

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	26AUG2011 05:22:11
Data source version	KSPT_L0/4504-N
Processing scope for products	21AUG2011 00:00:00 to 22AUG2011 00:00:00
Start time of first product within scope	21AUG2011 01:20:54
Stop time of last product within scope	22AUG2011 00:45:36
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__0PNPDE20110821_012054_000103183105_00390_49542_9484.N1	21AUG2011 01:20:54	21AUG2011 04:12:52	0	0	0	0	0
1	MIP_NL__0PNPDE20110821_041218_000062213105_00392_49544_9485.N1	21AUG2011 04:12:18	21AUG2011 05:55:59	0	0	0	0	0
2	MIP_NL__0PNPDE20110821_055526_000062173105_00393_49545_9486.N1	21AUG2011 05:55:26	21AUG2011 07:39:03	0	0	0	0	0
3	MIP_NL__0PNPDK20110821_073827_000038403105_00394_49546_6103.N1	21AUG2011 07:38:27	21AUG2011 08:42:27	0	0	0	0	0
4	MIP_NL__0PNPDK20110821_084154_000061903105_00395_49547_6104.N1	21AUG2011 08:41:54	21AUG2011 10:25:03	0	0	0	0	0
5	MIP_NL__0PNPDK20110821_102430_000059263105_00396_49548_6105.N1	21AUG2011 10:24:30	21AUG2011 12:03:16	0	0	0	0	0
6	MIP_NL__0PNPDK20110821_120233_000059473105_00397_49549_6106.N1	21AUG2011 12:02:33	21AUG2011 13:41:40	0	0	0	0	0
7	MIP_NL__0PNPDK20110821_134107_000058763105_00398_49550_6107.N1	21AUG2011 13:41:07	21AUG2011 15:19:03	0	0	0	0	0
8	MIP_NL__0PNPDK20110821_151752_000059083105_00399_49551_6108.N1	21AUG2011 15:17:52	21AUG2011 16:56:20	0	0	0	0	0
9	MIP_NL__0PNPDK20110821_165521_000059963105_00400_49552_6109.N1	21AUG2011 16:55:21	21AUG2011 18:35:17	0	0	0	0	0
10	MIP_NL__0PNPDK20110821_183418_000060123105_00401_49553_6110.N1	21AUG2011 18:34:18	21AUG2011 20:14:30	0	0	0	0	0
11	MIP_NL__0PNPDE20110821_201336_000043263105_00402_49554_9487.N1	21AUG2011 20:13:36	21AUG2011 21:25:43	0	0	0	0	0
12	MIP_NL__0PNPDE20110821_212440_000061083105_00402_49554_9488.N1	21AUG2011 21:24:40	21AUG2011 23:06:28	0	0	0	0	0
13	MIP_NL__0PNPDE20110821_230530_000060063105_00403_49555_9489.N1	21AUG2011 23:05:30	22AUG2011 00:45:36	0	0	0	0	0

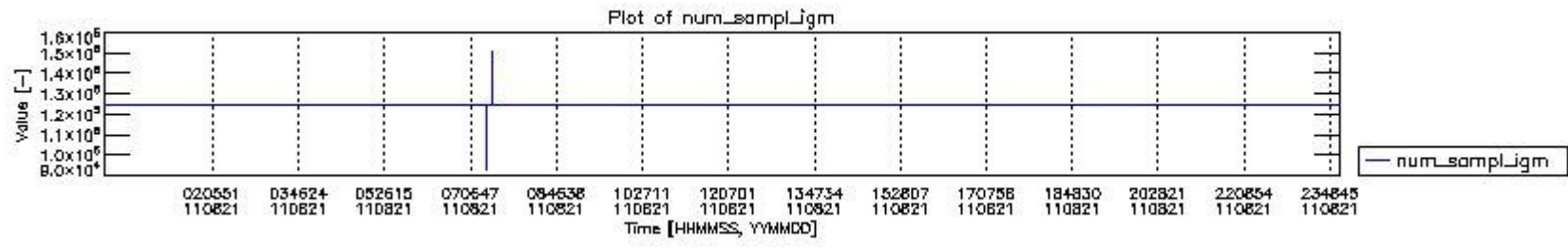
0.2 Instrument Operational Performance Parameters

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.

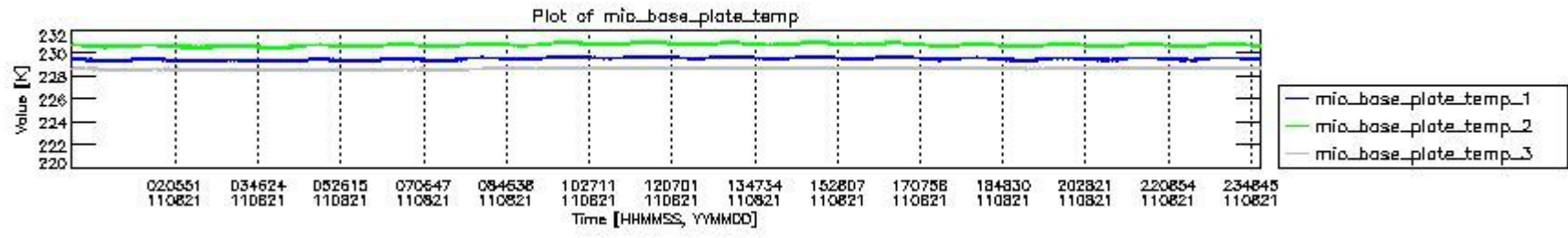
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
92556	1	0.0024031529
98612	1	0.0024031529
118744	1	0.0024031529
124800	38650	92.881861

