

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	20JAN2012 05:24:53
Data source version	KSPT_L0/4504-N
Processing scope for products	15JAN2012 00:00:00 to 16JAN2012 00:00:00
Start time of first product within scope	15JAN2012 01:31:21
Stop time of last product within scope	16JAN2012 00:57:19
Total number of level 0 products	16
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__0PNPDE20120115_013121_000043773110_00347_51654_5350.N1	15JAN2012 01:31:21	15JAN2012 02:44:18	0	0	0	0	0
1	MIP_NL__0PNPDE20120115_015249_000030903110_00348_51655_5354.N1	15JAN2012 01:52:49	15JAN2012 02:44:18	0	0	0	0	0
2	MIP_NL__0PNPDE20120115_024345_000061713110_00348_51655_5351.N1	15JAN2012 02:43:45	15JAN2012 04:26:36	0	0	0	0	0
3	MIP_NL__0PNPDE20120115_042602_000060523110_00349_51656_5352.N1	15JAN2012 04:26:02	15JAN2012 06:06:54	0	0	0	0	0
4	MIP_NL__0PNPDK20120115_060621_000041633110_00350_51657_8270.N1	15JAN2012 06:06:21	15JAN2012 07:15:44	0	0	0	0	0
5	MIP_NL__0PNPDK20120115_071448_000060793110_00351_51658_8271.N1	15JAN2012 07:14:48	15JAN2012 08:56:06	0	0	0	0	0
6	MIP_NL__0PNPDK20120115_085510_000059683110_00352_51659_8272.N1	15JAN2012 08:55:10	15JAN2012 10:34:38	1	1	0	0	0
7	MIP_NL__0PNPDK20120115_103258_000061193110_00353_51660_8273.N1	15JAN2012 10:32:58	15JAN2012 12:14:57	0	0	0	0	0
8	MIP_NL__0PNPDK20120115_121356_000058893110_00354_51661_8274.N1	15JAN2012 12:13:56	15JAN2012 13:52:05	0	0	0	0	0
9	MIP_NL__0PNPDK20120115_135106_000059933110_00355_51662_8275.N1	15JAN2012 13:51:06	15JAN2012 15:31:00	0	0	0	0	0
10	MIP_NL__0PNPDK20120115_153003_000058953110_00356_51663_8276.N1	15JAN2012 15:30:03	15JAN2012 17:08:18	0	0	0	0	0
11	MIP_NL__0PNPDK20120115_170724_000058913110_00357_51664_8277.N1	15JAN2012 17:07:24	15JAN2012 18:45:35	0	0	0	0	0
12	MIP_NL__0PNPDK20120115_184432_000060373110_00358_51665_8278.N1	15JAN2012 18:44:32	15JAN2012 20:25:09	0	0	0	0	0
13	MIP_NL__0PNPDE20120115_202304_000043623110_00359_51666_5355.N1	15JAN2012 20:23:04	15JAN2012 21:35:46	0	0	0	0	0
14	MIP_NL__0PNPDE20120115_213449_000061163110_00359_51666_5356.N1	15JAN2012 21:34:49	15JAN2012 23:16:46	0	0	0	0	0
15	MIP_NL__0PNPDE20120115_231539_000061003110_00360_51667_5357.N1	15JAN2012 23:15:39	16JAN2012 00:57:19	0	0	0	0	0

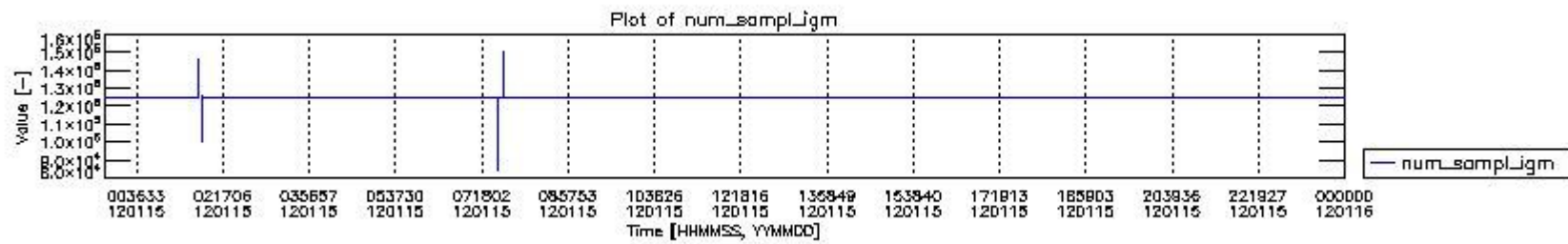
0.2 Instrument Operational Performance Parameters

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.

