

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	29MAR2012 11:37:30
Data source version	KSPT_L0/4504-N
Processing scope for products	24MAR2012 00:00:00 to 25MAR2012 00:00:00
Start time of first product within scope	24MAR2012 01:04:35
Stop time of last product within scope	25MAR2012 00:26:53
Total number of level 0 products	16
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__0PNPDE20120324_010435_000101543113_00045_52645_1282.N1	24MAR2012 01:04:35	24MAR2012 03:53:49	0	0	0	0	0
1	MIP_NL__0PNPDE20120324_011435_000018783113_00045_52645_5980.N1	24MAR2012 01:14:35	24MAR2012 01:45:53	0	0	0	0	0
2	MIP_NL__0PNPDE20120324_014556_000076733113_00046_52646_5981.N1	24MAR2012 01:45:56	24MAR2012 03:53:49	0	0	0	0	0
3	MIP_NL__0PNPDE20120324_035315_000062113113_00047_52647_1283.N1	24MAR2012 03:53:15	24MAR2012 05:36:46	0	0	0	0	0
4	MIP_NL__0PNPDE20120324_053612_000060183113_00048_52648_1284.N1	24MAR2012 05:36:12	24MAR2012 07:16:31	0	0	0	0	0
5	MIP_NL__0PNPDK20120324_071547_000041173113_00049_52649_9016.N1	24MAR2012 07:15:47	24MAR2012 08:24:25	0	0	0	0	0
6	MIP_NL__0PNPDK20120324_082349_000061463113_00050_52650_9017.N1	24MAR2012 08:23:49	24MAR2012 10:06:15	0	0	0	0	0
7	MIP_NL__0PNPDK20120324_100541_000059143113_00051_52651_9018.N1	24MAR2012 10:05:41	24MAR2012 11:44:15	0	0	0	0	0
8	MIP_NL__0PNPDK20120324_114331_000059983113_00052_52652_9019.N1	24MAR2012 11:43:31	24MAR2012 13:23:29	0	0	0	0	0
9	MIP_NL__0PNPDK20120324_132228_000058223113_00053_52653_9020.N1	24MAR2012 13:22:28	24MAR2012 14:59:31	0	0	0	0	0
10	MIP_NL__0PNPDK20120324_145748_000060123113_00054_52654_9021.N1	24MAR2012 14:57:48	24MAR2012 16:38:00	0	0	0	0	0
11	MIP_NL__0PNPDK20120324_163702_000058953113_00055_52655_9022.N1	24MAR2012 16:37:02	24MAR2012 18:15:17	0	0	0	0	0
12	MIP_NL__0PNPDK20120324_181417_000059543113_00056_52656_9023.N1	24MAR2012 18:14:17	24MAR2012 19:53:30	0	0	0	0	0
13	MIP_NL__0PNPDE20120324_195215_000040993113_00057_52657_1285.N1	24MAR2012 19:52:15	24MAR2012 21:00:34	0	0	0	0	0
14	MIP_NL__0PNPDE20120324_205925_000065493113_00057_52657_1286.N1	24MAR2012 20:59:25	24MAR2012 22:48:34	0	0	0	0	0
15	MIP_NL__0PNPDE20120324_224729_000059643113_00058_52658_1287.N1	24MAR2012 22:47:29	25MAR2012 00:26:53	0	0	0	0	0

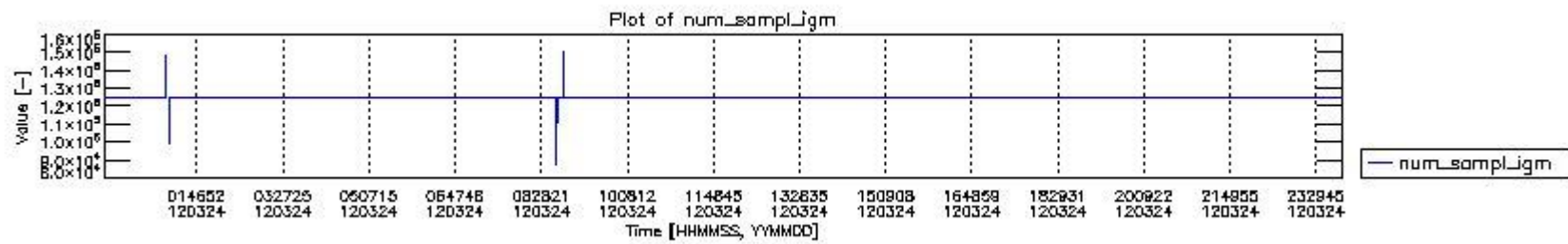
0.2 Instrument Operational Performance Parameters

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.