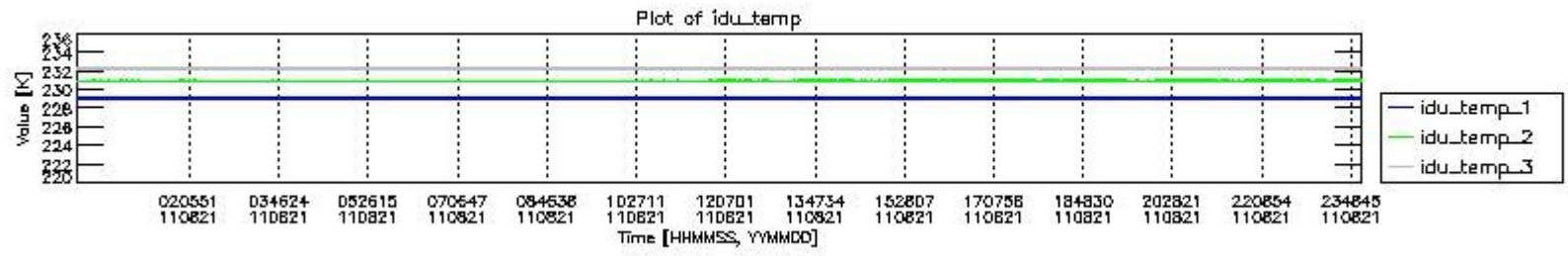
124803	2956	7.1037201
127679	1	0.0024031529
147811	1	0.0024031529
150690	1	0.0024031529



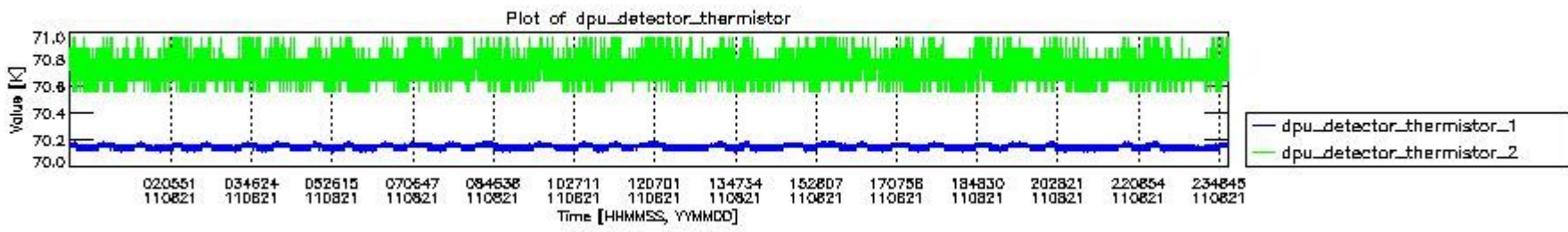
mipas_daily_report_level0_KSPT_L0_4504_N_20110821_0.PNG



