

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	25JAN2012 12:19:24
Data source version	KSPT_L0/4504-N
Processing scope for products	20JAN2012 00:00:00 to 21JAN2012 00:00:00
Start time of first product within scope	20JAN2012 00:10:29
Stop time of last product within scope	20JAN2012 10:49:24
Total number of level 0 products	7
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.

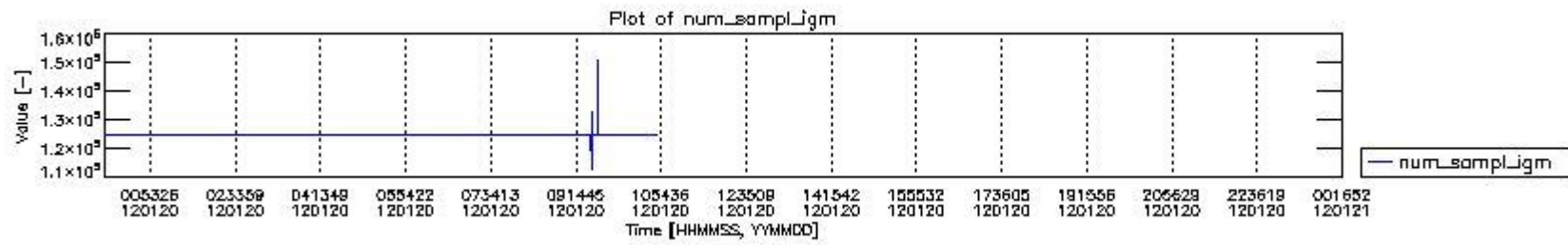
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120120_001029_000059373110_00418_51725_5387.N1	20JAN2012 00:10:29	20JAN2012 01:49:26	0	0	0	0	0
1	MIP_NL__0PNPDE20120120_014826_000043743110_00419_51726_5388.N1	20JAN2012 01:48:26	20JAN2012 03:01:20	0	0	0	0	0
2	MIP_NL__0PNPDE20120120_030046_000062003110_00420_51727_5389.N1	20JAN2012 03:00:46	20JAN2012 04:44:07	0	0	0	0	0
3	MIP_NL__0PNPDE20120120_044333_000060203110_00421_51728_5390.N1	20JAN2012 04:43:33	20JAN2012 06:23:53	0	0	0	0	0
4	MIP_NL__0PNPDK20120120_062320_000041303110_00422_51729_8316.N1	20JAN2012 06:23:20	20JAN2012 07:32:10	0	0	0	0	0
5	MIP_NL__0PNPDK20120120_073114_000061003110_00423_51730_8317.N1	20JAN2012 07:31:14	20JAN2012 09:12:53	0	0	0	0	0
6	MIP_NL__0PNPDK20120120_091115_000058893110_00424_51731_8318.N1	20JAN2012 09:11:15	20JAN2012 10:49:24	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

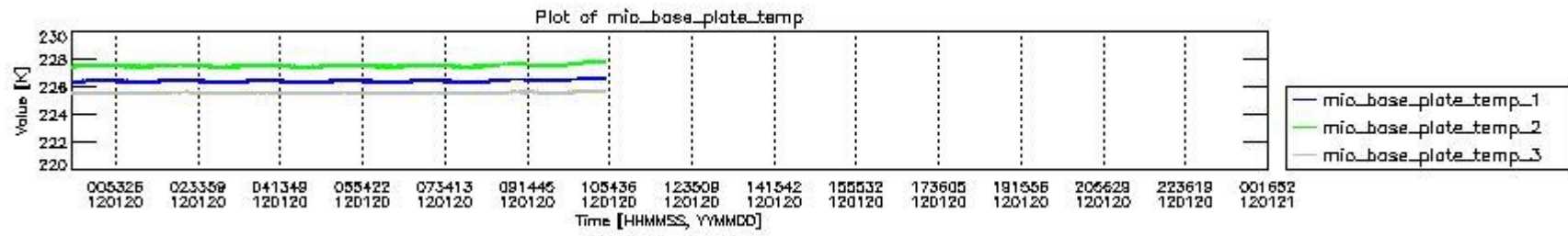
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