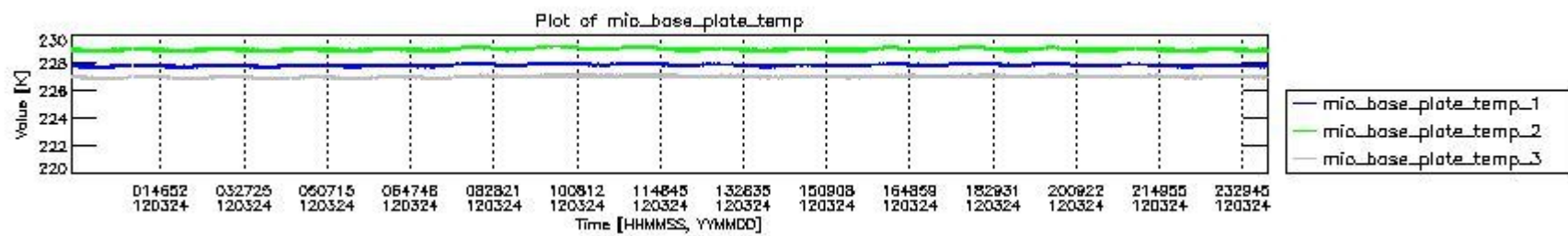
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
87352	1	0.0024107423
96010	1	0.0024107423

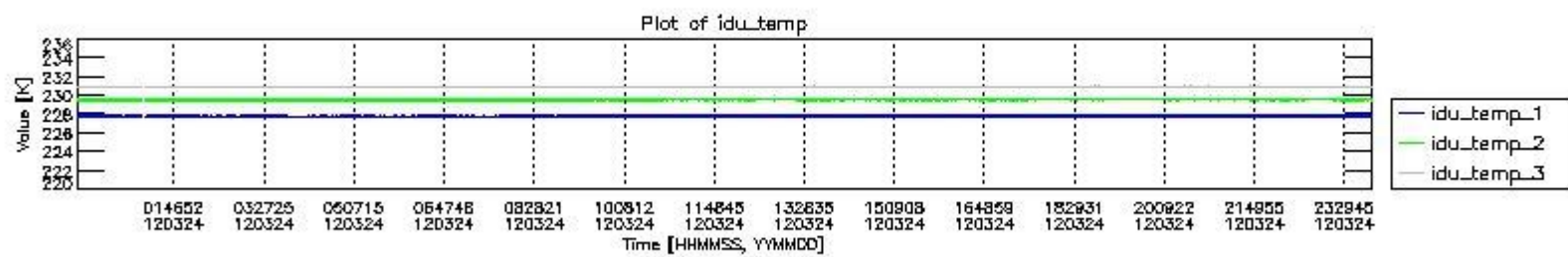
98773	1	0.0024107423
116142	1	0.0024107423
123250	1	0.0024107423
124025	1	0.0024107423
124800	38691	93.274029
124803	2778	6.6970420
126341	1	0.0024107423
127382	1	0.0024107423
146473	1	0.0024107423
147514	1	0.0024107423
148014	1	0.0024107423
150096	1	0.0024107423



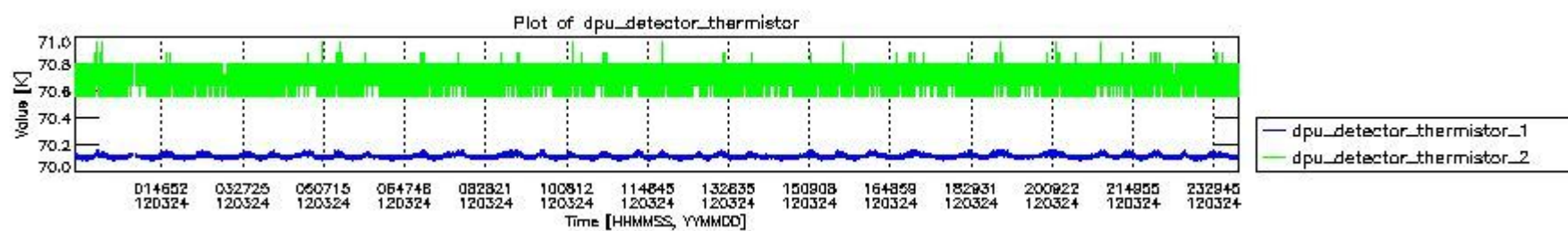
mipas_daily_report_level0_KSPT_L0_4504_N_20120324_0.PNG



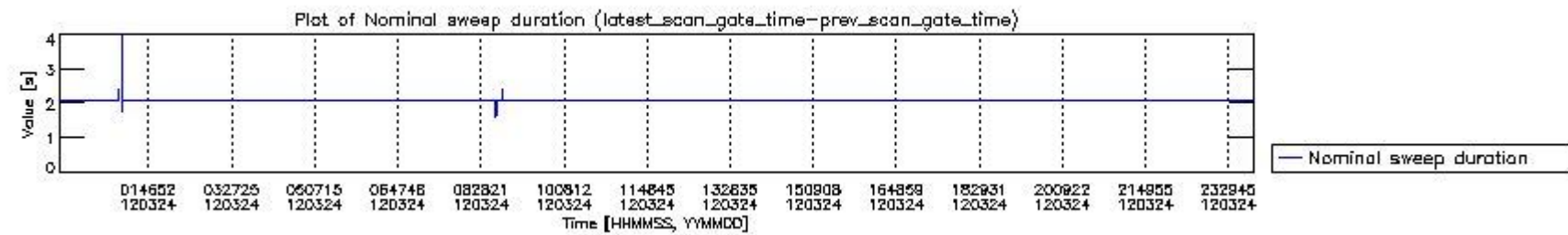
mipas_daily_report_level0_KSPT_L0_4504_N_20120324_1.PNG