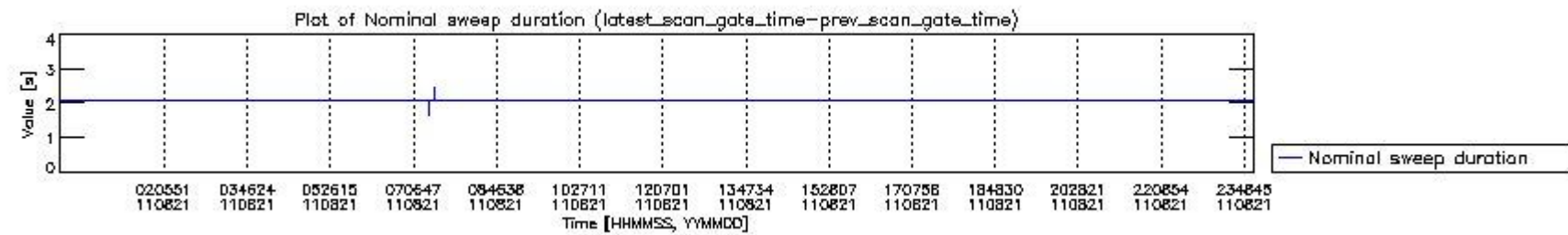
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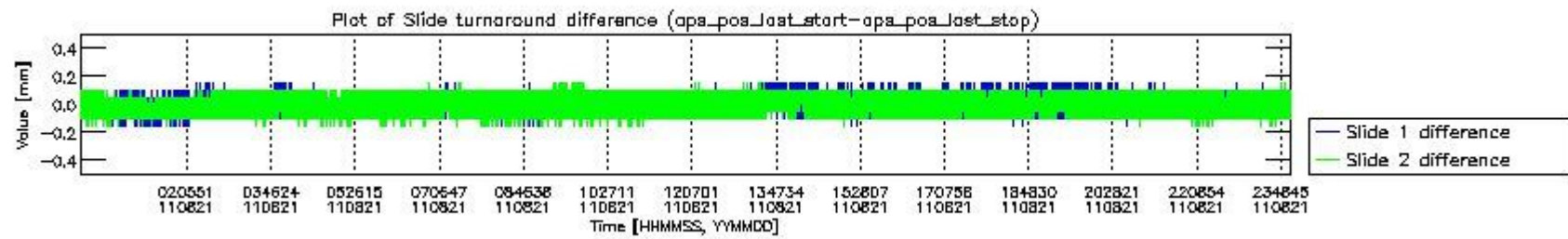
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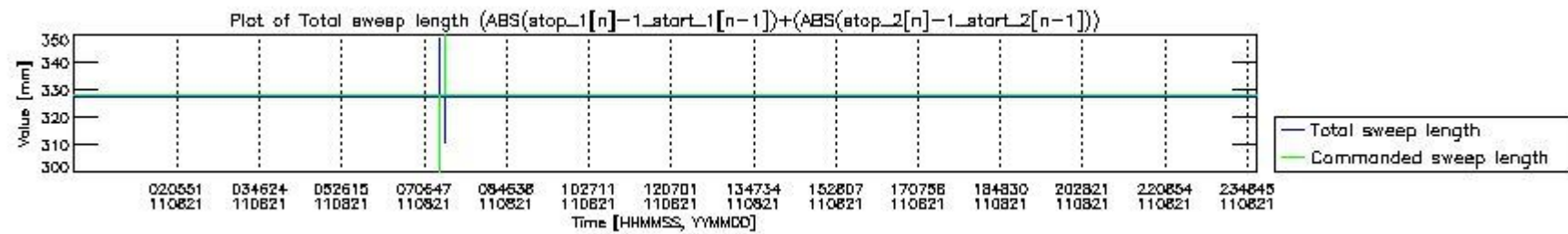
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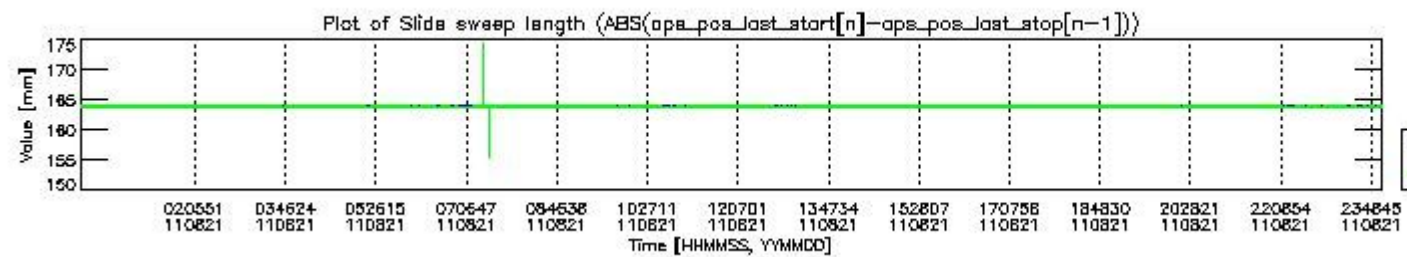
mipas_daily_report_level0_KSPT_L0_4504_N_20110821_4.PNG



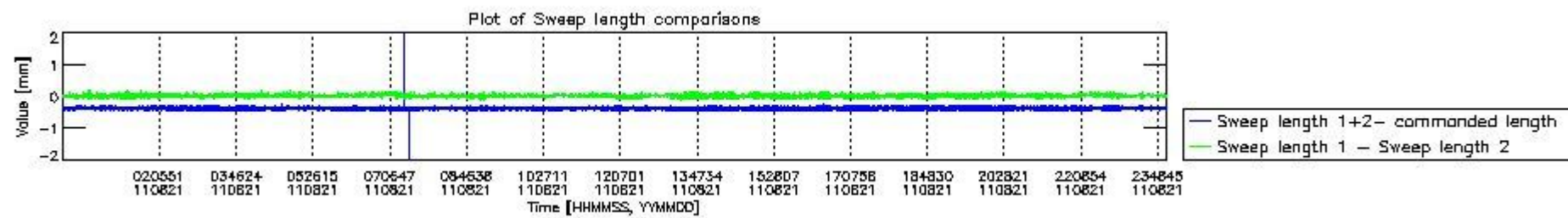
mipas_daily_report_level0_KSPT_L0_4504_N_20110821_5.PNG



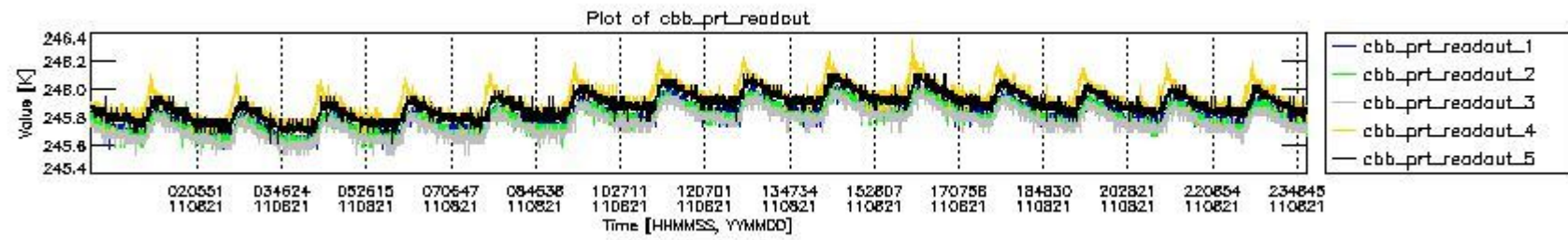
mipas_daily_report_level0_KSPT_L0_4504_N_20110821_6.PNG