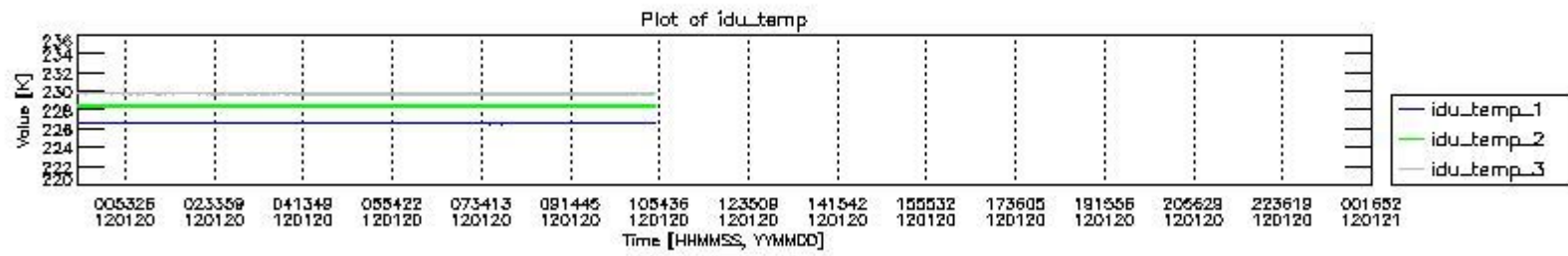
Number of igm samples	Count [#]	Count [%]
112662	1	0.0053341868
120656	1	0.0053341868
124800	17424	92.942871
124803	1317	7.0251240
127828	1	0.0053341868
132794	1	0.0053341868
147960	1	0.0053341868
150988	1	0.0053341868



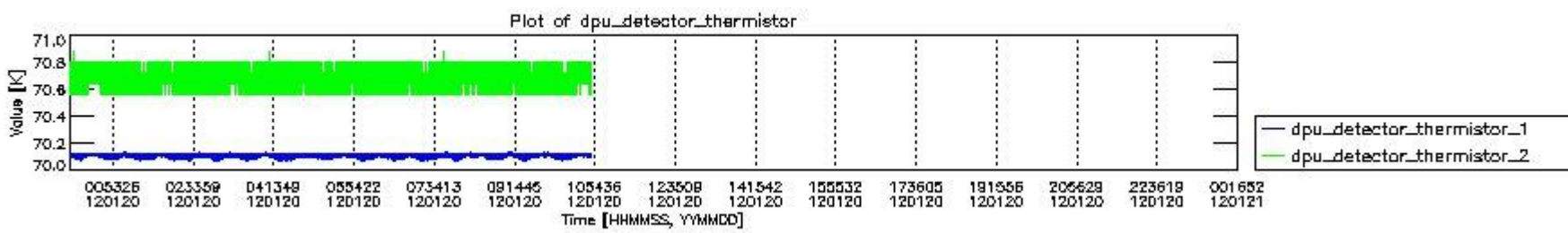
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_0.PNG



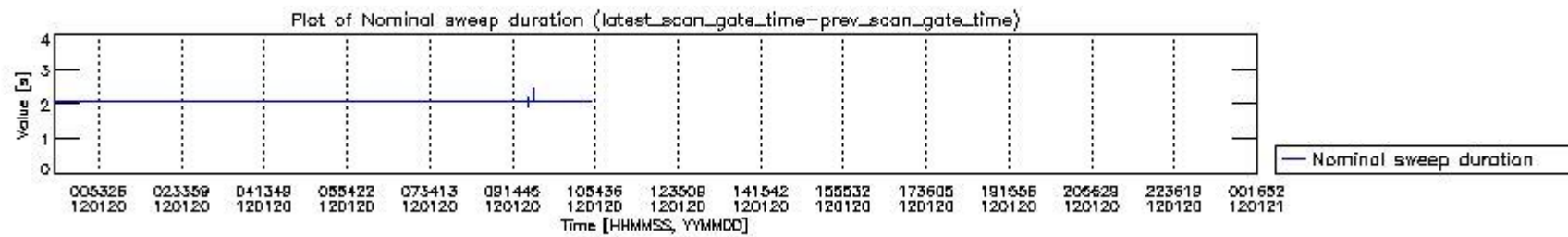
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_1.PNG



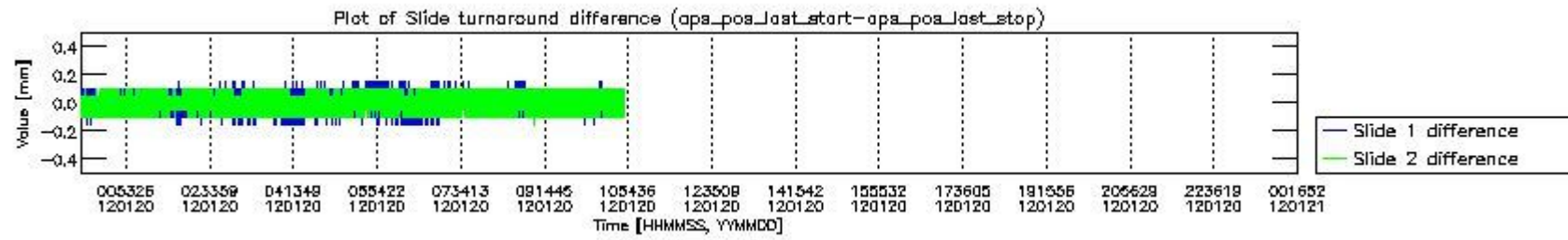
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_2.PNG



