

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	26MAR2012 05:25:13
Data source version	KSPT_L0/4504-N
Processing scope for products	21MAR2012 00:00:00 to 22MAR2012 00:00:00
Start time of first product within scope	21MAR2012 01:13:18
Stop time of last product within scope	22MAR2012 00:38:28
Total number of level 0 products	12
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__0PNPDE20120321_011318_000102723113_00002_52602_1263.N1	21MAR2012 01:13:18	21MAR2012 04:04:30	0	0	0	0	0
1	MIP_NL__0PNPDE20120321_040357_000062173113_00004_52604_1264.N1	21MAR2012 04:03:57	21MAR2012 05:47:33	0	0	0	0	0
2	MIP_NL__0PNPDE20120321_054700_000023613113_00005_52605_1265.N1	21MAR2012 05:47:00	21MAR2012 06:26:21	0	0	0	0	0
3	MIP_NL__0PNPDK20120321_094628_000017563113_00008_52608_8990.N1	21MAR2012 09:46:28	21MAR2012 10:15:44	0	0	0	0	0
4	MIP_NL__0PNPDK20120321_115311_000060313113_00009_52609_8992.N1	21MAR2012 11:53:11	21MAR2012 13:33:42	1	1	0	0	0
5	MIP_NL__0PNPDK20120321_133233_000058783113_00010_52610_8993.N1	21MAR2012 13:32:33	21MAR2012 15:10:31	0	0	0	0	0
6	MIP_NL__0PNPDK20120321_150851_000059163113_00011_52611_8994.N1	21MAR2012 15:08:51	21MAR2012 16:47:27	0	0	0	0	0
7	MIP_NL__0PNPDK20120321_164629_000059793113_00012_52612_8995.N1	21MAR2012 16:46:29	21MAR2012 18:26:08	0	0	0	0	0
8	MIP_NL__0PNPDK20120321_182509_000059623113_00013_52613_8996.N1	21MAR2012 18:25:09	21MAR2012 20:04:31	0	0	0	0	0
9	MIP_NL__0PNPDE20120321_200253_000041053113_00014_52614_1266.N1	21MAR2012 20:02:53	21MAR2012 21:11:18	0	0	0	0	0
10	MIP_NL__0PNPDE20120321_211011_000064553113_00014_52614_1267.N1	21MAR2012 21:10:11	21MAR2012 22:57:46	0	0	0	0	0
11	MIP_NL__0PNPDE20120321_225645_000061023113_00015_52615_1268.N1	21MAR2012 22:56:45	22MAR2012 00:38:28	0	0	0	0	0

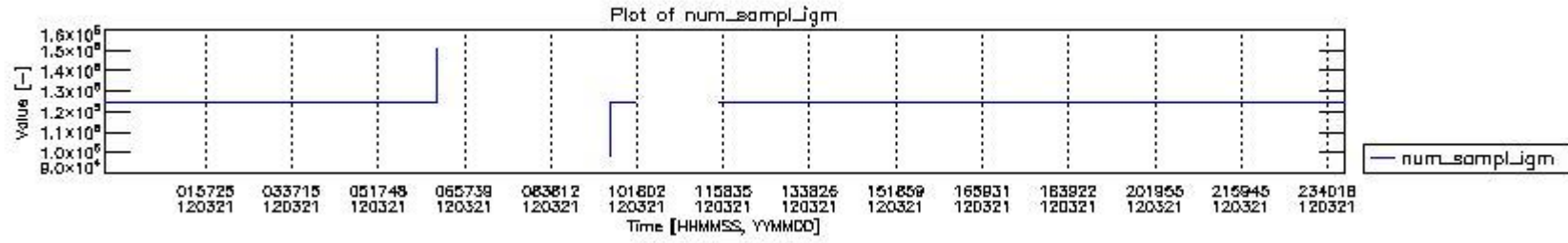
0.2 Instrument Operational Performance Parameters

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.

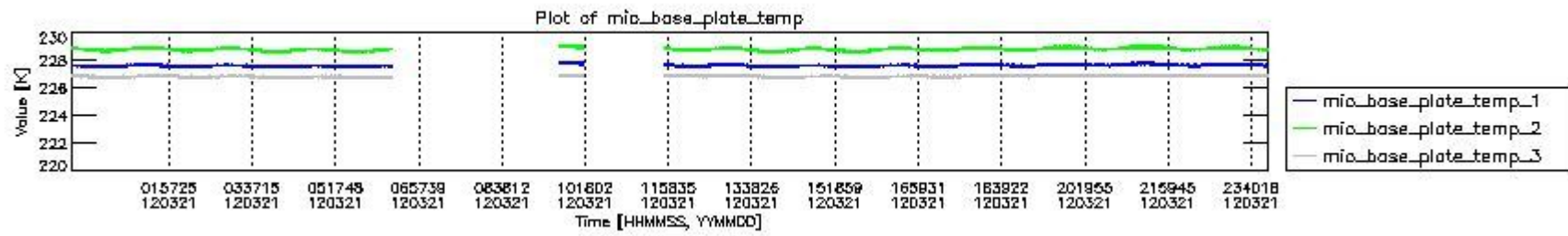
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98699	1	0.0030350856
123102	1	0.0030350856
123951	1	0.0030350856
124800	30585	92.828093
124803	2357	7.1536967
127531	1	0.0030350856

