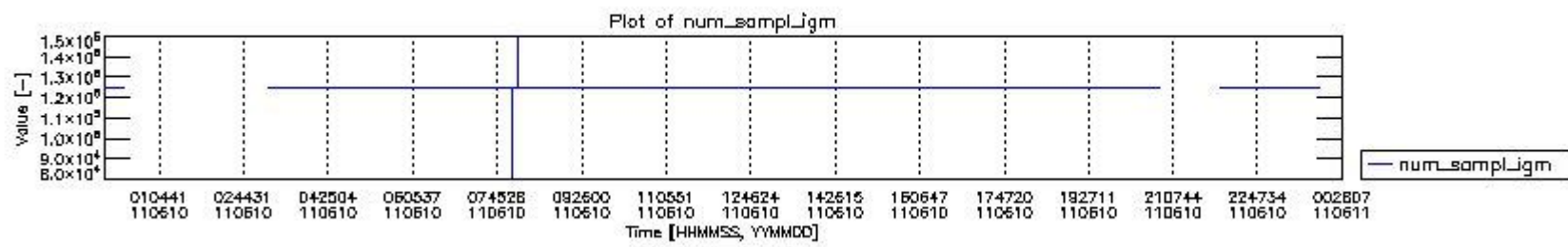
0.2 Instrument Operational Performance Parameters

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.

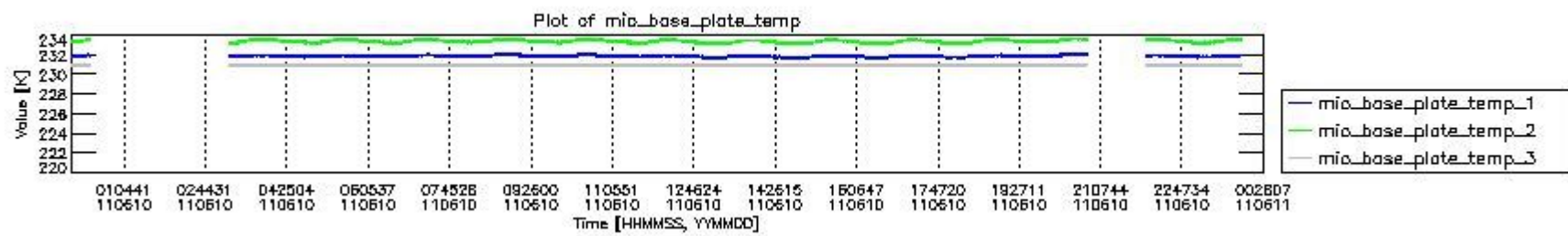
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80662	1	0.0028967875
92665	1	0.0028967875
112797	1	0.0028967875
124800	32063	92.879696
124803	2452	7.1029229

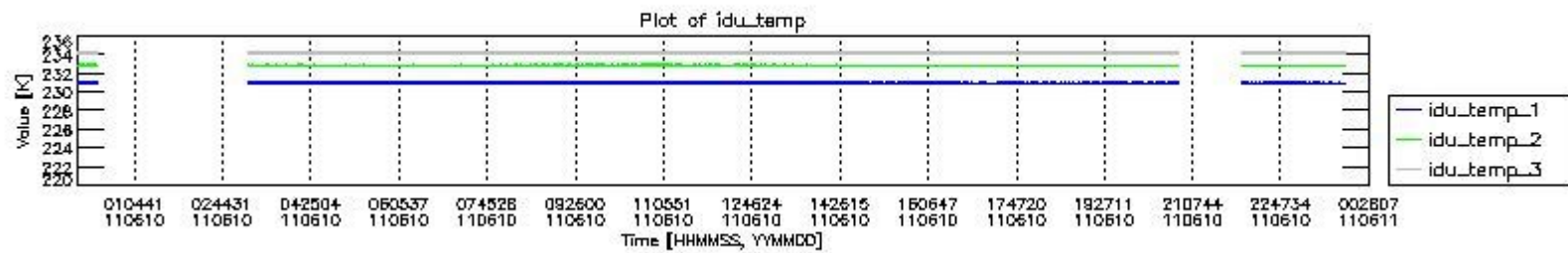
127159	1	0.0028967875
147291	1	0.0028967875
149650	1	0.0028967875