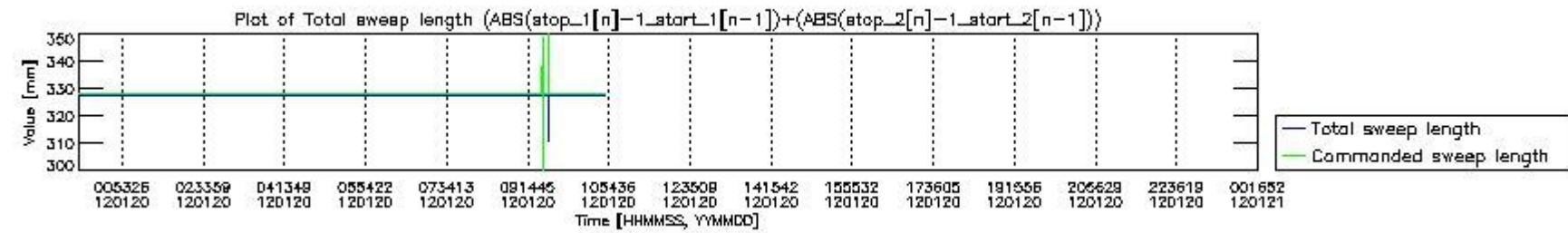
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_3.PNG



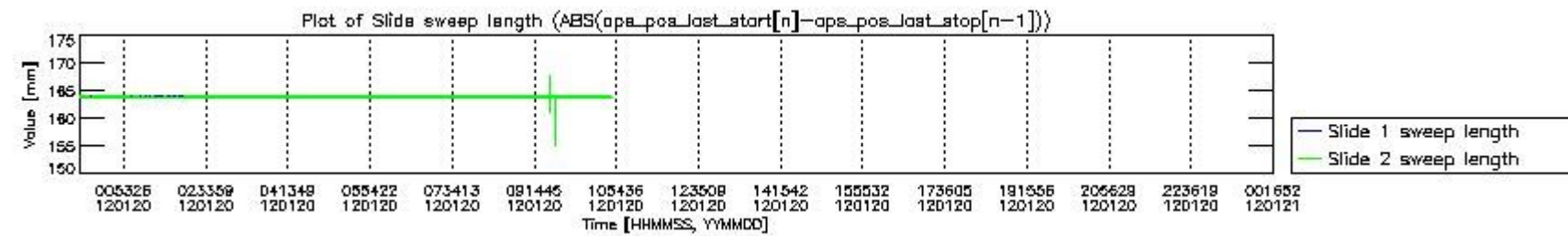
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_4.PNG



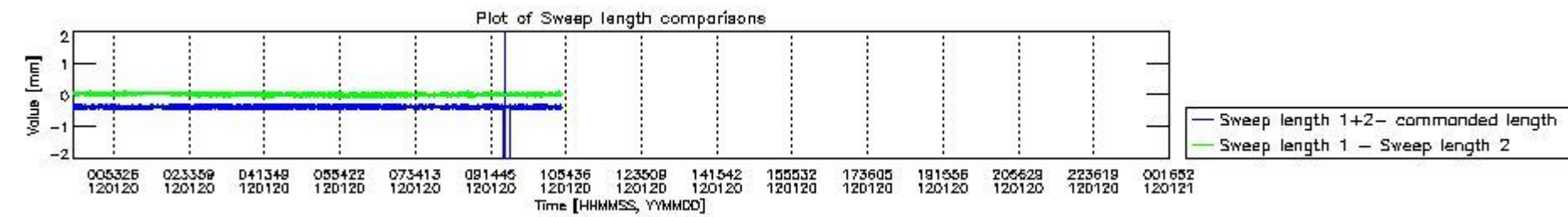
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_5.PNG



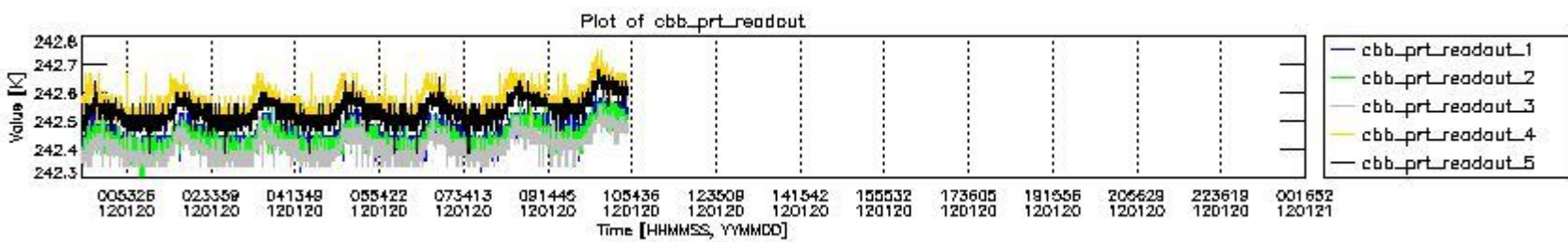
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_6.PNG



