

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	09FEB2012 05:24:09
Data source version	KSPT_L0/4504-N
Processing scope for products	04FEB2012 00:00:00 to 05FEB2012 00:00:00
Start time of first product within scope	04FEB2012 00:59:25
Stop time of last product within scope	05FEB2012 00:23:35
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__0PNPDE20120204_005925_000009403111_00203_51941_0966.N1	04FEB2012 00:59:25	04FEB2012 01:15:05	0	0	0	0	0
1	MIP_NL__0PNPDE20120204_011926_000013643111_00204_51942_0967.N1	04FEB2012 01:19:26	04FEB2012 01:42:10	0	0	0	0	0
2	MIP_NL__0PNPDE20120204_014213_000076563111_00204_51942_0968.N1	04FEB2012 01:42:13	04FEB2012 03:49:49	0	0	0	0	0
3	MIP_NL__0PNPDK20120204_071225_000041093111_00207_51945_8442.N1	04FEB2012 07:12:25	04FEB2012 08:20:54	0	0	0	0	0
4	MIP_NL__0PNPDK20120204_081958_000060723111_00208_51946_8443.N1	04FEB2012 08:19:58	04FEB2012 10:01:10	0	0	0	0	0
5	MIP_NL__0PNPDK20120204_095933_000061003111_00209_51947_8444.N1	04FEB2012 09:59:33	04FEB2012 11:41:13	0	0	0	0	0
6	MIP_NL__0PNPDK20120204_113935_000060463111_00210_51948_8445.N1	04FEB2012 11:39:35	04FEB2012 13:20:21	0	0	0	0	0
7	MIP_NL__0PNPDK20120204_131843_000059603111_00211_51949_8446.N1	04FEB2012 13:18:43	04FEB2012 14:58:03	0	0	0	0	0
8	MIP_NL__0PNPDK20120204_145620_000058913111_00212_51950_8447.N1	04FEB2012 14:56:20	04FEB2012 16:34:32	0	0	0	0	0
9	MIP_NL__0PNPDK20120204_163346_000059733111_00213_51951_8448.N1	04FEB2012 16:33:46	04FEB2012 18:13:18	0	0	0	0	0
10	MIP_NL__0PNPDK20120204_181218_000057763111_00214_51952_8449.N1	04FEB2012 18:12:18	04FEB2012 19:48:34	0	0	0	0	0
11	MIP_NL__0PNPDE20120204_194723_000042993111_00215_51953_0959.N1	04FEB2012 19:47:23	04FEB2012 20:59:02	0	0	0	0	0
12	MIP_NL__0PNPDE20120204_205804_000063823111_00215_51953_0960.N1	04FEB2012 20:58:04	04FEB2012 22:44:26	0	0	0	0	0
13	MIP_NL__0PNPDE20120204_224319_000060163111_00216_51954_0961.N1	04FEB2012 22:43:19	05FEB2012 00:23:35	0	0	0	0	0

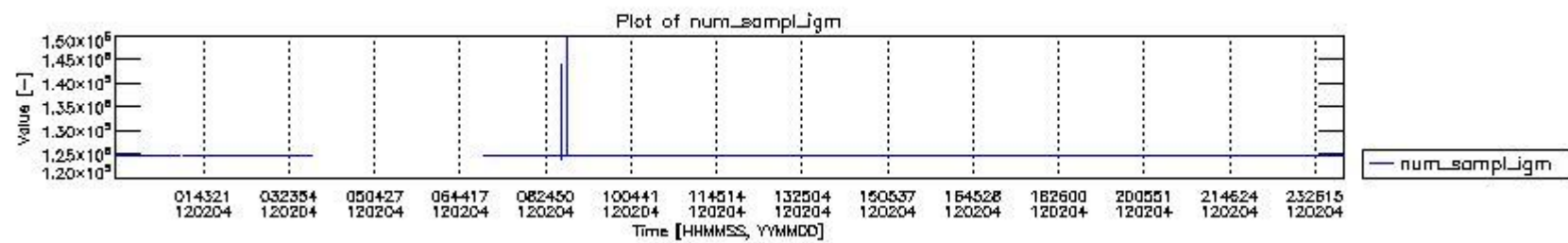
0.2 Instrument Operational Performance Parameters

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.

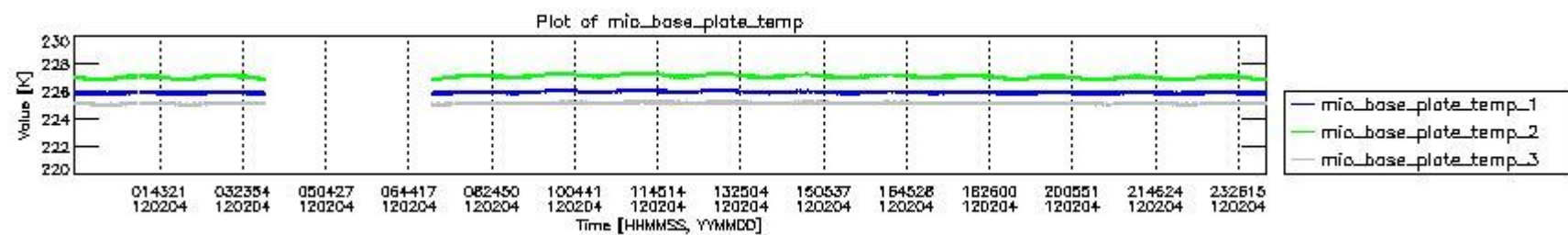
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
123962	1	0.0027989252
124800	33221	92.983094
124803	2501	7.0001120
127308	1	0.0027989252

