

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	27MAR2012 05:24:39
Data source version	KSPT_L0/4504-N
Processing scope for products	22MAR2012 00:00:00 to 23MAR2012 00:00:00
Start time of first product within scope	22MAR2012 00:37:27
Stop time of last product within scope	23MAR2012 00:01:30
Total number of level 0 products	15
Number of level 0 products with errors	2

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__0PNPDE20120322_003727_000057893113_00016_52616_1269.N1	22MAR2012 00:37:27	22MAR2012 02:13:56	0	0	0	0	0
1	MIP_NL__0PNPDE20120322_021249_000045233113_00017_52617_1270.N1	22MAR2012 02:12:49	22MAR2012 03:28:12	0	0	0	0	0
2	MIP_NL__0PNPDE20120322_032738_000061693113_00018_52618_1271.N1	22MAR2012 03:27:38	22MAR2012 05:10:27	0	0	0	0	0
3	MIP_NL__0PNPDE20120322_050954_000060083113_00019_52619_1272.N1	22MAR2012 05:09:54	22MAR2012 06:50:02	0	0	0	0	0
4	MIP_NL__0PNPDK20120322_064928_000040993113_00020_52620_8997.N1	22MAR2012 06:49:28	22MAR2012 07:57:47	0	0	0	0	0
5	MIP_NL__0PNPDK20120322_075716_000061103113_00021_52621_8998.N1	22MAR2012 07:57:16	22MAR2012 09:39:06	0	0	0	0	0
6	MIP_NL__0PNPDK20120322_093824_000060003113_00022_52622_8999.N1	22MAR2012 09:38:24	22MAR2012 11:18:24	1	1	0	0	0
7	MIP_NL__0PNPDK20120322_111740_000059653113_00023_52623_9000.N1	22MAR2012 11:17:40	22MAR2012 12:57:05	1	1	0	0	0
8	MIP_NL__0PNPDK20120322_125631_000058143113_00024_52624_9001.N1	22MAR2012 12:56:31	22MAR2012 14:33:25	0	0	0	0	0
9	MIP_NL__0PNPDK20120322_143151_000060813113_00025_52625_9002.N1	22MAR2012 14:31:51	22MAR2012 16:13:12	0	0	0	0	0
10	MIP_NL__0PNPDK20120322_161134_000058353113_00026_52626_9003.N1	22MAR2012 16:11:34	22MAR2012 17:48:49	0	0	0	0	0
11	MIP_NL__0PNPDK20120322_174748_000059063113_00027_52627_9004.N1	22MAR2012 17:47:48	22MAR2012 19:26:14	0	0	0	0	0
12	MIP_NL__0PNPDK20120322_192538_000062443113_00028_52628_9005.N1	22MAR2012 19:25:38	22MAR2012 21:09:43	0	0	0	0	0
13	MIP_NL__0PNPDE20120322_210804_000042263113_00029_52629_1273.N1	22MAR2012 21:08:04	22MAR2012 22:18:30	0	0	0	0	0
14	MIP_NL__0PNPDE20120322_221728_000062423113_00029_52629_1274.N1	22MAR2012 22:17:28	23MAR2012 00:01:30	0	0	0	0	0

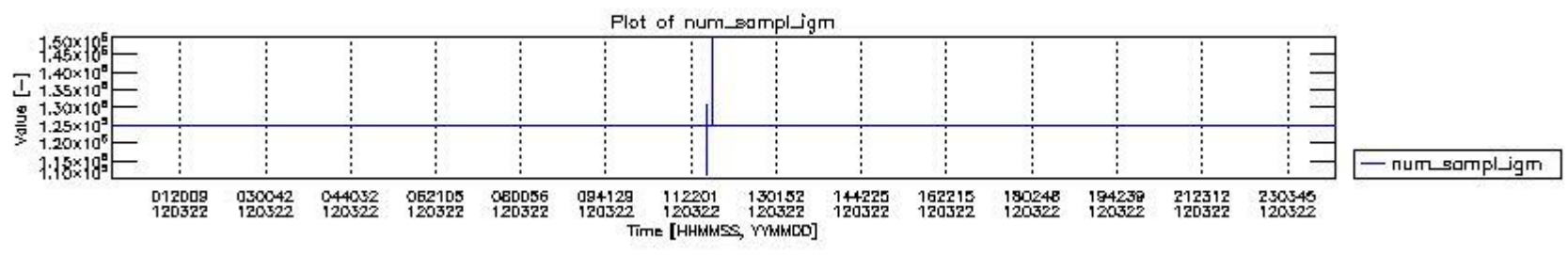
0.2 Instrument Operational Performance Parameters

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.

