

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	29APR2011 05:23:04
Data source version	KSPT_L0/4504-N
Processing scope for products	24APR2011 00:00:00 to 25APR2011 00:00:00
Start time of first product within scope	24APR2011 00:43:59
Stop time of last product within scope	25APR2011 00:07:39
Total number of level 0 products	16
Number of level 0 products with errors	1

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__0PNPDE20110424_004359_000058063101_00404_47832_3496.N1	24APR2011 00:43:59	24APR2011 02:20:45	0	0	0	0	0
1	MIP_NL__0PNPDE20110424_021951_000045553101_00405_47833_3497.N1	24APR2011 02:19:51	24APR2011 03:35:45	0	0	0	0	0
2	MIP_NL__0PNPDE20110424_033512_000061583101_00406_47834_3498.N1	24APR2011 03:35:12	24APR2011 05:17:50	0	0	0	0	0
3	MIP_NL__0PNPDE20110424_051717_000059823101_00407_47835_3499.N1	24APR2011 05:17:17	24APR2011 06:56:58	0	0	0	0	0
4	MIP_NL__0PNPDE20110424_060347_000031923101_00408_47836_3500.N1	24APR2011 06:03:47	24APR2011 06:56:58	0	0	0	0	0
5	MIP_NL__0PNPDK20110424_065625_000041263101_00408_47836_4937.N1	24APR2011 06:56:25	24APR2011 08:05:11	0	0	0	0	0
6	MIP_NL__0PNPDK20110424_080439_000060853101_00409_47837_4938.N1	24APR2011 08:04:39	24APR2011 09:46:05	0	0	0	0	0
7	MIP_NL__0PNPDK20110424_094525_000059423101_00410_47838_4939.N1	24APR2011 09:45:25	24APR2011 11:24:27	1	1	0	0	0
8	MIP_NL__0PNPDK20110424_112344_000060193101_00411_47839_4940.N1	24APR2011 11:23:44	24APR2011 13:04:02	0	0	0	0	0
9	MIP_NL__0PNPDK20110424_130331_000059203101_00412_47840_4941.N1	24APR2011 13:03:31	24APR2011 14:42:11	0	0	0	0	0
10	MIP_NL__0PNPDK20110424_144136_000058973101_00413_47841_4942.N1	24APR2011 14:41:36	24APR2011 16:19:53	0	0	0	0	0
11	MIP_NL__0PNPDK20110424_161854_000057803101_00414_47842_4943.N1	24APR2011 16:18:54	24APR2011 17:55:15	0	0	0	0	0
12	MIP_NL__0PNPDK20110424_175416_000060983101_00415_47843_4944.N1	24APR2011 17:54:16	24APR2011 19:35:54	0	0	0	0	0
13	MIP_NL__0PNPDK20110424_193420_000061463101_00416_47844_4945.N1	24APR2011 19:34:20	24APR2011 21:16:46	0	0	0	0	0
14	MIP_NL__0PNPDE20110424_211545_000042573101_00417_47845_3501.N1	24APR2011 21:15:45	24APR2011 22:26:43	0	0	0	0	0
15	MIP_NL__0PNPDE20110424_222540_000061193101_00417_47845_3502.N1	24APR2011 22:25:40	25APR2011 00:07:39	0	0	0	0	0

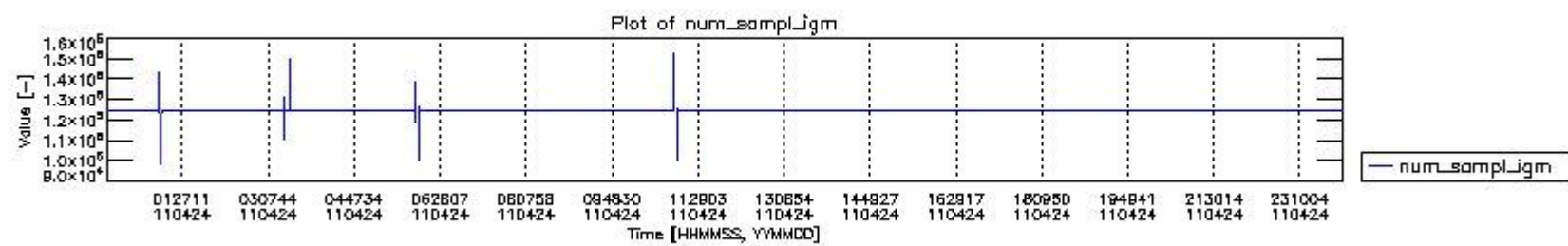
0.2 Instrument Operational Performance Parameters

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.