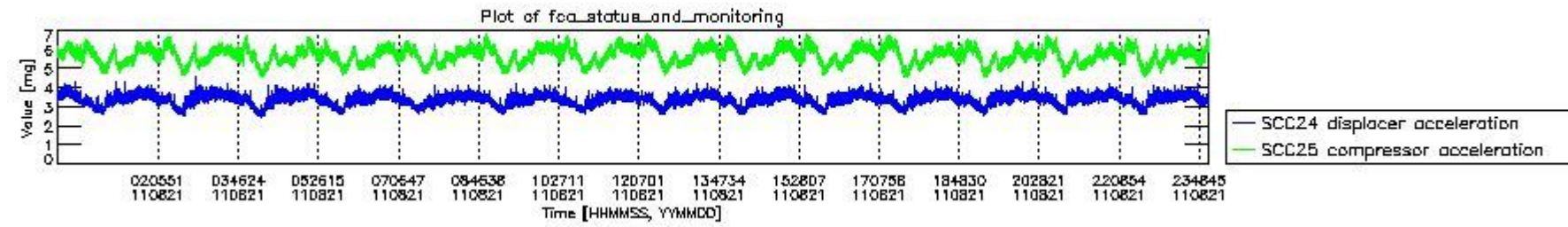
mipas_daily_report_level0_KSPT_L0_4504_N_20110821_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110821_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110821_9.PNG