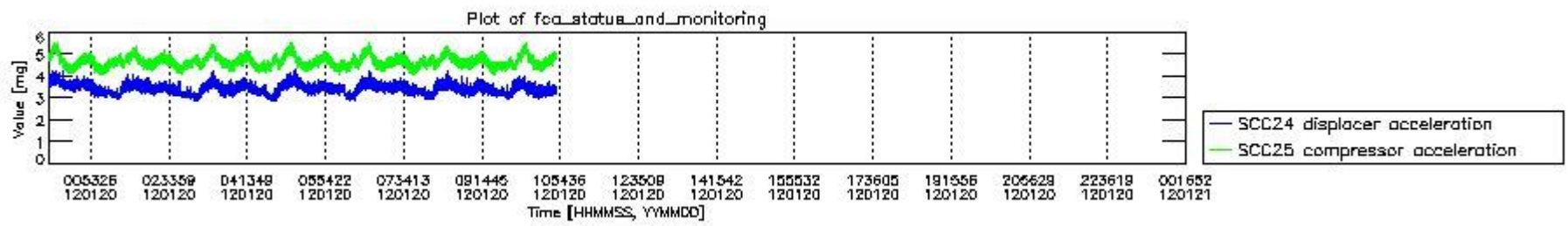
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120120_8.PNG



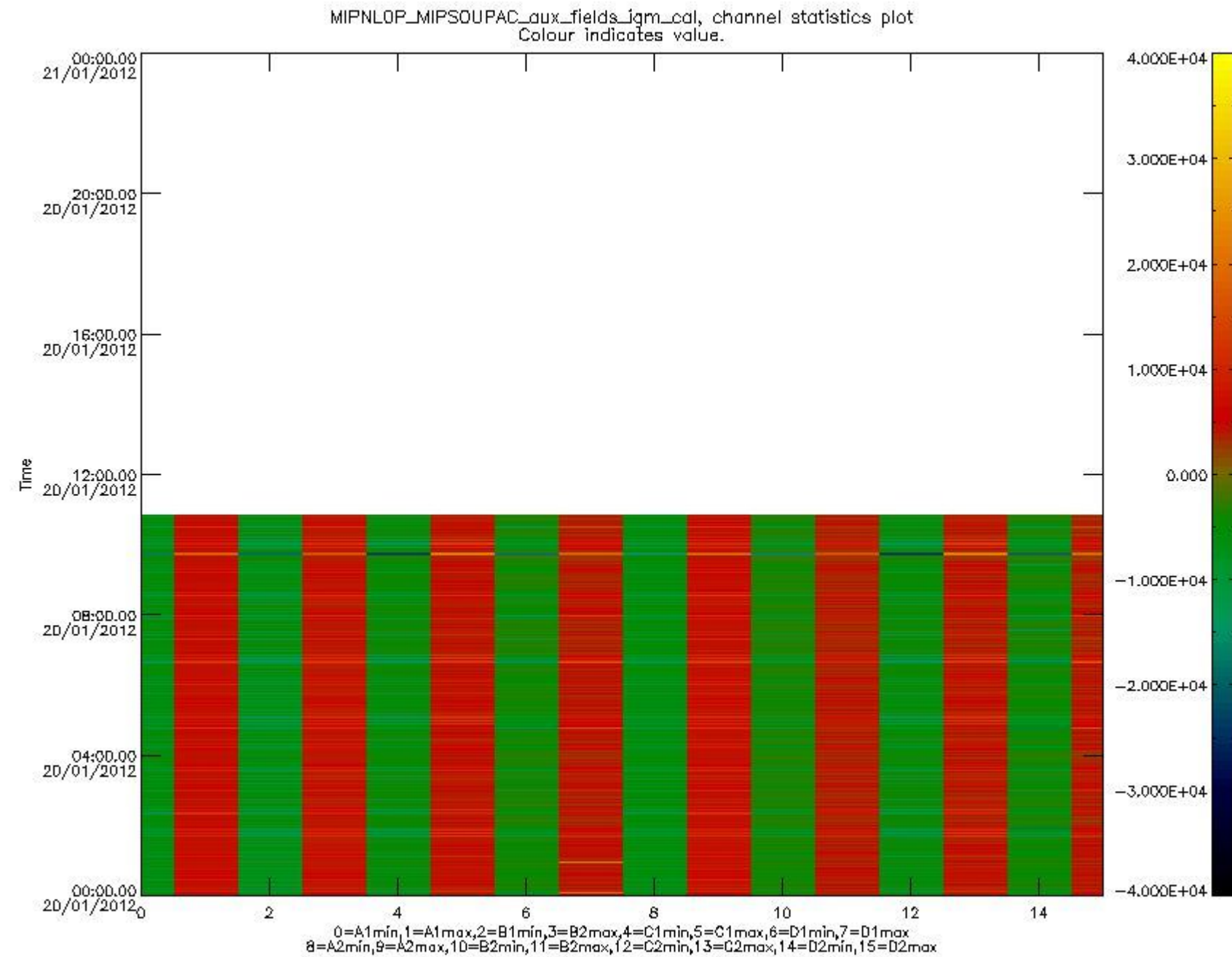
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_9.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120120_10.PNG