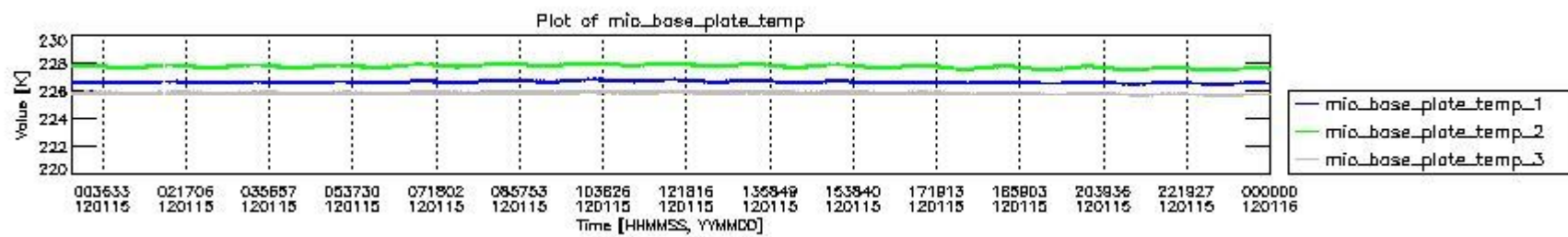
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
84230	1	0.0024151089
94449	1	0.0024151089

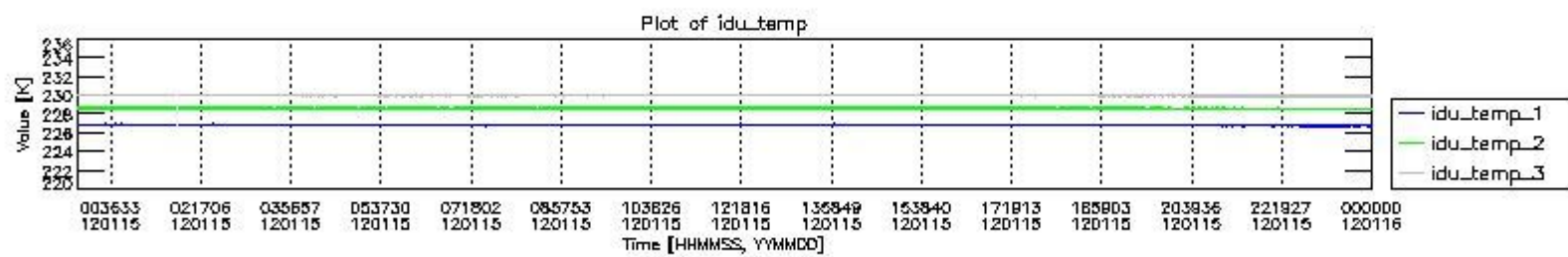
100185	1	0.0024151089
114581	1	0.0024151089
124800	38470	92.909240
124803	2924	7.0617785
125437	1	0.0024151089
125523	1	0.0024151089
126074	1	0.0024151089
127679	1	0.0024151089
145655	1	0.0024151089
146378	1	0.0024151089
147811	1	0.0024151089
150690	1	0.0024151089



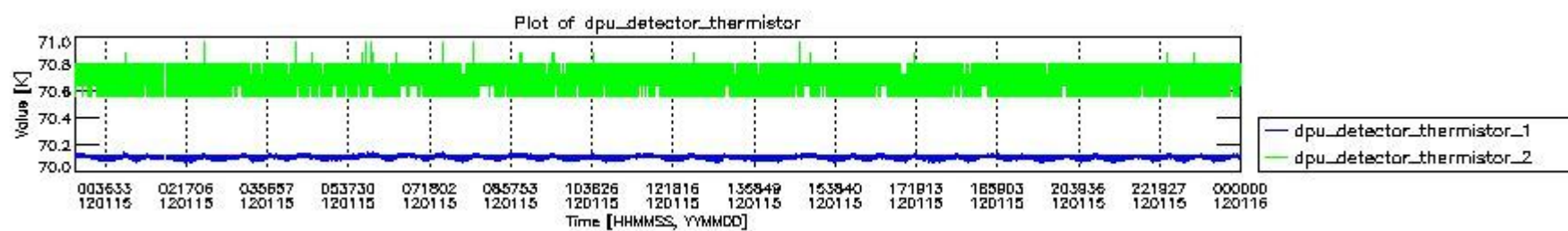
mipas_daily_report_level0_KSPT_L0_4504_N_20120115_0.PNG



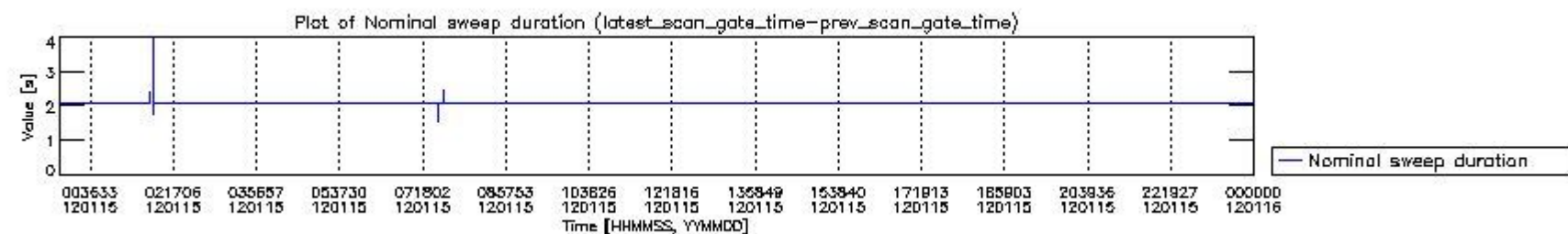
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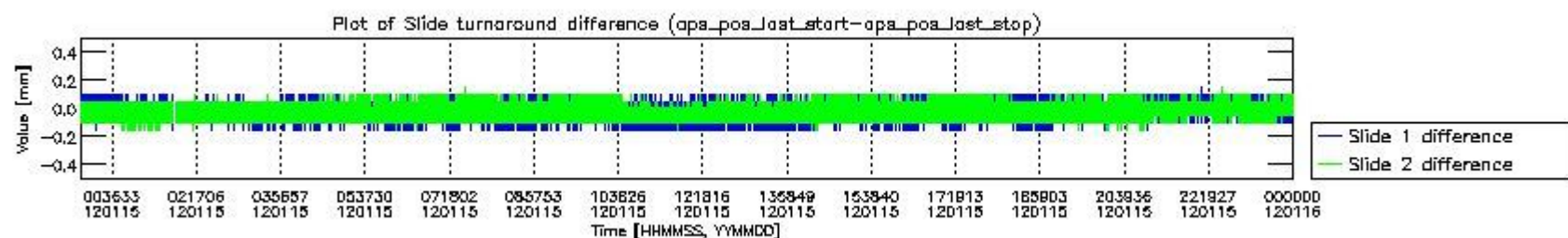
mipas_daily_report_level0_KSPT_L0_4504_N_20120115_2.PNG