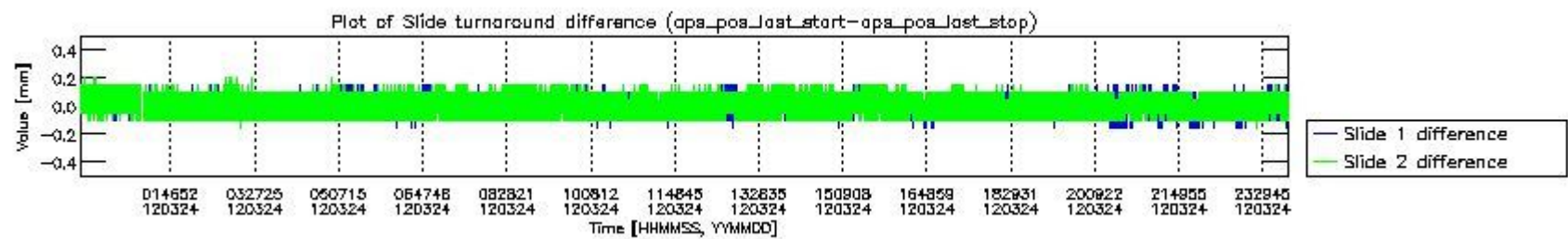
mipas_daily_report_level0_KSPT_L0_4504_N_20120324_2.PNG



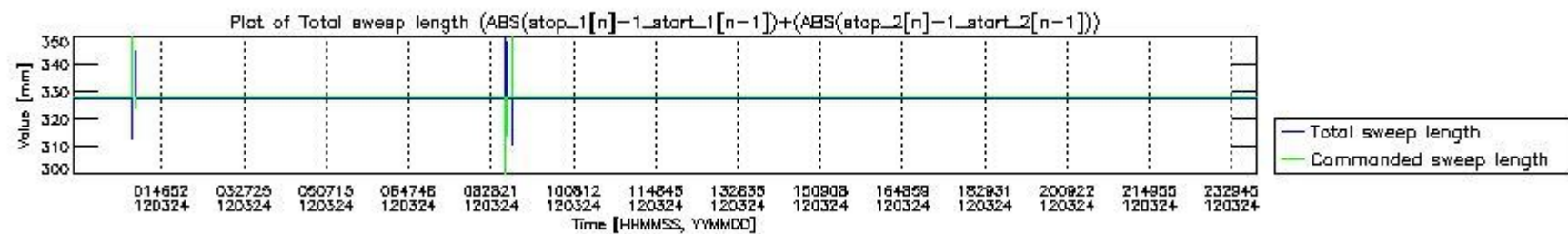
mipas_daily_report_level0_KSPT_L0_4504_N_20120324_3.PNG



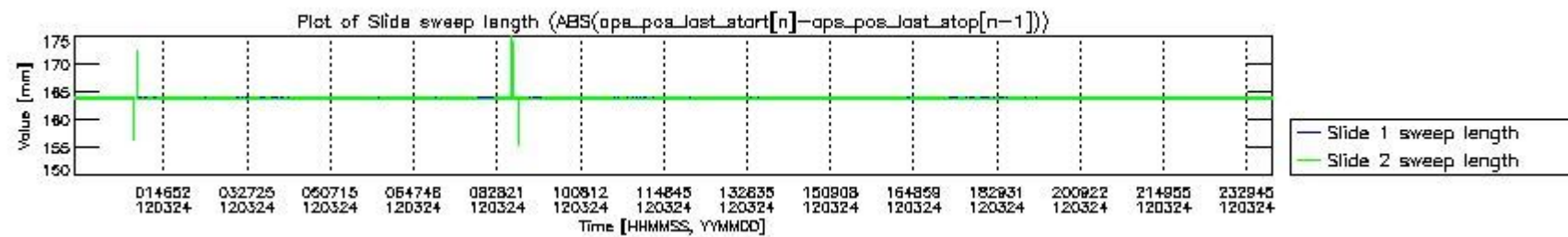
mipas_daily_report_level0_KSPT_L0_4504_N_20120324_4.PNG



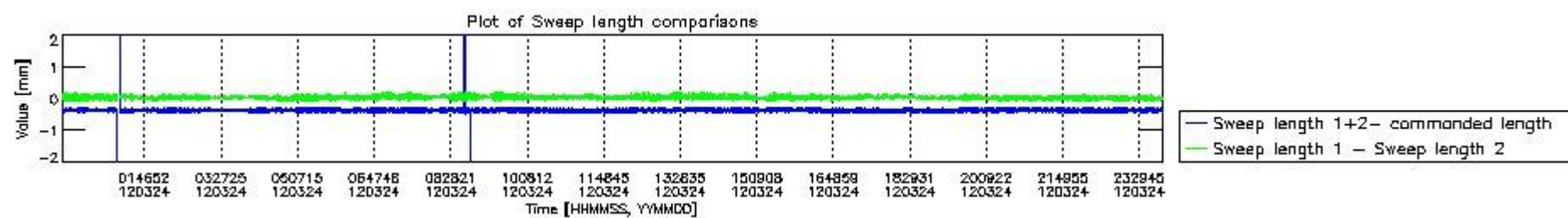
mipas_daily_report_level0_KSPT_L0_4504_N_20120324_5.PNG