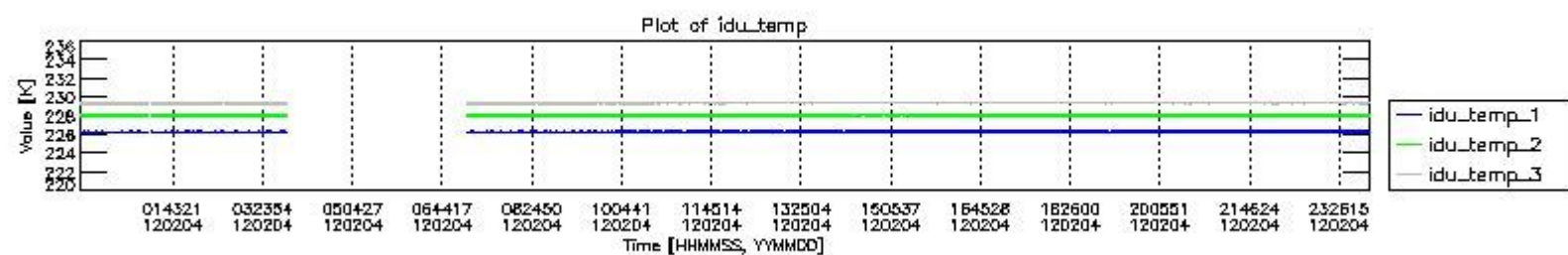
143256	1	0.0027989252
144094	1	0.0027989252
147440	1	0.0027989252
149948	1	0.0027989252



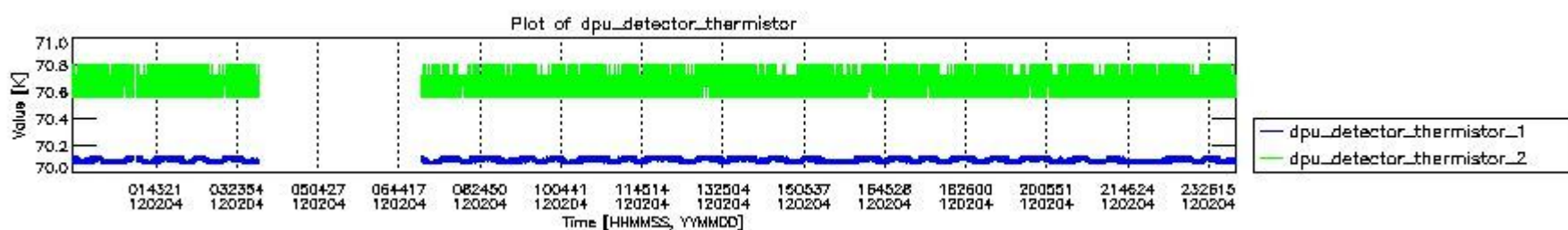
mipas_daily_report_level0_KSPT_L0_4504_N_20120204_0.PNG



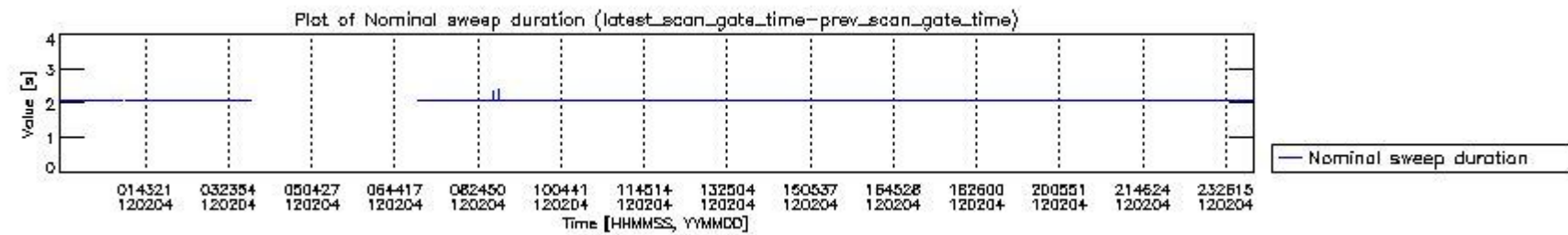
mipas_daily_report_level0_KSPT_L0_4504_N_20120204_1.PNG