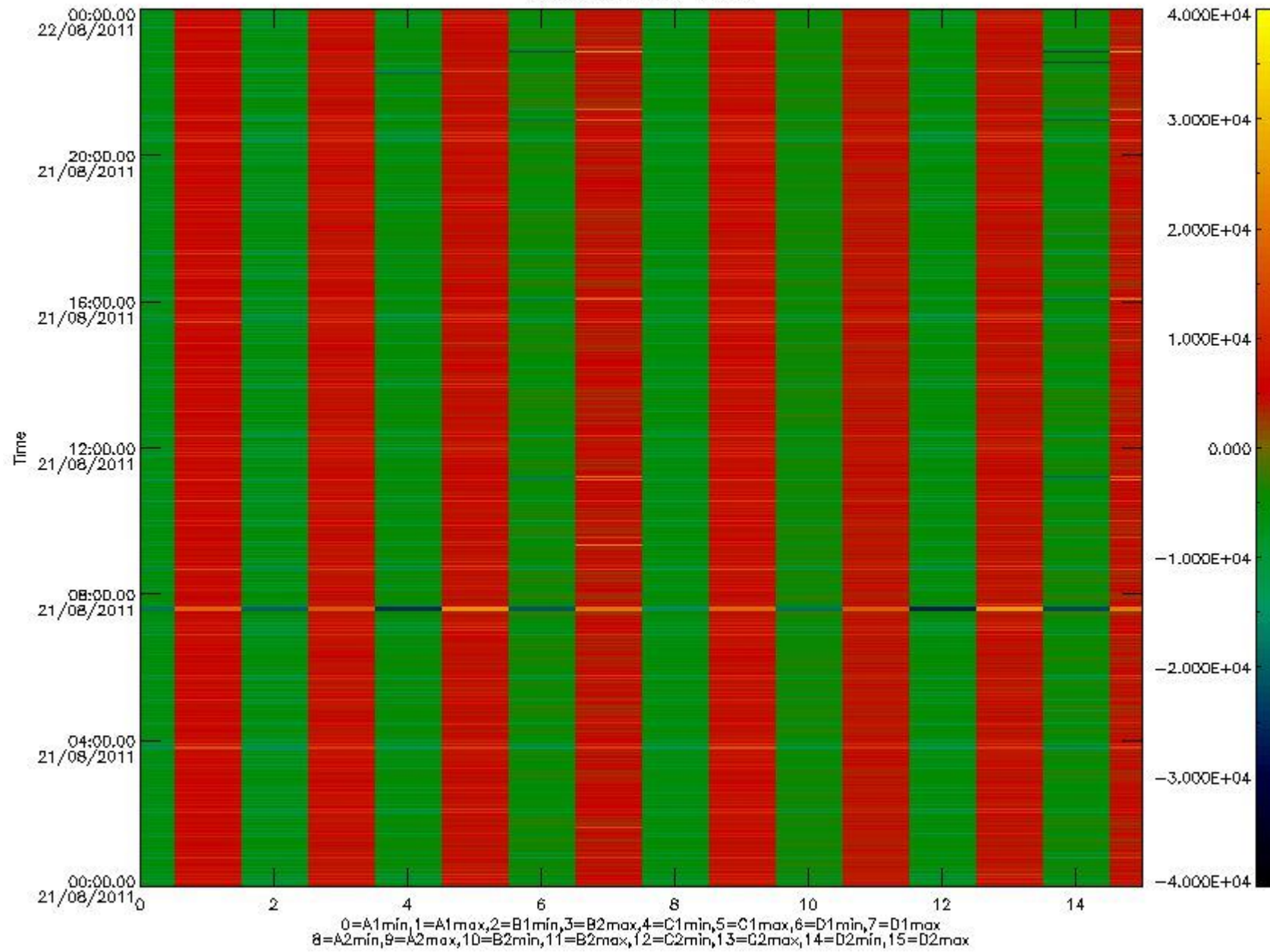


mipas_daily_report_level0_KSPT_L0_4504_N_20110821_10.PNG

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

Channel	Min	Max	ADC
A1	-18298	19288	16bit
B1	-20639	17765	16bit
C1	-26143	26069	16bit
D1	-32768	32767	16bit
A2	-15796	19495	16bit
B2	-18887	18560	16bit
C2	-27223	27356	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_20110821_11.PNG

0.3 ADF monitoring

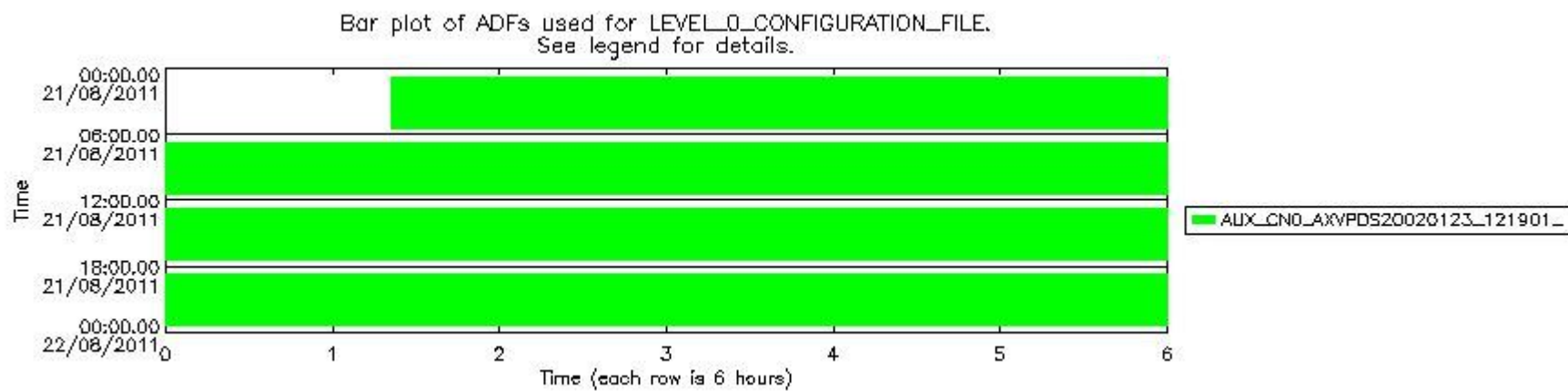
The use of ADFs is shown in two ways:

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.

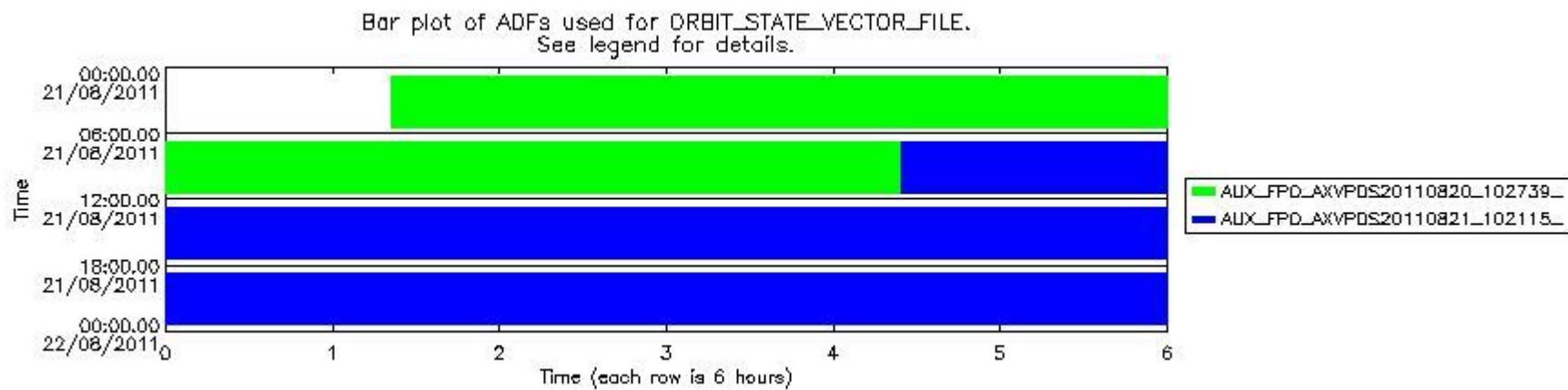
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110820_102739_20110819_192941_20110829_200314
2	AUX_FPO_AXVPDS20110821_102115_20110820_185257_20110830_210643