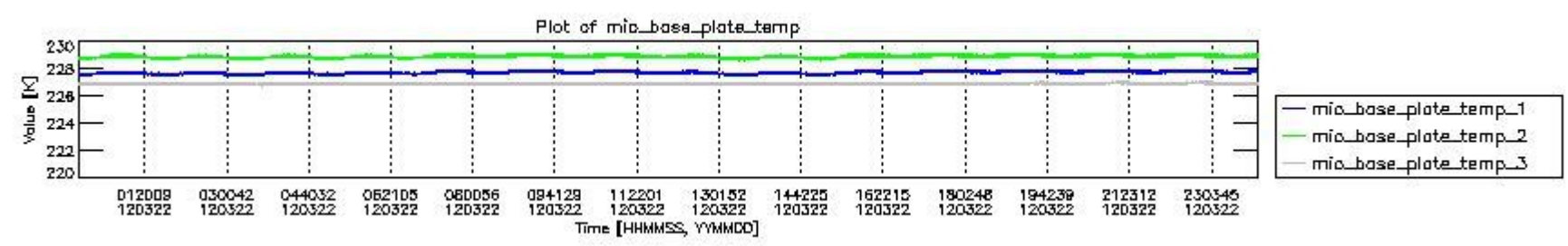
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
110804	1	0.0024015370
116940	1	0.0024015370
124800	38675	92.879443

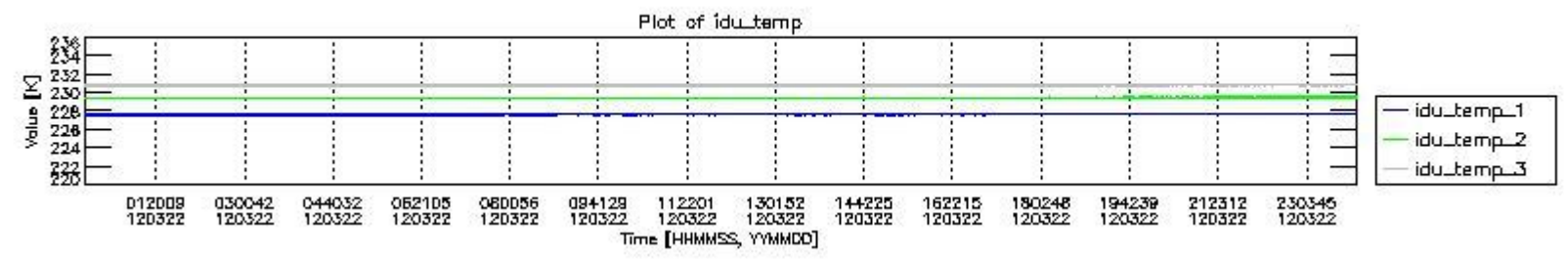
124803	2959	7.1061479
127233	1	0.0024015370
130936	1	0.0024015370
147365	1	0.0024015370
149798	1	0.0024015370



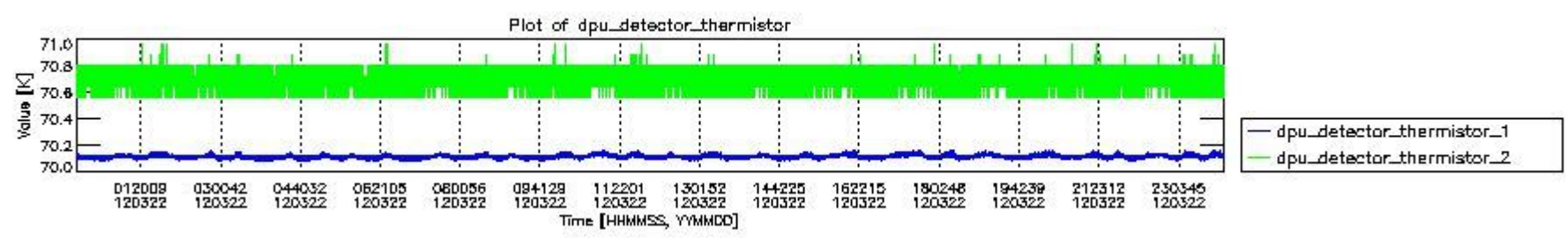
mipas_daily_report_level0_KSPT_L0_4504_N_20120322_0.PNG



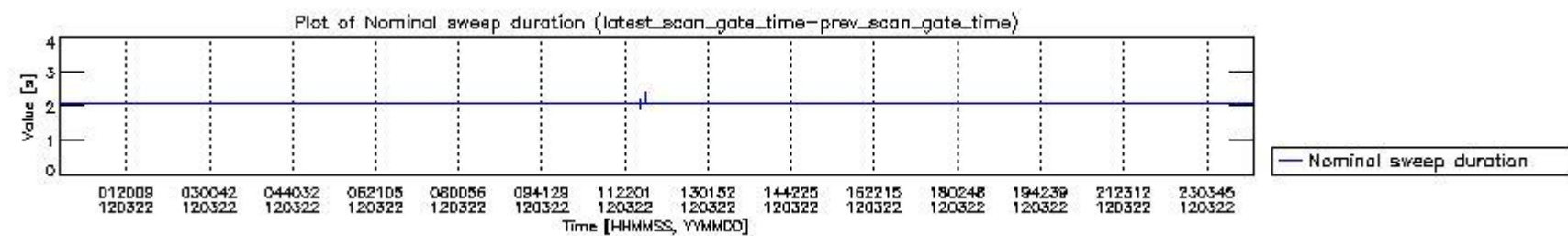
mipas_daily_report_level0_KSPT_L0_4504_N_20120322_1.PNG