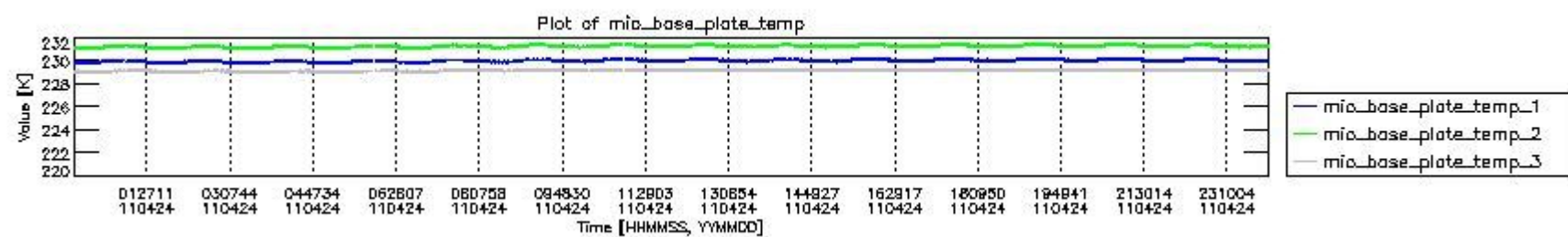
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98699	1	0.0024238311
100111	1	0.0024238311

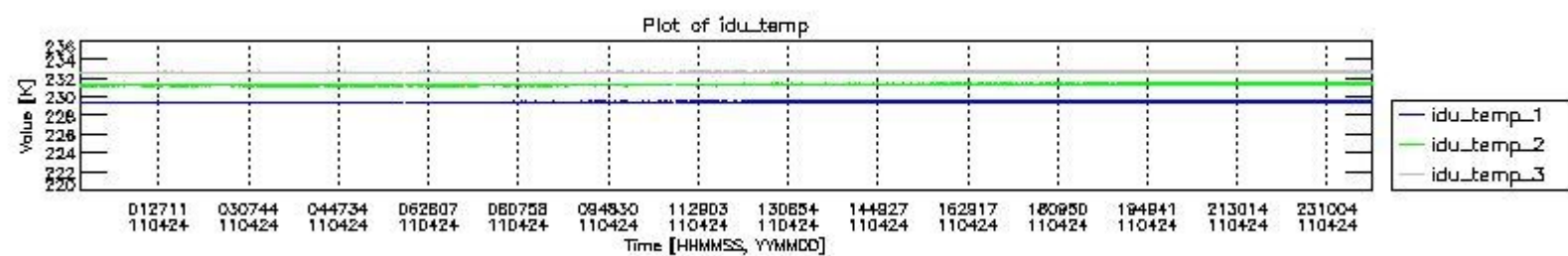
100409	1	0.0024238311
110581	1	0.0024238311
116494	1	0.0024238311
118758	1	0.0024238311
123102	1	0.0024238311
123442	1	0.0024238311
123951	1	0.0024238311
124800	38749	93.921032
124803	2484	6.0207965
125363	1	0.0024238311
125661	1	0.0024238311
125926	1	0.0024238311
126522	1	0.0024238311
127085	1	0.0024238311
128423	1	0.0024238311
130713	1	0.0024238311
132848	1	0.0024238311
138890	1	0.0024238311
142216	1	0.0024238311
143574	1	0.0024238311
147217	1	0.0024238311
148555	1	0.0024238311
149502	1	0.0024238311
152178	1	0.0024238311



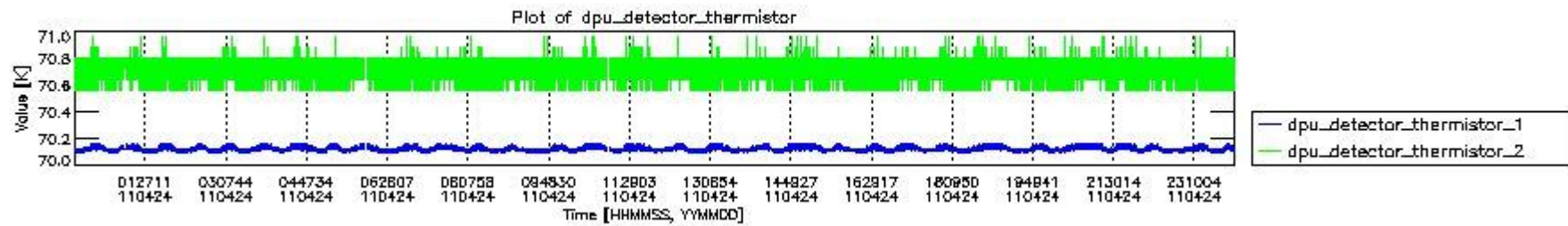
mipas_daily_report_level0_KSPT_L0_4504_N_20110424_0.PNG



