

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	10FEB2011 05:24:18
Data source version	KSPT_L0/4504-N
Processing scope for products	05FEB2011 00:00:00 to 06FEB2011 00:00:00
Start time of first product within scope	05FEB2011 00:01:35
Stop time of last product within scope	06FEB2011 01:07:55
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__OPNPDE20110205_000135_000060103099_00145_46711_2856.N1	05FEB2011 00:01:35	05FEB2011 01:41:45	0	0	0	0	0
1	MIP_NL__OPNPDE20110205_014039_000043933099_00146_46712_2857.N1	05FEB2011 01:40:39	05FEB2011 02:53:52	0	0	0	0	0
2	MIP_NL__OPNPDE20110205_025318_000061353099_00147_46713_2858.N1	05FEB2011 02:53:18	05FEB2011 04:35:34	0	0	0	0	0
3	MIP_NL__OPNPDE20110205_043500_000060583099_00148_46714_2859.N1	05FEB2011 04:35:00	05FEB2011 06:15:59	0	0	0	0	0
4	MIP_NL__OPNPDK20110205_061515_000024883099_00149_46715_4211.N1	05FEB2011 06:15:15	05FEB2011 06:56:42	0	0	0	0	0
5	MIP_NL__OPNPDK20110205_101437_000016373099_00151_46717_4212.N1	05FEB2011 10:14:37	05FEB2011 10:41:54	0	0	0	0	0
6	MIP_NL__OPNPDK20110205_104035_000061803099_00152_46718_4213.N1	05FEB2011 10:40:35	05FEB2011 12:23:35	0	0	0	0	0
7	MIP_NL__OPNPDK20110205_122159_000060043099_00153_46719_4214.N1	05FEB2011 12:21:59	05FEB2011 14:02:03	0	0	0	0	0
8	MIP_NL__OPNPDK20110205_140024_000058513099_00154_46720_4217.N1	05FEB2011 14:00:24	05FEB2011 15:37:56	0	0	0	0	0
9	MIP_NL__OPNPDK20110205_153647_000059293099_00155_46721_4218.N1	05FEB2011 15:36:47	05FEB2011 17:15:35	0	0	0	0	0
10	MIP_NL__OPNPDK20110205_171452_000059483099_00156_46722_4219.N1	05FEB2011 17:14:52	05FEB2011 18:53:59	0	0	0	0	0
11	MIP_NL__OPNPDK20110205_185259_000060793099_00157_46723_4220.N1	05FEB2011 18:52:59	05FEB2011 20:34:18	0	0	0	0	0
12	MIP_NL__OPNPDE20110205_203233_000042783099_00158_46724_2860.N1	05FEB2011 20:32:33	05FEB2011 21:43:52	0	0	0	0	0
13	MIP_NL__OPNPDE20110205_214218_000062673099_00158_46724_2861.N1	05FEB2011 21:42:18	05FEB2011 23:26:45	0	0	0	0	0
14	MIP_NL__OPNPDE20110205_232542_000061333099_00159_46725_2862.N1	05FEB2011 23:25:42	06FEB2011 01:07:55	0	0	0	0	0

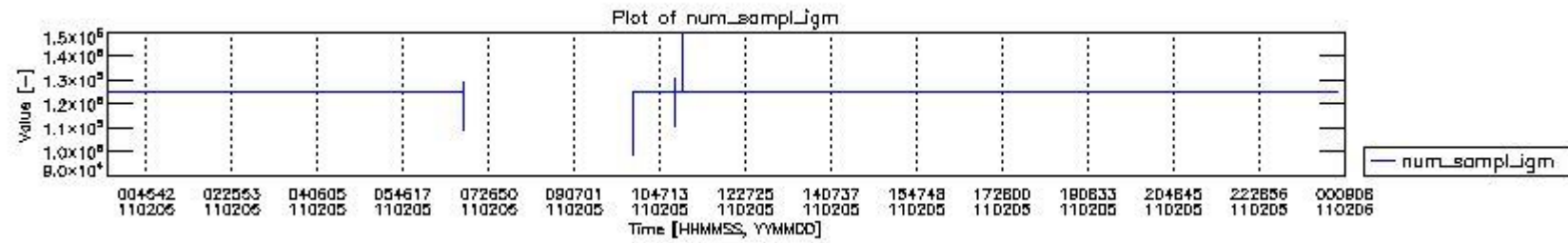
0.2 Instrument Operational Performance Parameters

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.

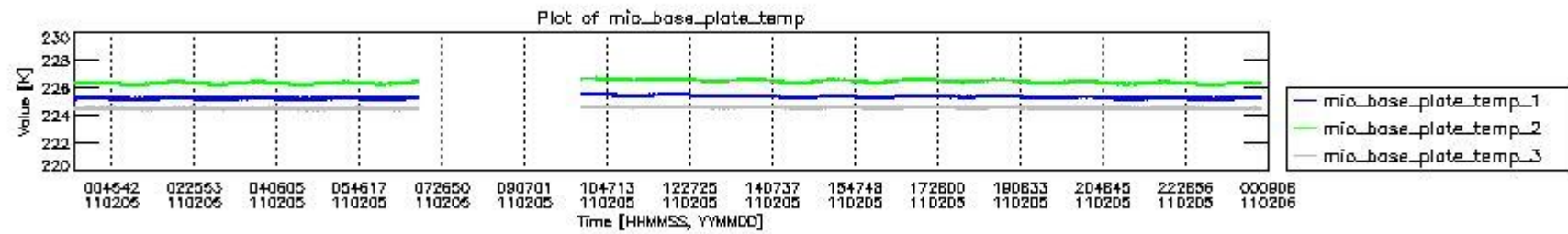
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98773	1	0.0027842744
109317	1	0.0027842744
111027	1	0.0027842744

