

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	21MAY2011 05:20:10
Data source version	KSPT_L0/4504-N
Processing scope for products	16MAY2011 00:00:00 to 17MAY2011 00:00:00
Start time of first product within scope	16MAY2011 00:36:31
Stop time of last product within scope	17MAY2011 00:01:46
Total number of level 0 products	15
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__0PNPDE20110516_003631_000058223102_00289_48148_8771.N1	16MAY2011 00:36:31	16MAY2011 02:13:33	0	0	0	0	0
1	MIP_NL__0PNPDE20110516_021230_000045983102_00290_48149_8772.N1	16MAY2011 02:12:30	16MAY2011 03:29:08	0	0	0	0	0
2	MIP_NL__0PNPDE20110516_032835_000061753102_00291_48150_8773.N1	16MAY2011 03:28:35	16MAY2011 05:11:30	0	0	0	0	0
3	MIP_NL__0PNPDE20110516_051054_000025213102_00292_48151_8774.N1	16MAY2011 05:10:54	16MAY2011 05:52:56	0	0	0	0	0
4	MIP_NL__0PNPDK20110516_090932_000017963102_00294_48153_5219.N1	16MAY2011 09:09:32	16MAY2011 09:39:29	0	0	0	0	0
5	MIP_NL__0PNPDK20110516_093849_000060003102_00295_48154_5220.N1	16MAY2011 09:38:49	16MAY2011 11:18:49	0	0	0	0	0
6	MIP_NL__0PNPDK20110516_111807_000060003102_00296_48155_5221.N1	16MAY2011 11:18:07	16MAY2011 12:58:07	0	0	0	0	0
7	MIP_NL__0PNPDK20110516_125734_000058813102_00297_48156_5222.N1	16MAY2011 12:57:34	16MAY2011 14:35:34	0	0	0	0	0
8	MIP_NL__0PNPDK20110516_143450_000058993102_00298_48157_5223.N1	16MAY2011 14:34:50	16MAY2011 16:13:10	0	0	0	0	0
9	MIP_NL__0PNPDK20110516_161228_000058313102_00299_48158_5224.N1	16MAY2011 16:12:28	16MAY2011 17:49:39	0	0	0	0	0
10	MIP_NL__0PNPDK20110516_174844_000060713102_00300_48159_5225.N1	16MAY2011 17:48:44	16MAY2011 19:29:55	0	0	0	0	0
11	MIP_NL__0PNPDK20110516_192821_000001043102_00301_48160_5226.N1	16MAY2011 19:28:21	16MAY2011 19:30:06	0	0	0	0	0
12	MIP_NL__0PNPDK20110516_193006_000059333102_00301_48160_5227.N1	16MAY2011 19:30:06	16MAY2011 21:08:59	0	0	0	0	0
13	MIP_NL__0PNPDE20110516_210727_000043563102_00302_48161_8775.N1	16MAY2011 21:07:27	16MAY2011 22:20:02	0	0	0	0	0
14	MIP_NL__0PNPDE20110516_221906_000061613102_00302_48161_8776.N1	16MAY2011 22:19:06	17MAY2011 00:01:46	0	0	0	0	0

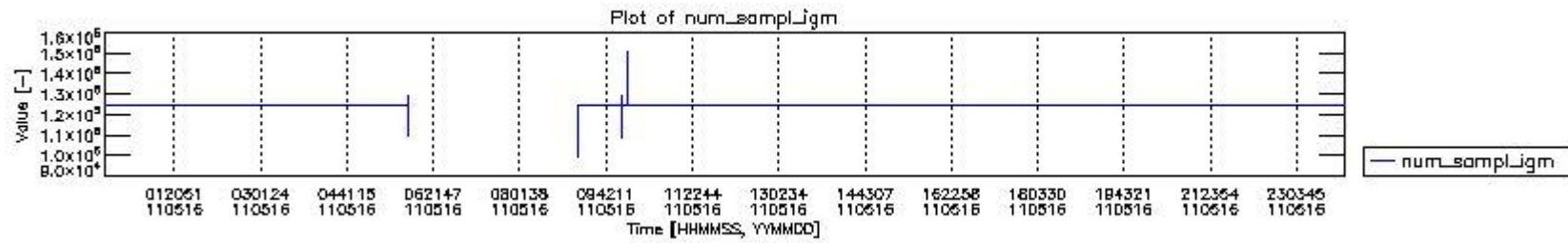
0.2 Instrument Operational Performance Parameters

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.

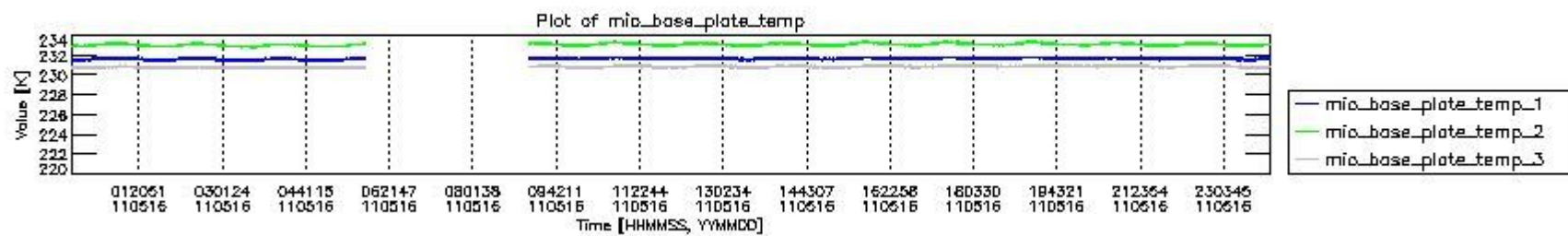
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99070	1	0.0027828797
108722	1	0.0027828797
109391	1	0.0027828797