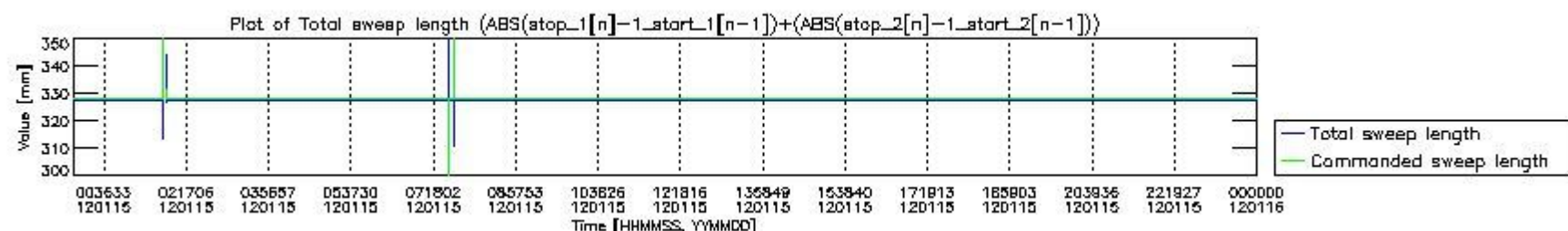
mipas_daily_report_level0_KSPT_L0_4504_N_20120115_3.PNG



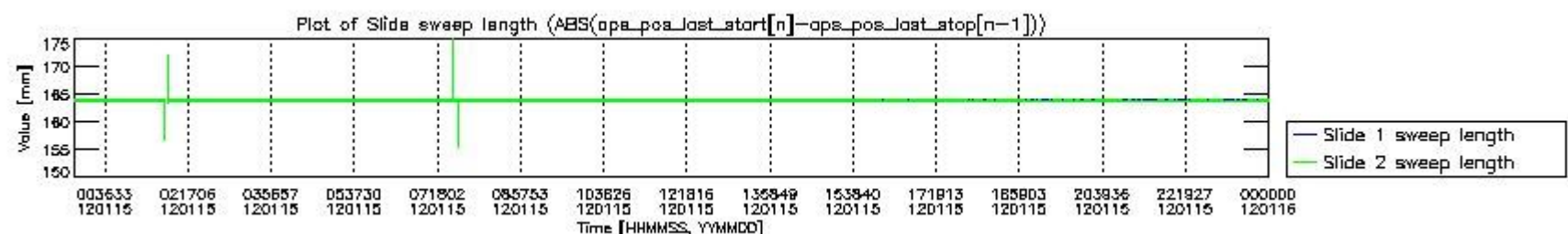
mipas_daily_report_level0_KSPT_L0_4504_N_20120115_4.PNG



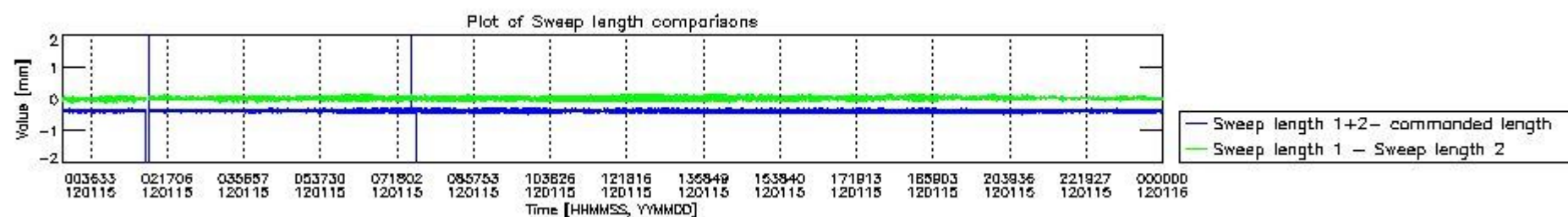
mipas_daily_report_level0_KSPT_L0_4504_N_20120115_5.PNG