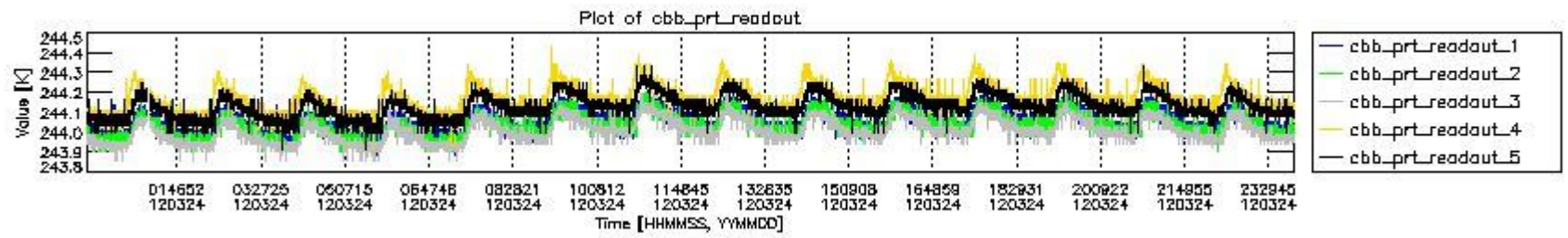
mipas_daily_report_level0_KSPT_L0_4504_N_20120324_6.PNG



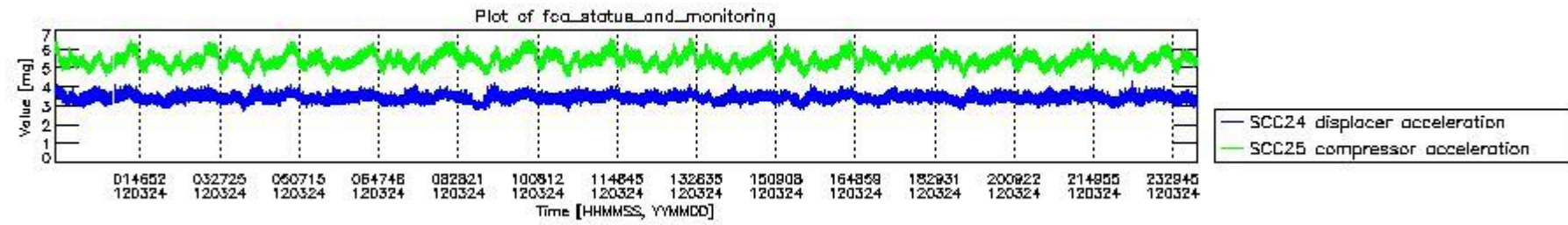
mipas_daily_report_level0_KSPT_L0_4504_N_20120324_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120324_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120324_9.PNG