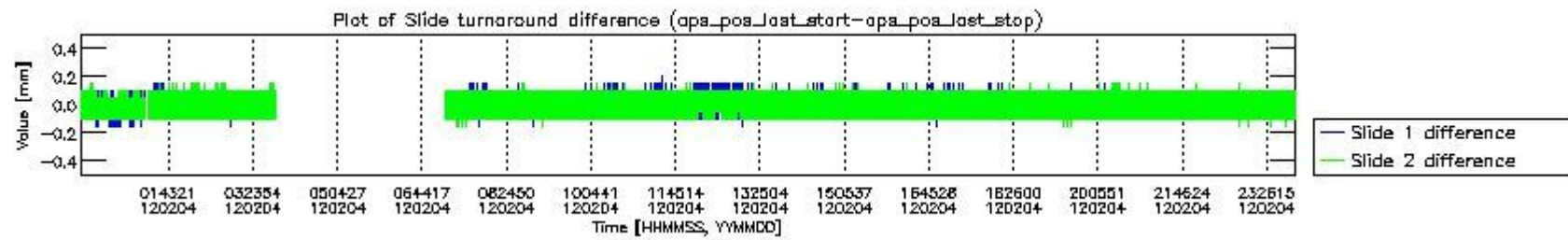
mipas_daily_report_level0_KSPT_L0_4504_N_20120204_2.PNG



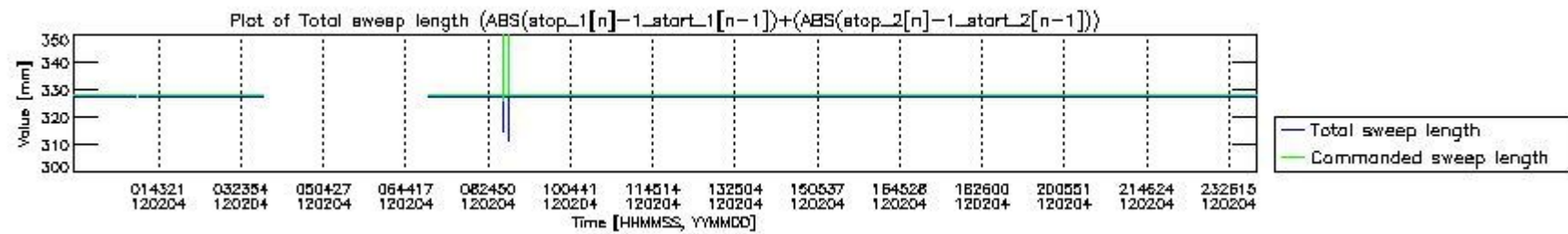
mipas_daily_report_level0_KSPT_L0_4504_N_20120204_3.PNG



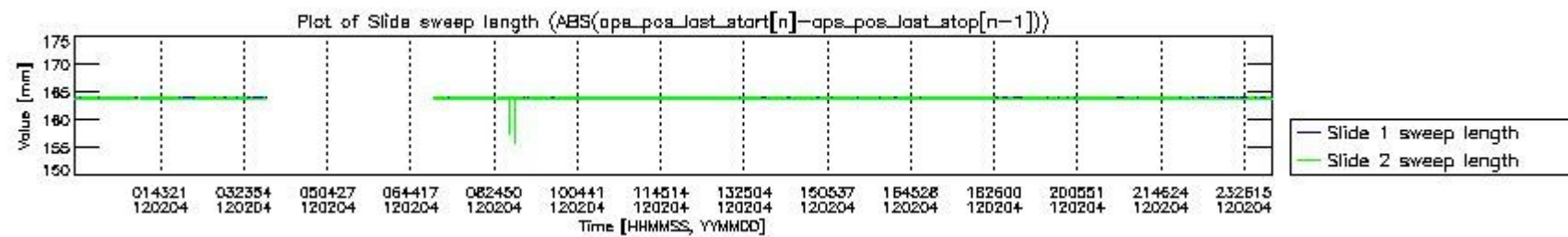
mipas_daily_report_level0_KSPT_L0_4504_N_20120204_4.PNG



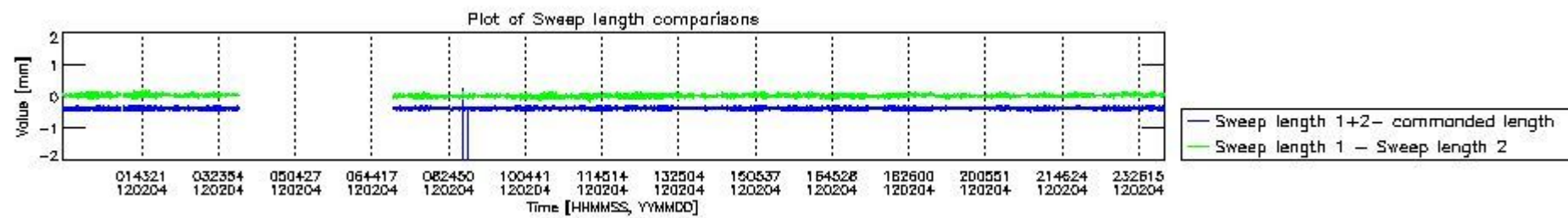
mipas_daily_report_level0_KSPT_L0_4504_N_20120204_5.PNG