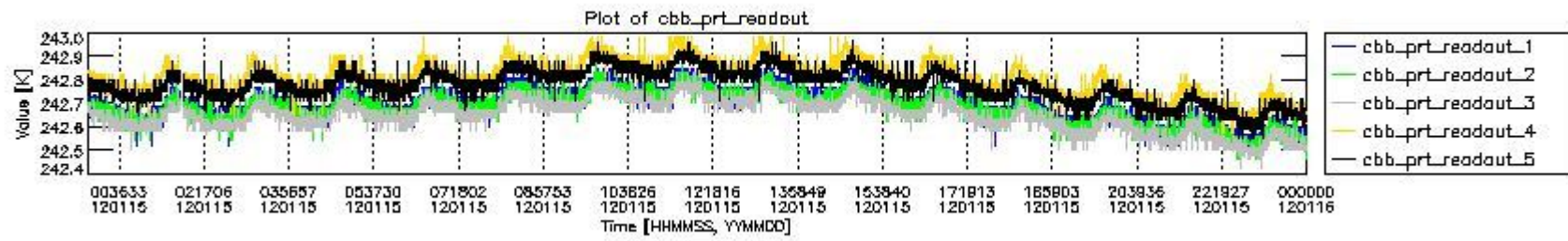
mipas_daily_report_level0_KSPT_L0_4504_N_20120115_6.PNG



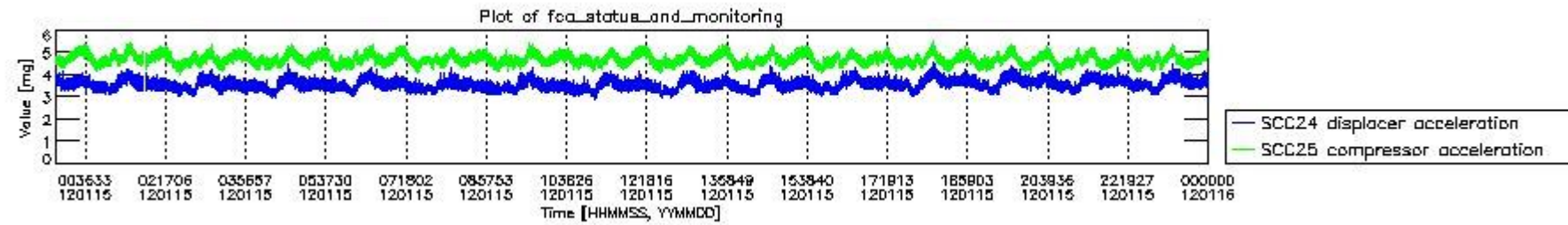
mipas_daily_report_level0_KSPT_L0_4504_N_20120115_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120115_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120115_9.PNG