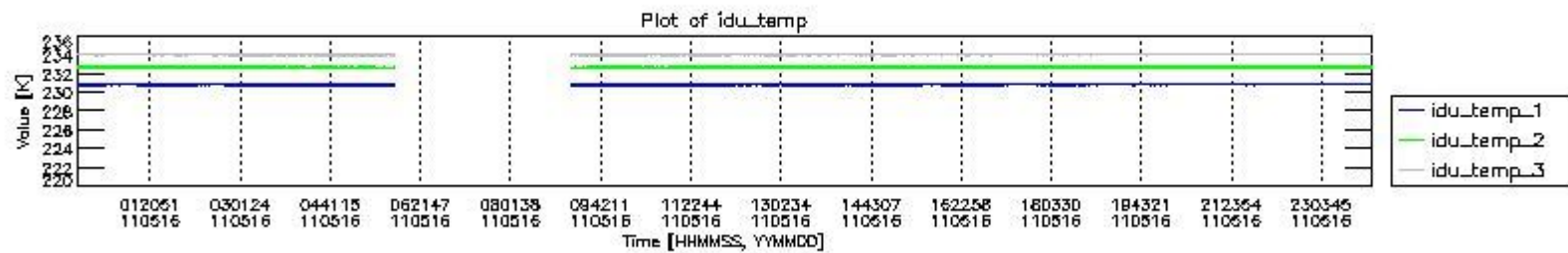
112776	1	0.0027828797
114114	1	0.0027828797
123844	1	0.0027828797
124322	1	0.0027828797
124800	33372	92.870262
124803	2550	7.0963433
127679	1	0.0027828797
128854	1	0.0027828797
129523	1	0.0027828797
147811	1	0.0027828797
150690	1	0.0027828797



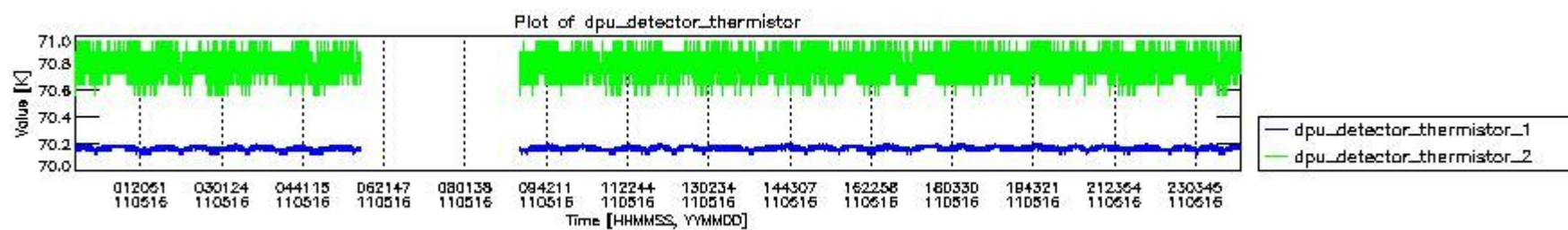
mipas_daily_report_level0_KSPT_L0_4504_N_20110516_0.PNG