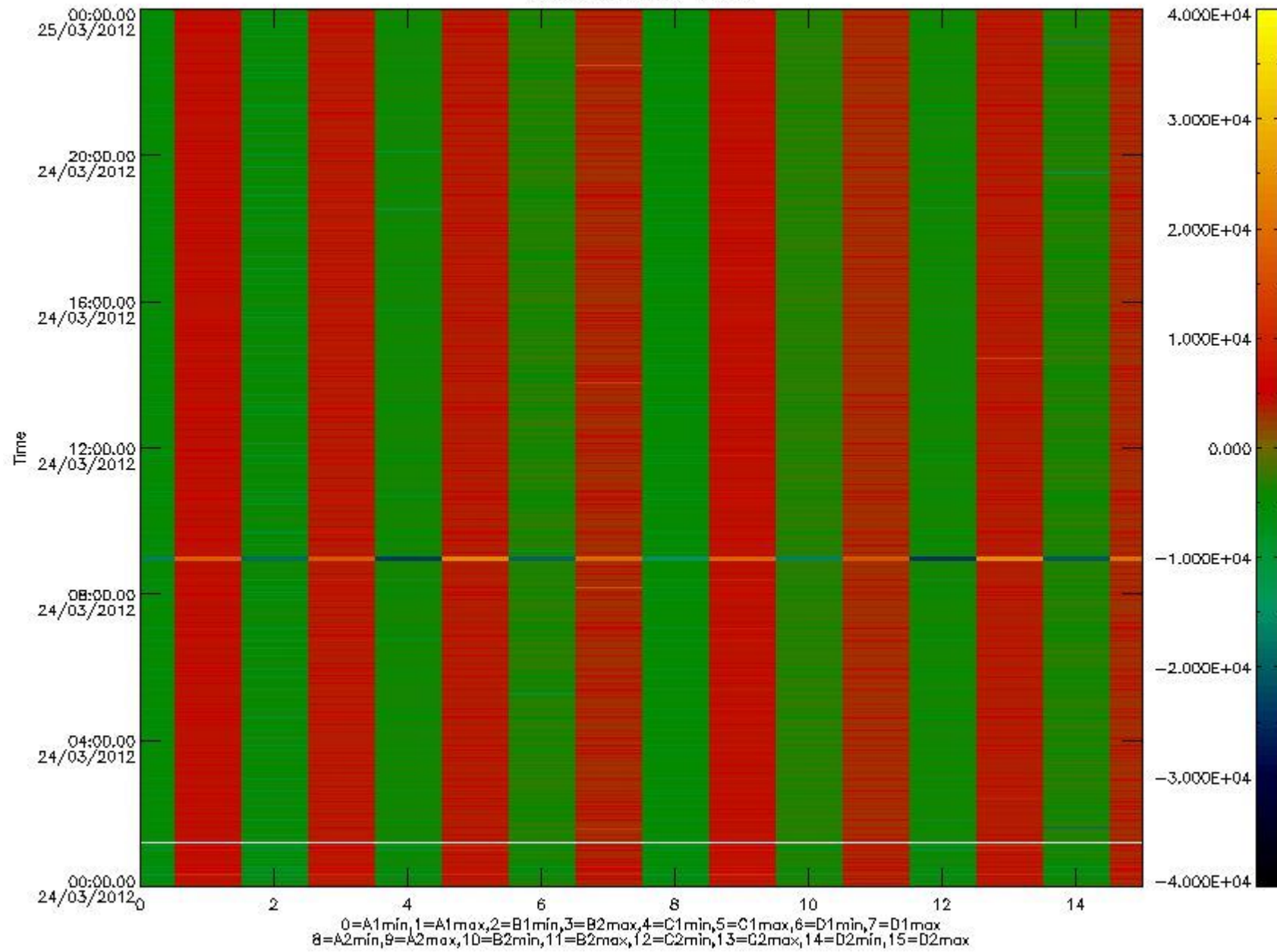


mipas_daily_report_level0_KSPT_L0_4504_N_20120324_10.PNG

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

Channel	Min	Max	ADC
A1	-17545	18491	16bit
B1	-19857	17162	16bit
C1	-25625	23976	16bit
D1	-26994	32767	16bit
A2	-15306	18751	16bit
B2	-17611	17370	16bit
C2	-25104	24845	16bit
D2	-32768	30077	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120324_11.PNG

0.3 ADF monitoring

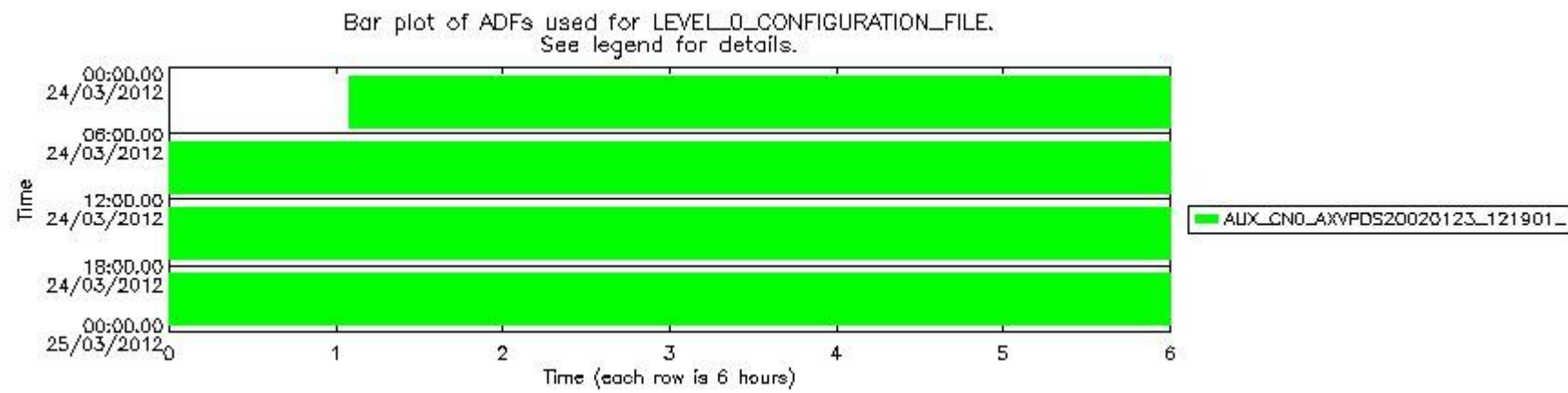
The use of ADFs is shown in two ways:

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.

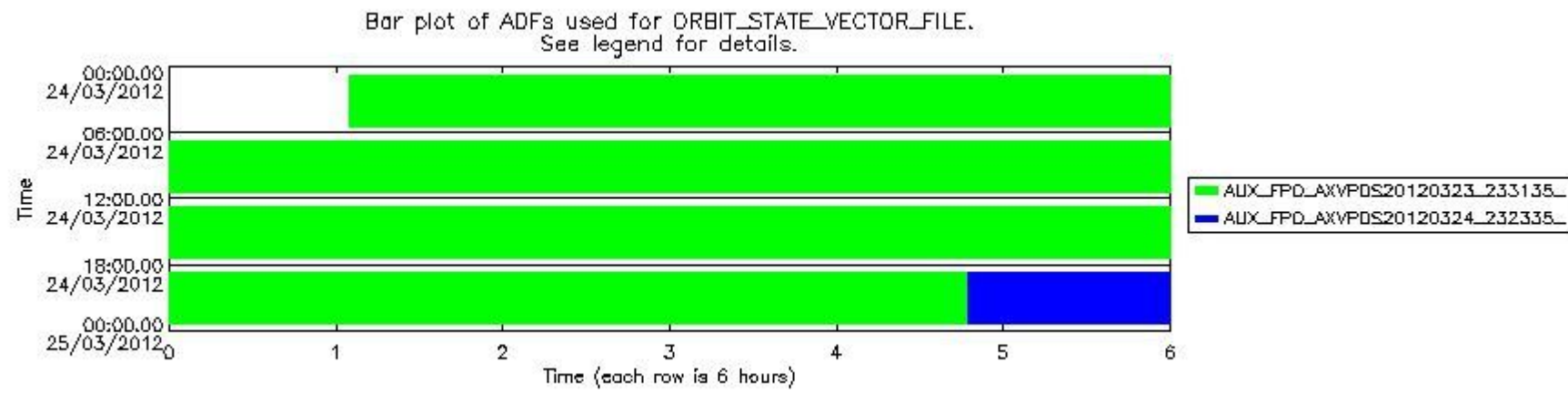
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120323_233135_20120323_183409_20120402_204749
2	AUX_FPO_AXVPDS20120324_232335_20120324_193738_20120403_201104