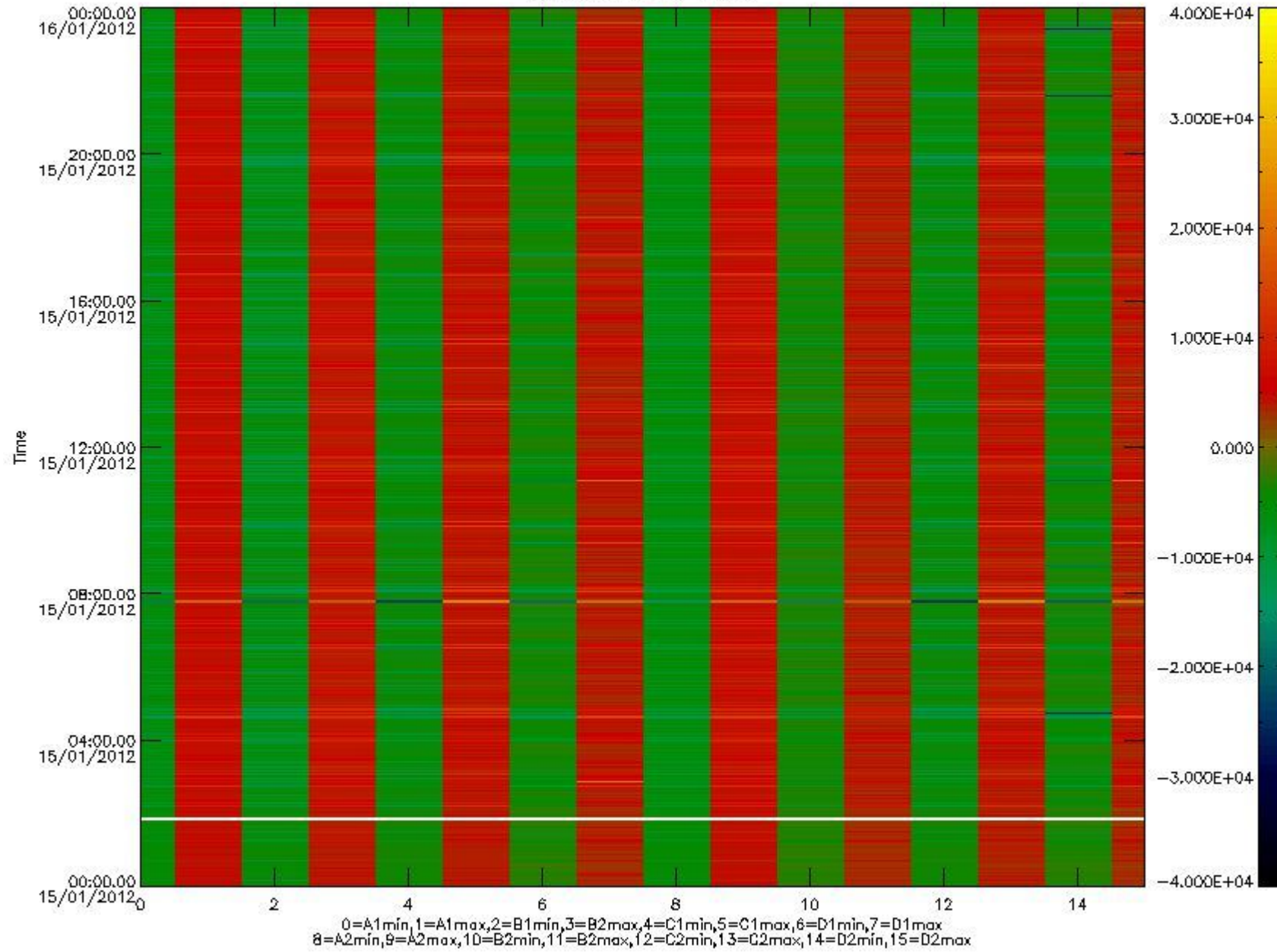


mipas_daily_report_level0_KSPT_L0_4504_N_20120115_10.PNG

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

Channel	Min	Max	ADC
A1	-17548	18542	16bit
B1	-19408	16801	16bit
C1	-23670	22852	16bit
D1	-22507	32767	16bit
A2	-15273	18736	16bit
B2	-17195	16939	16bit
C2	-23965	23498	16bit
D2	-32768	27921	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120115_11.PNG

0.3 ADF monitoring

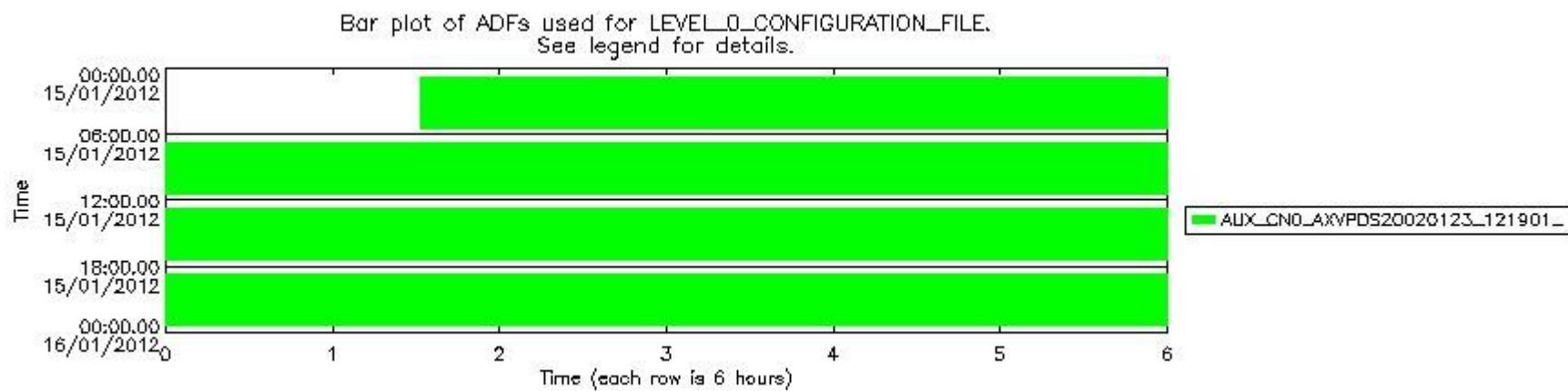
The use of ADFs is shown in two ways:

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.

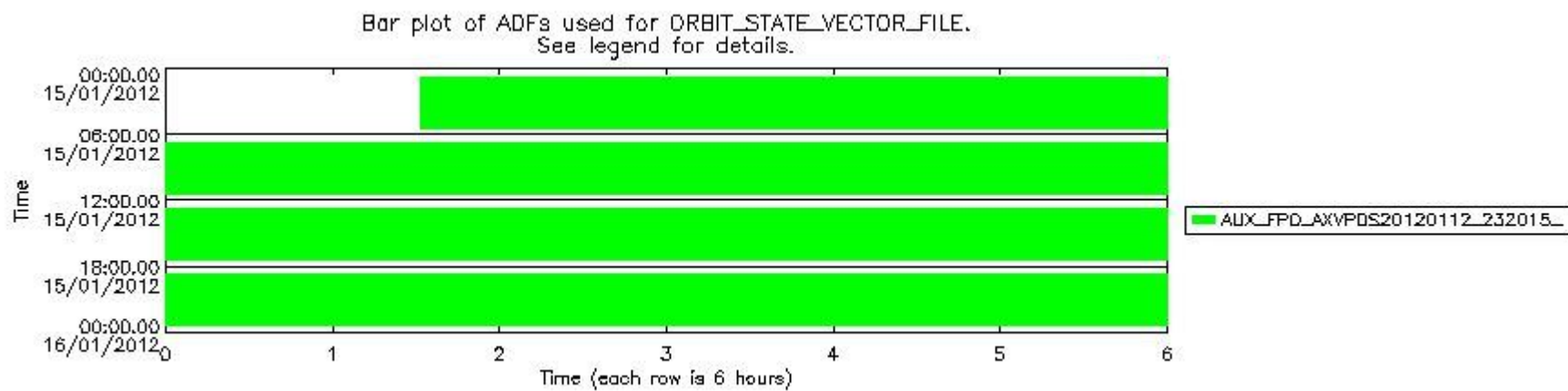
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120112_232015_20120112_183719_20120122_205100