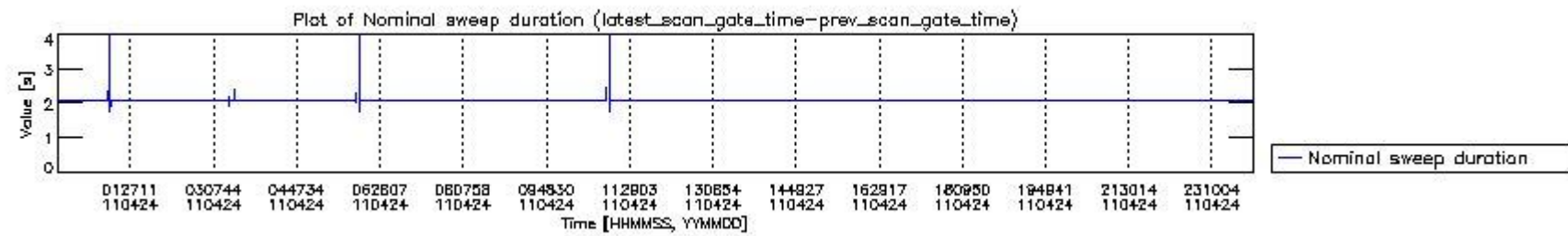
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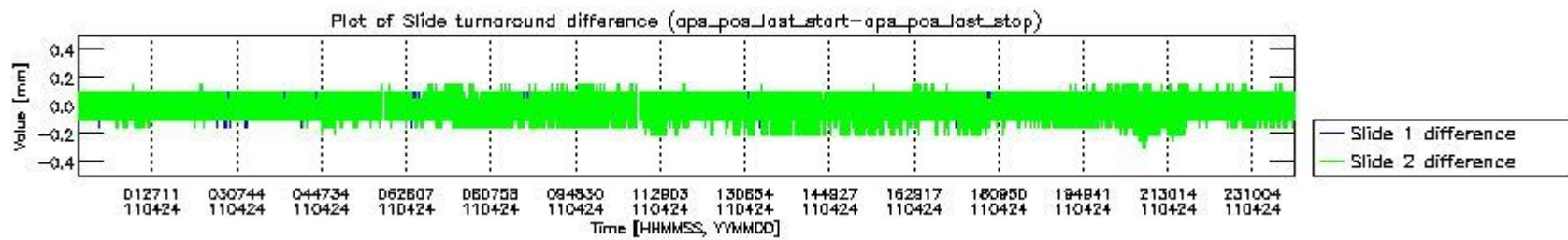
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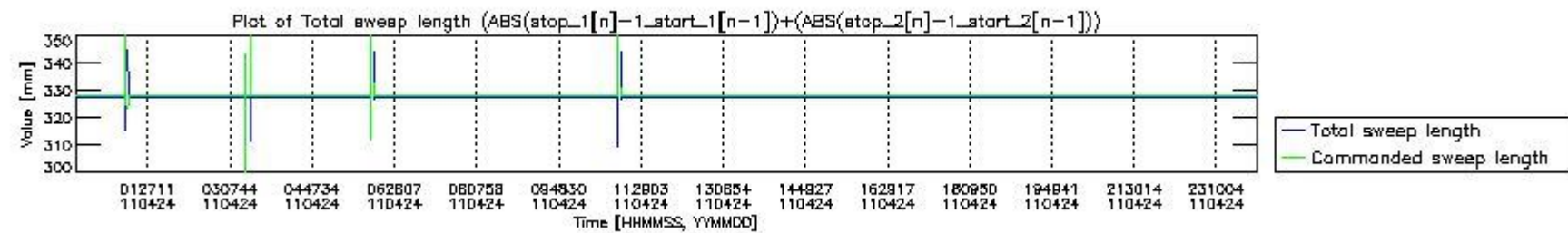
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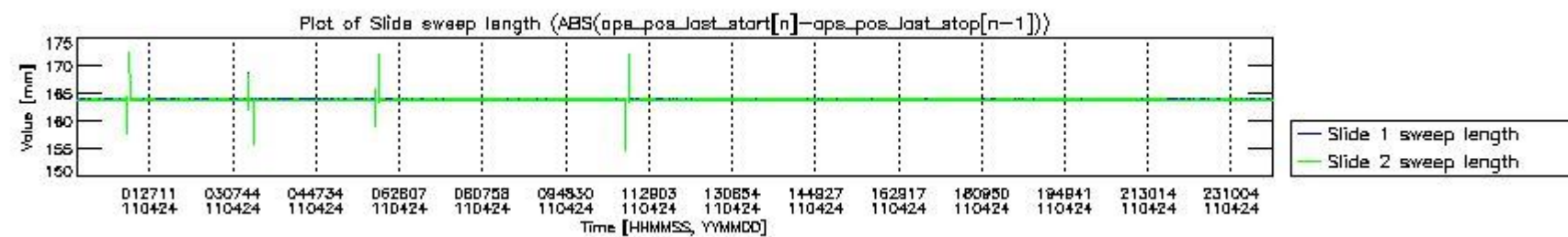
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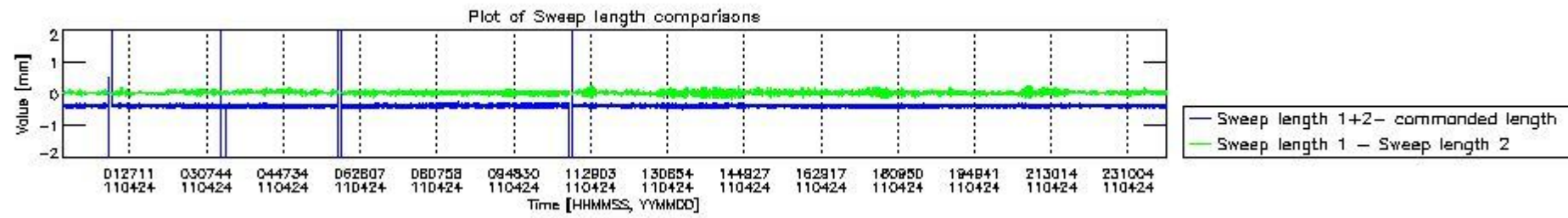
mipas_daily_report_level0_KSPT_L0_4504_N_20110424_5.PNG