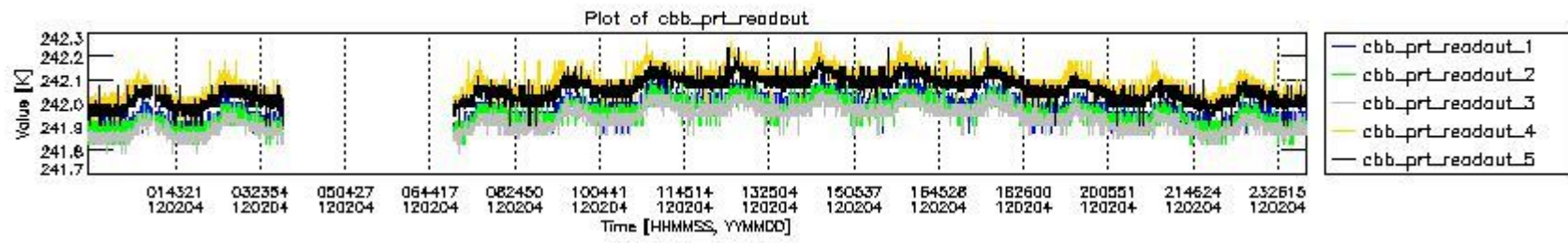
mipas_daily_report_level0_KSPT_L0_4504_N_20120204_6.PNG



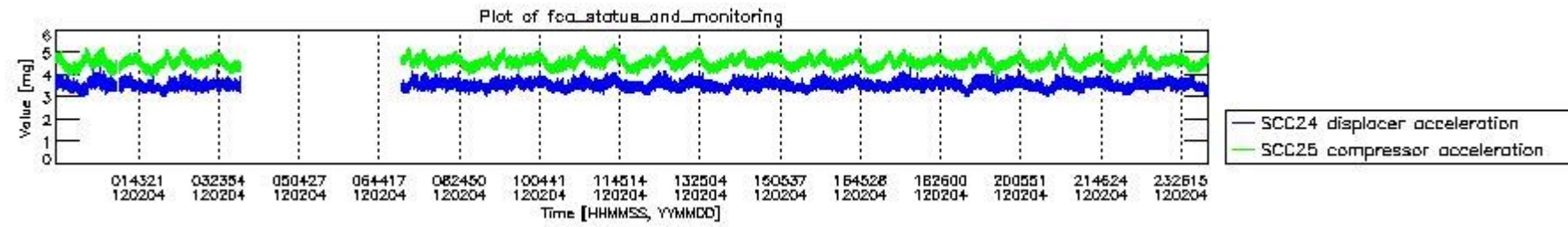
mipas_daily_report_level0_KSPT_L0_4504_N_20120204_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120204_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120204_9.PNG