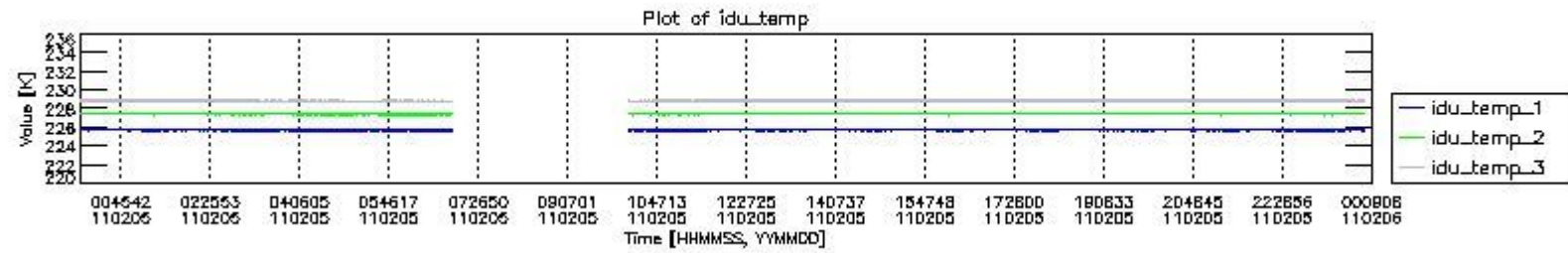
113966	1	0.0027842744
117386	1	0.0027842744
123250	1	0.0027842744
124025	1	0.0027842744
124800	33358	92.877826
124803	2546	7.0887627
127233	1	0.0027842744
129449	1	0.0027842744
131159	1	0.0027842744
147365	1	0.0027842744
149798	1	0.0027842744



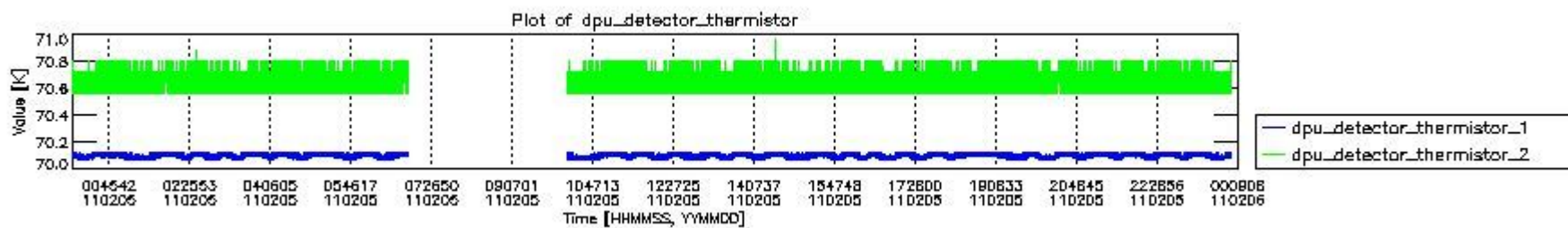
mipas_daily_report_level0_KSPT_L0_4504_N_20110205_0.PNG