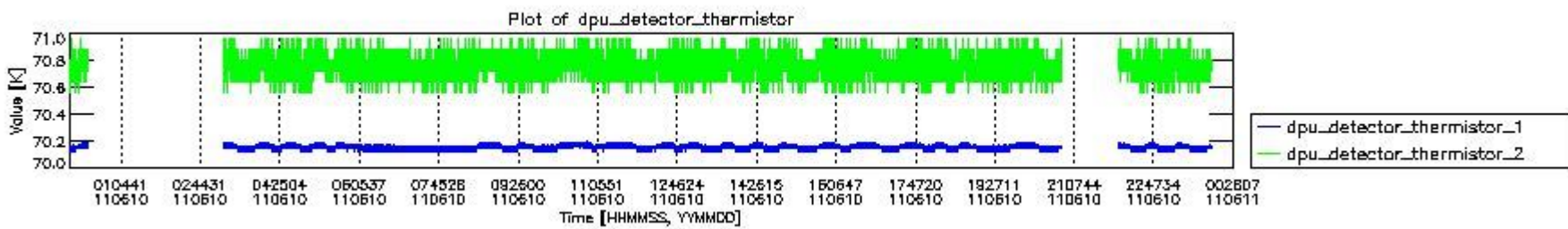
mipas_daily_report_level0_KSPT_L0_4504_N_20110610_0.PNG



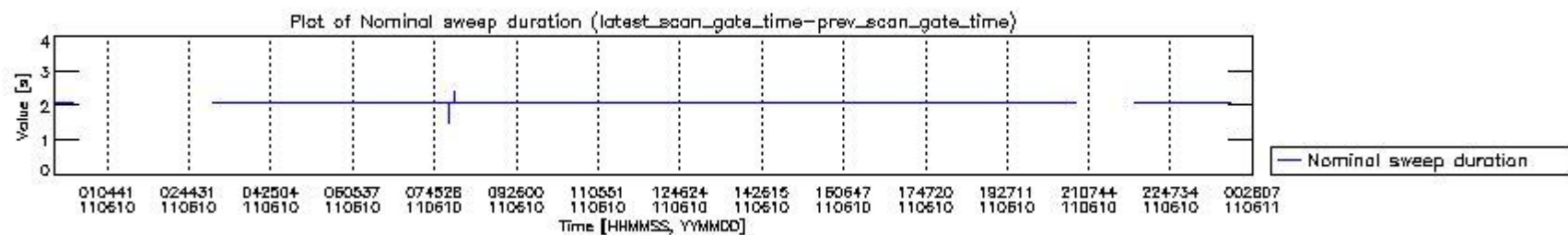
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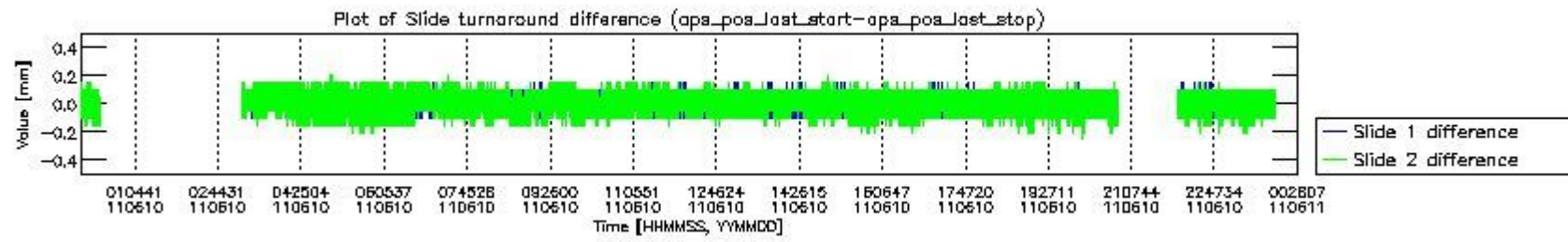
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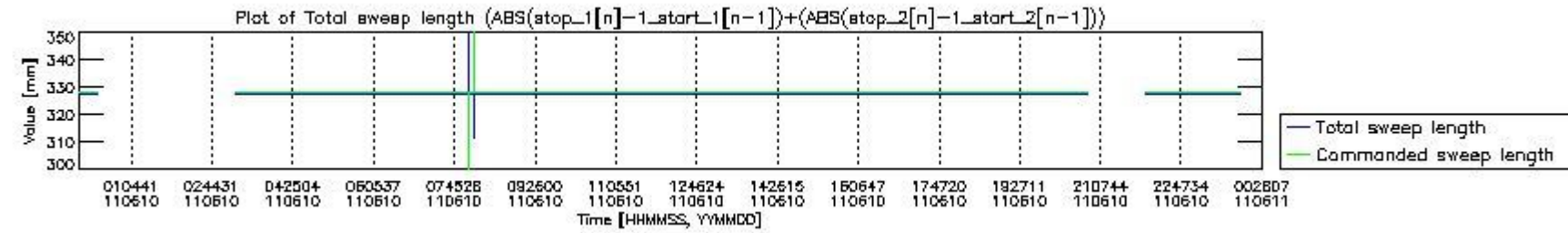
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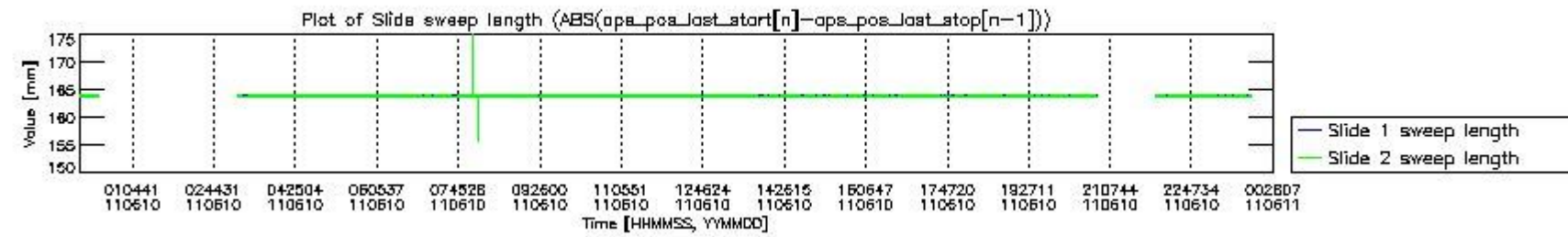
mipas_daily_report_level0_KSPT_L0_4504_N_20110610_4.PNG