Number	Product name	#CN0	#FPO
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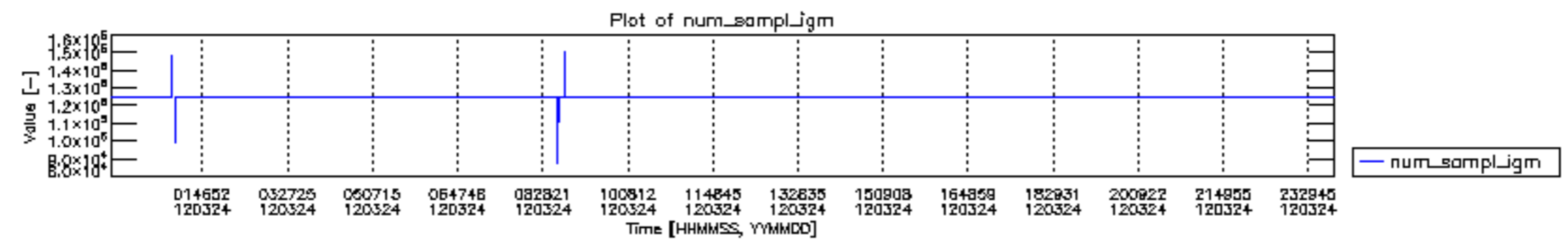
0	MIP_NL__0PNPDE20120324_010435_000101543113_00045_52645_1282.N1	0	1
1	MIP_NL__0PNPDE20120324_011435_000018783113_00045_52645_5980.N1	0	1
2	MIP_NL__0PNPDE20120324_014556_000076733113_00046_52646_5981.N1	0	1
3	MIP_NL__0PNPDE20120324_035315_000062113113_00047_52647_1283.N1	0	1
4	MIP_NL__0PNPDE20120324_053612_000060183113_00048_52648_1284.N1	0	1
5	MIP_NL__0PNPDK20120324_071547_000041173113_00049_52649_9016.N1	0	1
6	MIP_NL__0PNPDK20120324_082349_000061463113_00050_52650_9017.N1	0	1
7	MIP_NL__0PNPDK20120324_100541_000059143113_00051_52651_9018.N1	0	1
8	MIP_NL__0PNPDK20120324_114331_000059983113_00052_52652_9019.N1	0	1
9	MIP_NL__0PNPDK20120324_132228_000058223113_00053_52653_9020.N1	0	1
10	MIP_NL__0PNPDK20120324_145748_000060123113_00054_52654_9021.N1	0	1
11	MIP_NL__0PNPDK20120324_163702_000058953113_00055_52655_9022.N1	0	1
12	MIP_NL__0PNPDK20120324_181417_000059543113_00056_52656_9023.N1	0	1
13	MIP_NL__0PNPDE20120324_195215_000040993113_00057_52657_1285.N1	0	1
14	MIP_NL__0PNPDE20120324_205925_000065493113_00057_52657_1286.N1	0	1
15	MIP_NL__0PNPDE20120324_224729_000059643113_00058_52658_1287.N1	0	2

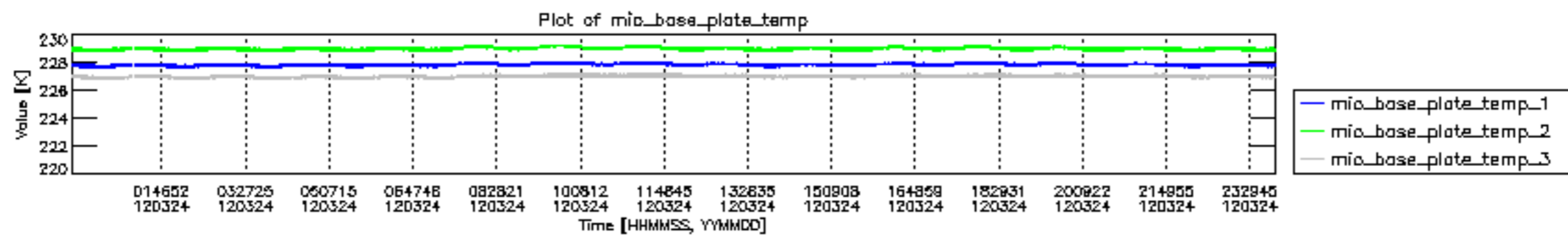


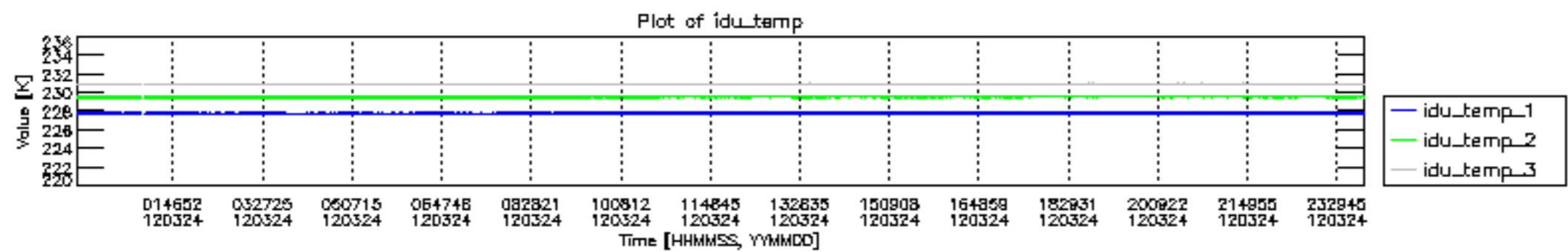
mipas_daily_report_level0_KSPT_L0_4504_N_20120324_12.PNG