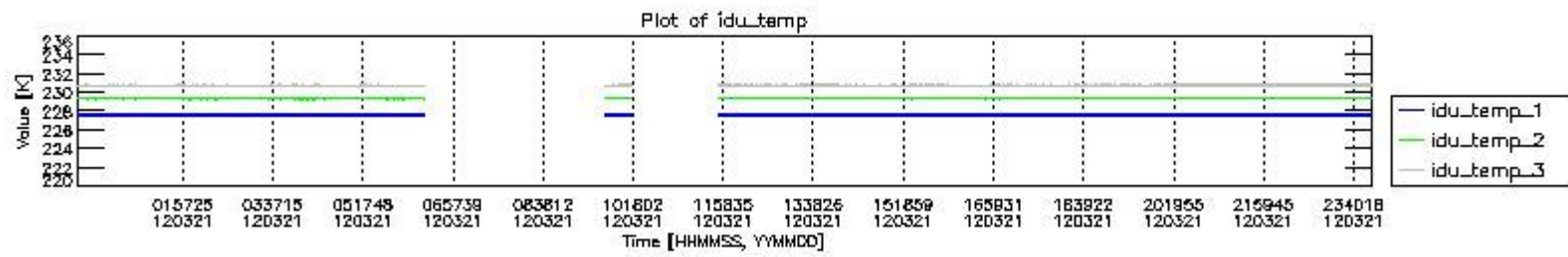
147663	1	0.0030350856
150394	1	0.0030350856



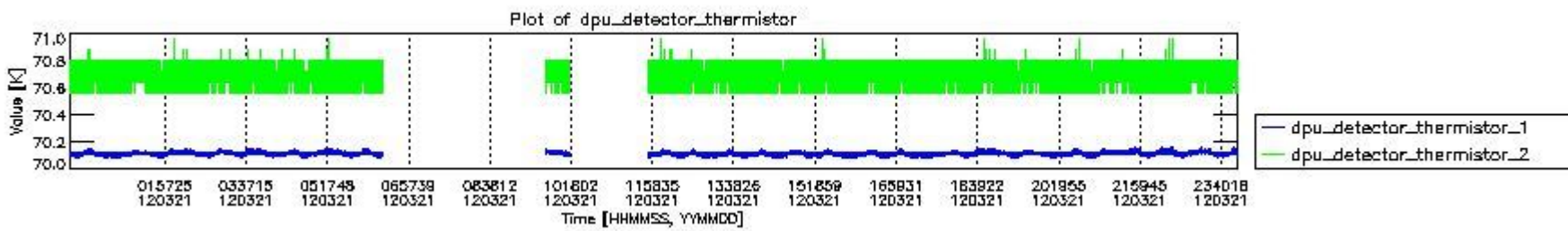
mipas_daily_report_level0_KSPT_L0_4504_N_20120321_0.PNG



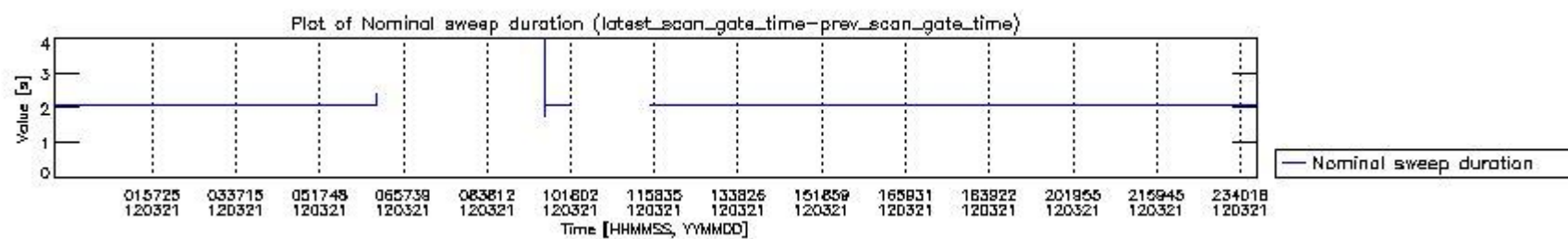
mipas_daily_report_level0_KSPT_L0_4504_N_20120321_1.PNG



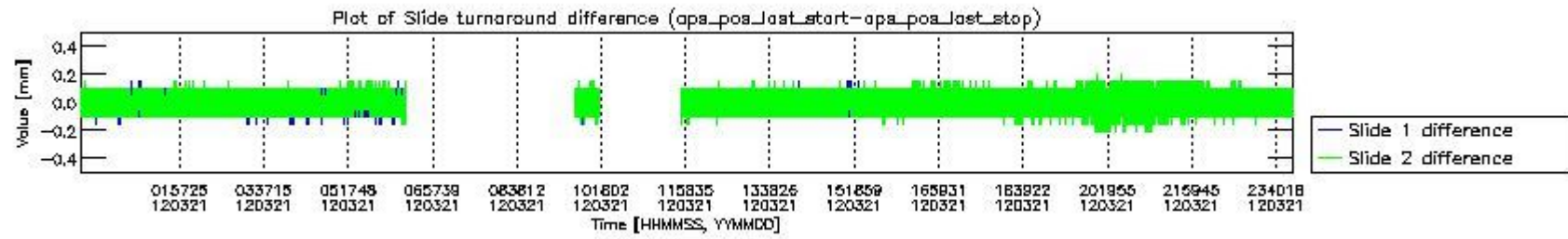
mipas_daily_report_level0_KSPT_L0_4504_N_20120321_2.PNG