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120115_013121_000043773110_00347_51654_5350.N1	0	1

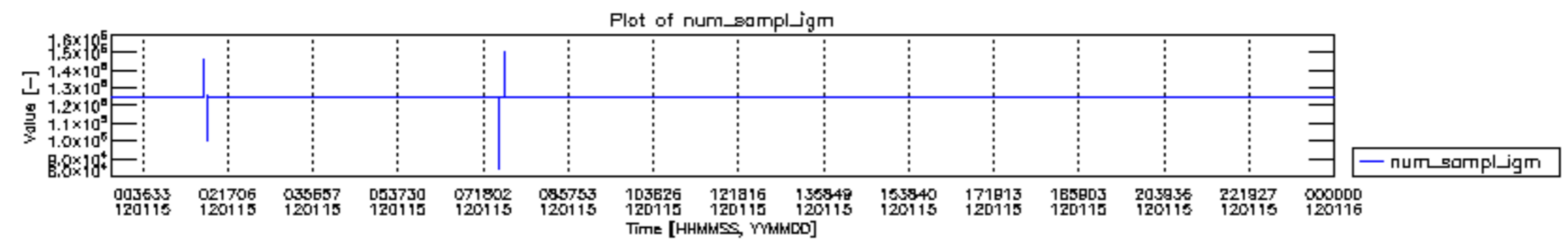
1	MIP_NL__0PNPDE20120115_015249_000030903110_00348_51655_5354.N1	0	1
2	MIP_NL__0PNPDE20120115_024345_000061713110_00348_51655_5351.N1	0	1
3	MIP_NL__0PNPDE20120115_042602_000060523110_00349_51656_5352.N1	0	1
4	MIP_NL__0PNPDK20120115_060621_000041633110_00350_51657_8270.N1	0	1
5	MIP_NL__0PNPDK20120115_071448_000060793110_00351_51658_8271.N1	0	1
6	MIP_NL__0PNPDK20120115_085510_000059683110_00352_51659_8272.N1	0	1
7	MIP_NL__0PNPDK20120115_103258_000061193110_00353_51660_8273.N1	0	1
8	MIP_NL__0PNPDK20120115_121356_000058893110_00354_51661_8274.N1	0	1
9	MIP_NL__0PNPDK20120115_135106_000059933110_00355_51662_8275.N1	0	1
10	MIP_NL__0PNPDK20120115_153003_000058953110_00356_51663_8276.N1	0	1
11	MIP_NL__0PNPDK20120115_170724_000058913110_00357_51664_8277.N1	0	1
12	MIP_NL__0PNPDK20120115_184432_000060373110_00358_51665_8278.N1	0	1
13	MIP_NL__0PNPDE20120115_202304_000043623110_00359_51666_5355.N1	0	1
14	MIP_NL__0PNPDE20120115_213449_000061163110_00359_51666_5356.N1	0	1
15	MIP_NL__0PNPDE20120115_231539_000061003110_00360_51667_5357.N1	0	1