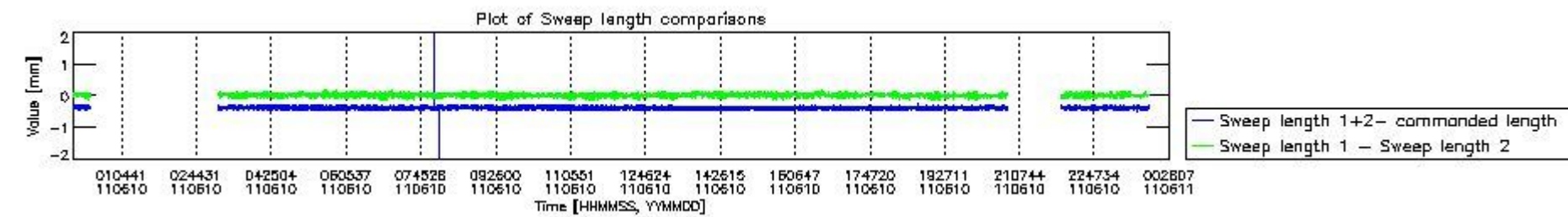
mipas_daily_report_level0_KSPT_L0_4504_N_20110610_5.PNG



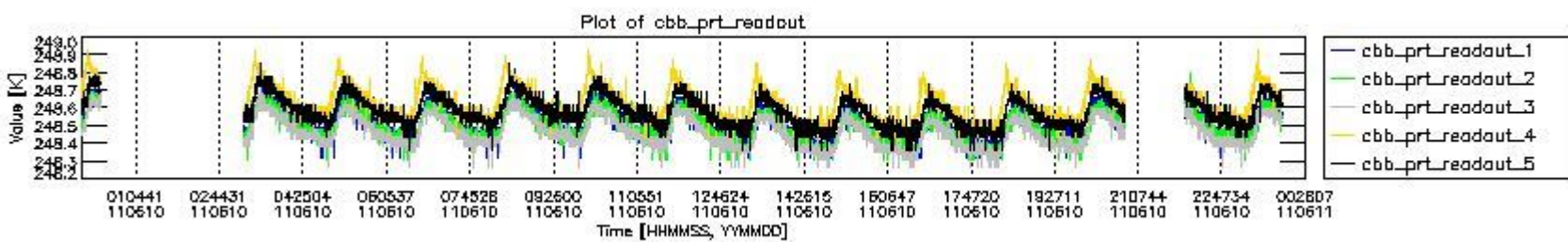
mipas_daily_report_level0_KSPT_L0_4504_N_20110610_6.PNG



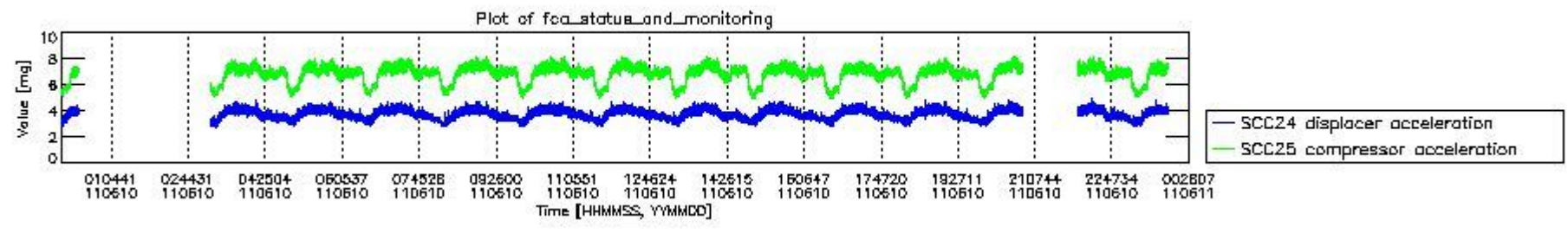
mipas_daily_report_level0_KSPT_L0_4504_N_20110610_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110610_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110610_9.PNG