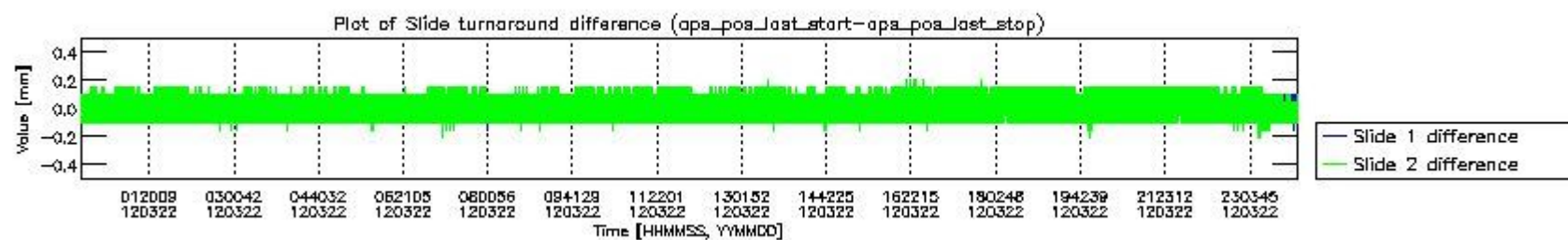
mipas_daily_report_level0_KSPT_L0_4504_N_20120322_2.PNG



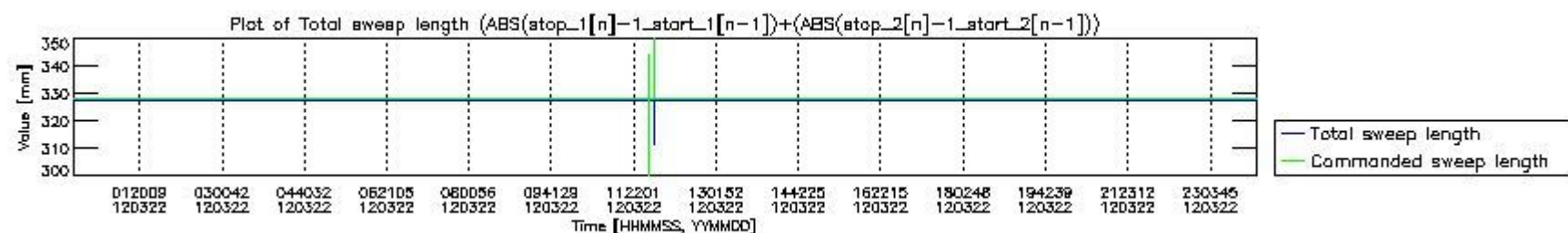
mipas_daily_report_level0_KSPT_L0_4504_N_20120322_3.PNG



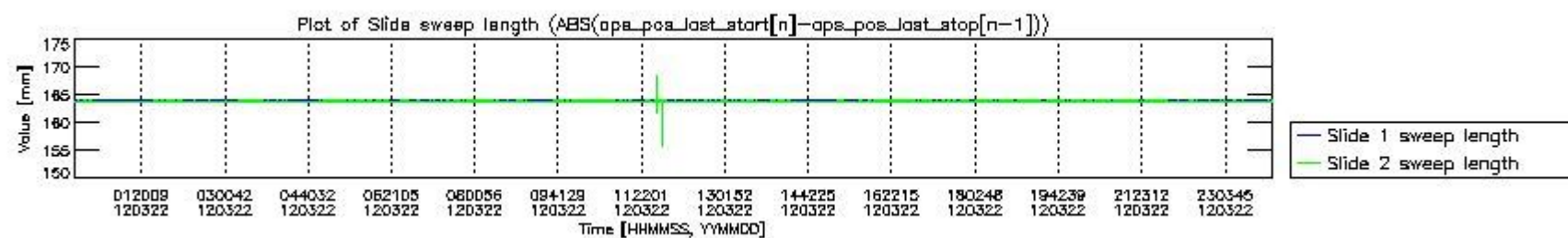
mipas_daily_report_level0_KSPT_L0_4504_N_20120322_4.PNG



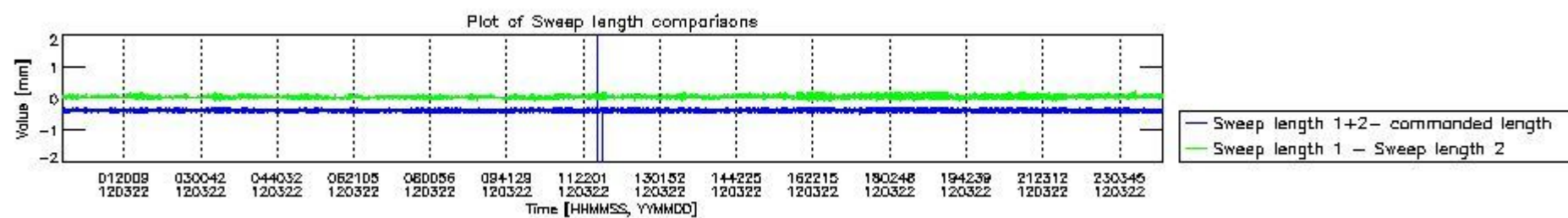
mipas_daily_report_level0_KSPT_L0_4504_N_20120322_5.PNG