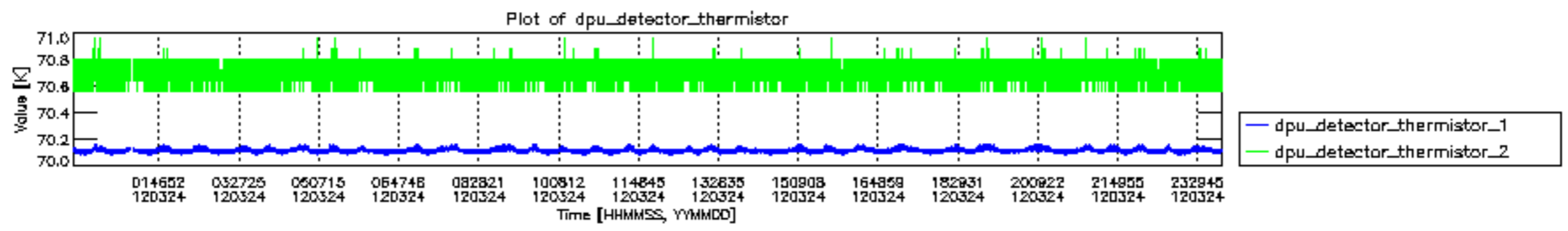


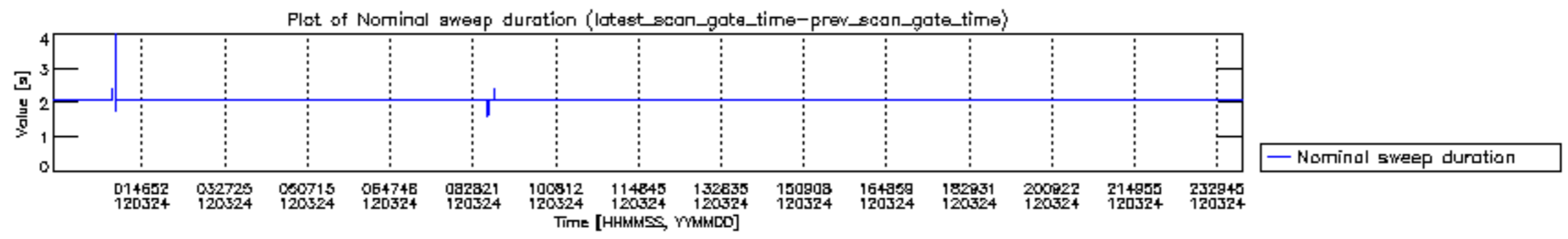
mipas_daily_report_level0_KSPT_L0_4504_N_20120324_13.PNG