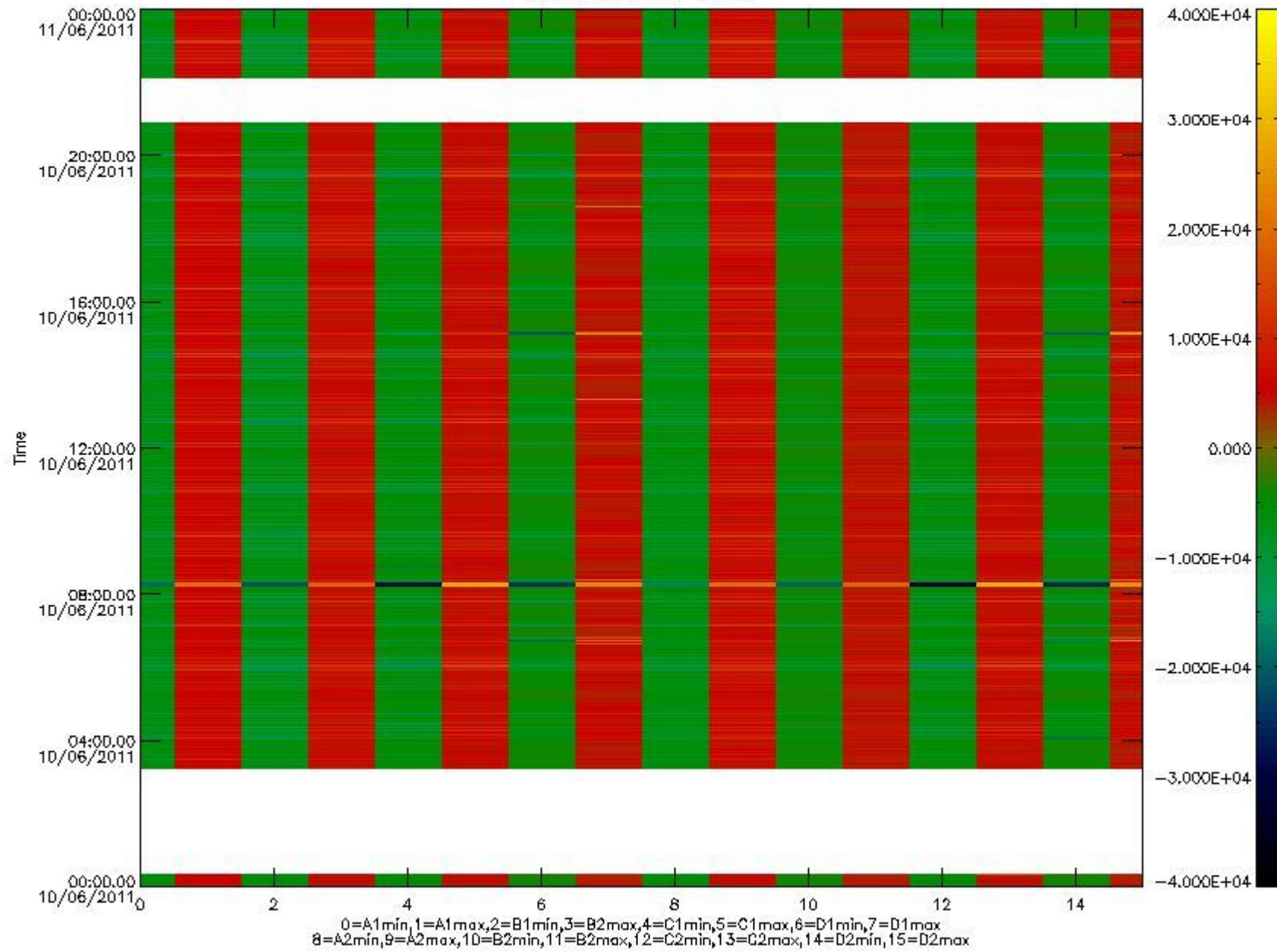


mipas_daily_report_level0_KSPT_L0_4504_N_20110610_10.PNG

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

Channel	Min	Max	ADC
A1	-19298	20560	16bit
B1	-22297	19006	16bit
C1	-28934	28886	16bit
D1	-32768	32767	16bit
A2	-16598	20679	16bit
B2	-20717	20217	16bit
C2	-30061	29768	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_20110610_11.PNG