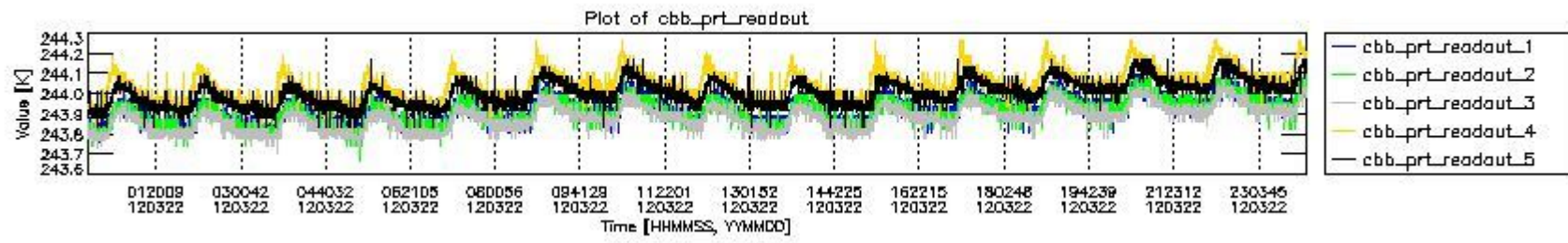
mipas_daily_report_level0_KSPT_L0_4504_N_20120322_6.PNG



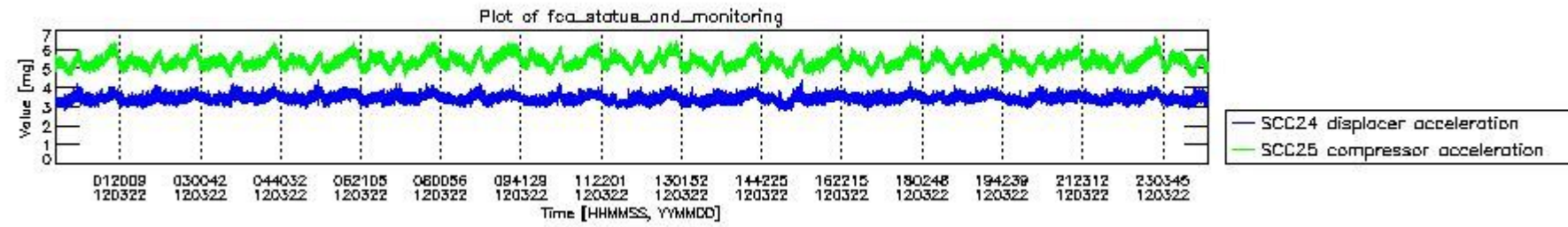
mipas_daily_report_level0_KSPT_L0_4504_N_20120322_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120322_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120322_9.PNG