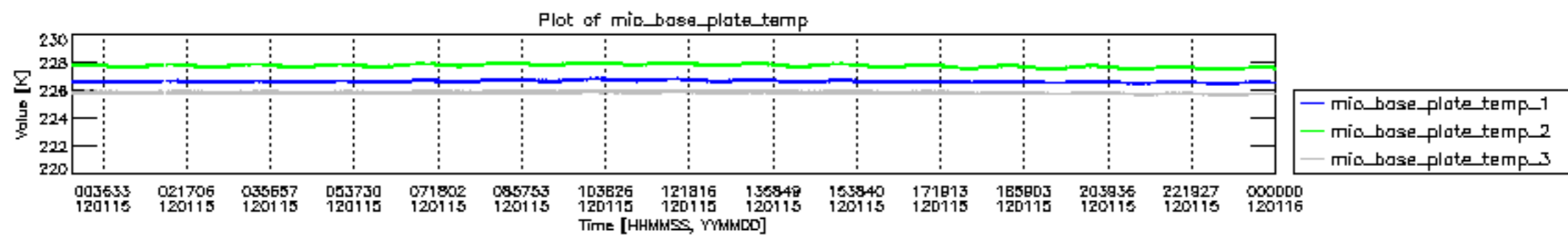


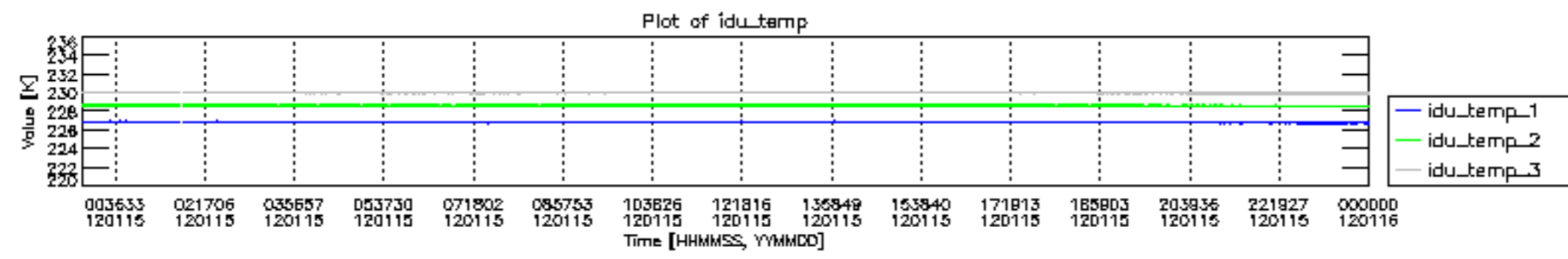
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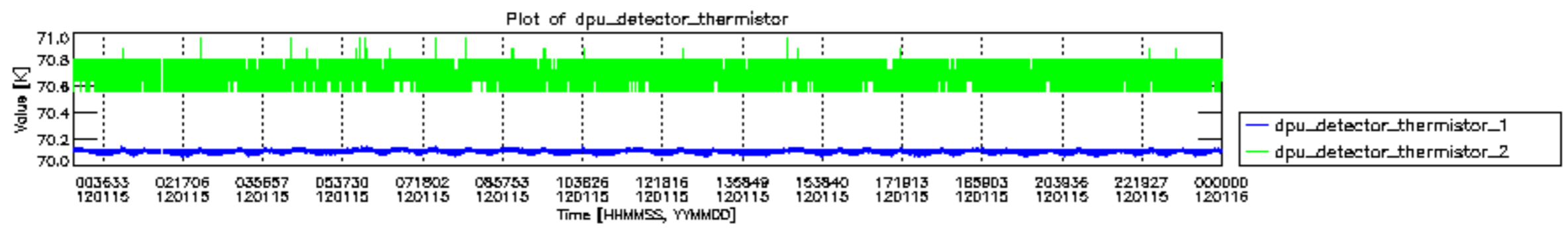


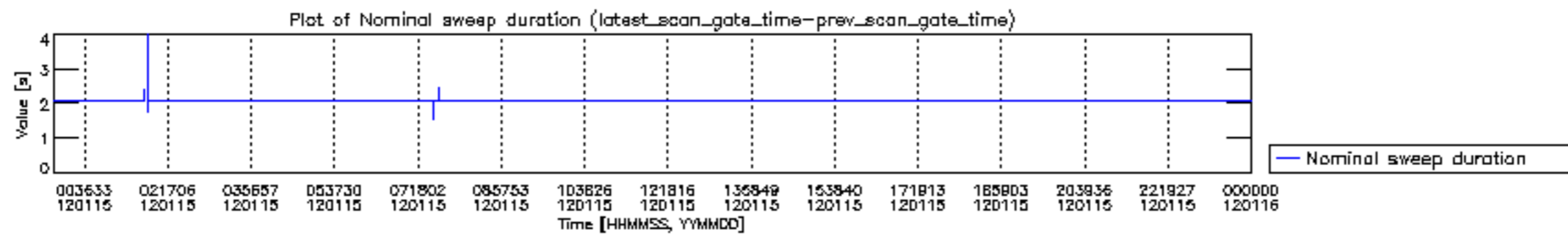
mipas_daily_report_level0_KSPT_L0_4504_N_20120115_13.PNG