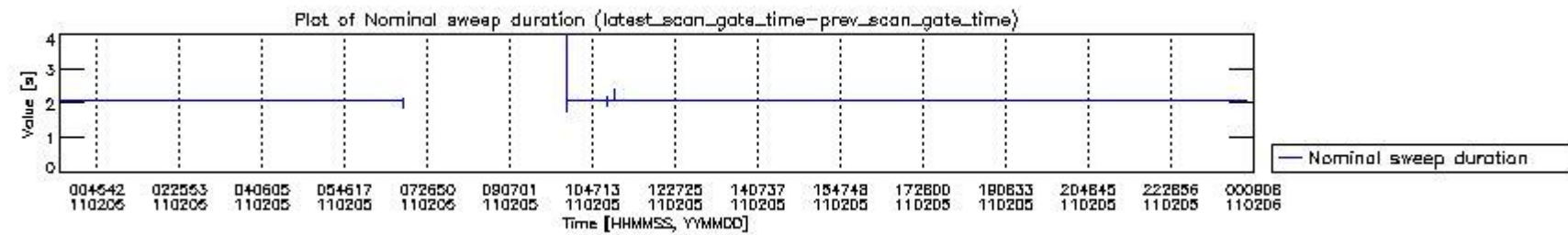
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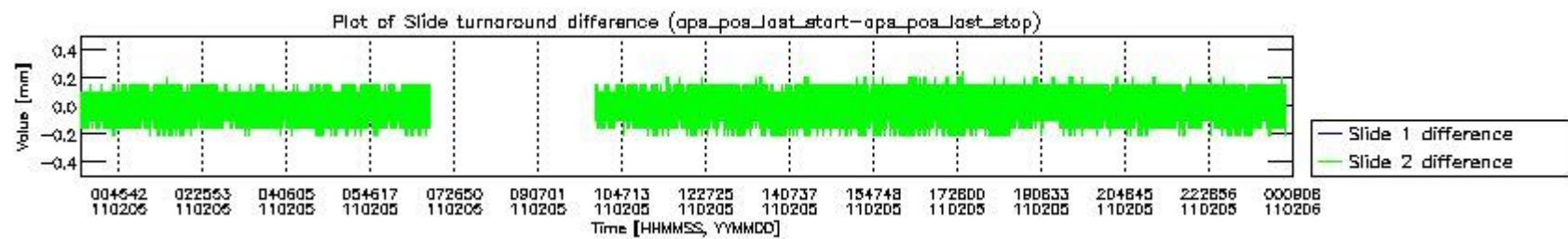
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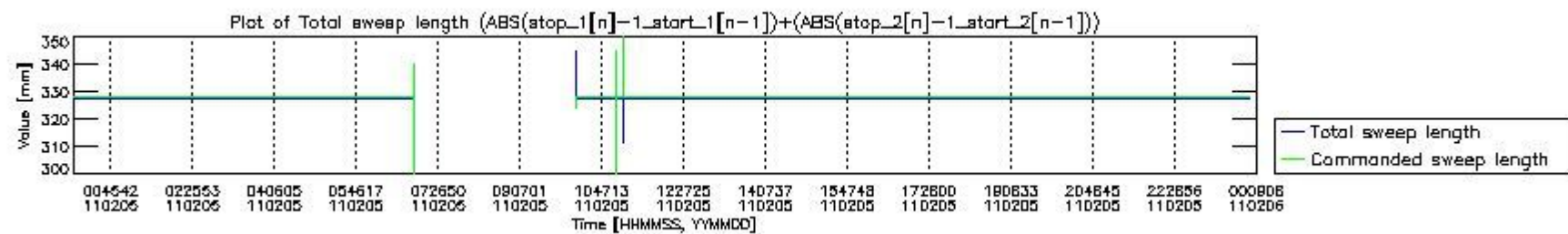
mipas_daily_report_level0_KSPT_L0_4504_N_20110205_3.PNG



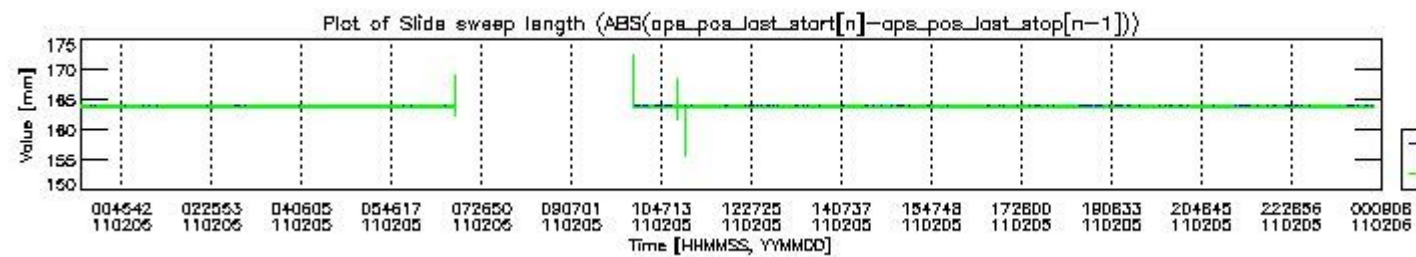
mipas_daily_report_level0_KSPT_L0_4504_N_20110205_4.PNG



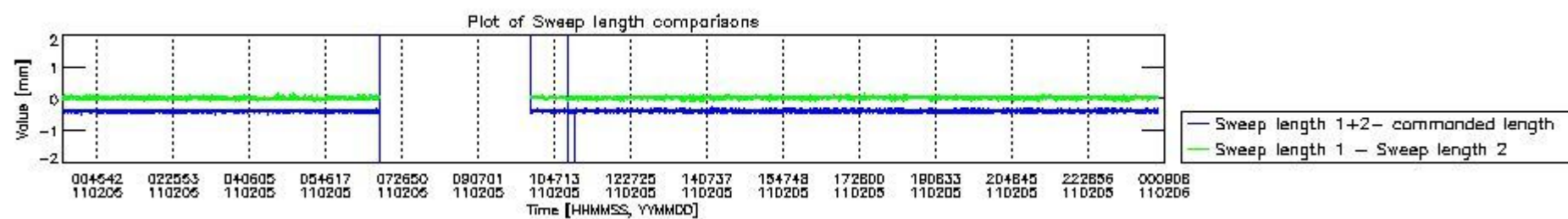
mipas_daily_report_level0_KSPT_L0_4504_N_20110205_5.PNG