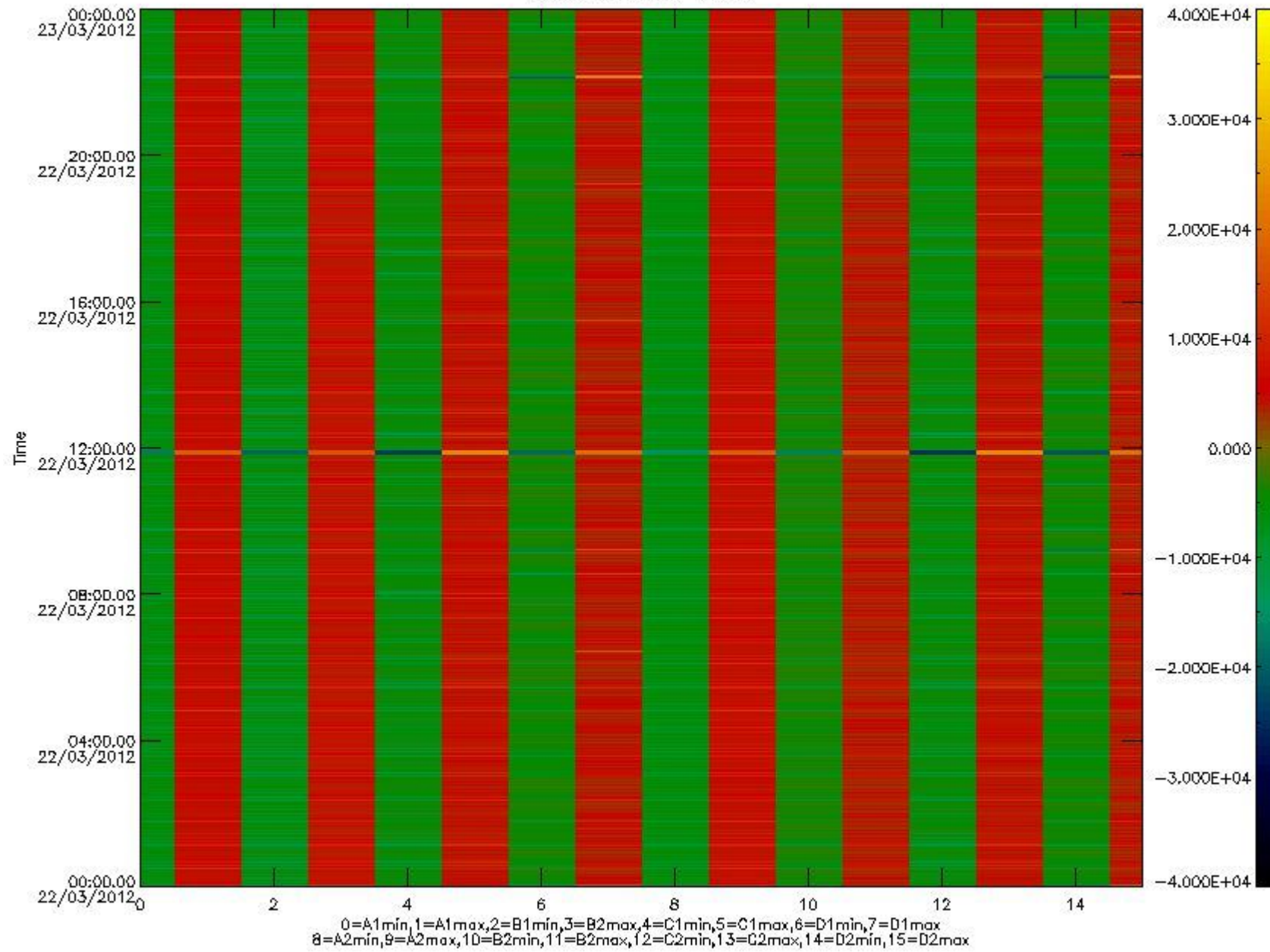


mipas_daily_report_level0_KSPT_L0_4504_N_20120322_10.PNG

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

Channel	Min	Max	ADC
A1	-17519	18442	16bit
B1	-19797	17124	16bit
C1	-24583	23862	16bit
D1	-32768	32767	16bit
A2	-15301	18729	16bit
B2	-17553	17307	16bit
C2	-24991	24572	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_20120322_11.PNG

0.3 ADF monitoring

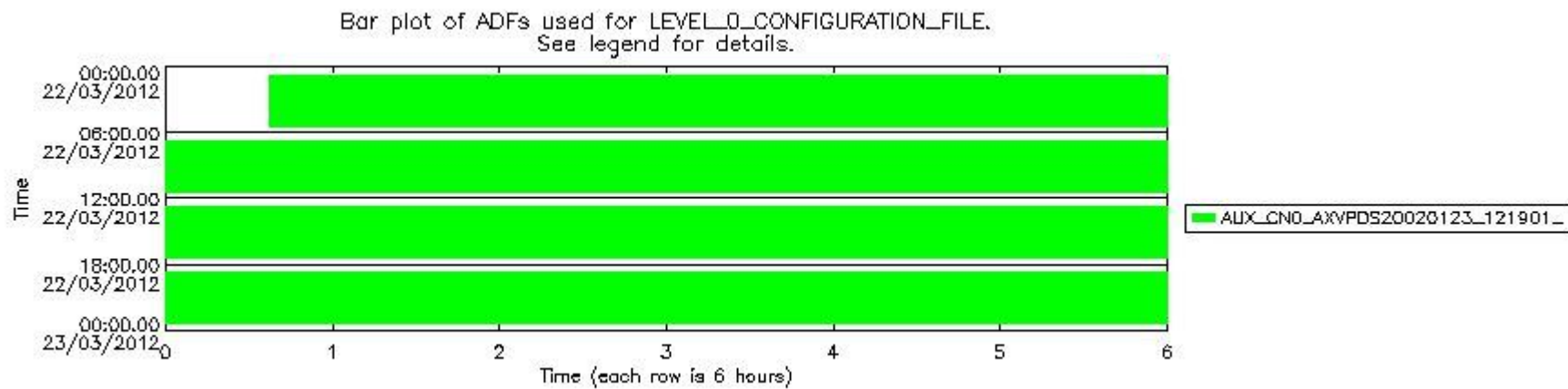
The use of ADFs is shown in two ways:

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.

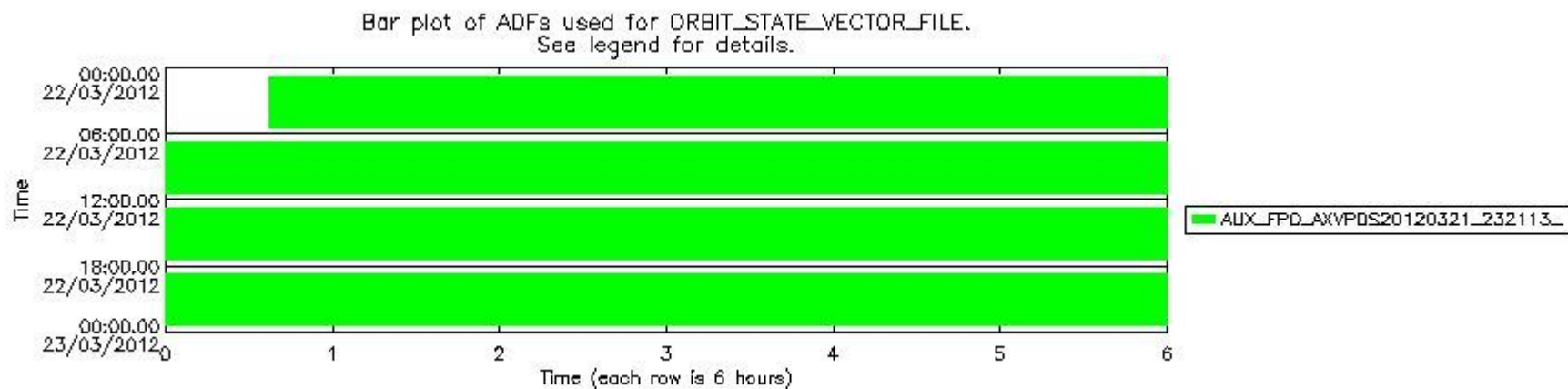
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120321_232113_20120321_194739_20120331_202105