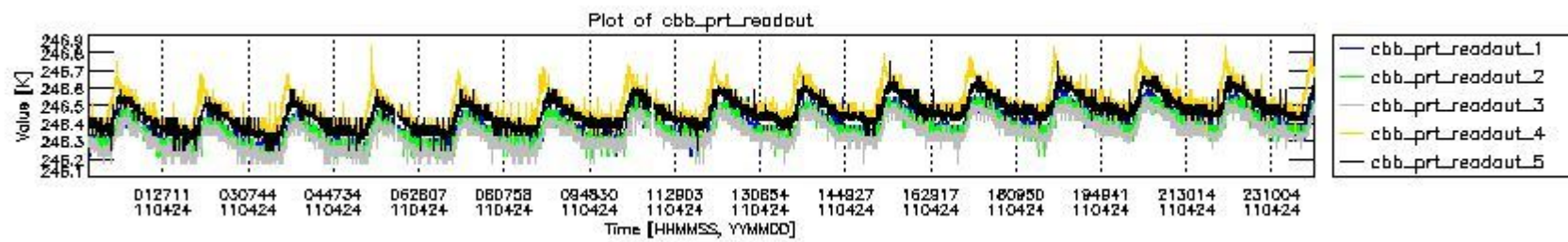
mipas_daily_report_level0_KSPT_L0_4504_N_20110424_6.PNG



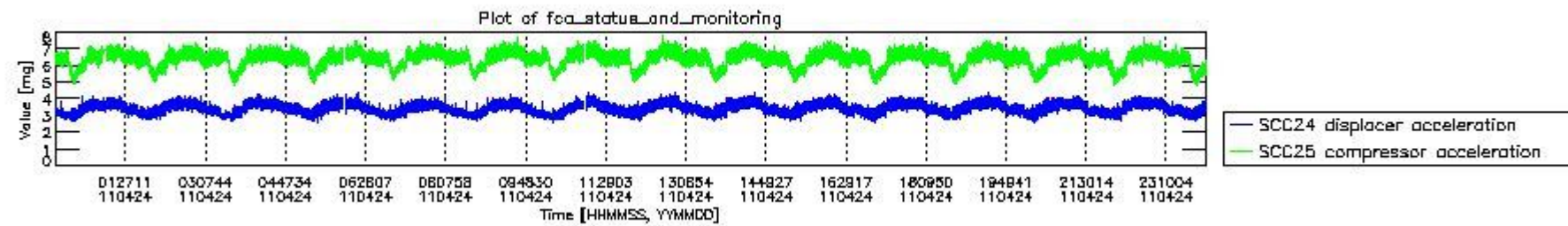
mipas_daily_report_level0_KSPT_L0_4504_N_20110424_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110424_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110424_9.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110424_10.PNG

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

Channel	Min	Max	ADC
A1	-18986	20414	16bit
B1	-21718	18399	16bit
C1	-26352	26257	16bit
D1	-32768	32767	16bit
A2	-16348	20545	16bit
B2	-20050	19327	16bit
C2	-27386	27017	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_20110424_11.PNG