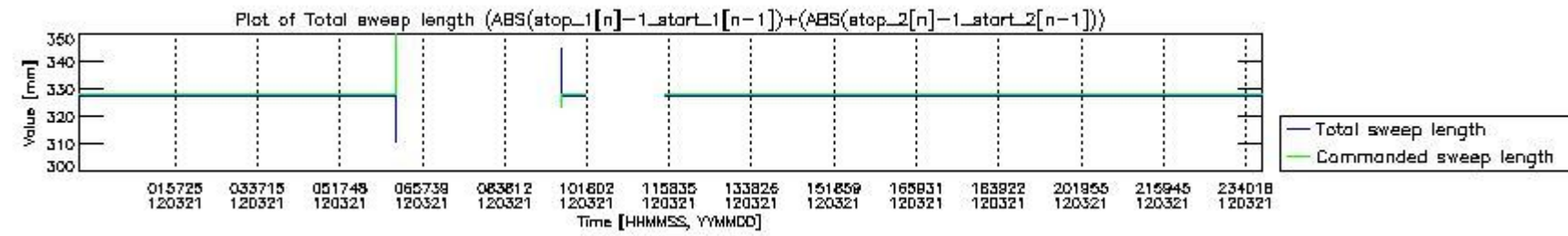
mipas_daily_report_level0_KSPT_L0_4504_N_20120321_3.PNG



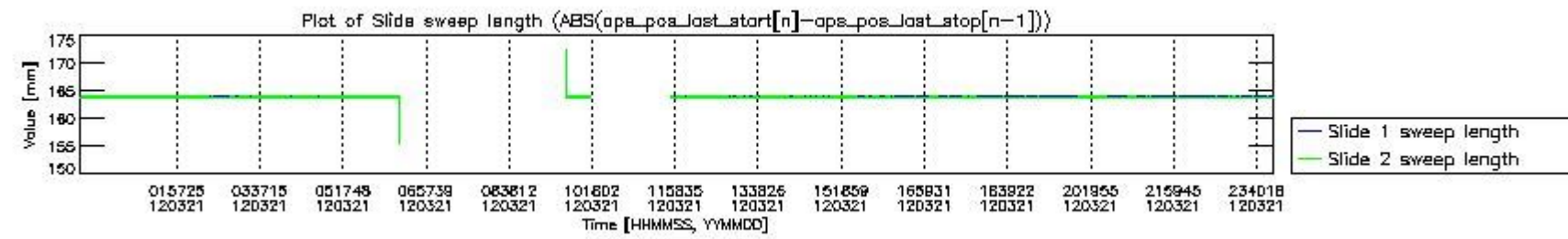
mipas_daily_report_level0_KSPT_L0_4504_N_20120321_4.PNG



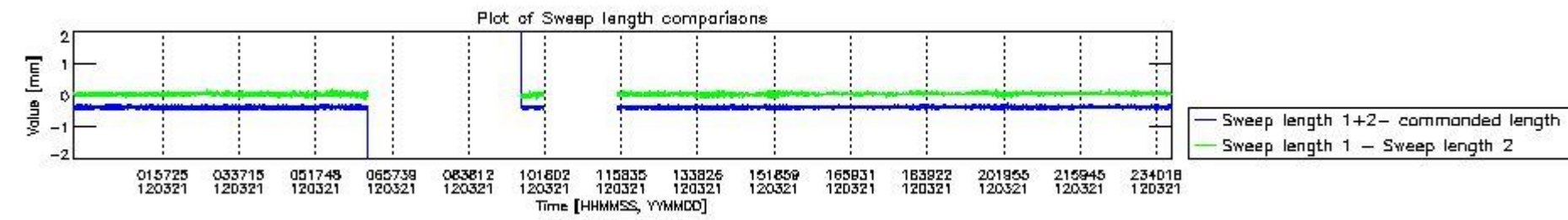
mipas_daily_report_level0_KSPT_L0_4504_N_20120321_5.PNG



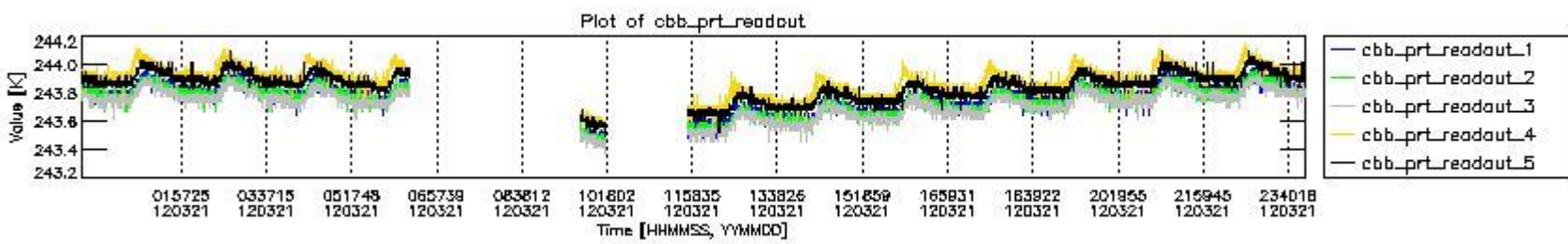
mipas_daily_report_level0_KSPT_L0_4504_N_20120321_6.PNG