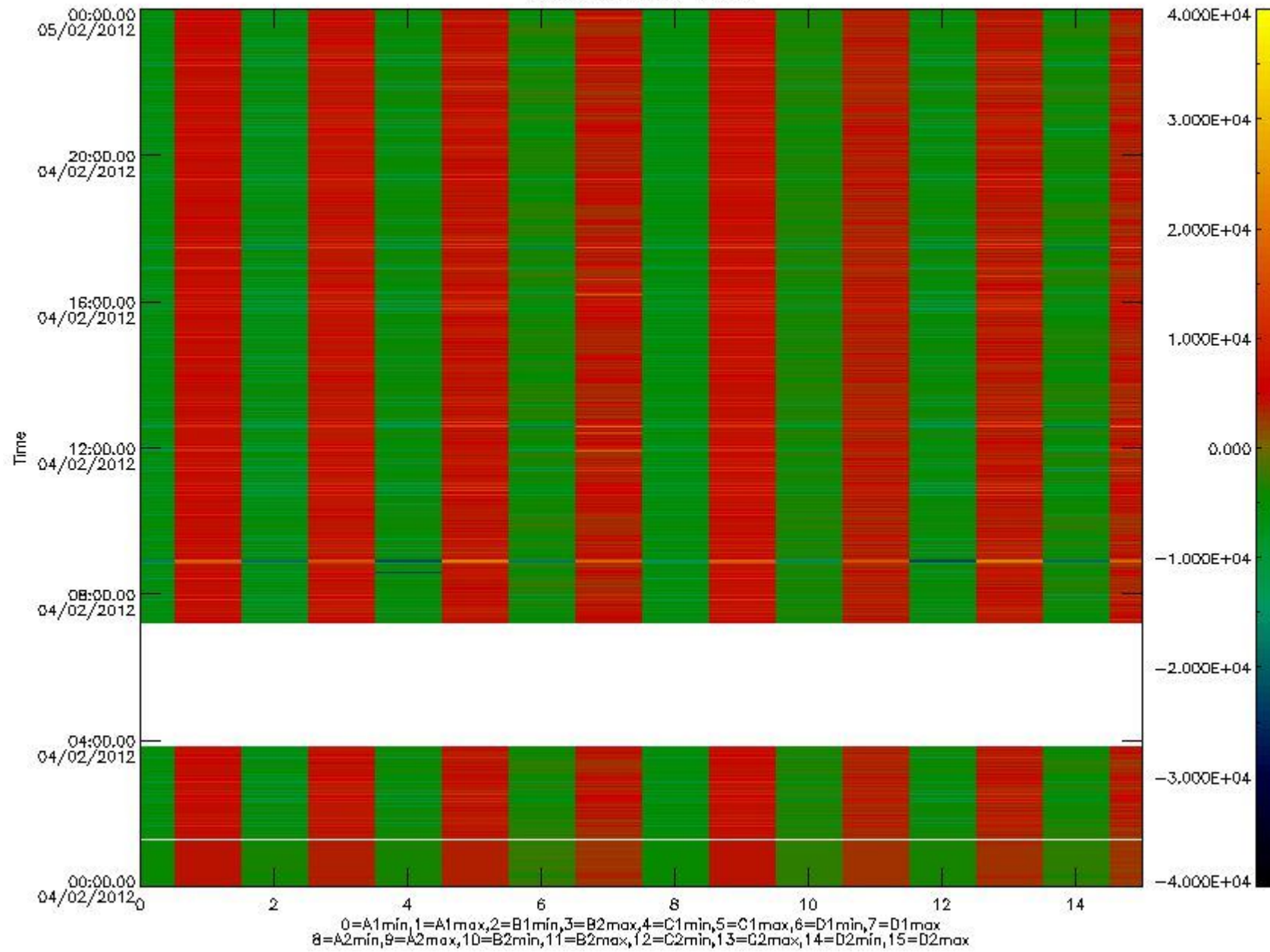


mipas_daily_report_level0_KSPT_L0_4504_N_20120204_10.PNG

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

Channel	Min	Max	ADC
A1	-17223	18133	16bit
B1	-18898	16428	16bit
C1	-23130	22096	16bit
D1	-27542	32565	16bit
A2	-15035	18352	16bit
B2	-16620	16423	16bit
C2	-23224	24454	16bit
D2	-32768	30569	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120204_11.PNG

0.3 ADF monitoring

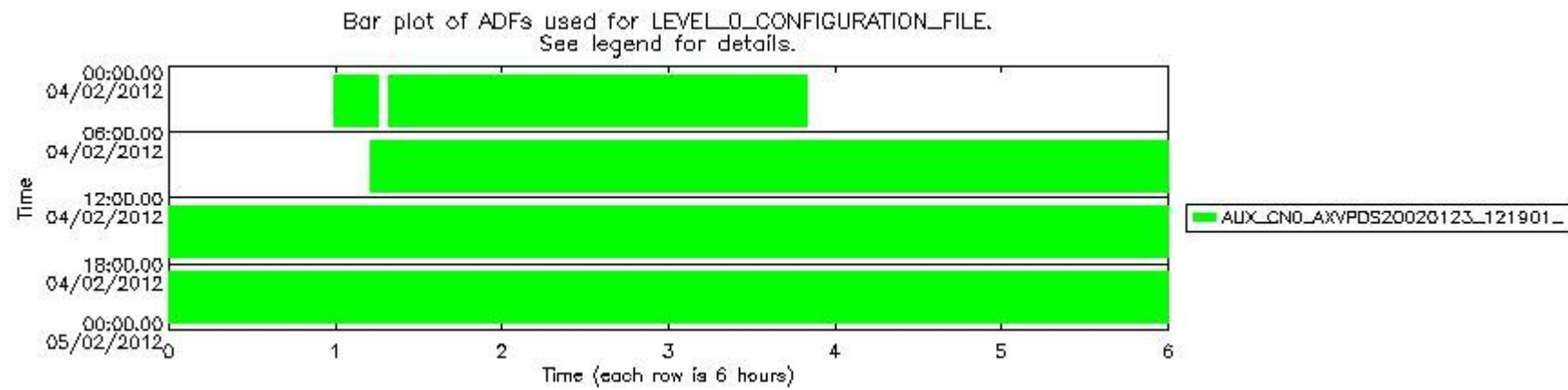
The use of ADFs is shown in two ways:

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.

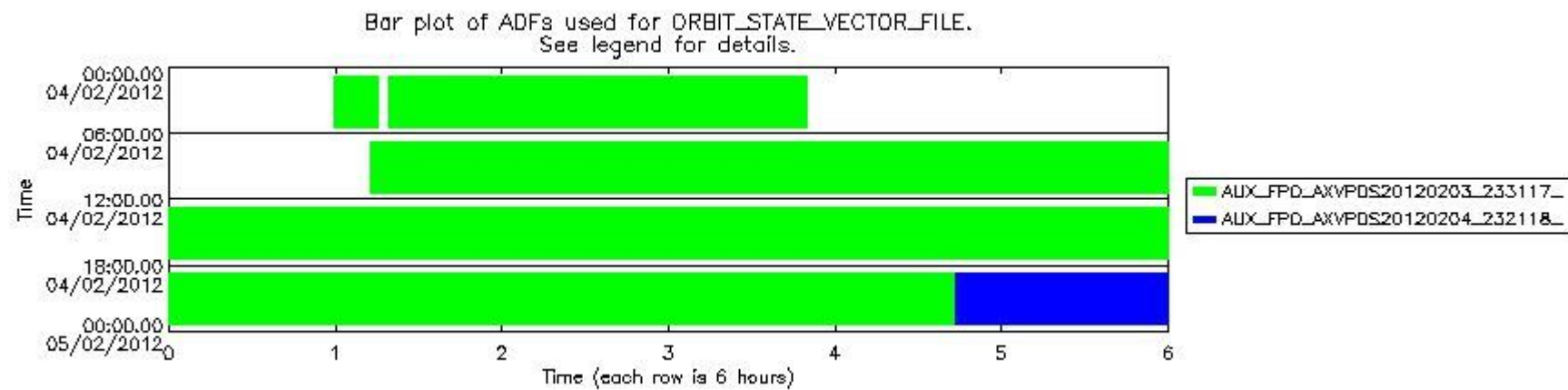
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120203_233117_20120203_183041_20120213_204420
2	AUX_FPO_AXVPDS20120204_232118_20120204_193410_20120214_200735