Number	Product name	#CN0	#FPO
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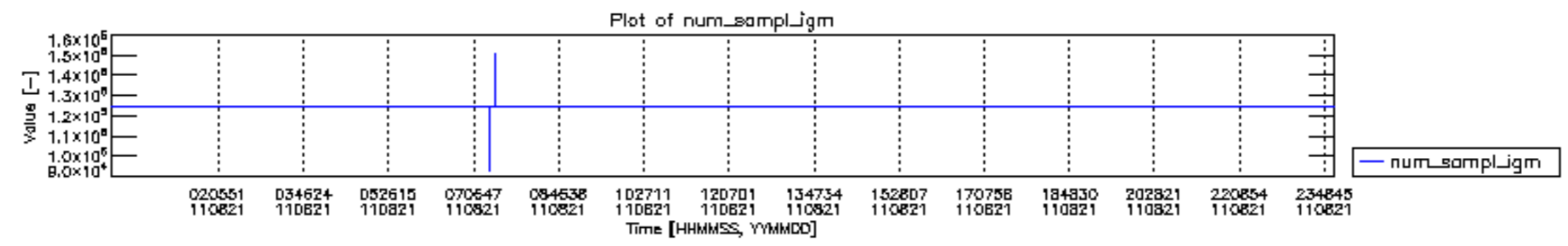
0	MIP_NL__0PNPDE20110821_012054_000103183105_00390_49542_9484.N1	0	1
1	MIP_NL__0PNPDE20110821_041218_000062213105_00392_49544_9485.N1	0	1
2	MIP_NL__0PNPDE20110821_055526_000062173105_00393_49545_9486.N1	0	1
3	MIP_NL__0PNPDK20110821_073827_000038403105_00394_49546_6103.N1	0	1
4	MIP_NL__0PNPDK20110821_084154_000061903105_00395_49547_6104.N1	0	1
5	MIP_NL__0PNPDK20110821_102430_000059263105_00396_49548_6105.N1	0	2
6	MIP_NL__0PNPDK20110821_120233_000059473105_00397_49549_6106.N1	0	2
7	MIP_NL__0PNPDK20110821_134107_000058763105_00398_49550_6107.N1	0	2
8	MIP_NL__0PNPDK20110821_151752_000059083105_00399_49551_6108.N1	0	2
9	MIP_NL__0PNPDK20110821_165521_000059963105_00400_49552_6109.N1	0	2
10	MIP_NL__0PNPDK20110821_183418_000060123105_00401_49553_6110.N1	0	2
11	MIP_NL__0PNPDE20110821_201336_000043263105_00402_49554_9487.N1	0	2
12	MIP_NL__0PNPDE20110821_212440_000061083105_00402_49554_9488.N1	0	2
13	MIP_NL__0PNPDE20110821_230530_000060063105_00403_49555_9489.N1	0	2