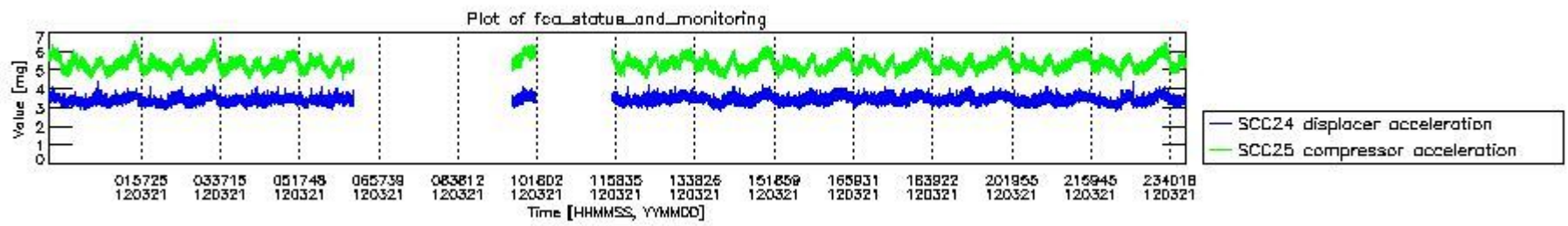
mipas_daily_report_level0_KSPT_L0_4504_N_20120321_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120321_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120321_9.PNG