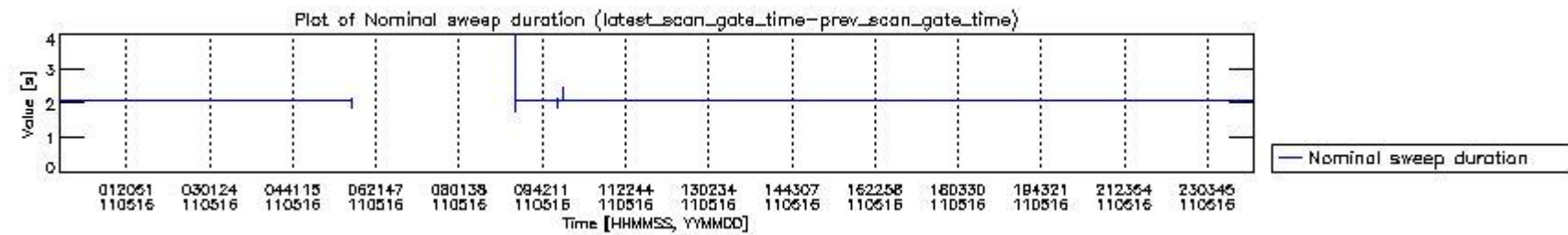
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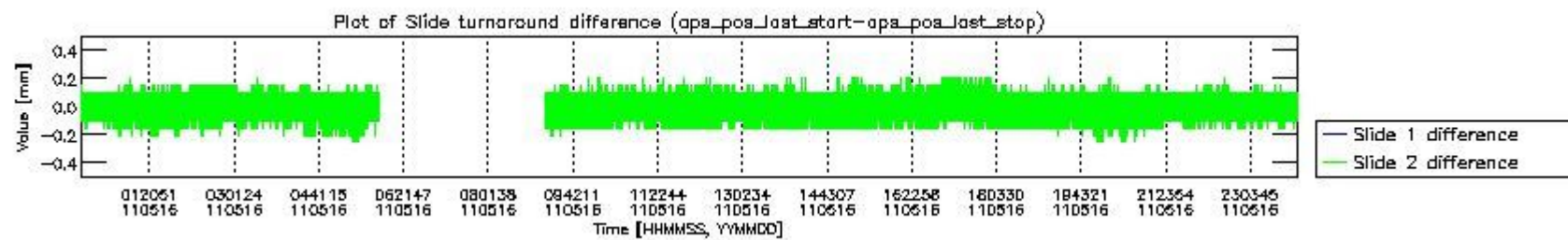
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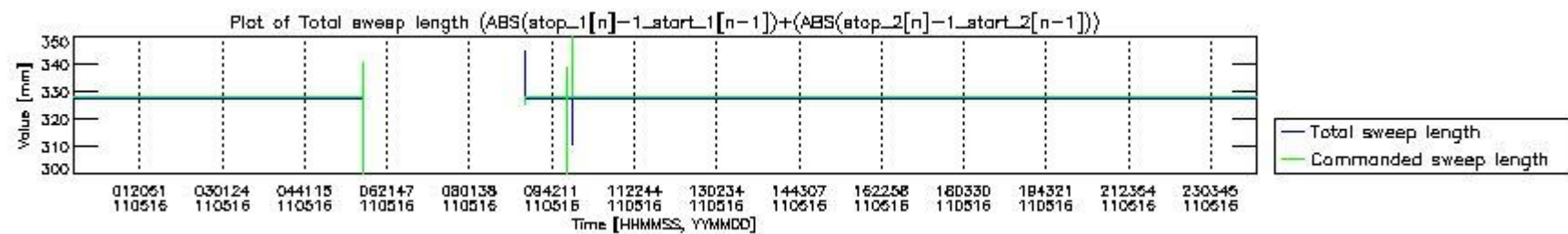
mipas_daily_report_level0_KSPT_L0_4504_N_20110516_3.PNG



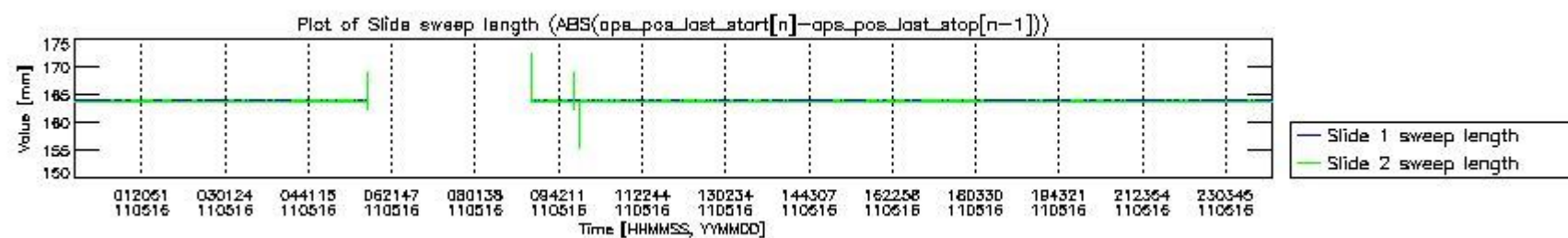
mipas_daily_report_level0_KSPT_L0_4504_N_20110516_4.PNG



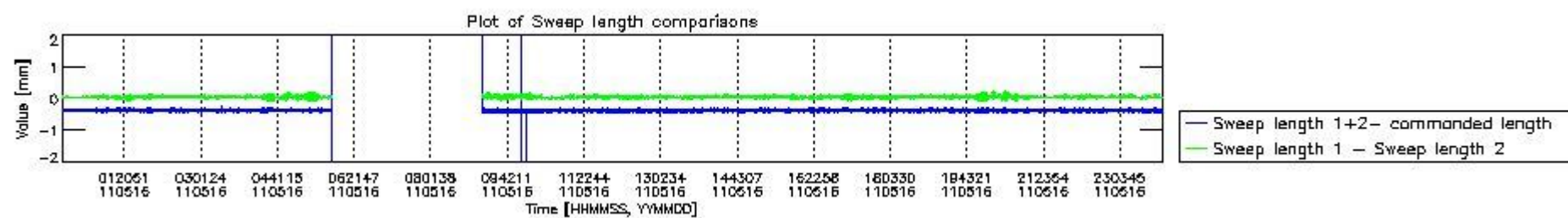
mipas_daily_report_level0_KSPT_L0_4504_N_20110516_5.PNG