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

Channel	Min	Max	ADC
A1	-17475	18431	16bit
B1	-19284	16695	16bit
C1	-22752	22633	16bit
D1	-25837	32767	16bit
A2	-15216	18643	16bit
B2	-17067	16806	16bit
C2	-23707	23284	16bit
D2	-32768	29106	16bit



mipas_daily_report_level0_KSPT_L0_4504_N_20120120_11.PNG

0.3 ADF monitoring

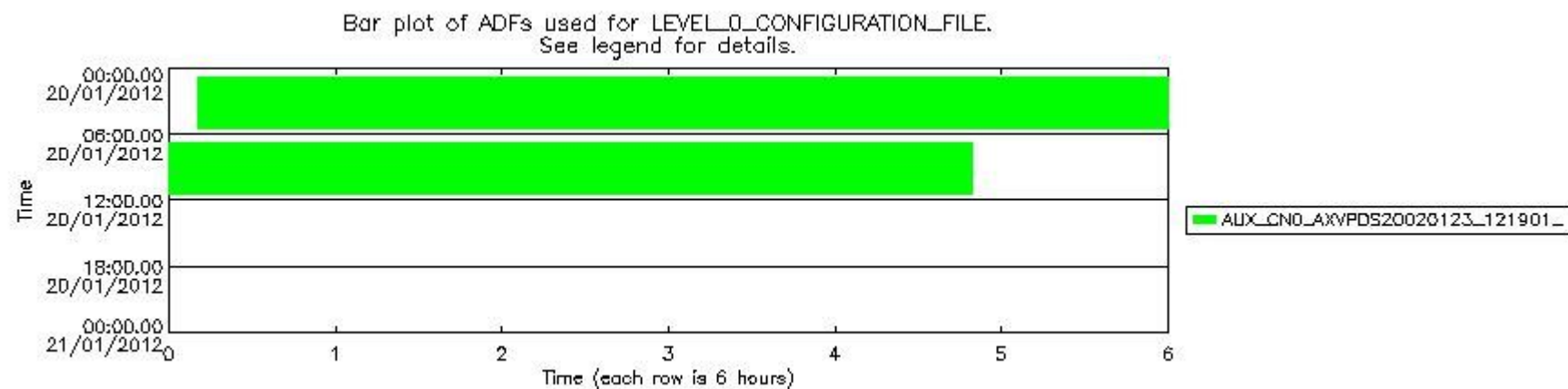
The use of ADFs is shown in two ways:

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.

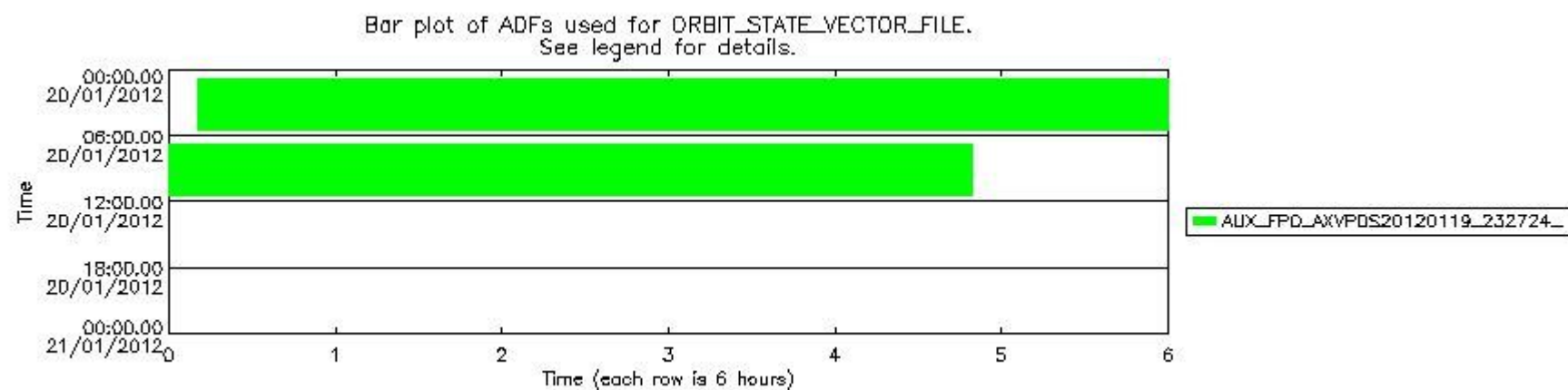
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120119_232724_20120119_192047_20120129_213426

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120120_001029_000059373110_00418_51725_5387.N1	0	1