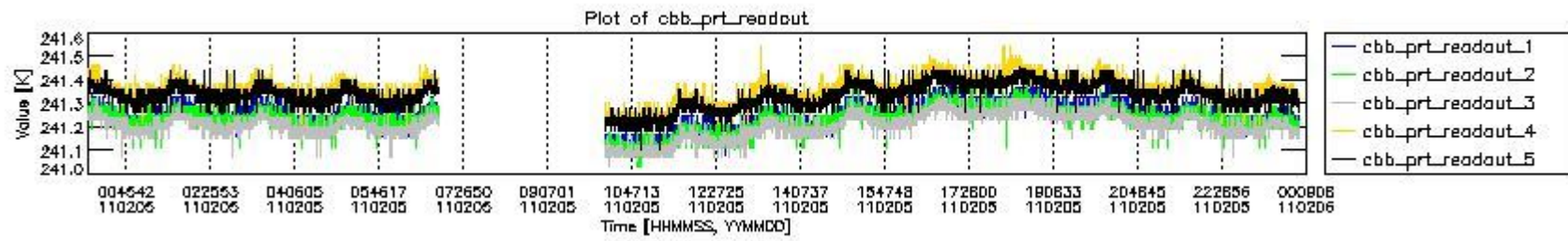
mipas_daily_report_level0_KSPT_L0_4504_N_20110205_6.PNG



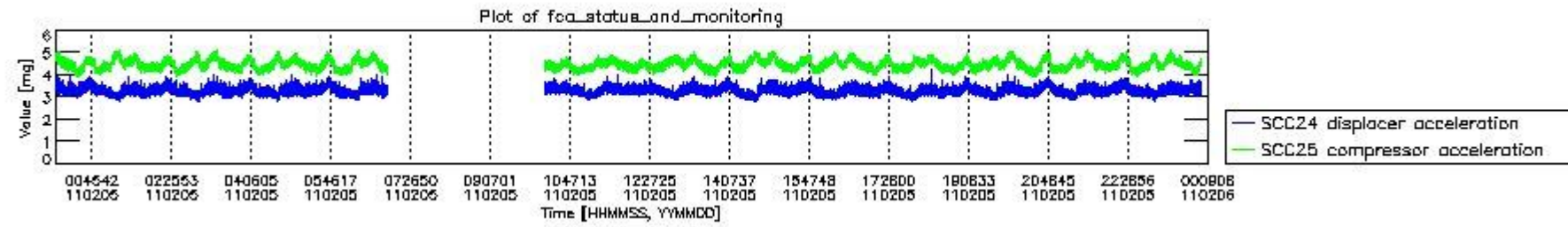
mipas_daily_report_level0_KSPT_L0_4504_N_20110205_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110205_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110205_9.PNG