0.3 ADF monitoring

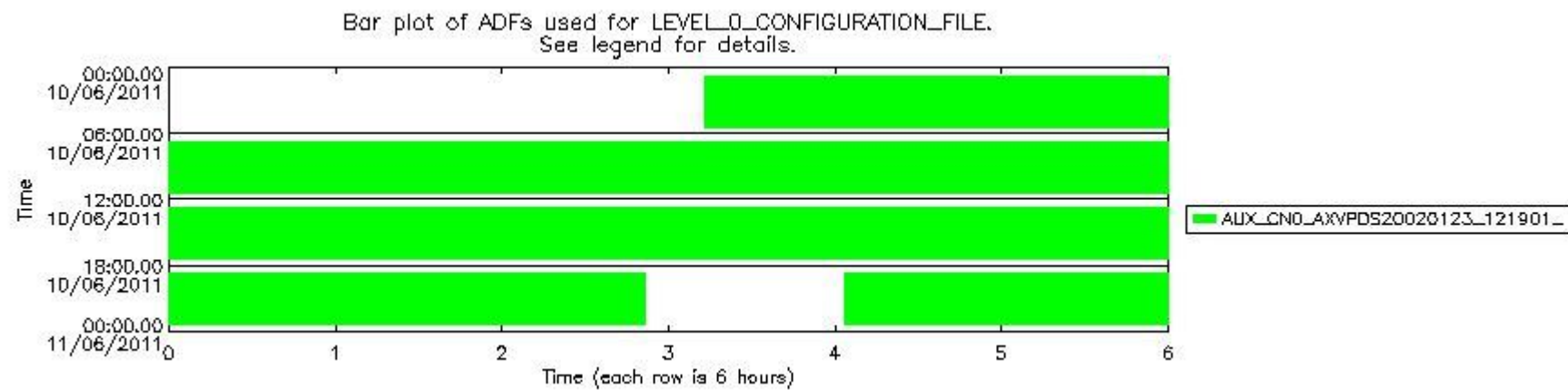
The use of ADFs is shown in two ways:

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.

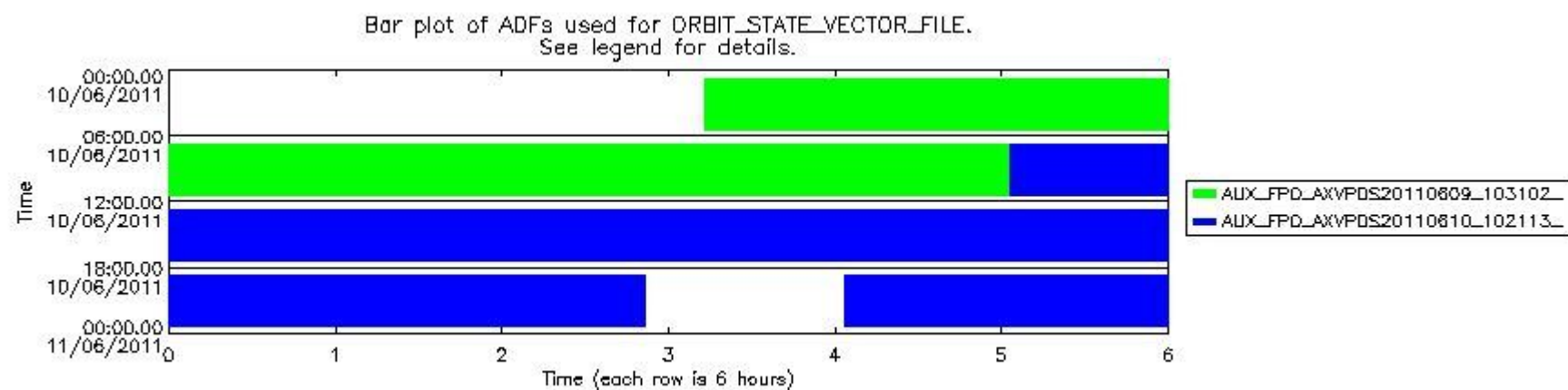
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110609_103102_20110608_182830_20110618_204217
2	AUX_FPO_AXVPDS20110610_102113_20110609_193200_20110619_200533