Number	Product name	#CN0	#FPO
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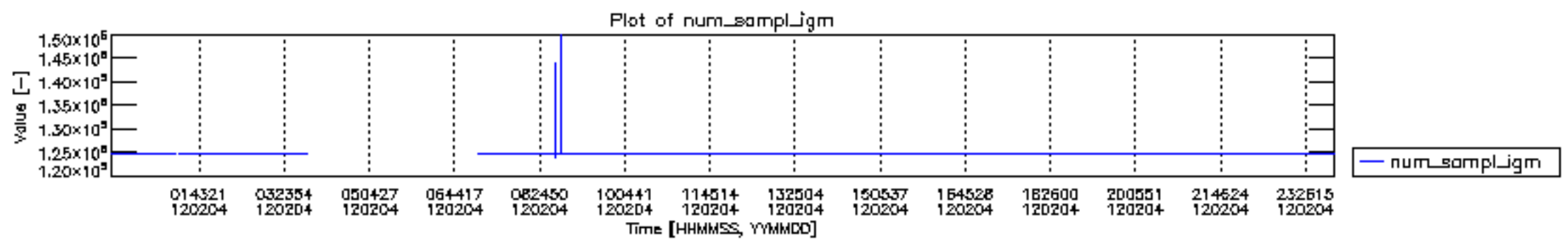
0	MIP_NL__0PNPDE20120204_005925_000009403111_00203_51941_0966.N1	0	1
1	MIP_NL__0PNPDE20120204_011926_000013643111_00204_51942_0967.N1	0	1
2	MIP_NL__0PNPDE20120204_014213_000076563111_00204_51942_0968.N1	0	1
3	MIP_NL__0PNPDK20120204_071225_000041093111_00207_51945_8442.N1	0	1
4	MIP_NL__0PNPDK20120204_081958_000060723111_00208_51946_8443.N1	0	1
5	MIP_NL__0PNPDK20120204_095933_000061003111_00209_51947_8444.N1	0	1
6	MIP_NL__0PNPDK20120204_113935_000060463111_00210_51948_8445.N1	0	1
7	MIP_NL__0PNPDK20120204_131843_000059603111_00211_51949_8446.N1	0	1
8	MIP_NL__0PNPDK20120204_145620_000058913111_00212_51950_8447.N1	0	1
9	MIP_NL__0PNPDK20120204_163346_000059733111_00213_51951_8448.N1	0	1
10	MIP_NL__0PNPDK20120204_181218_000057763111_00214_51952_8449.N1	0	1
11	MIP_NL__0PNPDE20120204_194723_000042993111_00215_51953_0959.N1	0	1
12	MIP_NL__0PNPDE20120204_205804_000063823111_00215_51953_0960.N1	0	1
13	MIP_NL__0PNPDE20120204_224319_000060163111_00216_51954_0961.N1	0	2

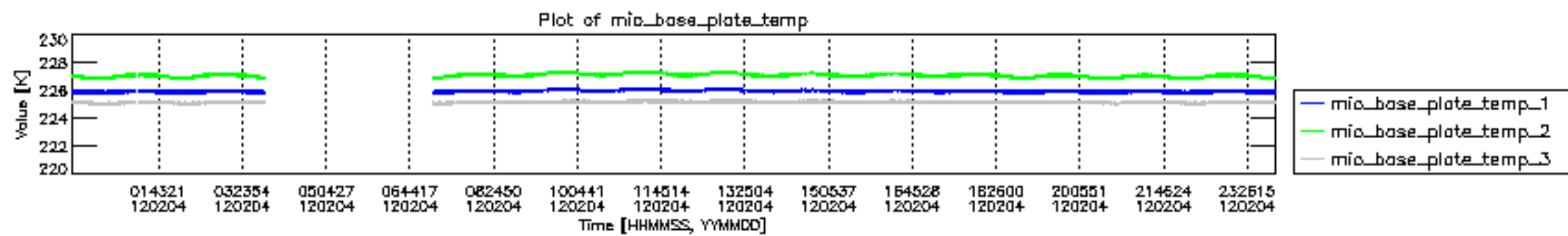


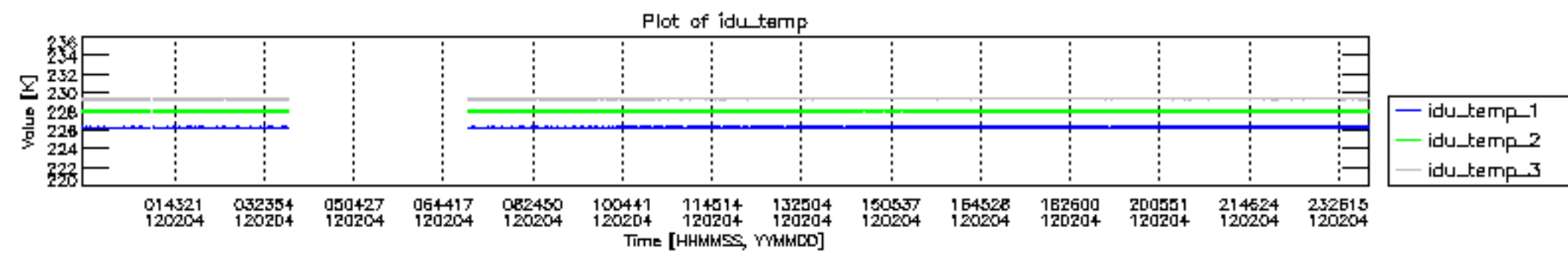
mipas_daily_report_level0_KSPT_L0_4504_N_20120204_12.PNG