0.3 ADF monitoring

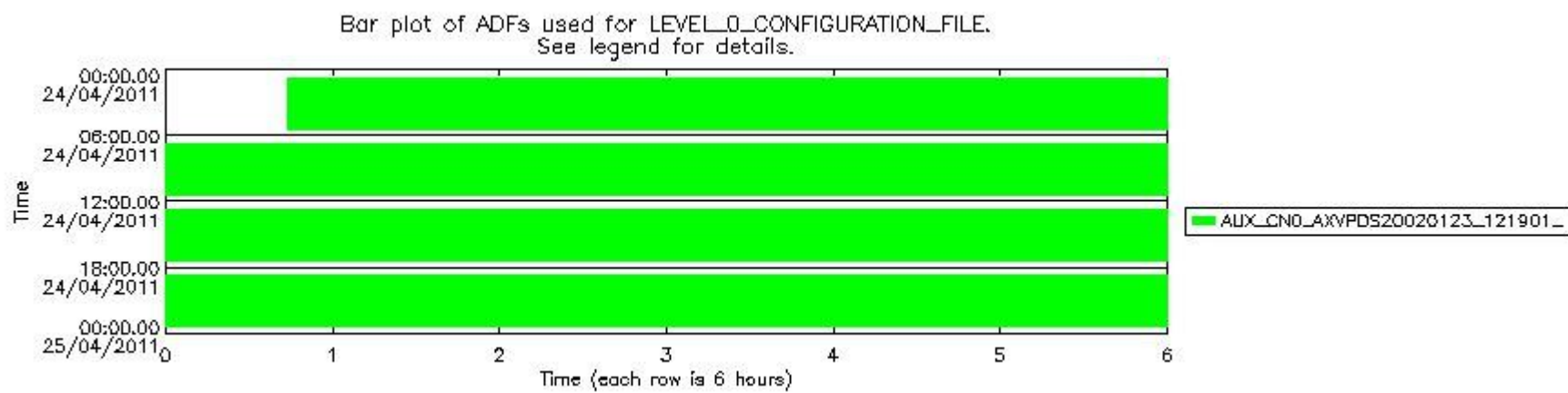
The use of ADFs is shown in two ways:

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.

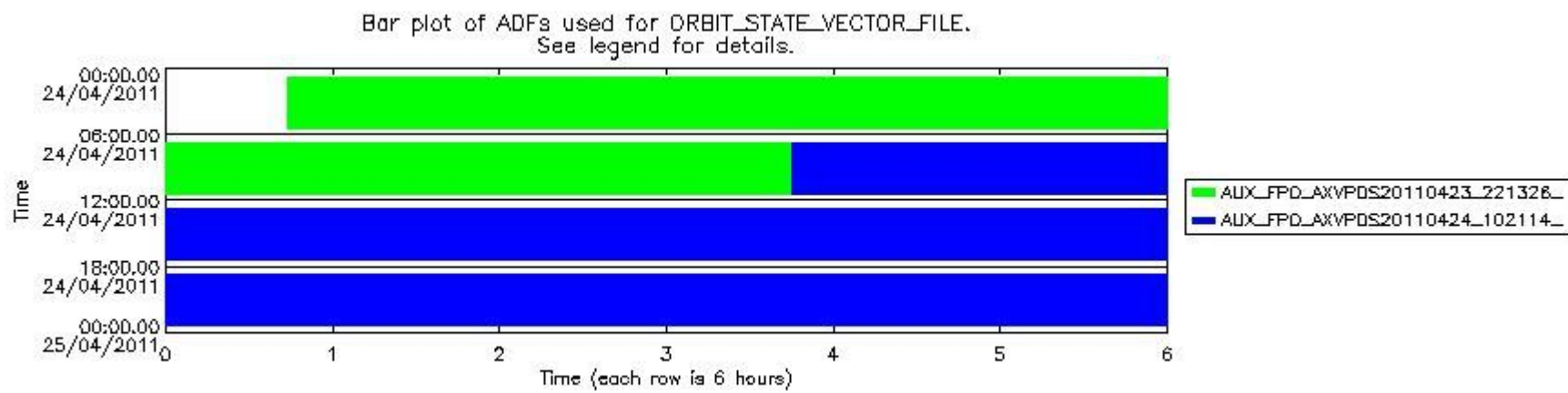
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110423_221326_20110422_185109_20110502_210457
2	AUX_FPO_AXVPDS20110424_102114_20110423_195438_20110503_202812