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120322_003727_000057893113_00016_52616_1269.N1	0	1

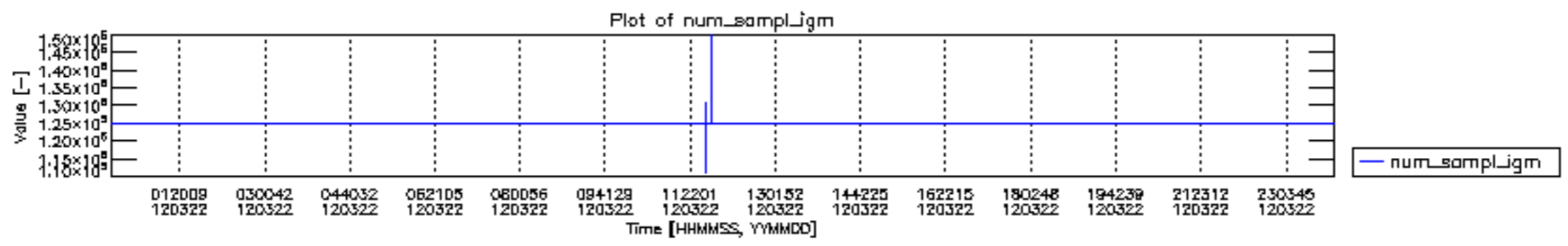
1	MIP_NL__0PNPDE20120322_021249_000045233113_00017_52617_1270.N1	0	1
2	MIP_NL__0PNPDE20120322_032738_000061693113_00018_52618_1271.N1	0	1
3	MIP_NL__0PNPDE20120322_050954_000060083113_00019_52619_1272.N1	0	1
4	MIP_NL__0PNPDK20120322_064928_000040993113_00020_52620_8997.N1	0	1
5	MIP_NL__0PNPDK20120322_075716_000061103113_00021_52621_8998.N1	0	1
6	MIP_NL__0PNPDK20120322_093824_000060003113_00022_52622_8999.N1	0	1
7	MIP_NL__0PNPDK20120322_111740_000059653113_00023_52623_9000.N1	0	1
8	MIP_NL__0PNPDK20120322_125631_000058143113_00024_52624_9001.N1	0	1
9	MIP_NL__0PNPDK20120322_143151_000060813113_00025_52625_9002.N1	0	1
10	MIP_NL__0PNPDK20120322_161134_000058353113_00026_52626_9003.N1	0	1
11	MIP_NL__0PNPDK20120322_174748_000059063113_00027_52627_9004.N1	0	1
12	MIP_NL__0PNPDK20120322_192538_000062443113_00028_52628_9005.N1	0	1
13	MIP_NL__0PNPDE20120322_210804_000042263113_00029_52629_1273.N1	0	1
14	MIP_NL__0PNPDE20120322_221728_000062423113_00029_52629_1274.N1	0	1

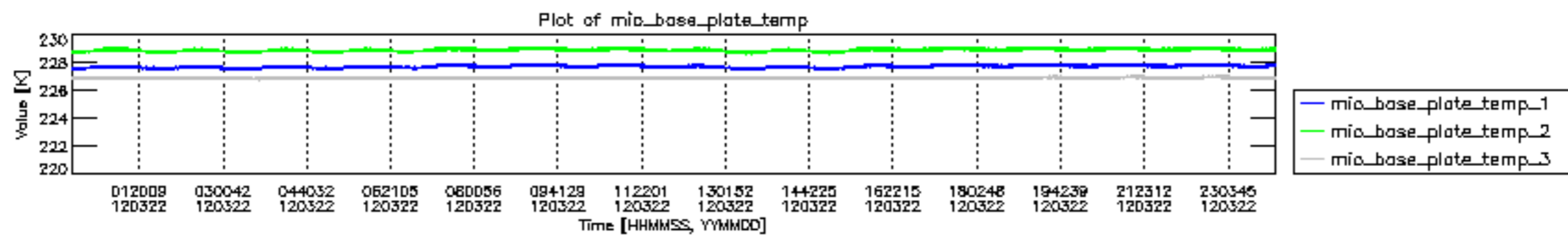


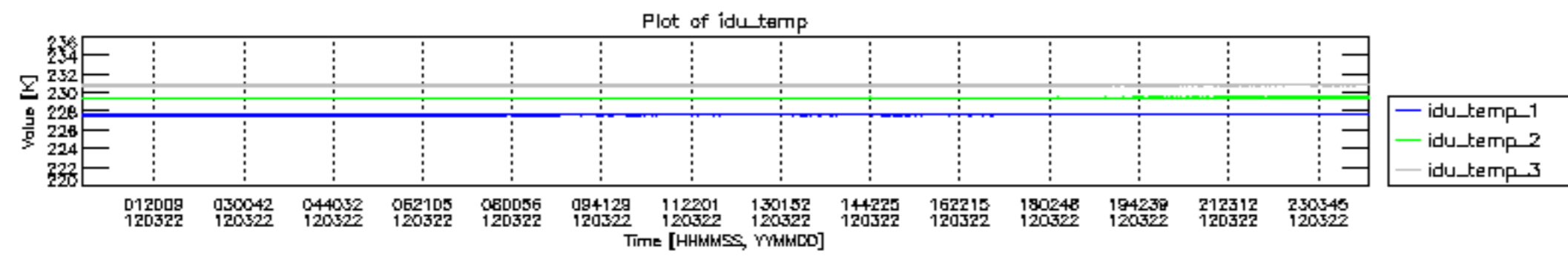
mipas_daily_report_level0_KSPT_L0_4504_N_20120322_12.PNG