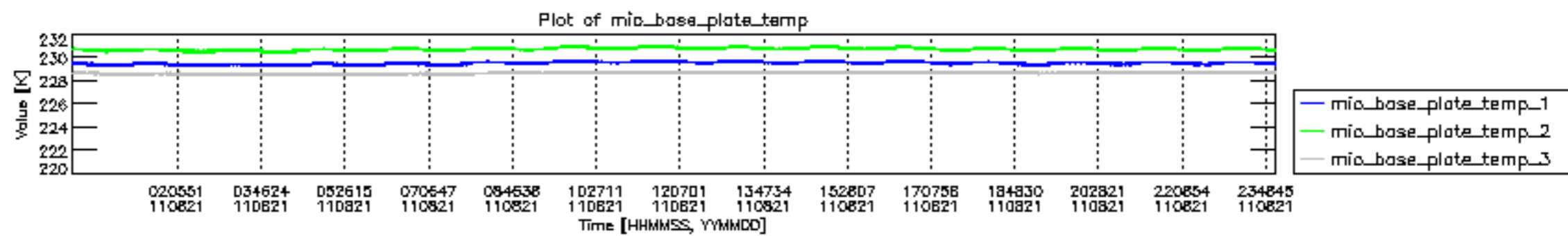


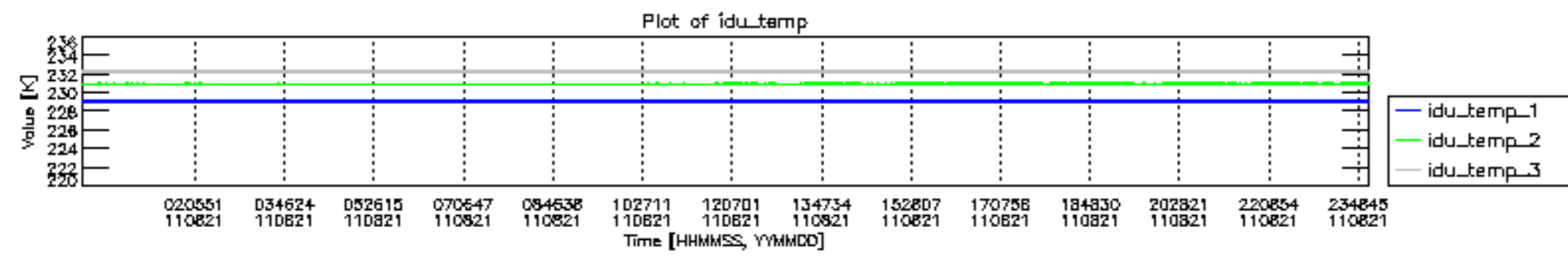
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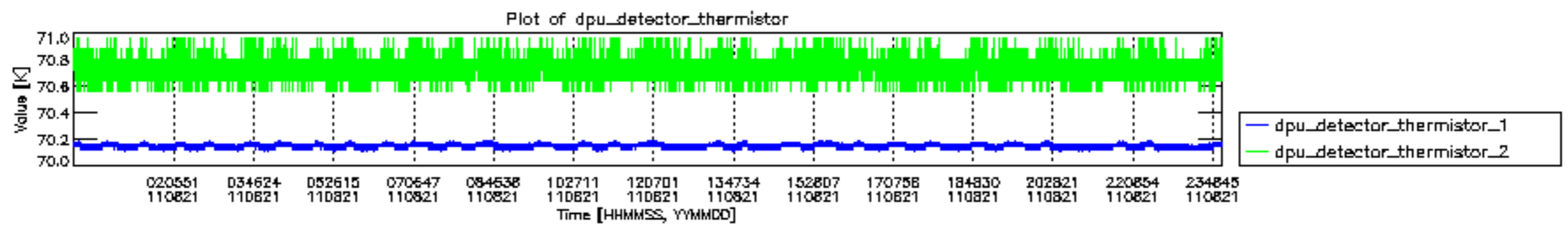


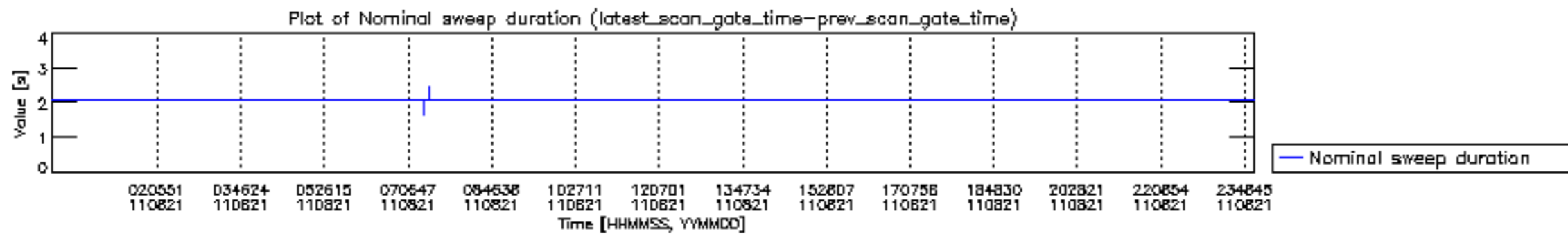
mipas_daily_report_level0_KSPT_L0_4504_N_20110821_13.PNG