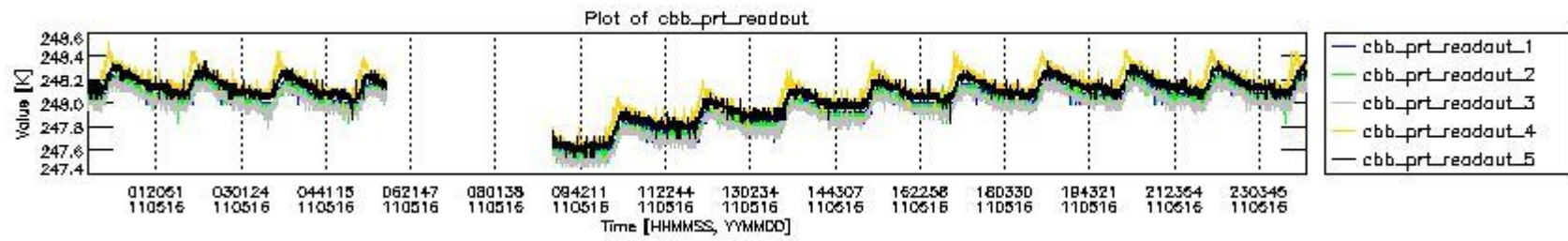
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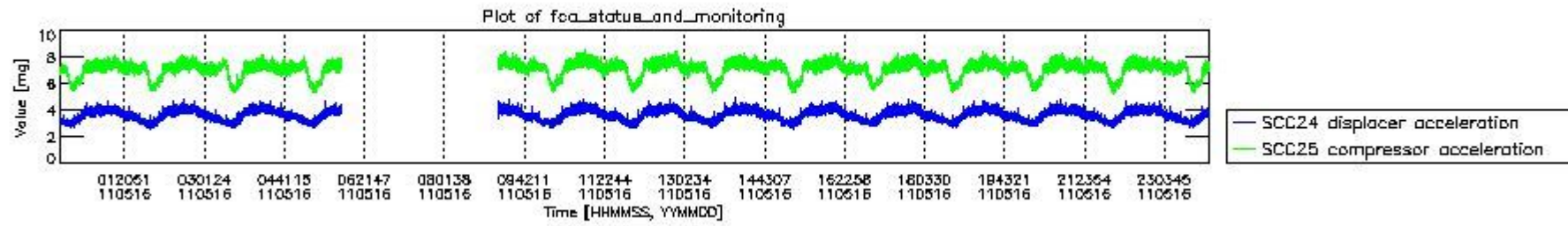
mipas_daily_report_level0_KSPT_L0_4504_N_20110516_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110516_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110516_9.PNG