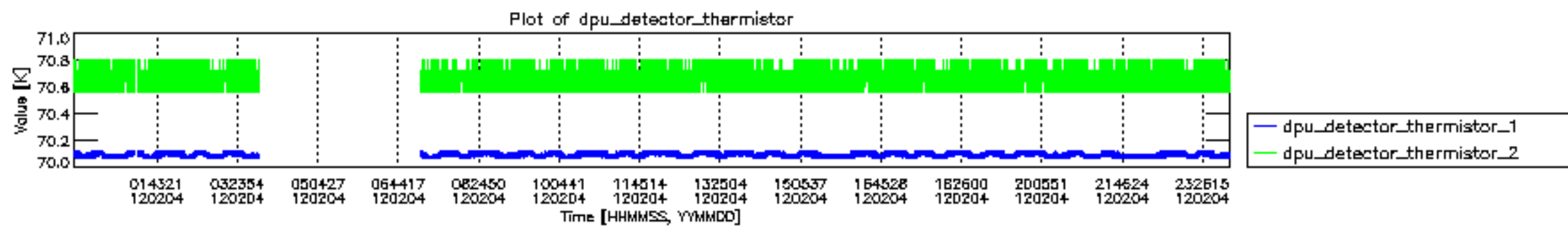


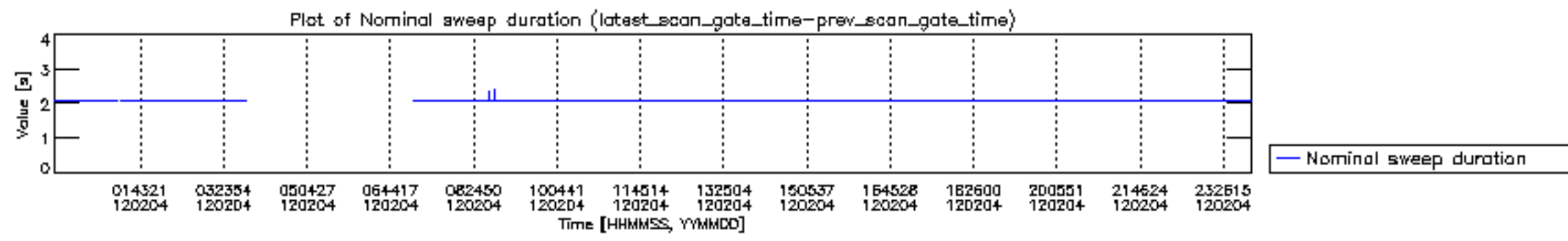
mipas_daily_report_level0_KSPT_L0_4504_N_20120204_13.PNG