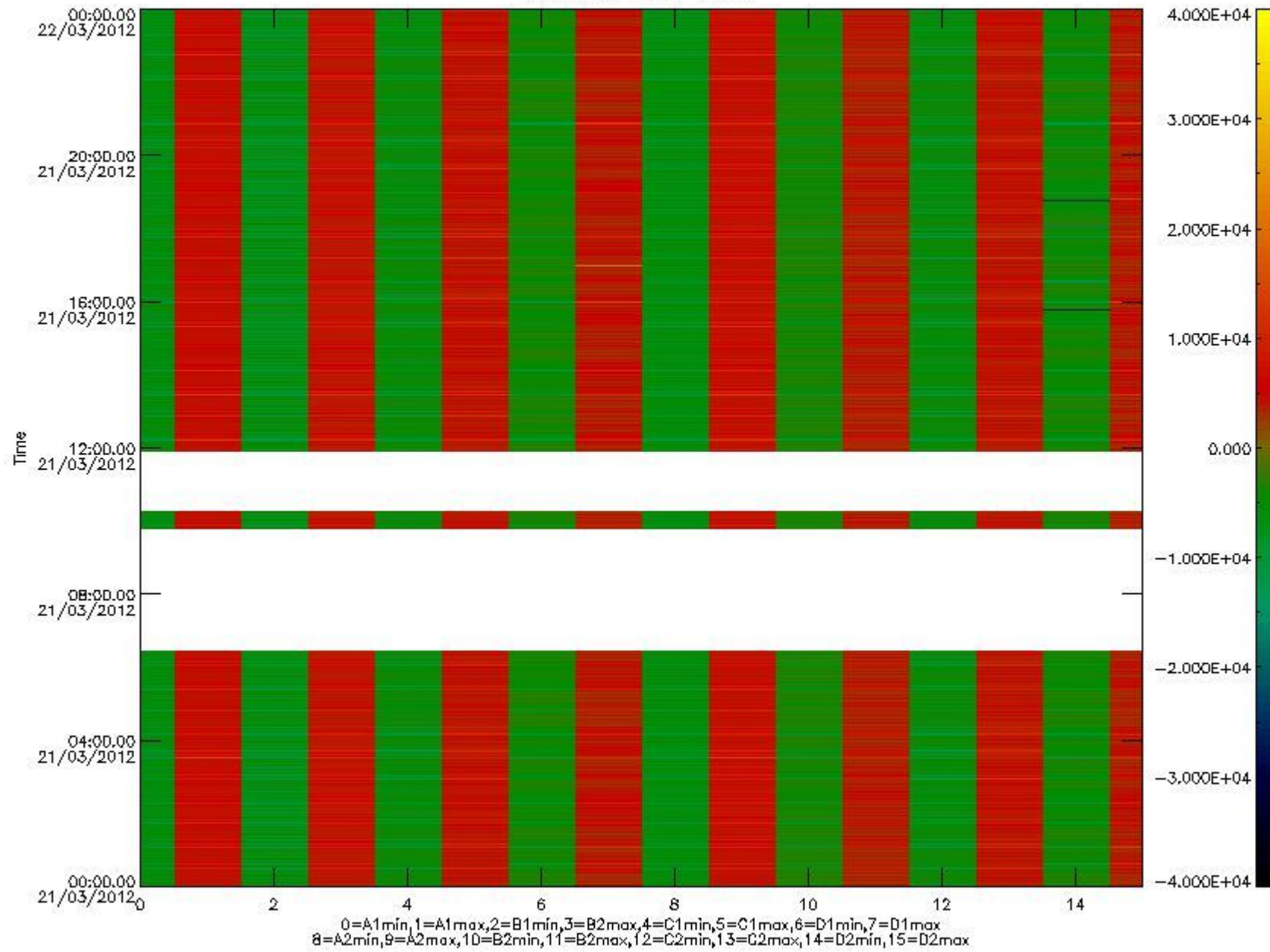


mipas_daily_report_level0_KSPT_L0_4504_N_20120321_10.PNG

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	-21259	21044	16bit
D1	-32768	32767	16bit
A2	-32768	28241	16bit
B2	-32768	32767	16bit
C2	-32768	21013	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_20120321_11.PNG

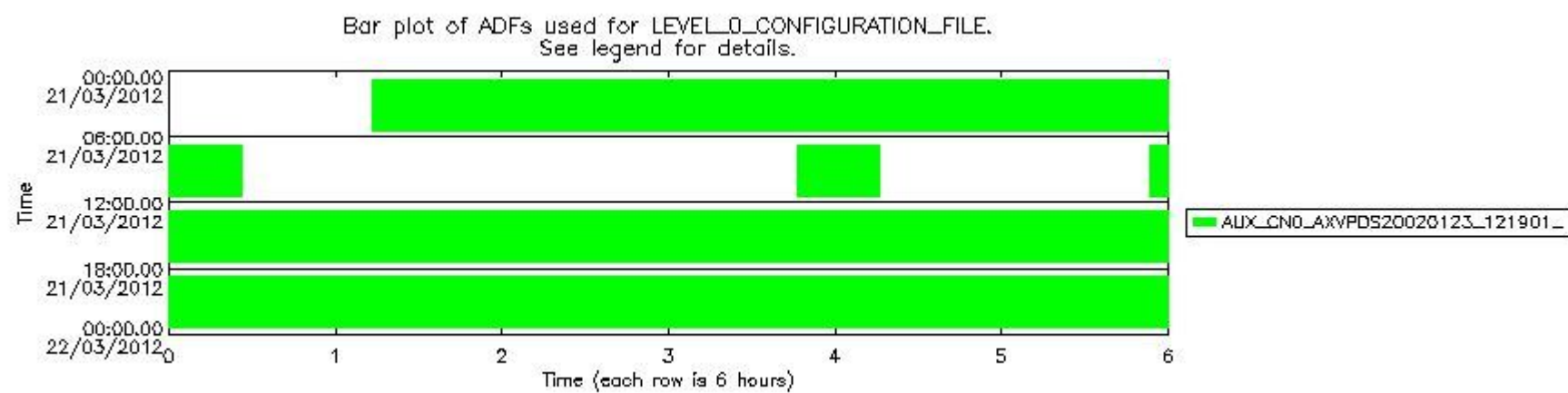
0.3 ADF monitoring

The use of ADFs is shown in two ways:

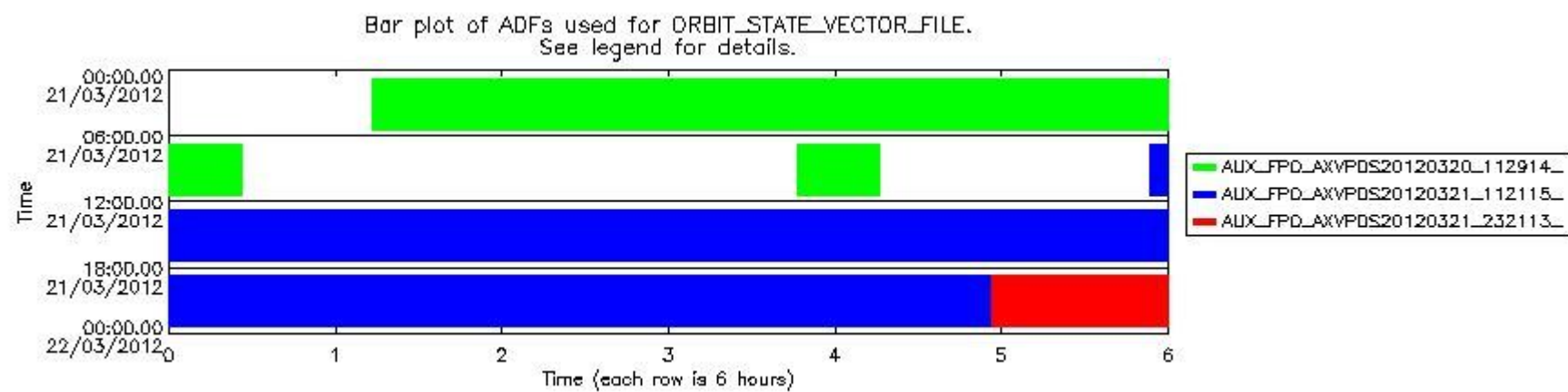
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120320_112914_20120319_192055_20120329_213435
2	AUX_FPO_AXVPDS20120321_112115_20120320_184410_20120330_205750
3	AUX_FPO_AXVPDS20120321_232113_20120321_194739_20120331_202105