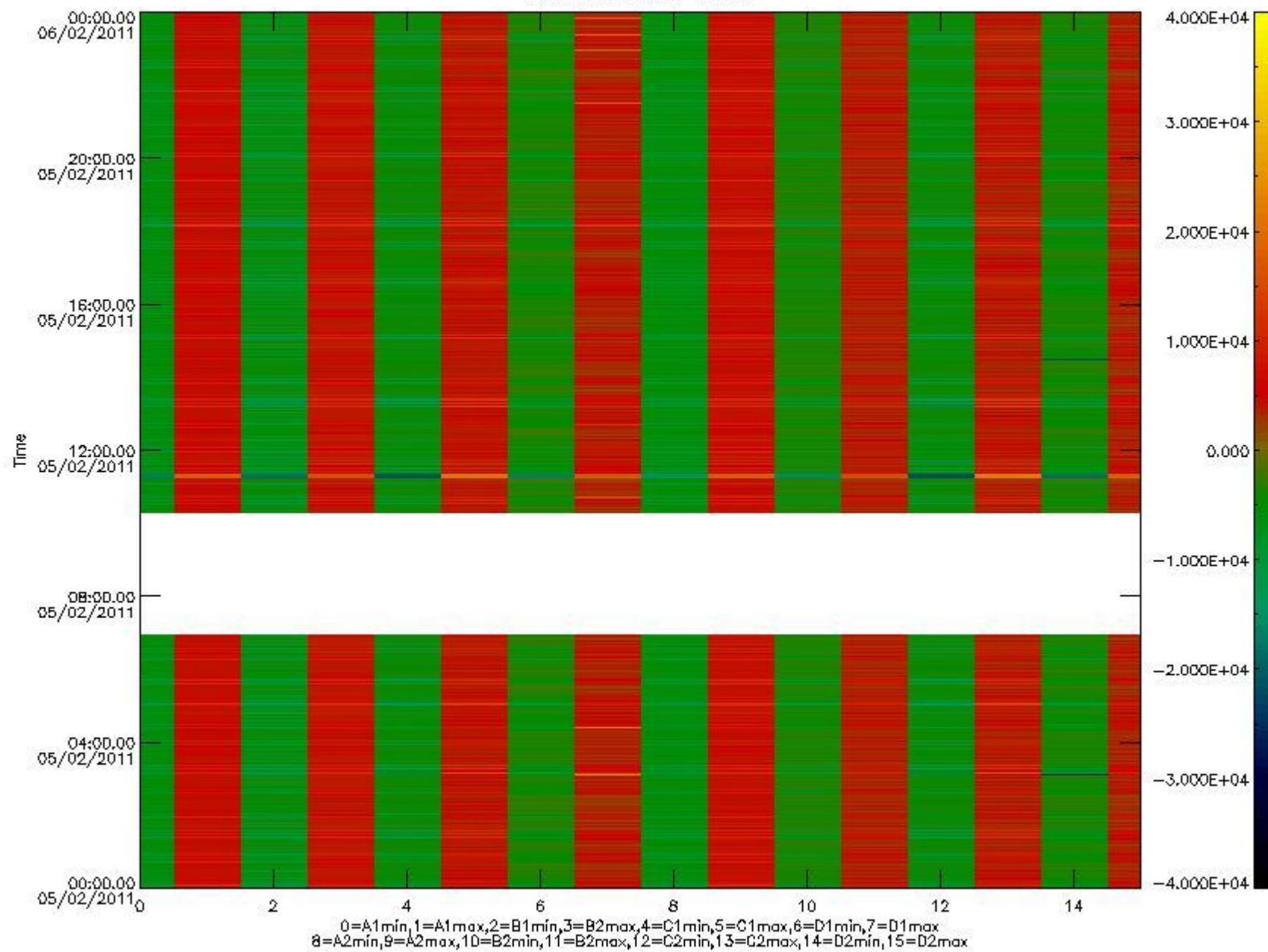


mipas_daily_report_level0_KSPT_L0_4504_N_20110205_10.PNG

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	-23651	21437	16bit
D1	-32768	32767	16bit
A2	-32768	28237	16bit
B2	-32768	32767	16bit
C2	-22512	22250	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_20110205_11.PNG

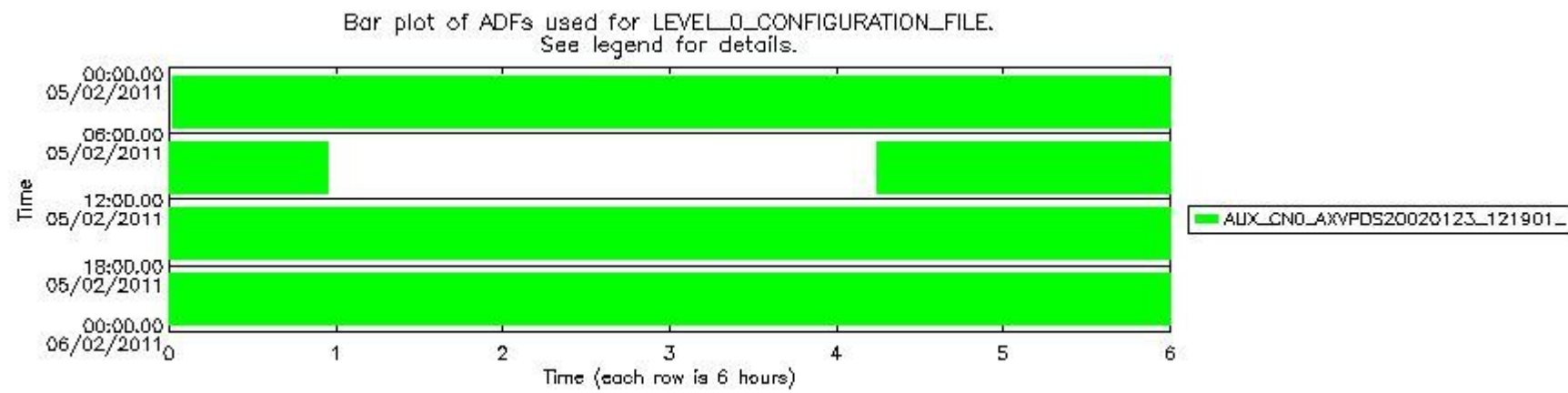
0.3 ADF monitoring

The use of ADFs is shown in two ways:

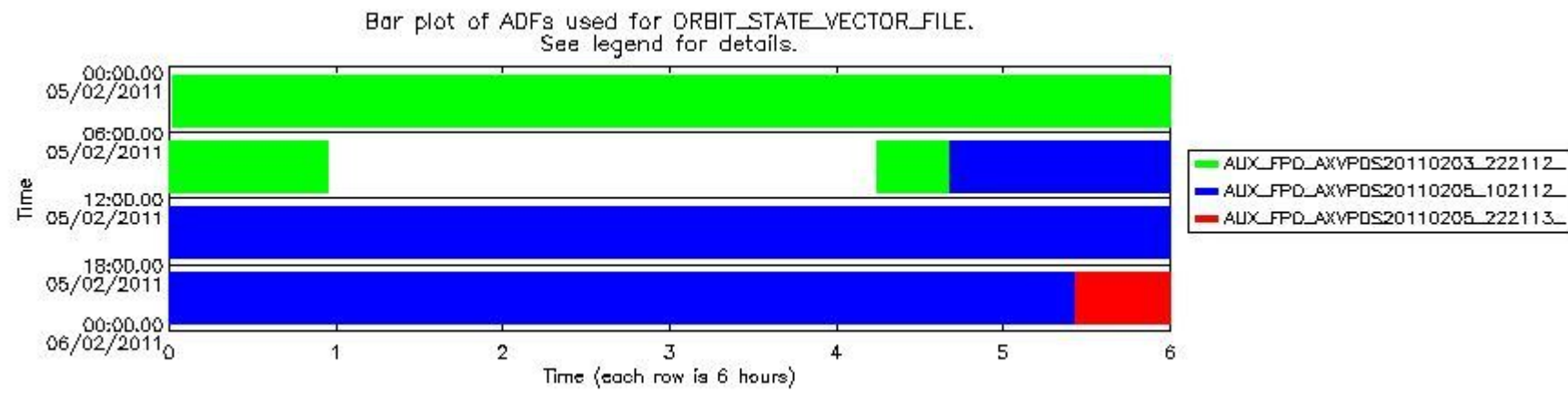
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110203_222112_20110203_194950_20110213_202327
2	AUX_FPO_AXVPDS20110205_102112_20110204_191306_20110214_212657
3	AUX_FPO_AXVPDS20110205_222113_20110205_183622_20110215_205013