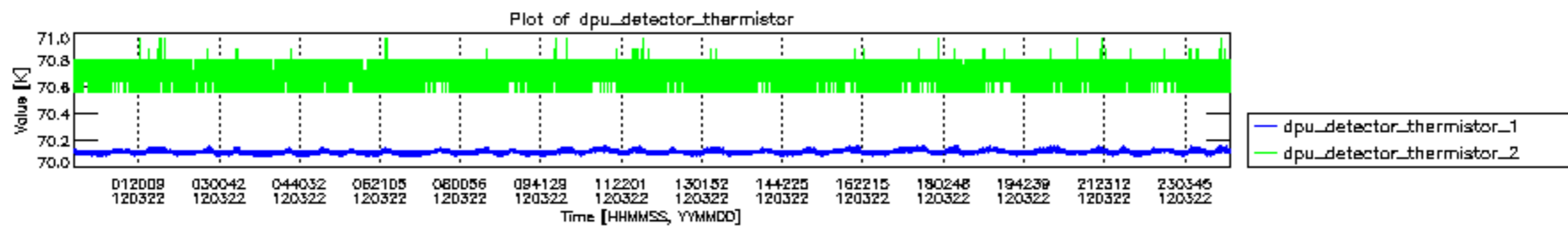


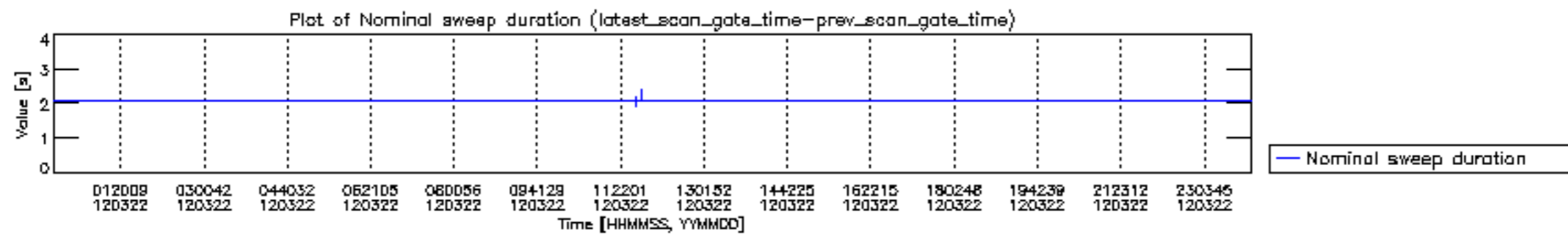
mipas_daily_report_level0_KSPT_L0_4504_N_20120322_13.PNG