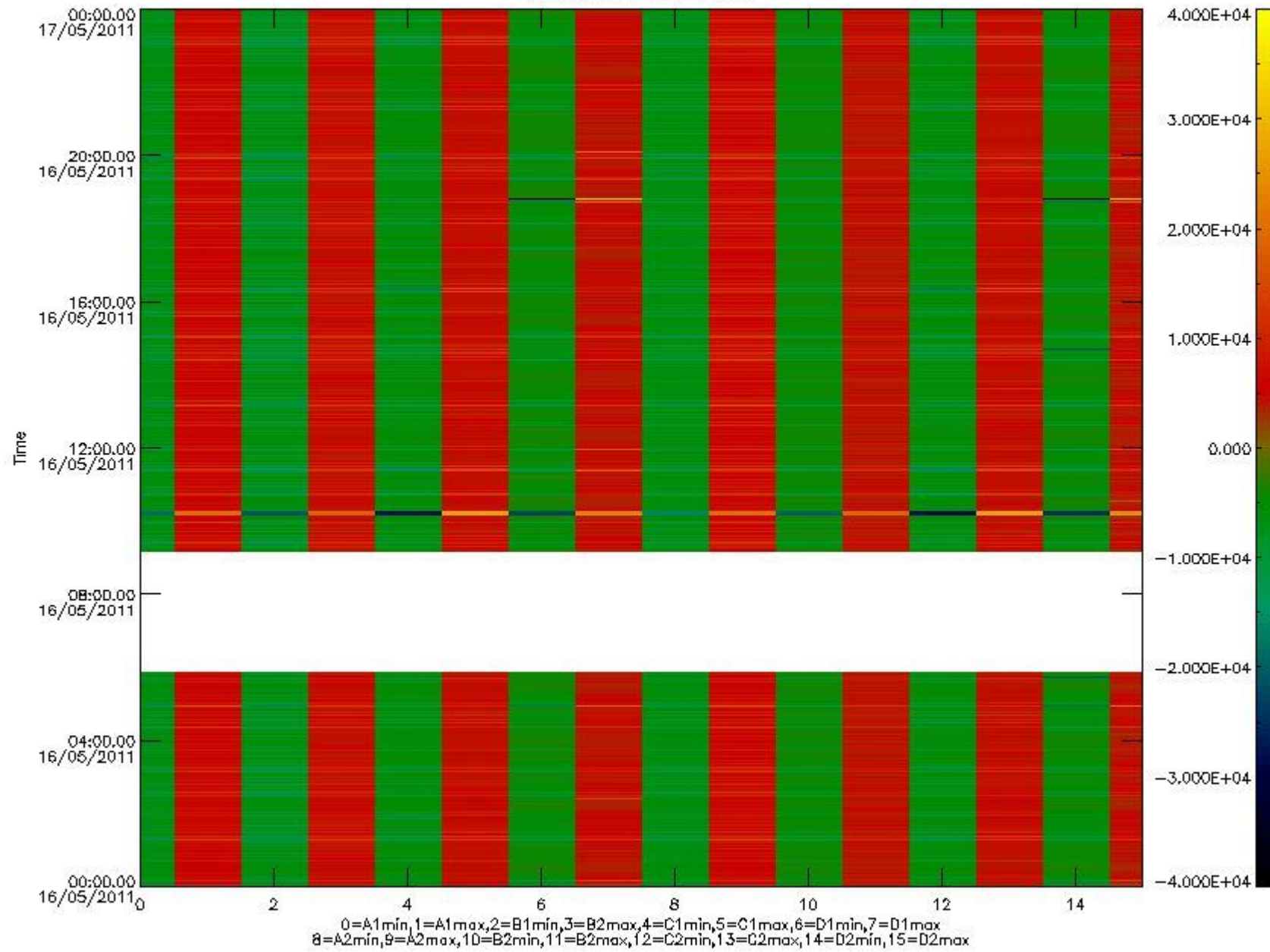


mipas_daily_report_level0_KSPT_L0_4504_N_20110516_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-27782	32767	16bit
D1	-32768	32767	16bit
A2	-32768	28252	16bit
B2	-32768	32767	16bit
C2	-32768	28485	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_20110516_11.PNG

0.3 ADF monitoring

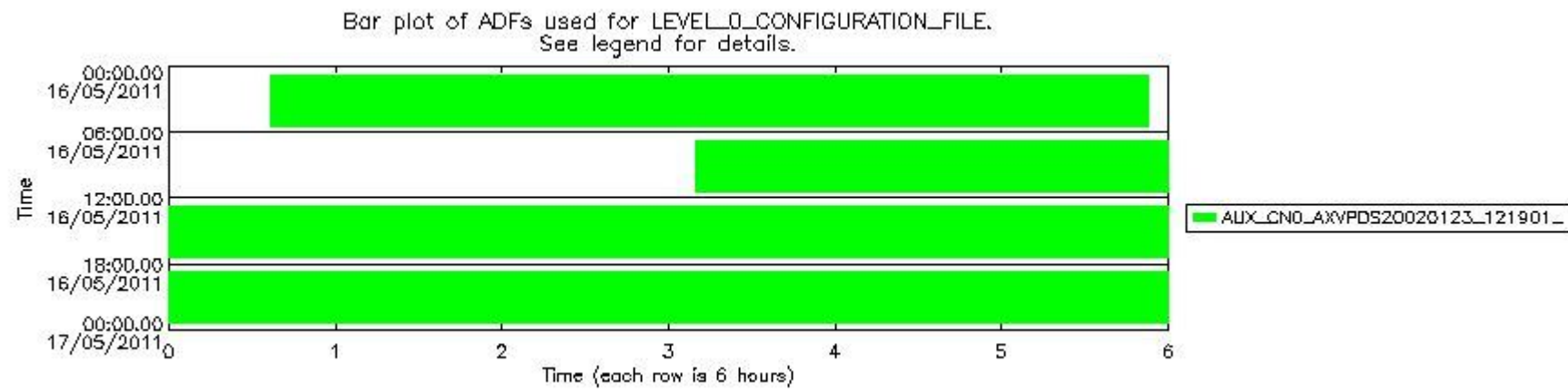
The use of ADFs is shown in two ways:

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.

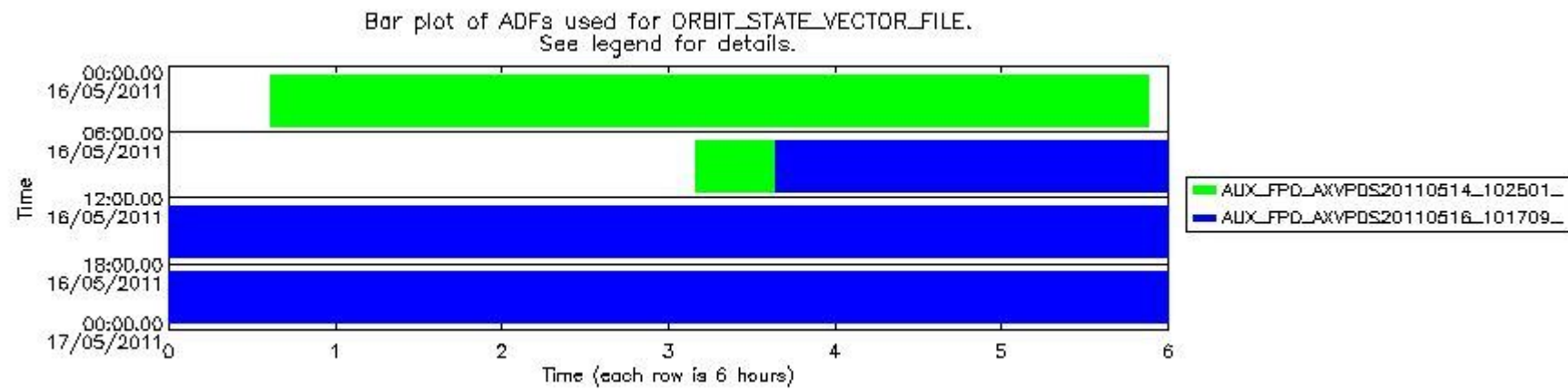
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110514_102501_20110513_192134_20110523_213522
2	AUX_FPO_AXVPDS20110516_101709_20110515_194819_20110525_202153