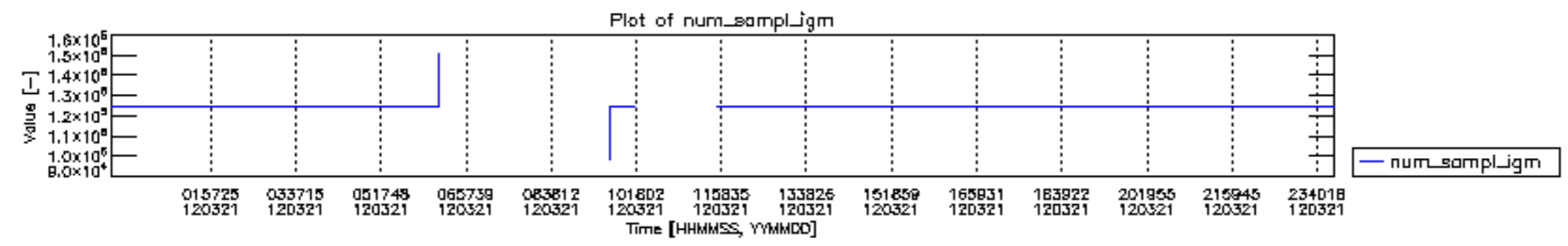
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120321_011318_000102723113_00002_52602_1263.N1	0	1
1	MIP_NL__0PNPDE20120321_040357_000062173113_00004_52604_1264.N1	0	1
2	MIP_NL__0PNPDE20120321_054700_000023613113_00005_52605_1265.N1	0	1
3	MIP_NL__0PNPDK20120321_094628_000017563113_00008_52608_8990.N1	0	1
4	MIP_NL__0PNPDK20120321_115311_000060313113_00009_52609_8992.N1	0	2
5	MIP_NL__0PNPDK20120321_133233_000058783113_00010_52610_8993.N1	0	2
6	MIP_NL__0PNPDK20120321_150851_000059163113_00011_52611_8994.N1	0	2
7	MIP_NL__0PNPDK20120321_164629_000059793113_00012_52612_8995.N1	0	2
8	MIP_NL__0PNPDK20120321_182509_000059623113_00013_52613_8996.N1	0	2
9	MIP_NL__0PNPDE20120321_200253_000041053113_00014_52614_1266.N1	0	2
10	MIP_NL__0PNPDE20120321_211011_000064553113_00014_52614_1267.N1	0	2
11	MIP_NL__0PNPDE20120321_225645_000061023113_00015_52615_1268.N1	0	3

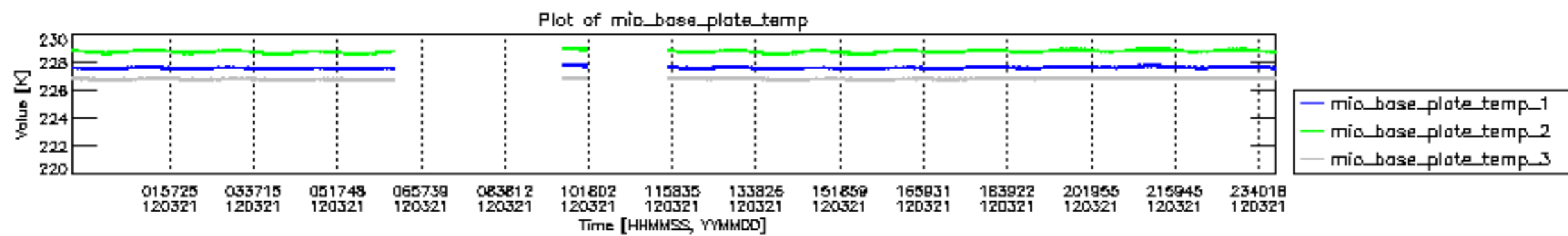


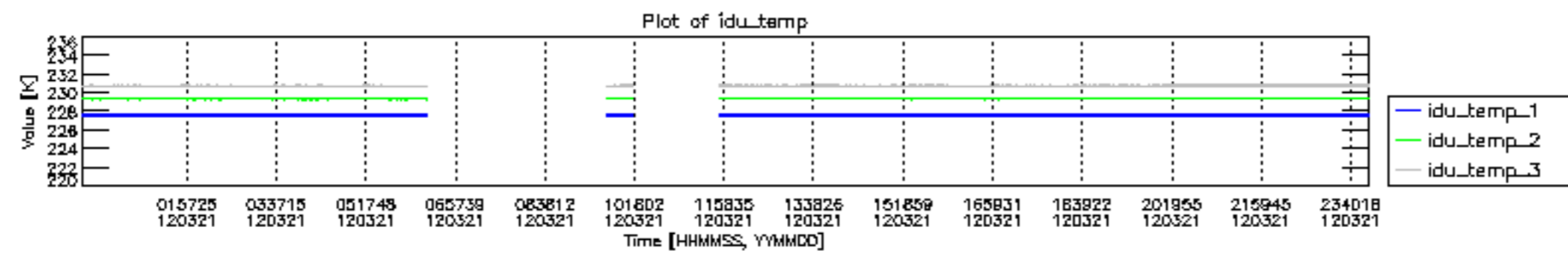
mipas_daily_report_level0_KSPT_L0_4504_N_20120321_12.PNG