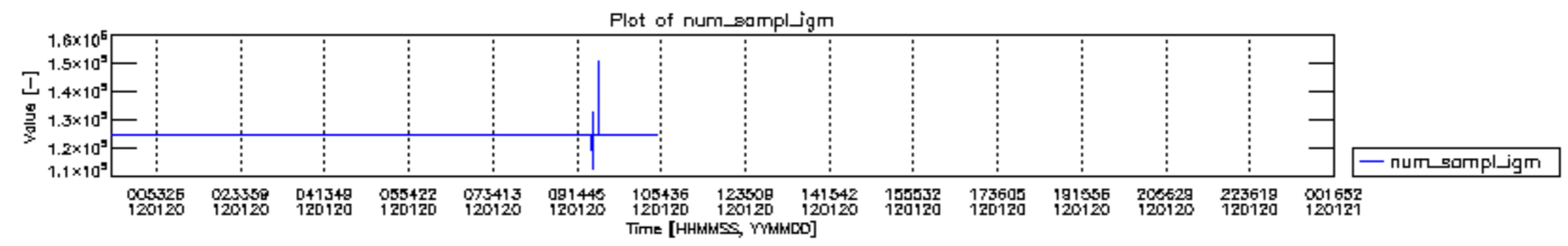
1	MIP_NL__0PNPDE20120120_014826_000043743110_00419_51726_5388.N1	0	1
2	MIP_NL__0PNPDE20120120_030046_000062003110_00420_51727_5389.N1	0	1
3	MIP_NL__0PNPDE20120120_044333_000060203110_00421_51728_5390.N1	0	1
4	MIP_NL__0PNPDK20120120_062320_000041303110_00422_51729_8316.N1	0	1
5	MIP_NL__0PNPDK20120120_073114_000061003110_00423_51730_8317.N1	0	1
6	MIP_NL__0PNPDK20120120_091115_000058893110_00424_51731_8318.N1	0	1

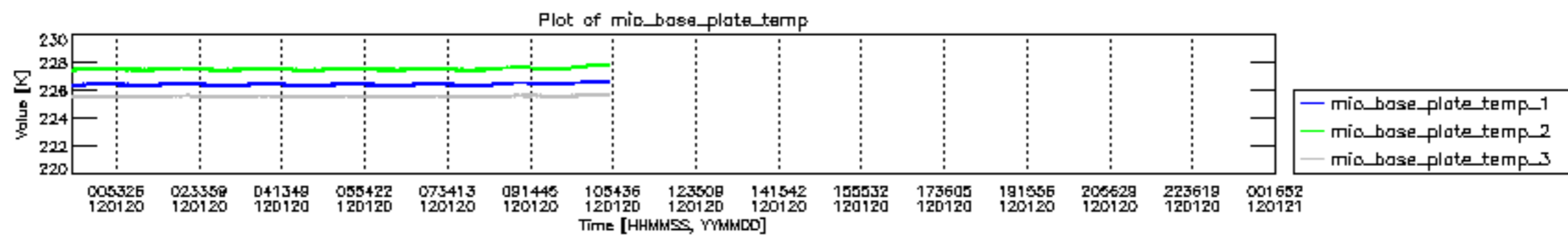


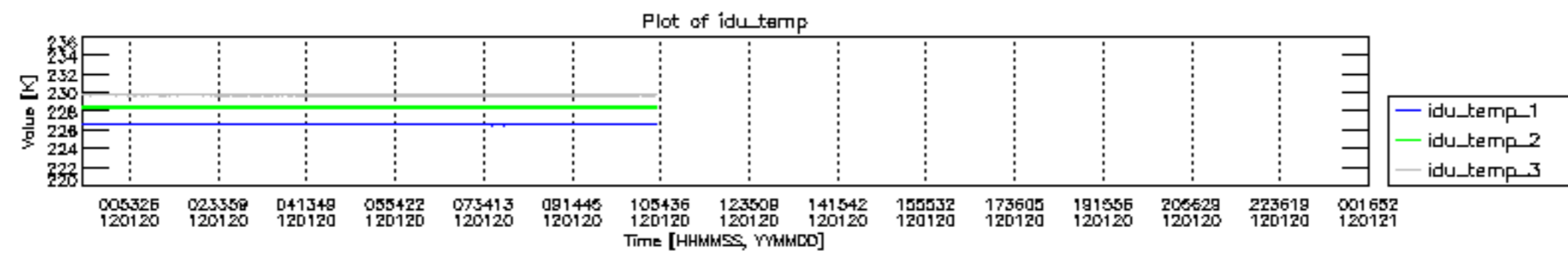
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_12.PNG