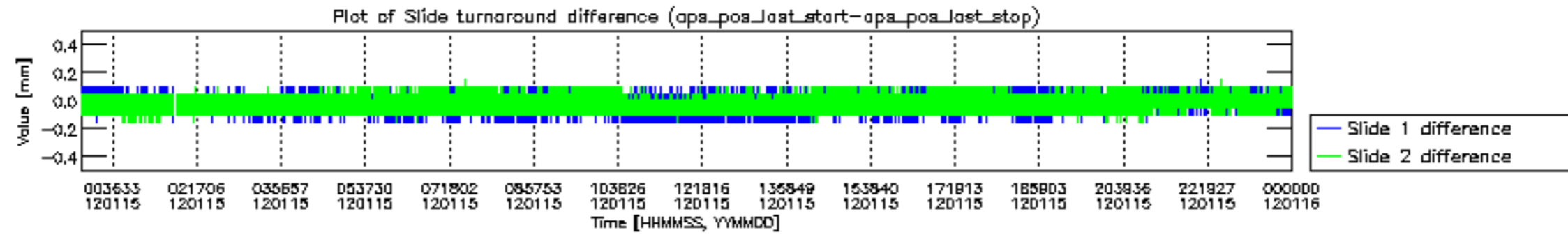


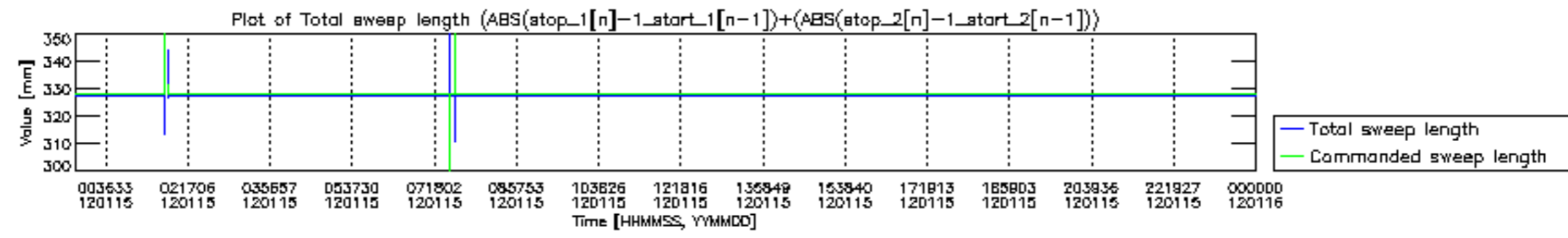


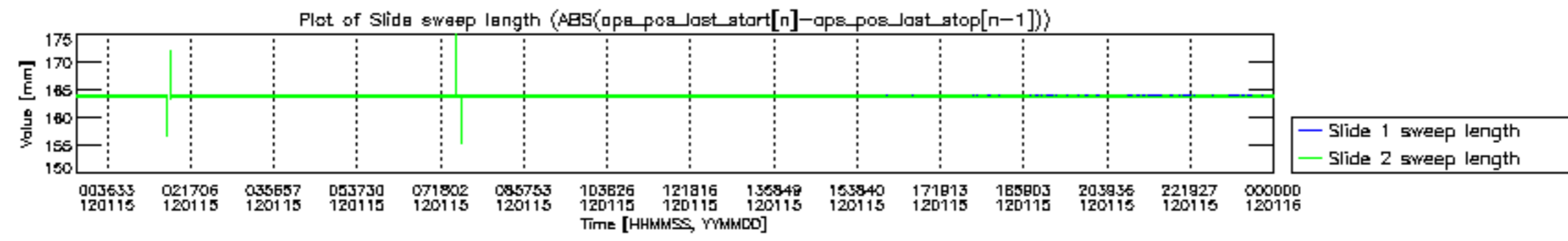


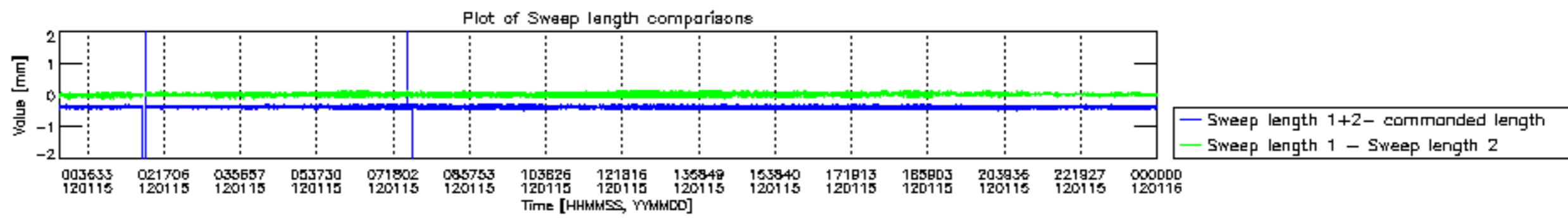


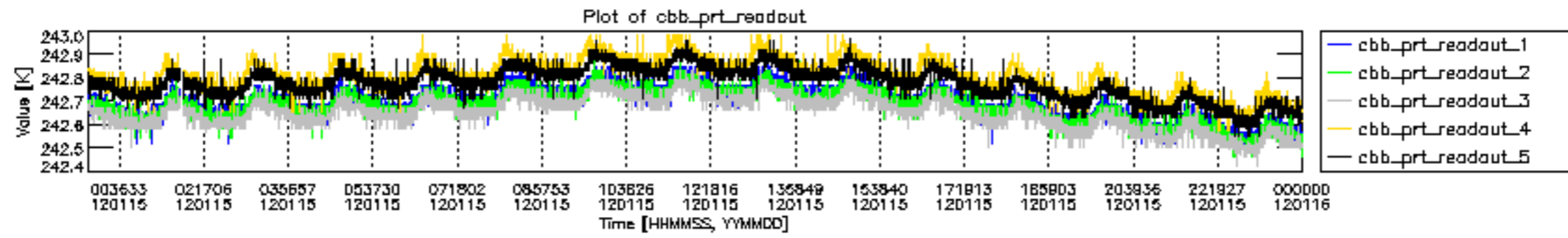


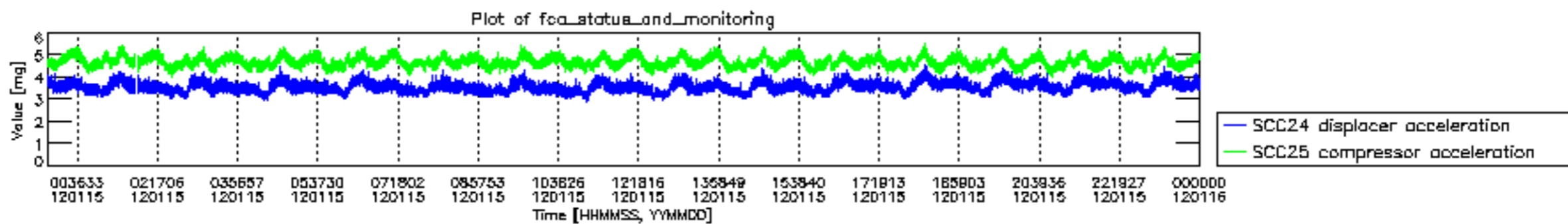












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