Number	Product name	#CN0	#FPO
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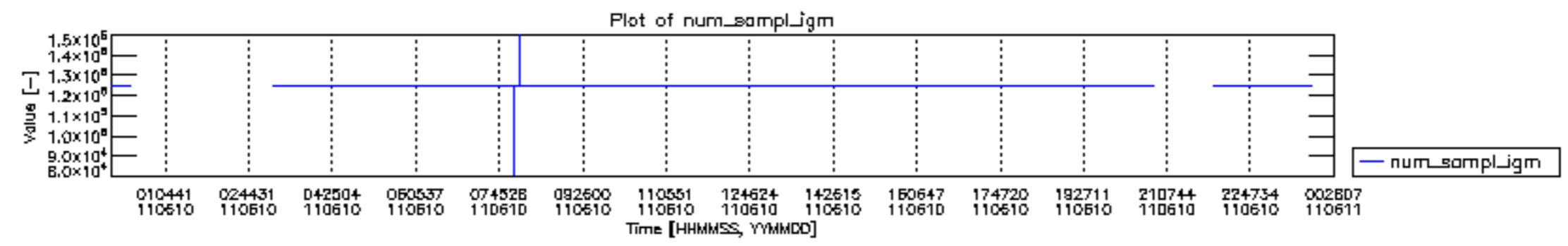
0	MIP_NL__0PNPDE20110610_031312_000061153103_00219_48509_9004.N1	0	1
1	MIP_NL__0PNPDE20110610_045433_000060543103_00220_48510_9005.N1	0	1
2	MIP_NL__0PNPDK20110610_063454_000040283103_00221_48511_5449.N1	0	1
3	MIP_NL__0PNPDK20110610_074128_000061313103_00222_48512_5450.N1	0	1
4	MIP_NL__0PNPDK20110610_092255_000060353103_00223_48513_5451.N1	0	1
5	MIP_NL__0PNPDK20110610_110249_000059503103_00224_48514_5452.N1	0	2
6	MIP_NL__0PNPDK20110610_124127_000059143103_00225_48515_5453.N1	0	2
7	MIP_NL__0PNPDK20110610_141928_000059253103_00226_48516_5454.N1	0	2
8	MIP_NL__0PNPDK20110610_155739_000058583103_00227_48517_5455.N1	0	2
9	MIP_NL__0PNPDK20110610_173440_000058813103_00228_48518_5456.N1	0	2
10	MIP_NL__0PNPDK20110610_191144_000059853103_00229_48519_5457.N1	0	2
11	MIP_NL__0PNPDE20110610_220315_000060863103_00230_48520_9007.N1	0	2
12	MIP_NL__0PNPDE20110610_234340_000059983103_00231_48521_9008.N1	0	2

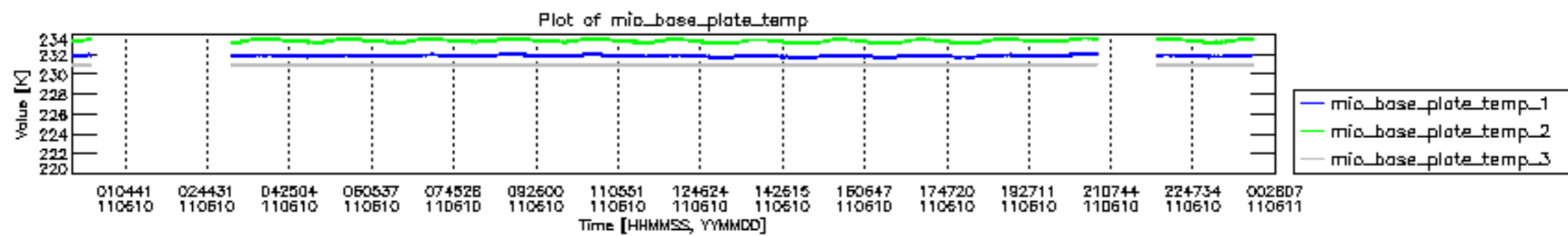


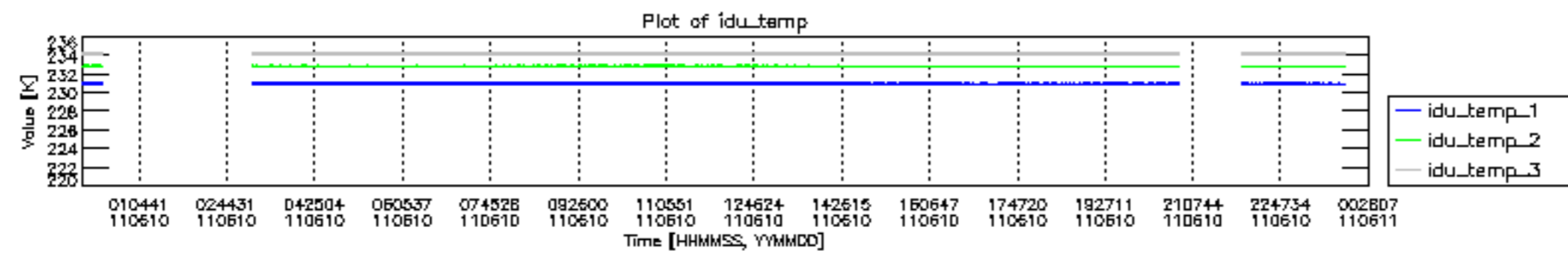
mipas_daily_report_level0_KSPT_L0_4504_N_20110610_12.PNG