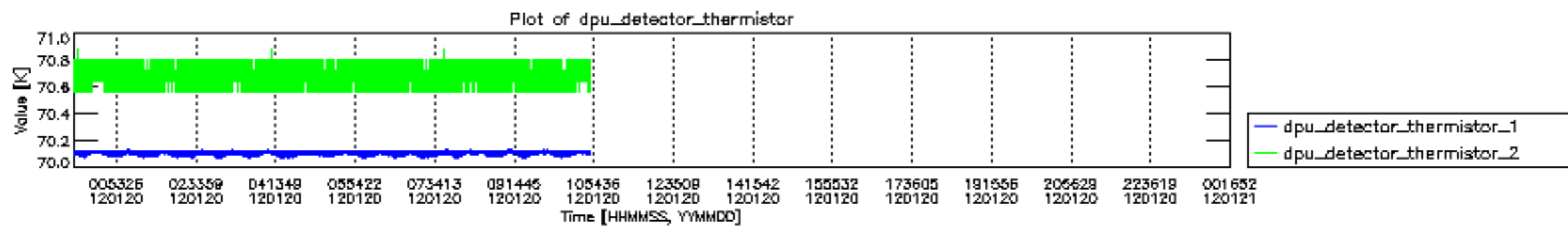


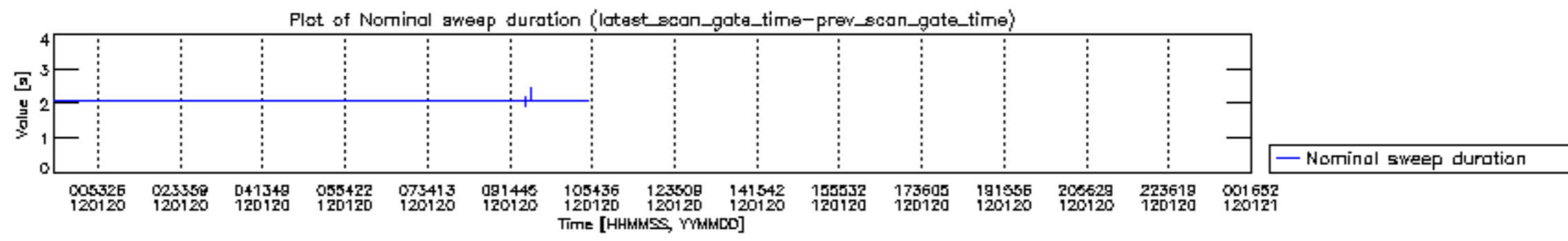
mipas_daily_report_level0_KSPT_L0_4504_N_20120120_13.PNG