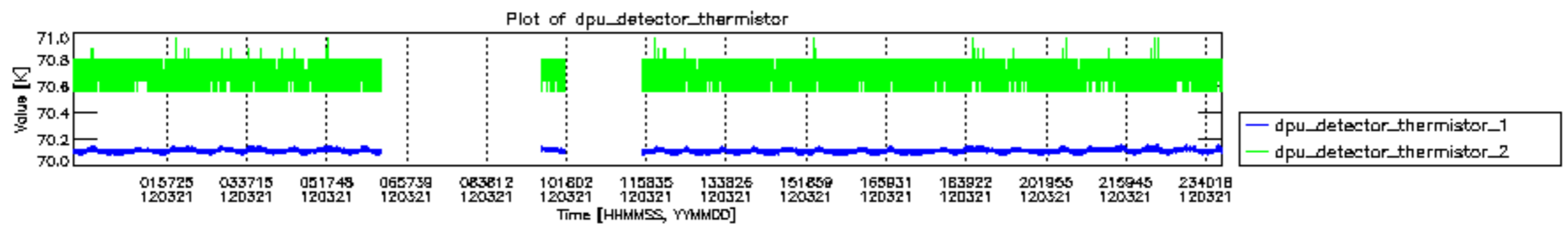


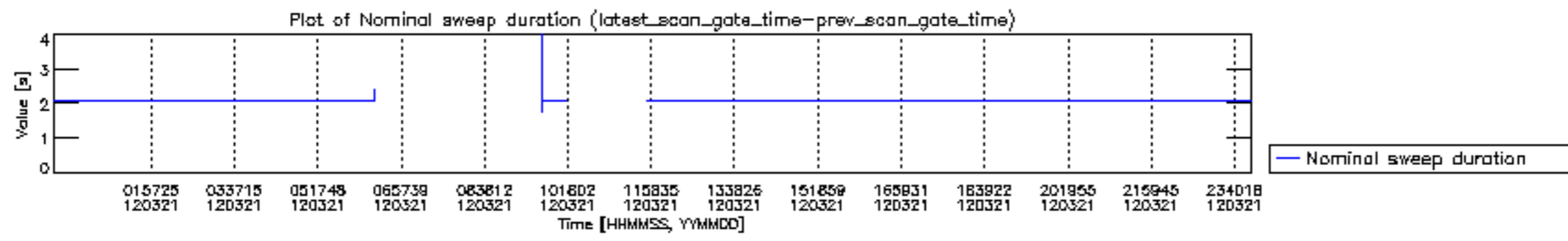
mipas_daily_report_level0_KSPT_L0_4504_N_20120321_13.PNG