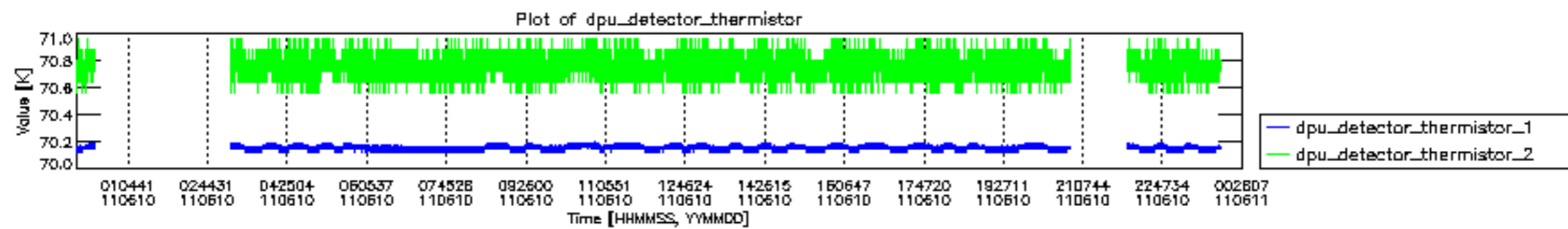


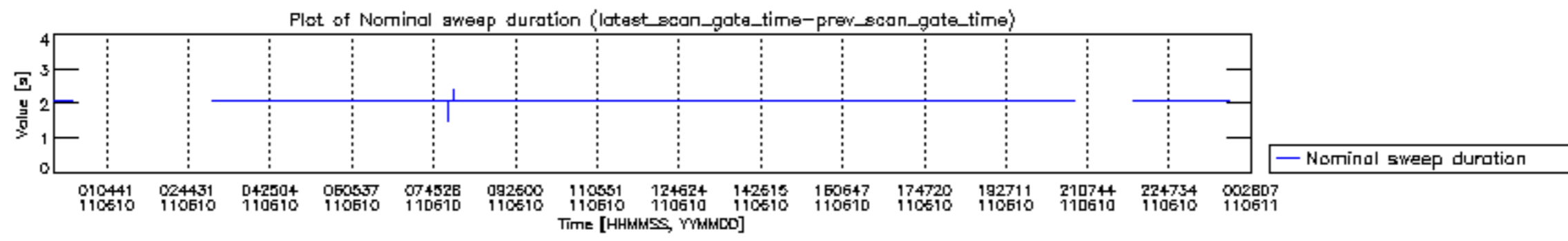
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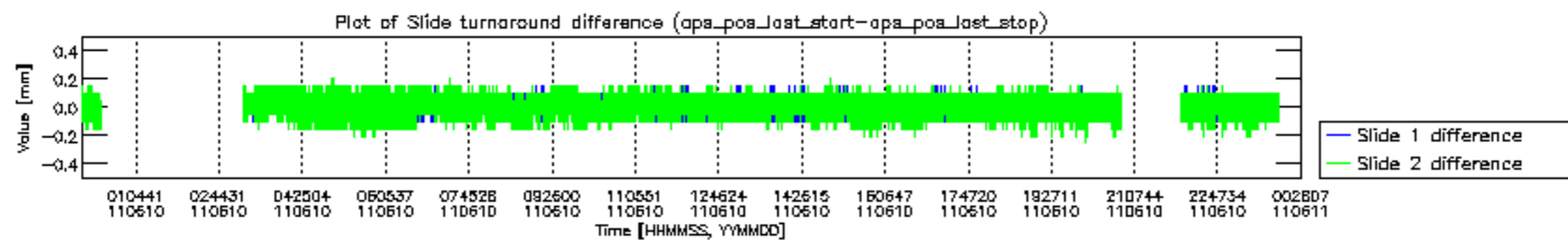