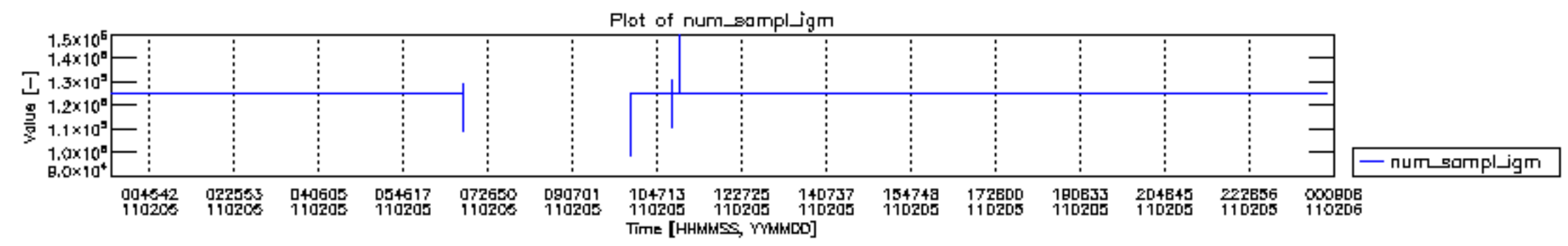
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110205_000135_000060103099_00145_46711_2856.N1	0	1
1	MIP_NL__0PNPDE20110205_014039_000043933099_00146_46712_2857.N1	0	1
2	MIP_NL__0PNPDE20110205_025318_000061353099_00147_46713_2858.N1	0	1
3	MIP_NL__0PNPDE20110205_043500_000060583099_00148_46714_2859.N1	0	1
4	MIP_NL__0PNPDK20110205_061515_000024883099_00149_46715_4211.N1	0	1
5	MIP_NL__0PNPDK20110205_101437_000016373099_00151_46717_4212.N1	0	1
6	MIP_NL__0PNPDK20110205_104035_000061803099_00152_46718_4213.N1	0	2
7	MIP_NL__0PNPDK20110205_122159_000060043099_00153_46719_4214.N1	0	2
8	MIP_NL__0PNPDK20110205_140024_000058513099_00154_46720_4217.N1	0	2
9	MIP_NL__0PNPDK20110205_153647_000059293099_00155_46721_4218.N1	0	2
10	MIP_NL__0PNPDK20110205_171452_000059483099_00156_46722_4219.N1	0	2
11	MIP_NL__0PNPDK20110205_185259_000060793099_00157_46723_4220.N1	0	2
12	MIP_NL__0PNPDE20110205_203233_000042783099_00158_46724_2860.N1	0	2
13	MIP_NL__0PNPDE20110205_214218_000062673099_00158_46724_2861.N1	0	2
14	MIP_NL__0PNPDE20110205_232542_000061333099_00159_46725_2862.N1	0	3

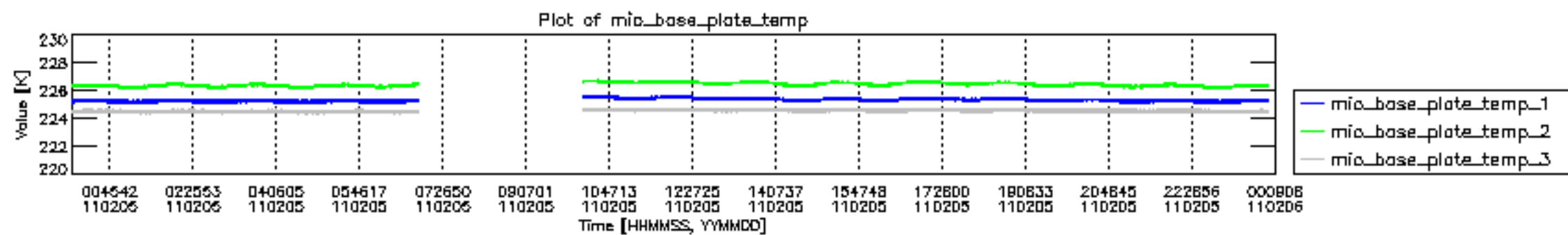


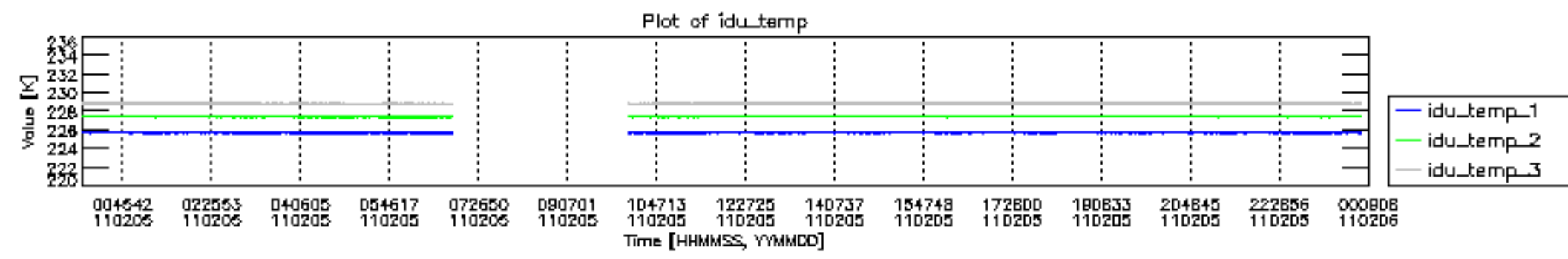
mipas_daily_report_level0_KSPT_L0_4504_N_20110205_12.PNG