Number	Product name	#CN0	#FPO
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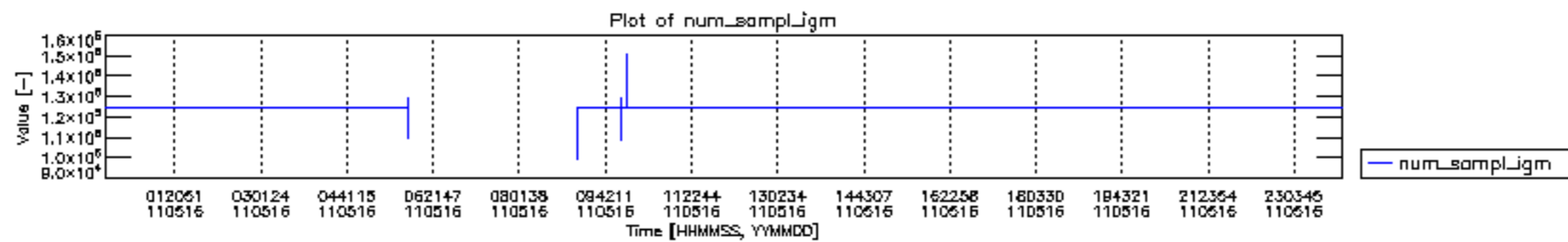
0	MIP_NL__0PNPDE20110516_003631_000058223102_00289_48148_8771.N1	0	1
1	MIP_NL__0PNPDE20110516_021230_000045983102_00290_48149_8772.N1	0	1
2	MIP_NL__0PNPDE20110516_032835_000061753102_00291_48150_8773.N1	0	1
3	MIP_NL__0PNPDE20110516_051054_000025213102_00292_48151_8774.N1	0	1
4	MIP_NL__0PNPDK20110516_090932_000017963102_00294_48153_5219.N1	0	1
5	MIP_NL__0PNPDK20110516_093849_000060003102_00295_48154_5220.N1	0	2
6	MIP_NL__0PNPDK20110516_111807_000060003102_00296_48155_5221.N1	0	2
7	MIP_NL__0PNPDK20110516_125734_000058813102_00297_48156_5222.N1	0	2
8	MIP_NL__0PNPDK20110516_143450_000058993102_00298_48157_5223.N1	0	2
9	MIP_NL__0PNPDK20110516_161228_000058313102_00299_48158_5224.N1	0	2
10	MIP_NL__0PNPDK20110516_174844_000060713102_00300_48159_5225.N1	0	2
11	MIP_NL__0PNPDK20110516_192821_000001043102_00301_48160_5226.N1	0	2
12	MIP_NL__0PNPDK20110516_193006_000059333102_00301_48160_5227.N1	0	2
13	MIP_NL__0PNPDE20110516_210727_000043563102_00302_48161_8775.N1	0	2
14	MIP_NL__0PNPDE20110516_221906_000061613102_00302_48161_8776.N1	0	2