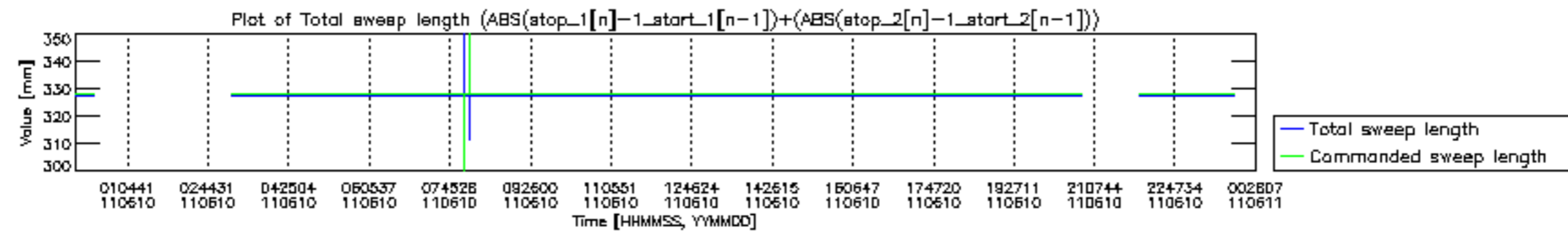


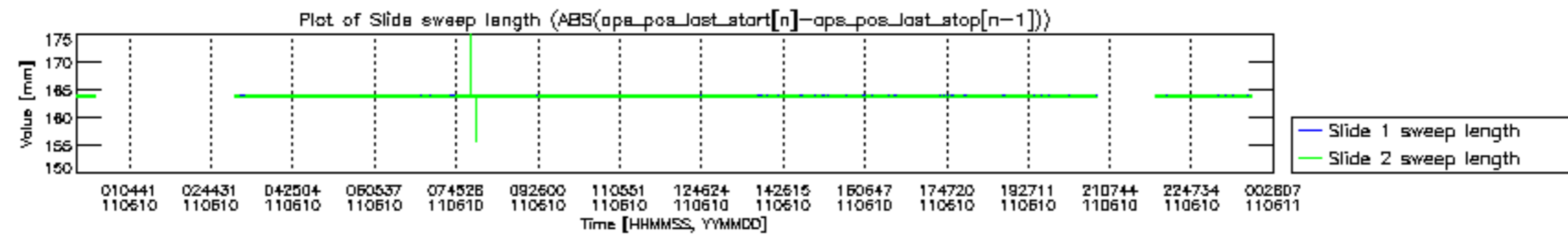


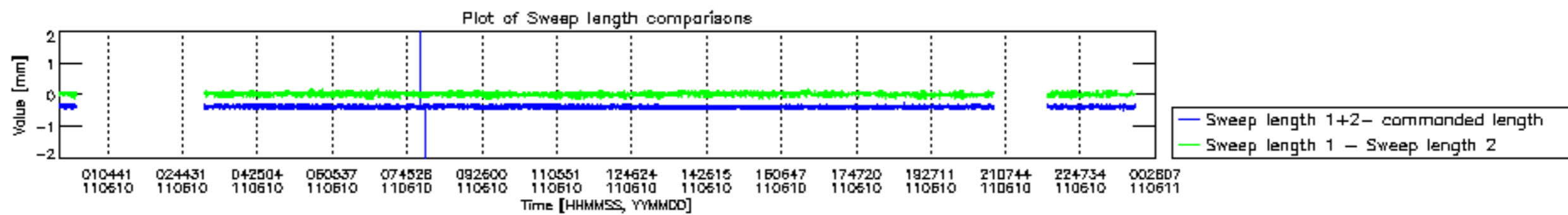


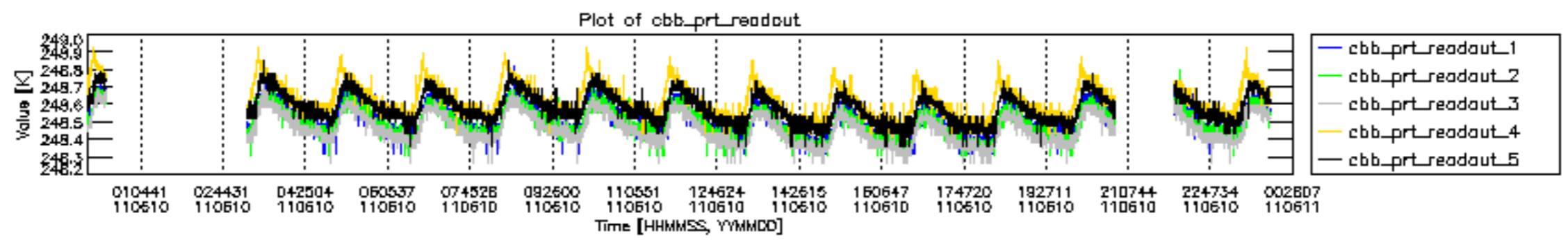


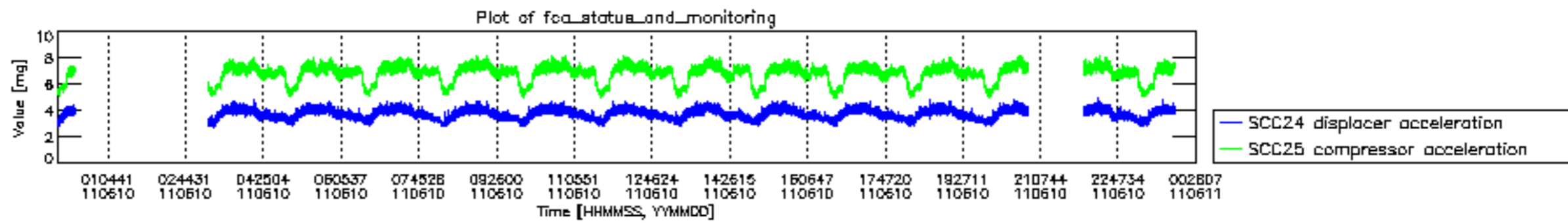












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