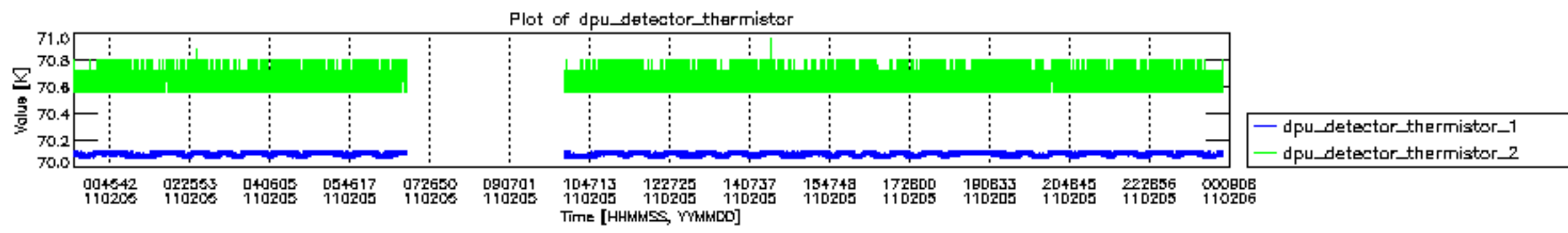


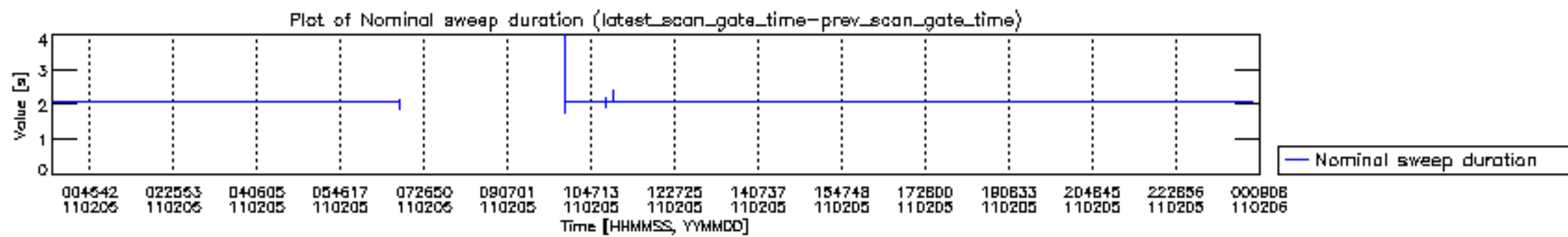
mipas_daily_report_level0_KSPT_L0_4504_N_20110205_13.PNG