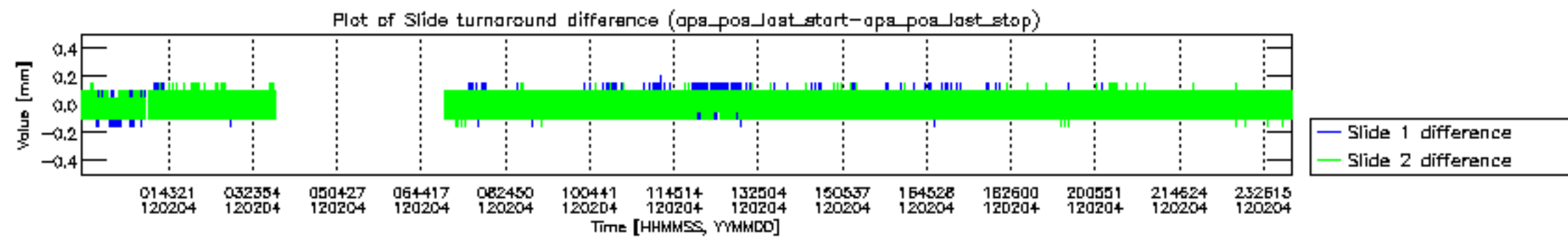


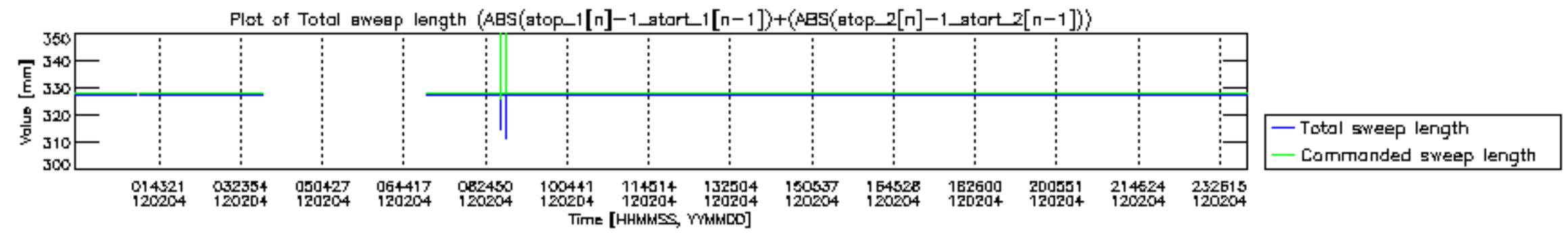


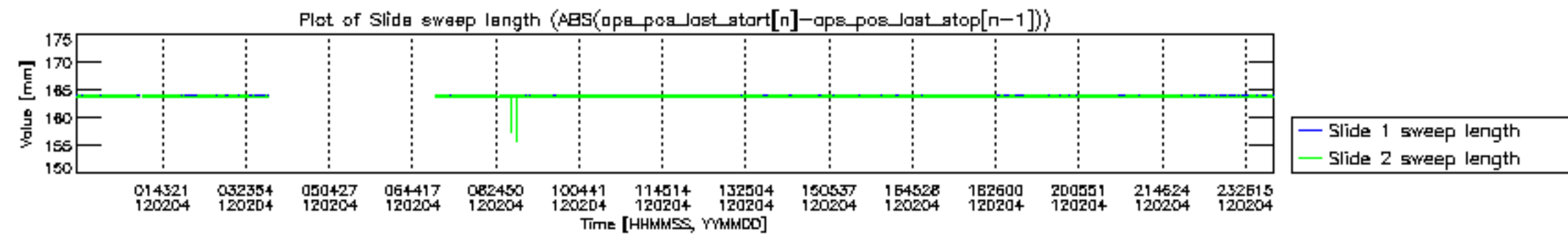


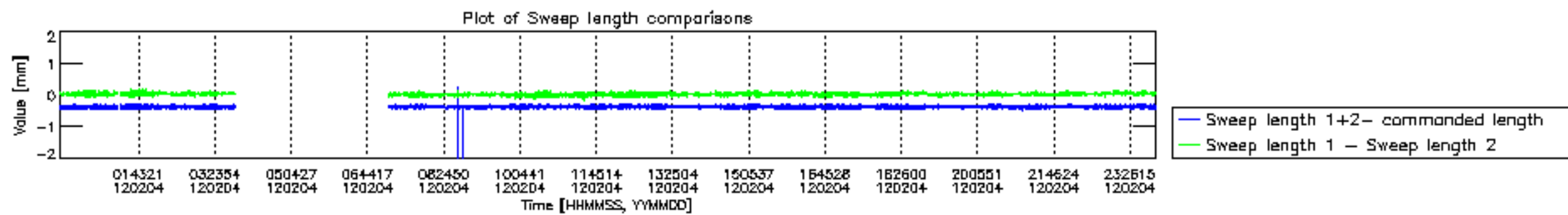


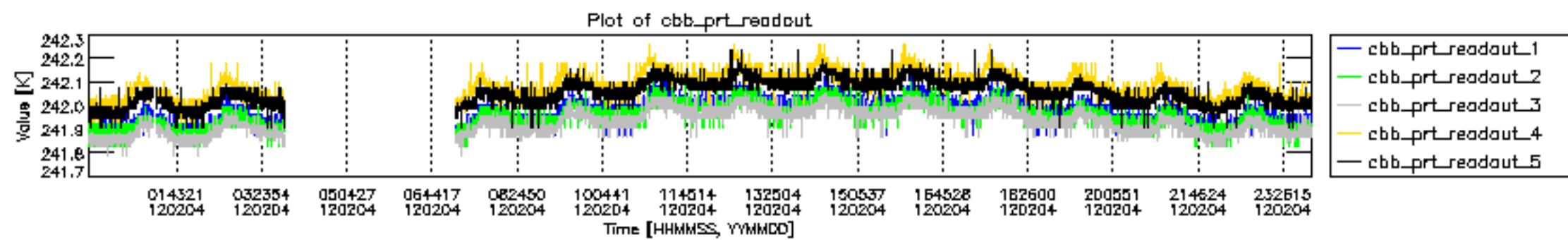


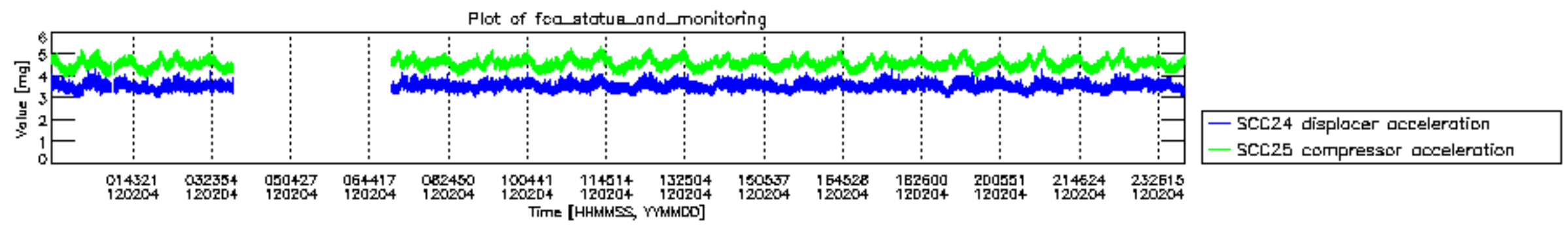












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