Number	Product name	#CN0	#FPO
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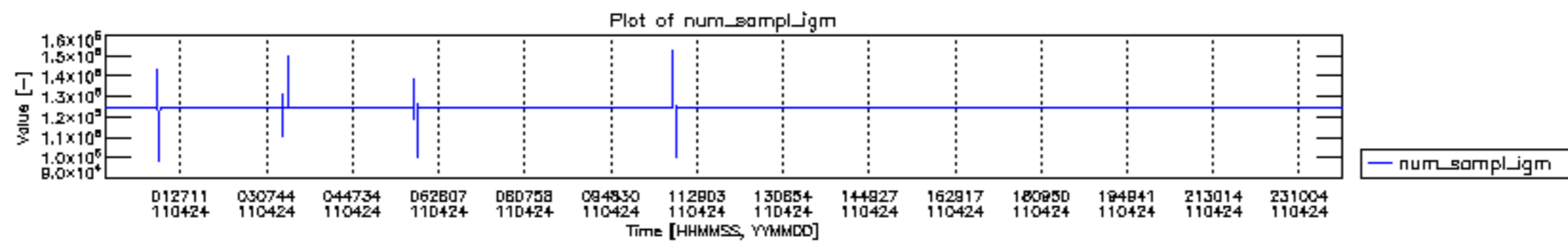
0	MIP_NL__0PNPDE20110424_004359_000058063101_00404_47832_3496.N1	0	1
1	MIP_NL__0PNPDE20110424_021951_000045553101_00405_47833_3497.N1	0	1
2	MIP_NL__0PNPDE20110424_033512_000061583101_00406_47834_3498.N1	0	1
3	MIP_NL__0PNPDE20110424_051717_000059823101_00407_47835_3499.N1	0	1
4	MIP_NL__0PNPDE20110424_060347_000031923101_00408_47836_3500.N1	0	2
5	MIP_NL__0PNPDK20110424_065625_000041263101_00408_47836_4937.N1	0	1
6	MIP_NL__0PNPDK20110424_080439_000060853101_00409_47837_4938.N1	0	1
7	MIP_NL__0PNPDK20110424_094525_000059423101_00410_47838_4939.N1	0	2
8	MIP_NL__0PNPDK20110424_112344_000060193101_00411_47839_4940.N1	0	2
9	MIP_NL__0PNPDK20110424_130331_000059203101_00412_47840_4941.N1	0	2
10	MIP_NL__0PNPDK20110424_144136_000058973101_00413_47841_4942.N1	0	2
11	MIP_NL__0PNPDK20110424_161854_000057803101_00414_47842_4943.N1	0	2
12	MIP_NL__0PNPDK20110424_175416_000060983101_00415_47843_4944.N1	0	2
13	MIP_NL__0PNPDK20110424_193420_000061463101_00416_47844_4945.N1	0	2
14	MIP_NL__0PNPDE20110424_211545_000042573101_00417_47845_3501.N1	0	2
15	MIP_NL__0PNPDE20110424_222540_000061193101_00417_47845_3502.N1	0	2

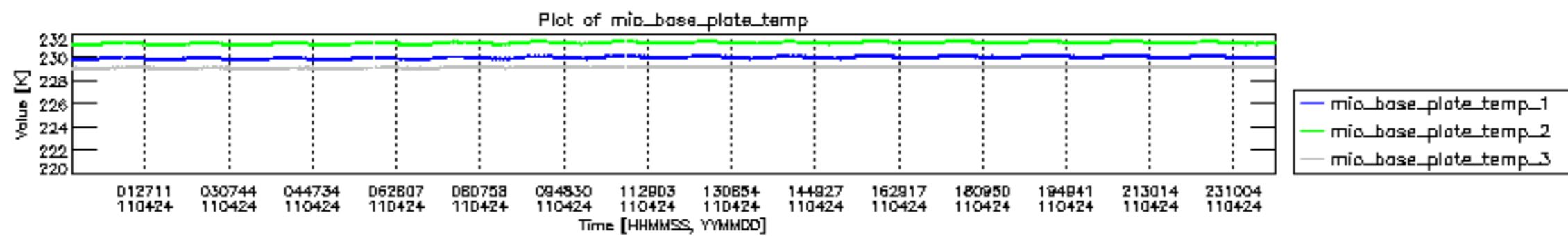


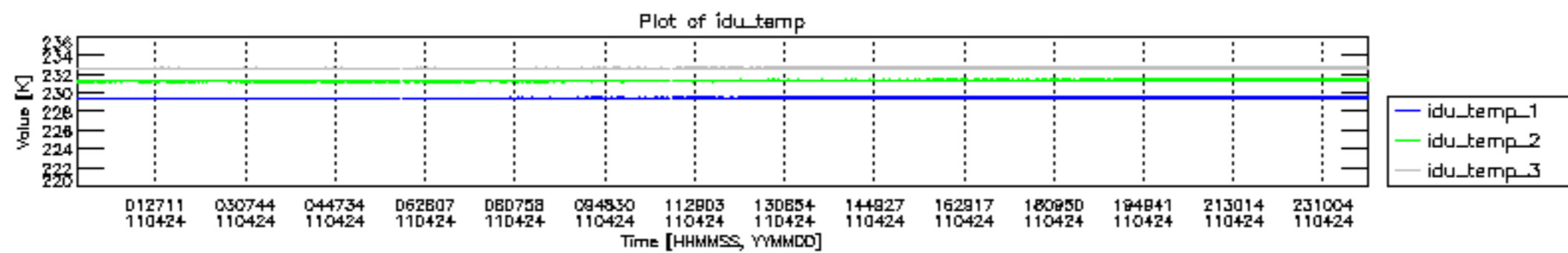
mipas_daily_report_level0_KSPT_L0_4504_N_20110424_12.PNG