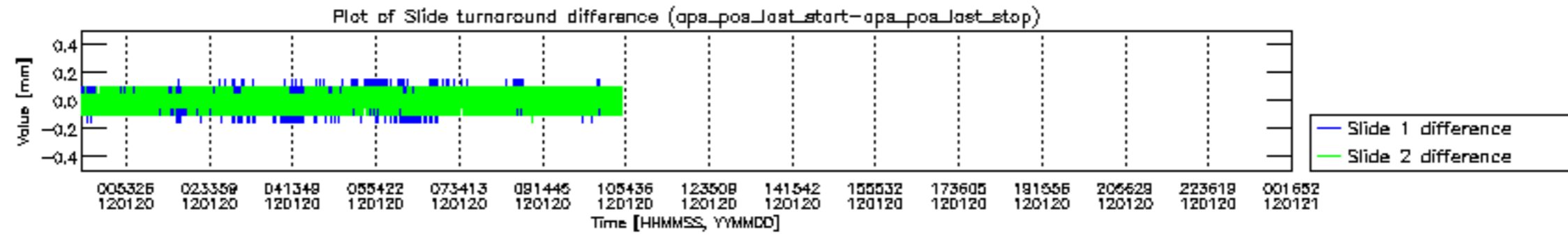


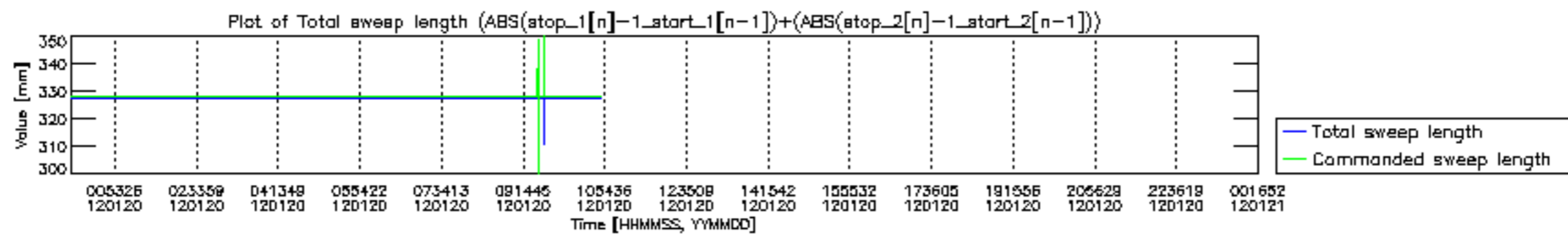


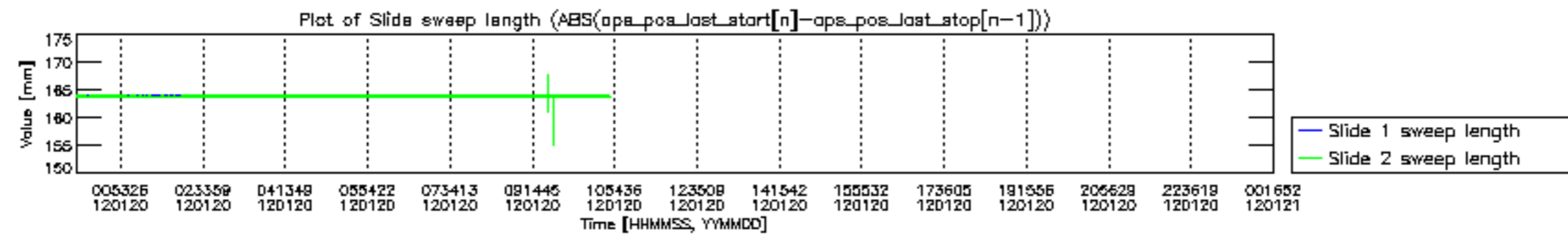


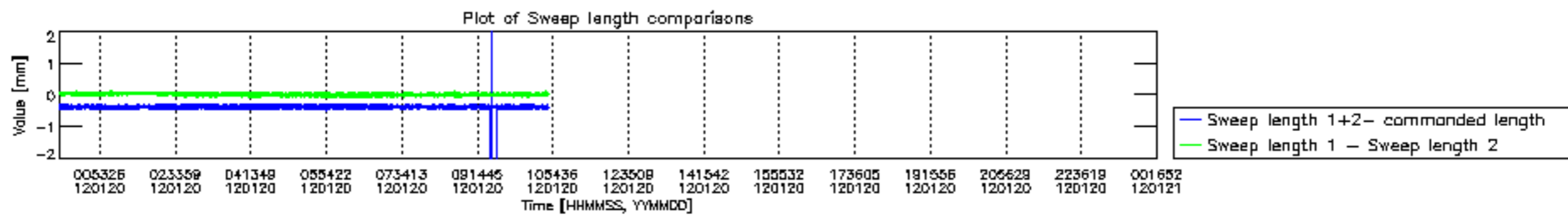


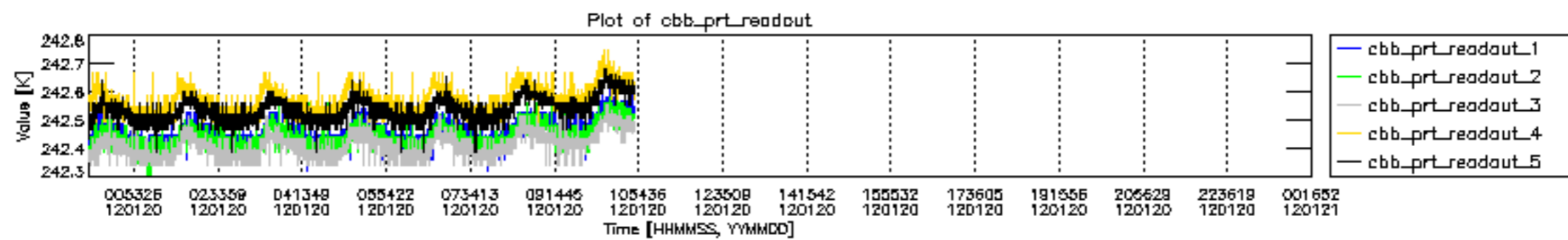


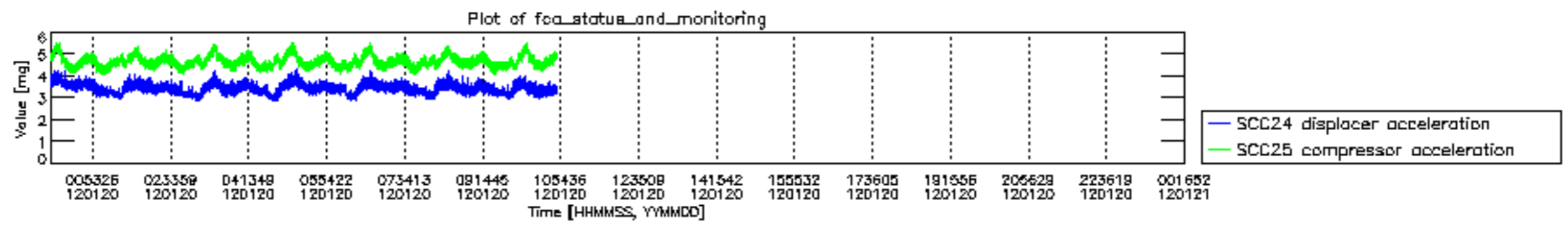












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