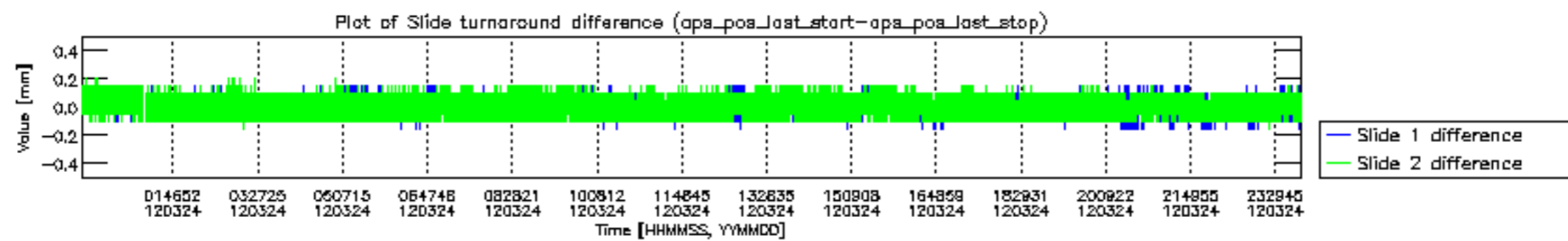


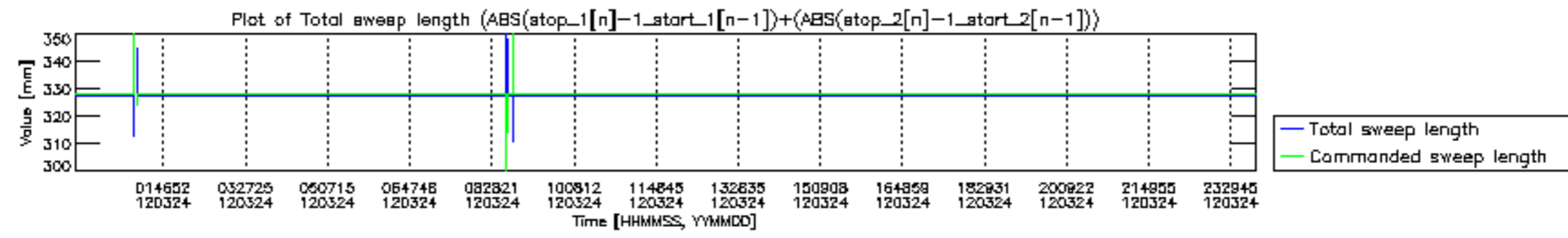


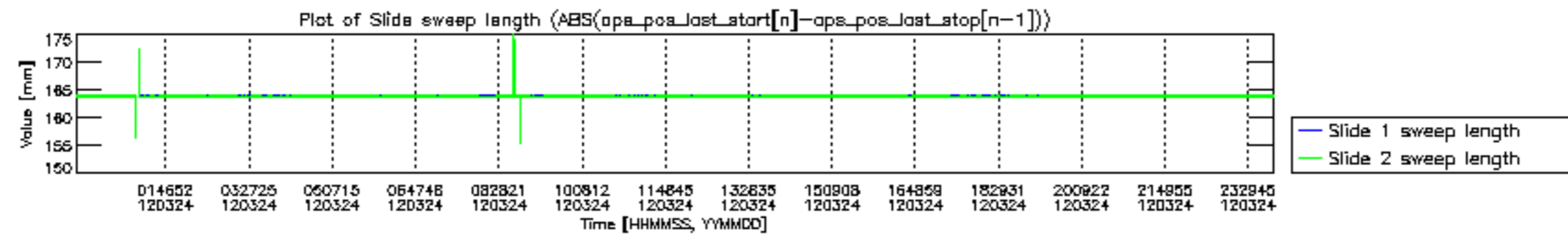


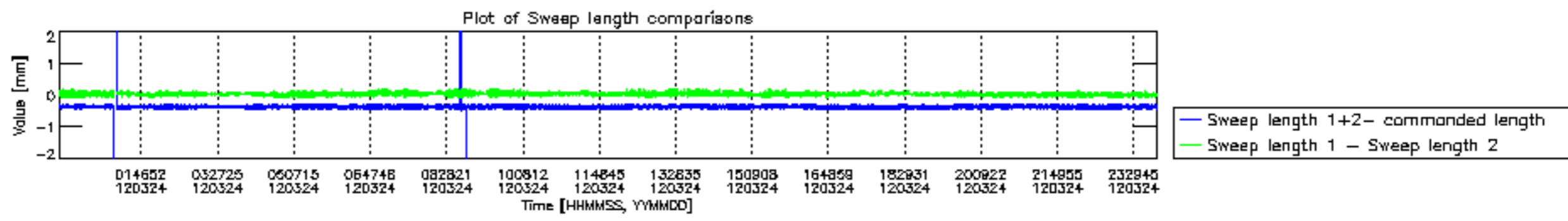


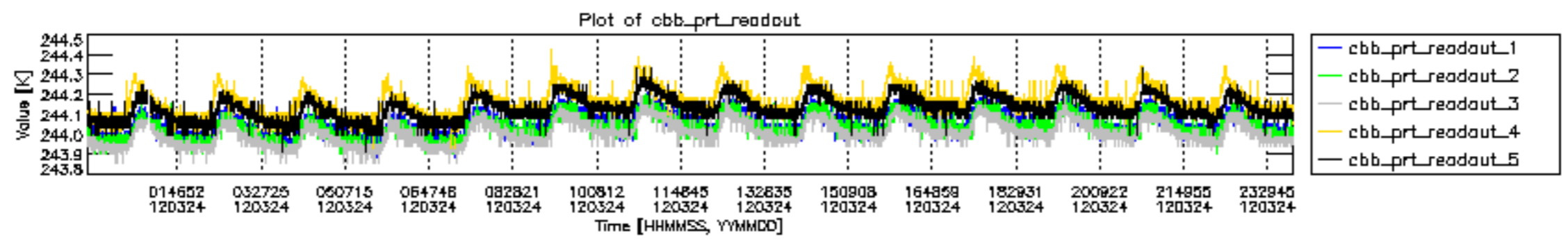


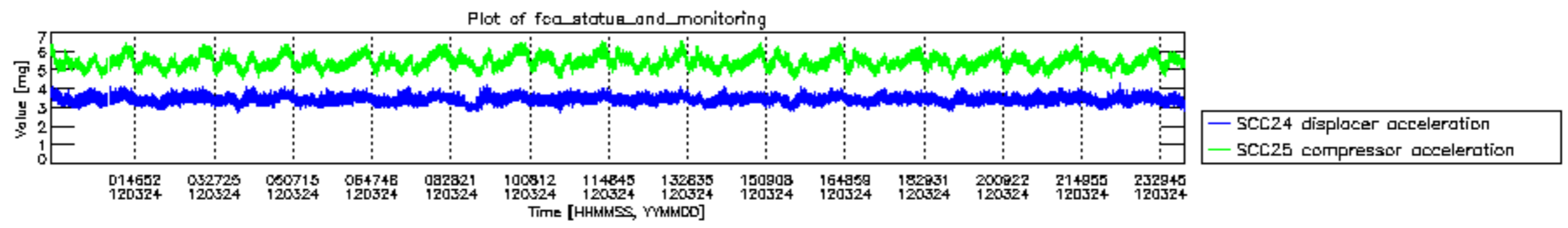












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