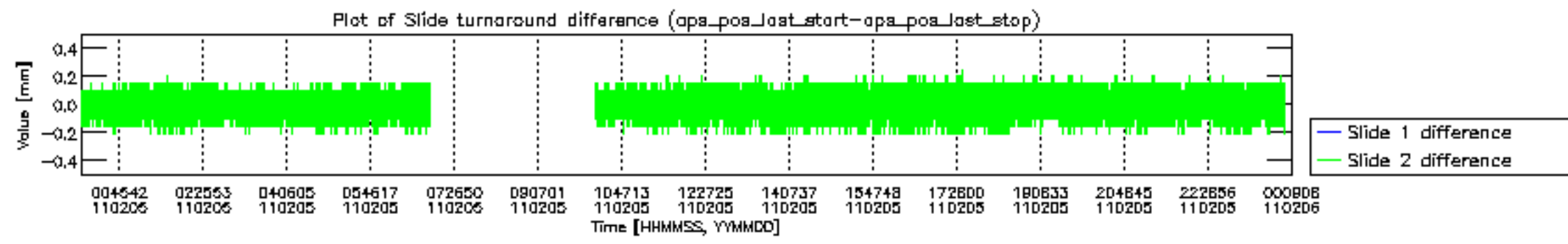


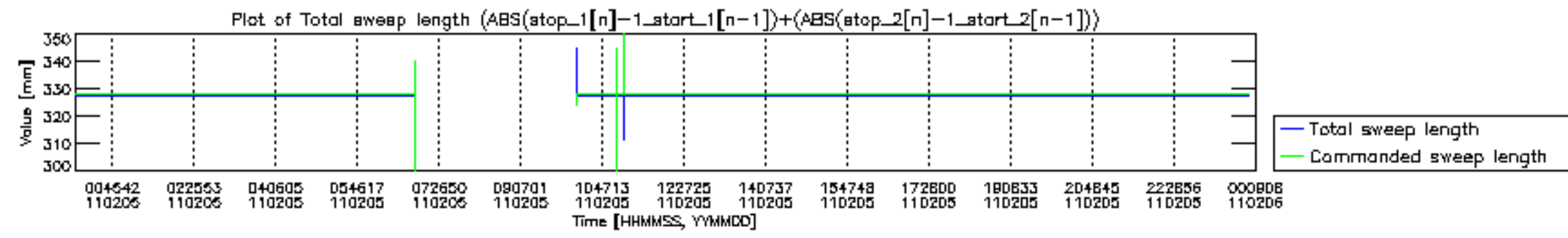


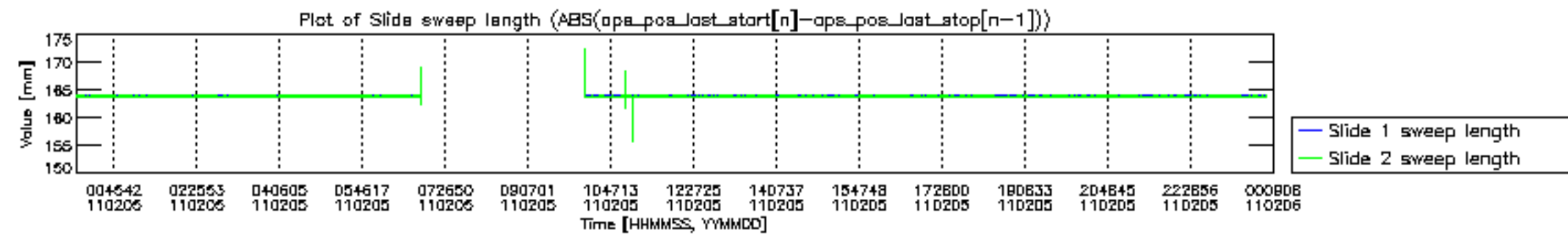


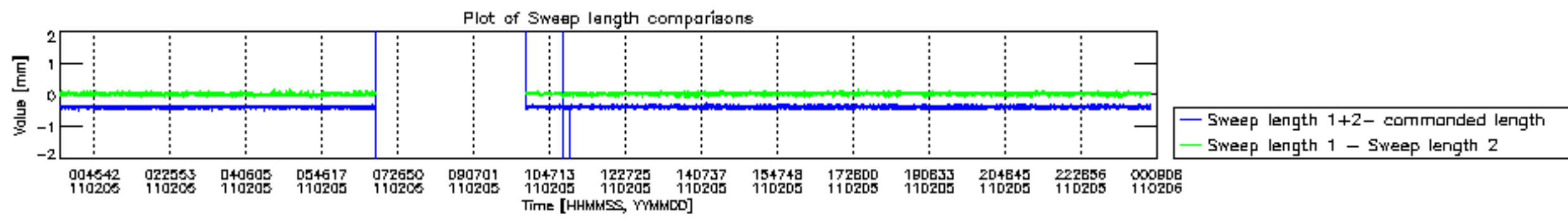


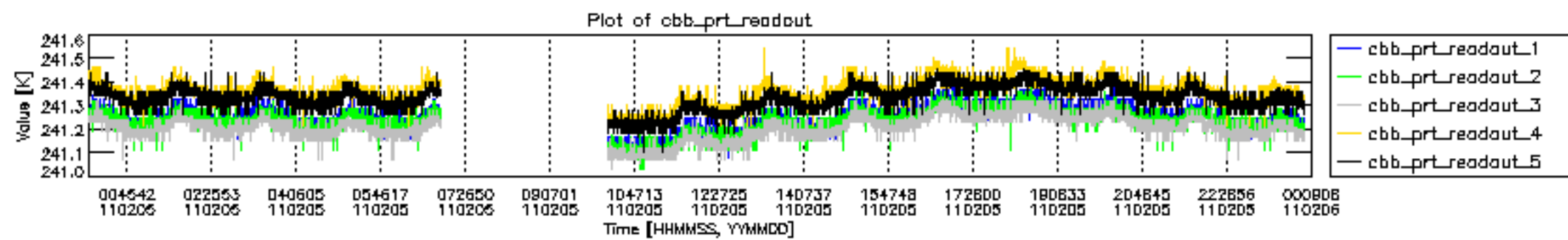


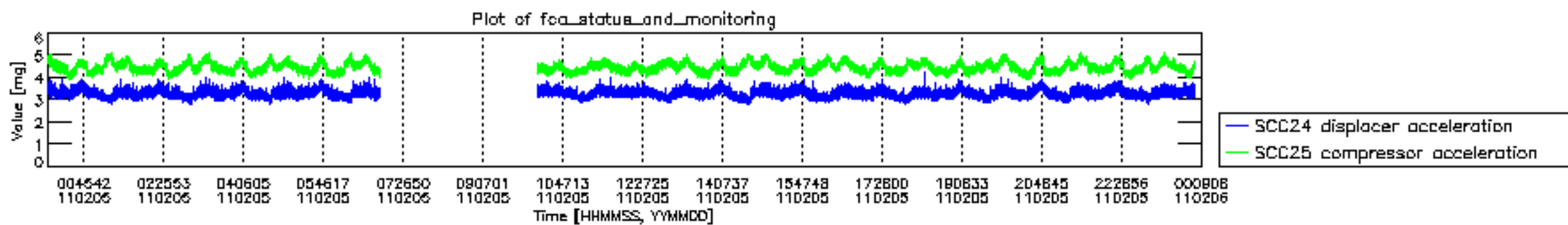












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