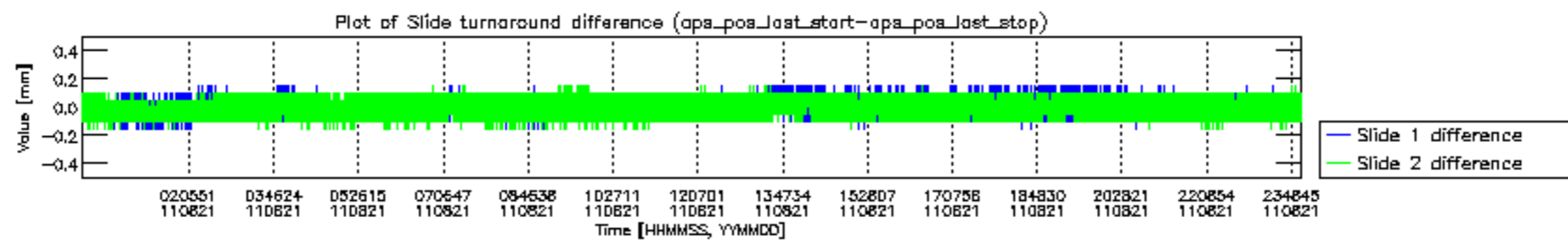


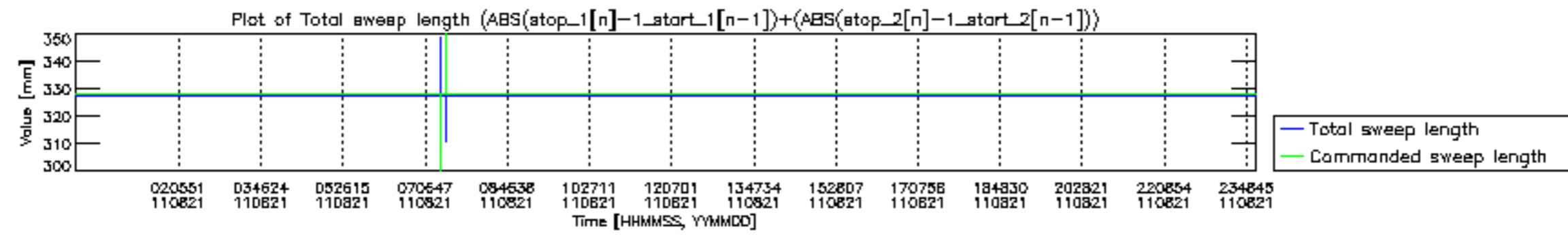


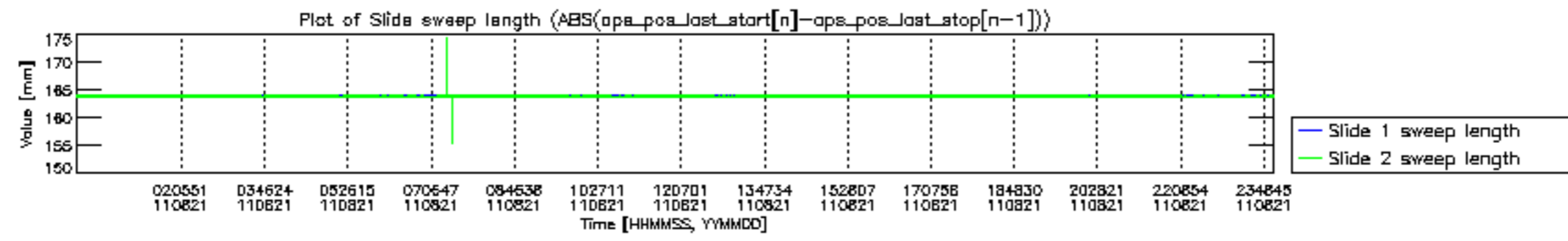


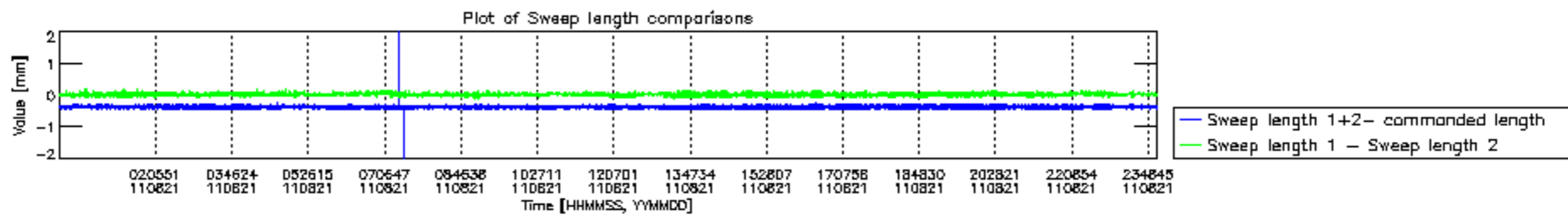


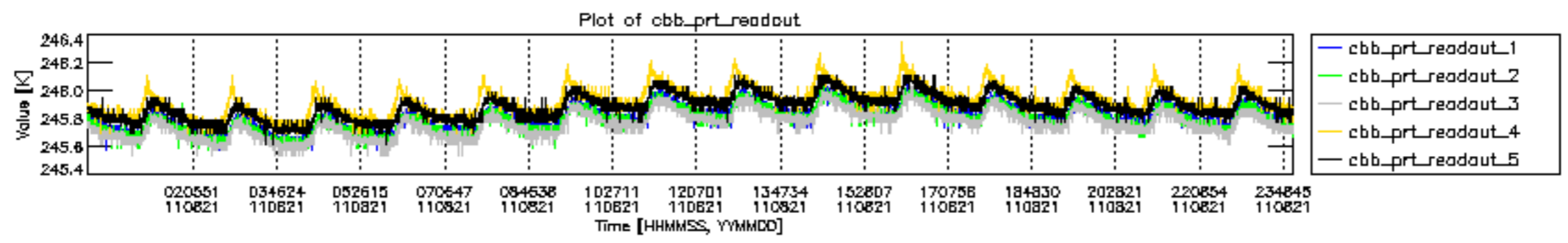


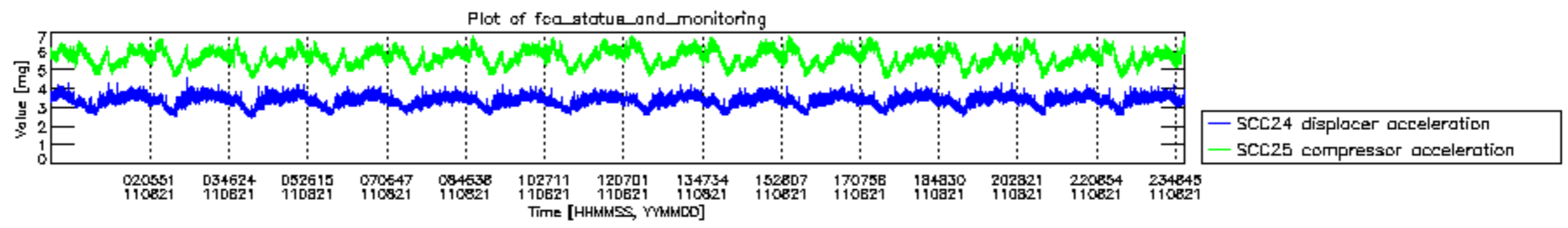












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