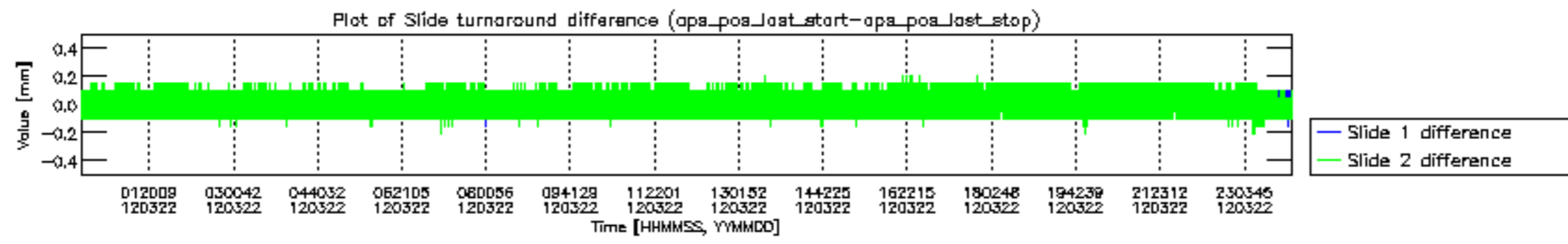


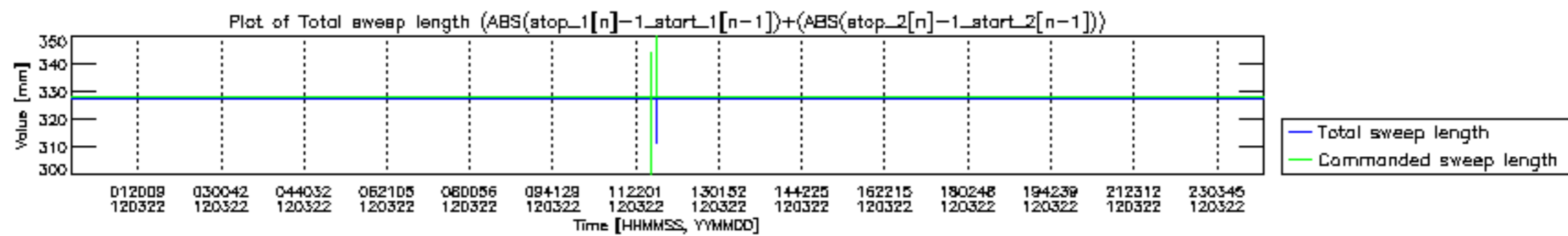


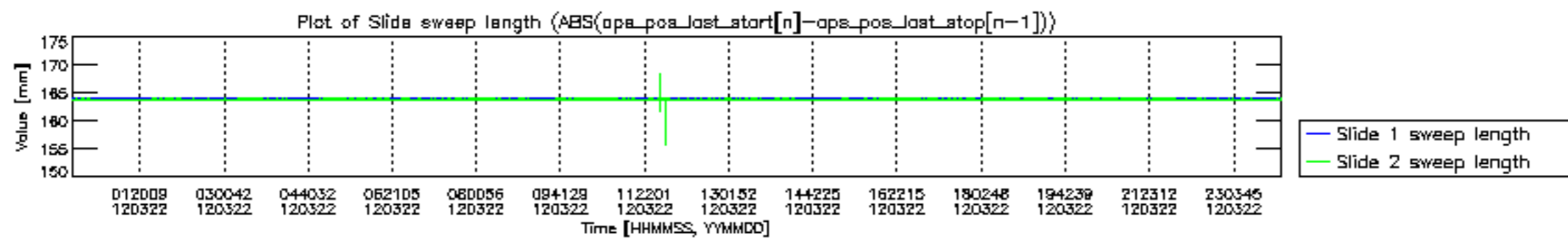


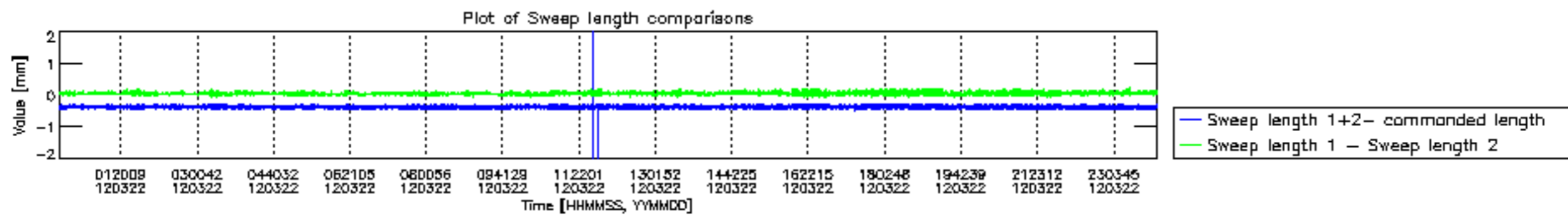


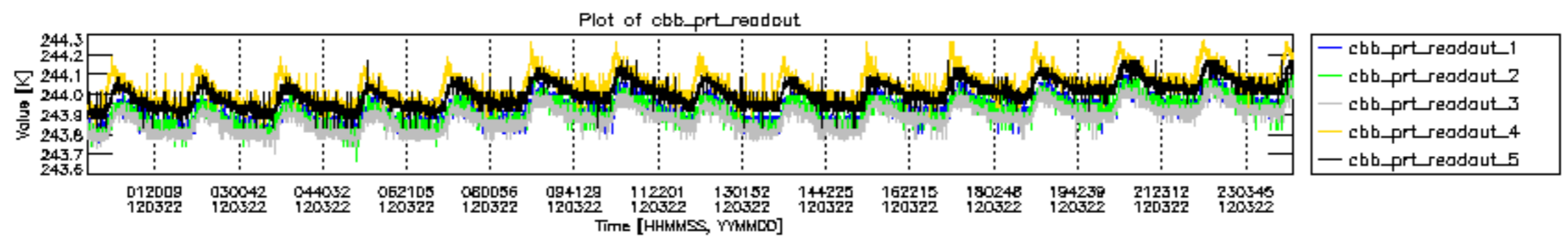


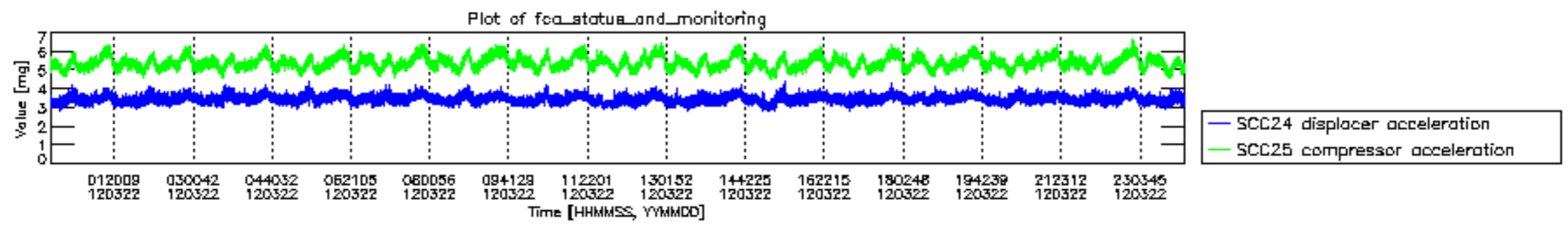












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