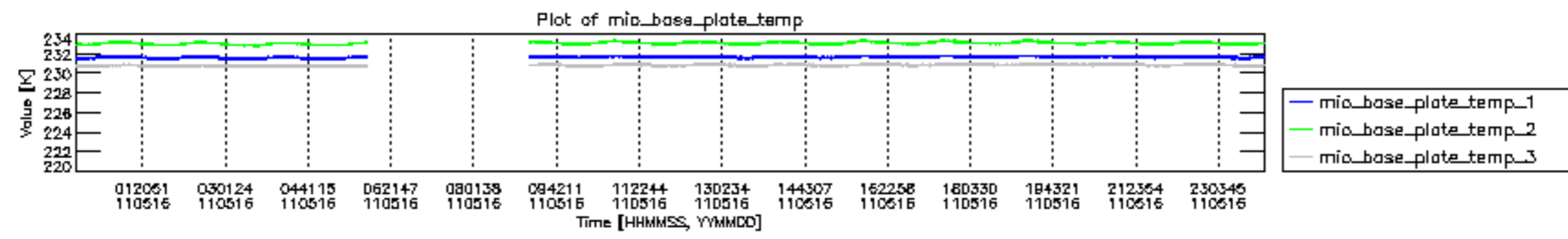


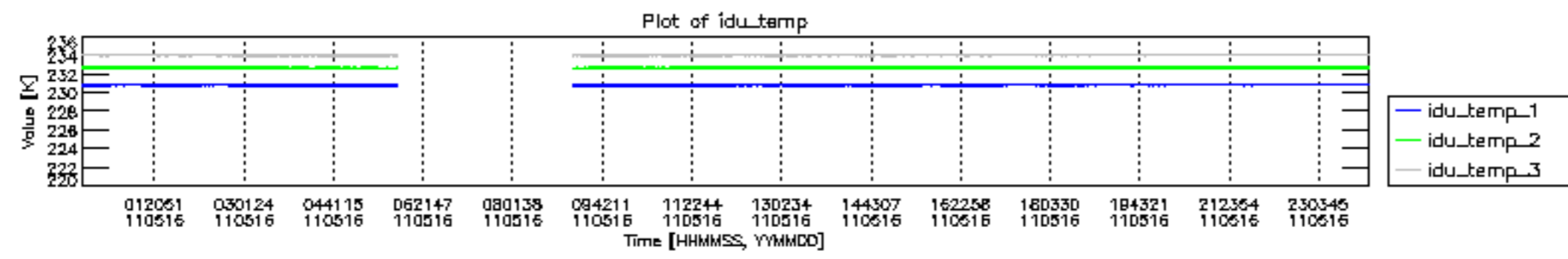
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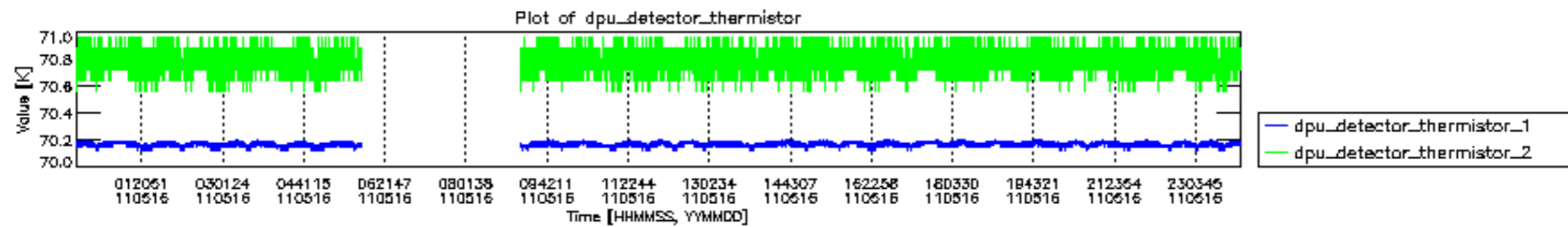


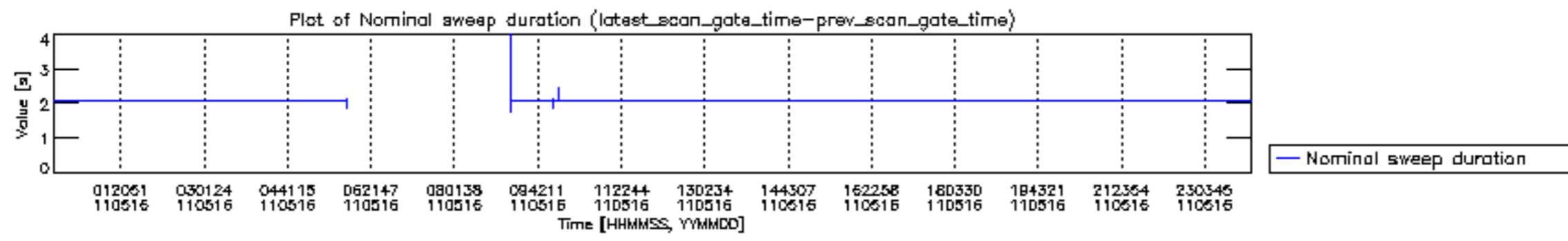
mipas_daily_report_level0_KSPT_L0_4504_N_20110516_13.PNG