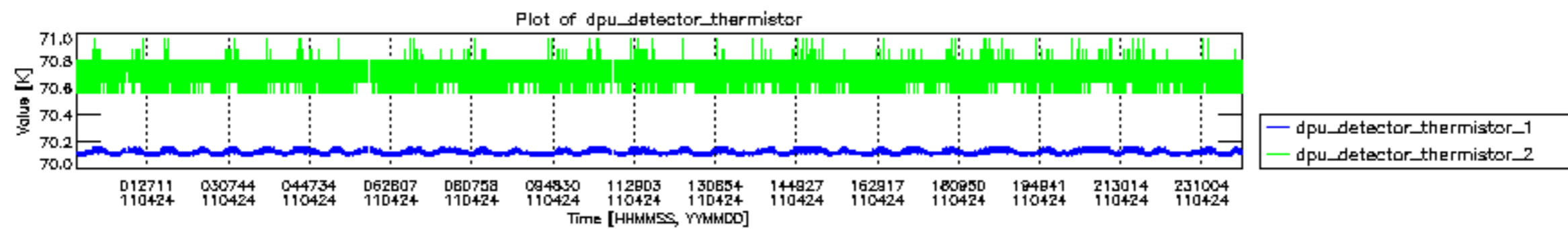


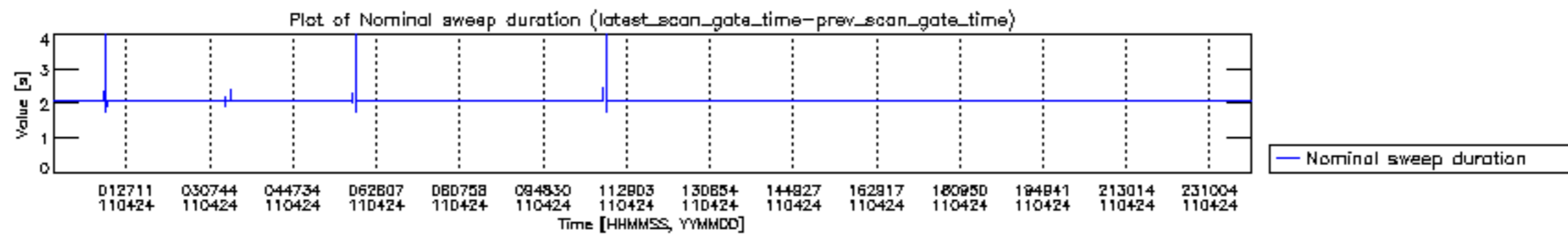
mipas_daily_report_level0_KSPT_L0_4504_N_20110424_13.PNG