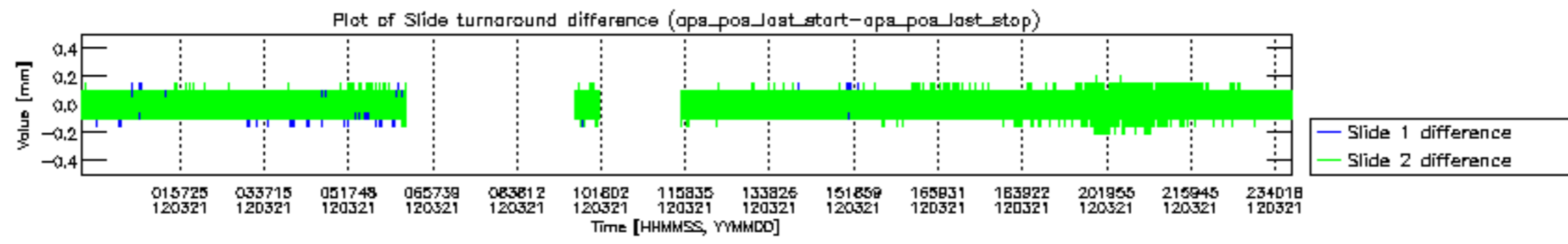


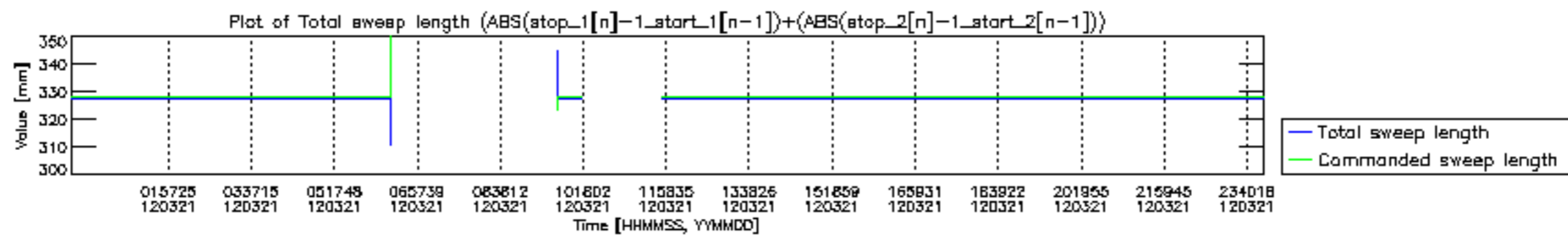


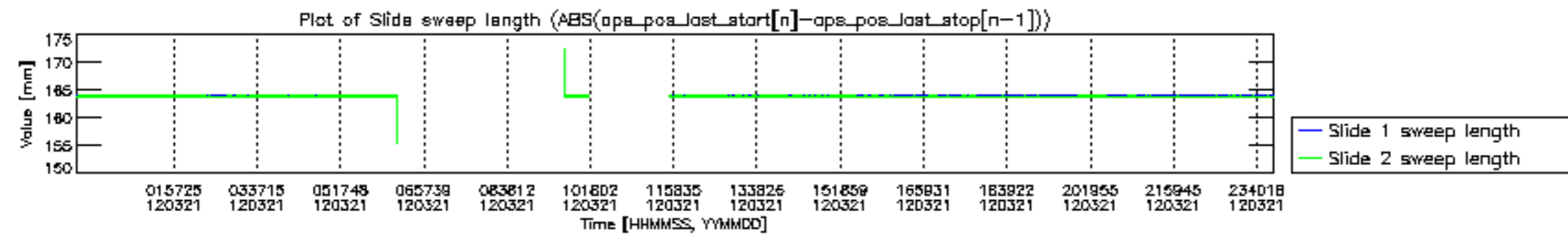


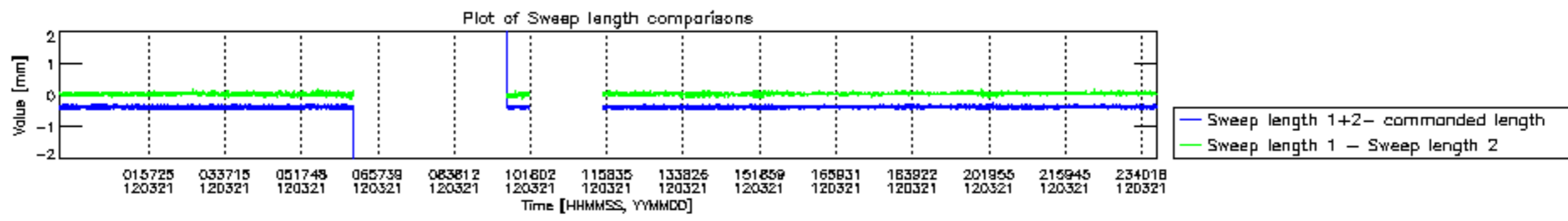


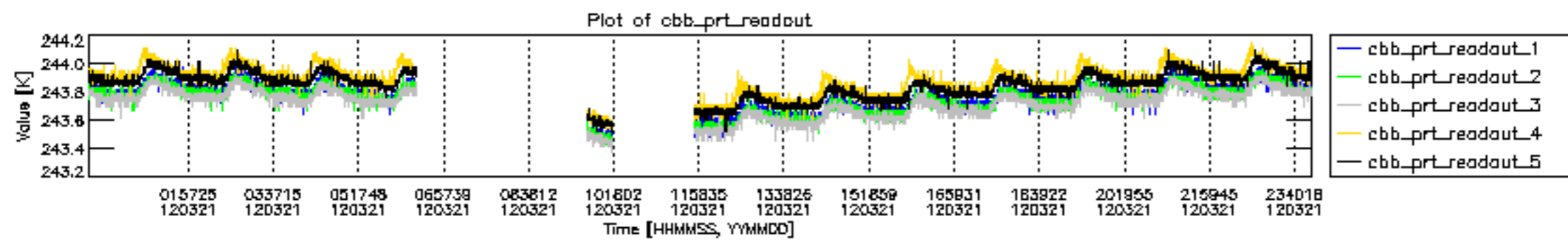


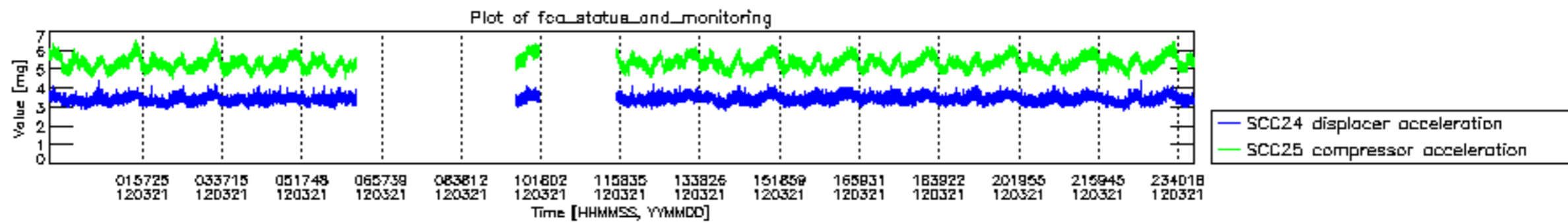












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