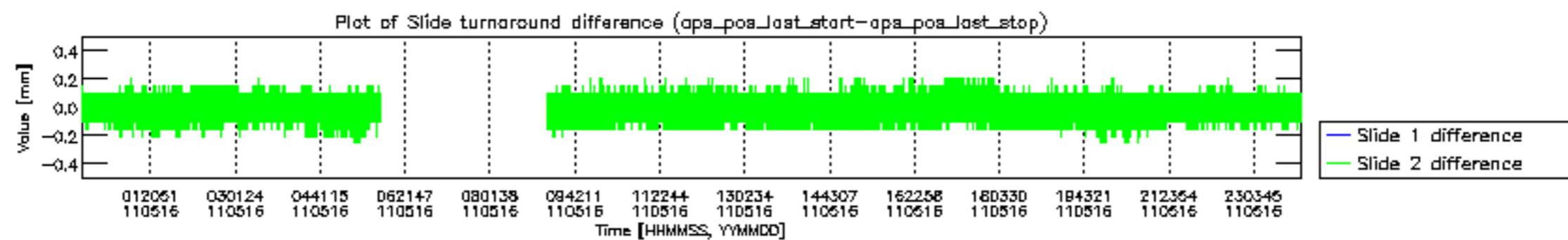


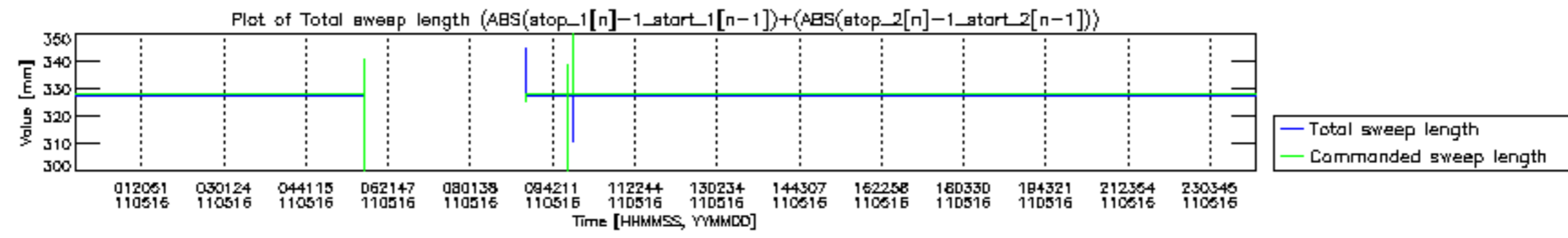


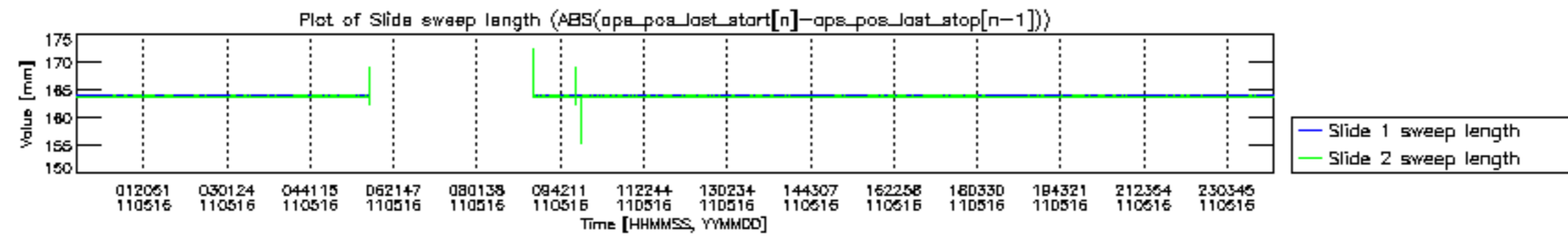


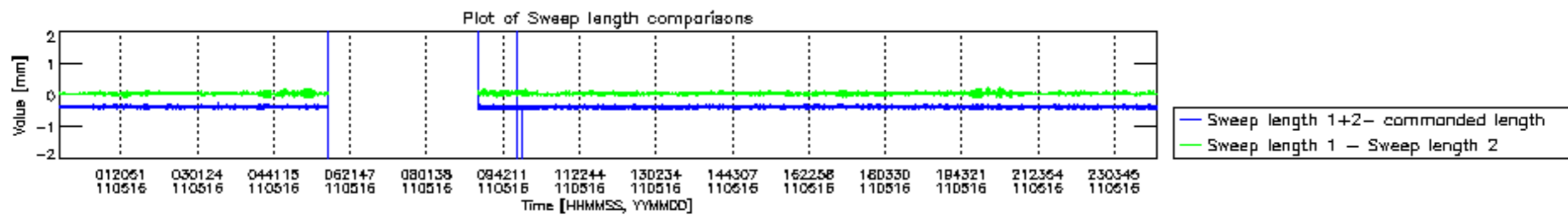


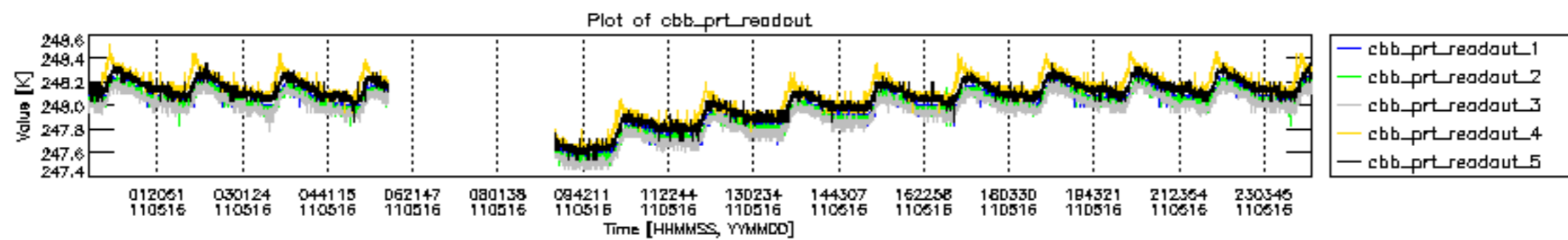


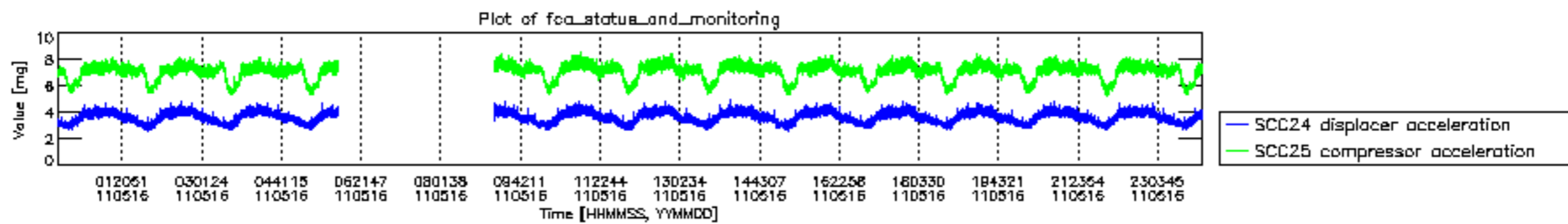












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