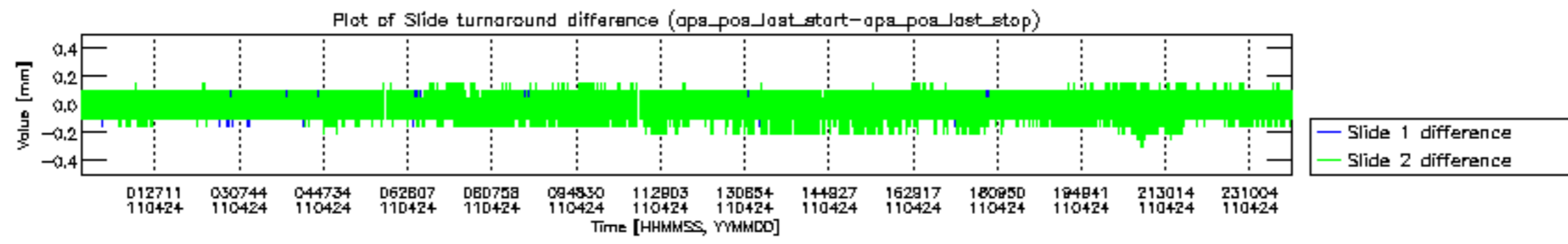


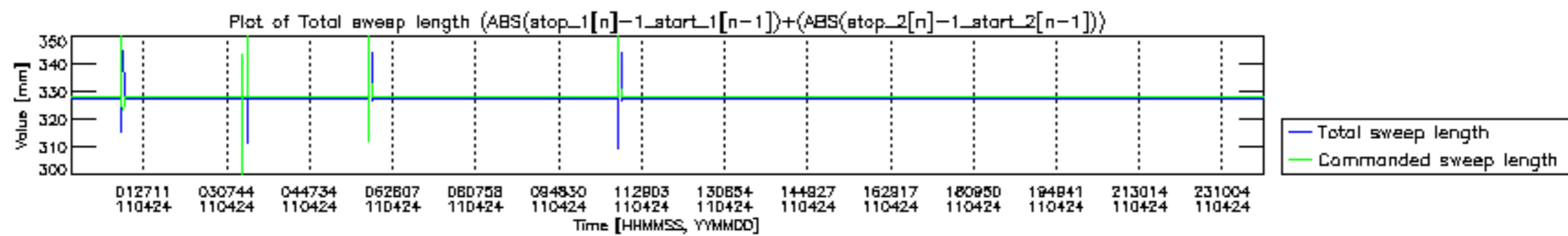


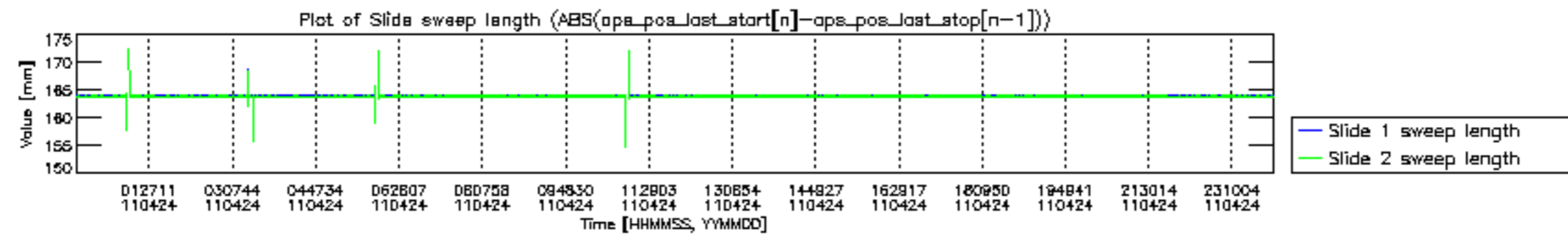


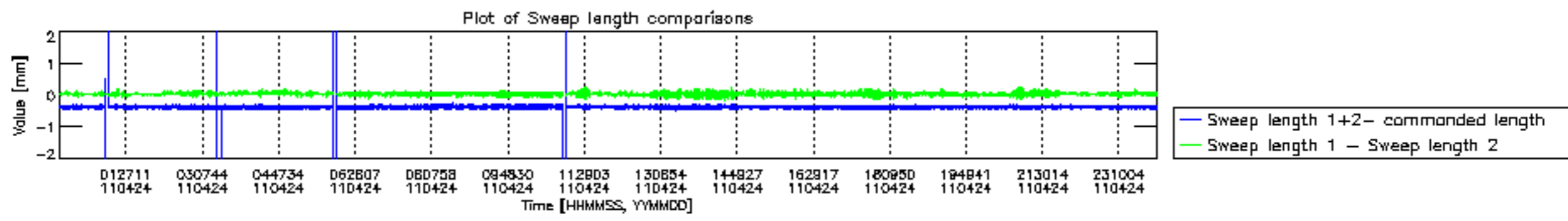


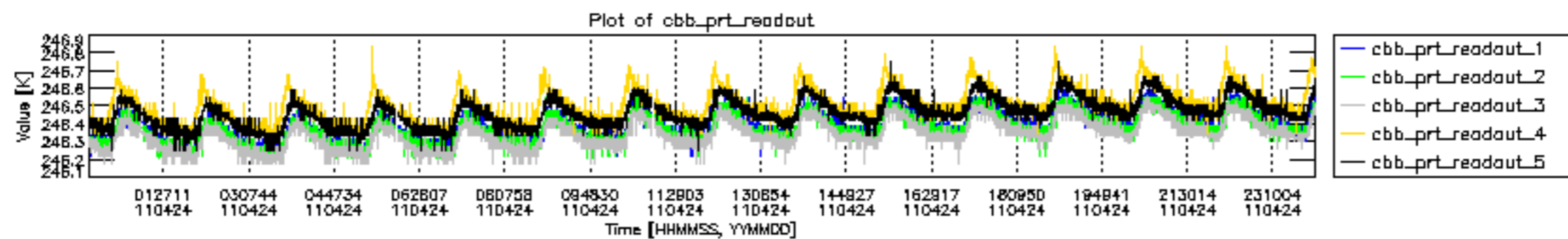


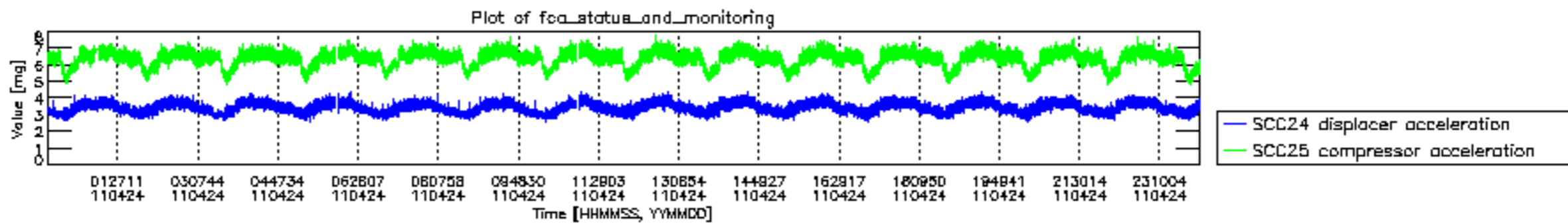












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

