

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	18JAN2012 05:25:17
Data source version	KSPT_L0/4504-N
Processing scope for products	13JAN2012 00:00:00 to 14JAN2012 00:00:00
Start time of first product within scope	13JAN2012 01:07:20
Stop time of last product within scope	14JAN2012 00:31:04
Total number of level 0 products	15
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__OPNPDE20120113_010720_000101803110_00318_51625_5337.N1	13JAN2012 01:07:20	13JAN2012 03:56:59	0	0	0	0	0
1	MIP_NL__OPNPDE20120113_014852_000076873110_00319_51626_0619.N1	13JAN2012 01:48:52	13JAN2012 03:56:59	0	0	0	0	0
2	MIP_NL__OPNPDE20120113_035626_000062213110_00320_51627_5338.N1	13JAN2012 03:56:26	13JAN2012 05:40:07	0	0	0	0	0
3	MIP_NL__OPNPDE20120113_053931_000060563110_00321_51628_5339.N1	13JAN2012 05:39:31	13JAN2012 07:20:27	0	0	0	0	0
4	MIP_NL__OPNPDK20120113_071954_000040653110_00322_51629_8253.N1	13JAN2012 07:19:54	13JAN2012 08:27:39	0	0	0	0	0
5	MIP_NL__OPNPDK20120113_082641_000060923110_00323_51630_8254.N1	13JAN2012 08:26:41	13JAN2012 10:08:13	0	0	0	0	0
6	MIP_NL__OPNPDK20120113_100716_000060333110_00324_51631_8255.N1	13JAN2012 10:07:16	13JAN2012 11:47:49	0	0	0	0	0
7	MIP_NL__OPNPDK20120113_114613_000059933110_00325_51632_8256.N1	13JAN2012 11:46:13	13JAN2012 13:26:06	0	0	0	0	0
8	MIP_NL__OPNPDK20120113_132508_000058973110_00326_51633_8257.N1	13JAN2012 13:25:08	13JAN2012 15:03:25	0	0	0	0	0
9	MIP_NL__OPNPDK20120113_150239_000059683110_00327_51634_8258.N1	13JAN2012 15:02:39	13JAN2012 16:42:07	0	0	0	0	0
10	MIP_NL__OPNPDK20120113_164105_000058873110_00328_51635_8259.N1	13JAN2012 16:41:05	13JAN2012 18:19:12	0	0	0	0	0
11	MIP_NL__OPNPDK20120113_181811_000059203110_00329_51636_8260.N1	13JAN2012 18:18:11	13JAN2012 19:56:51	0	0	0	0	0
12	MIP_NL__OPNPDE20120113_195458_000041993110_00330_51637_5340.N1	13JAN2012 19:54:58	13JAN2012 21:04:57	0	0	0	0	0
13	MIP_NL__OPNPDE20120113_210401_000064053110_00330_51637_5341.N1	13JAN2012 21:04:01	13JAN2012 22:50:46	0	0	0	0	0
14	MIP_NL__OPNPDE20120113_224939_000060853110_00331_51638_5342.N1	13JAN2012 22:49:39	14JAN2012 00:31:04	0	0	0	0	0

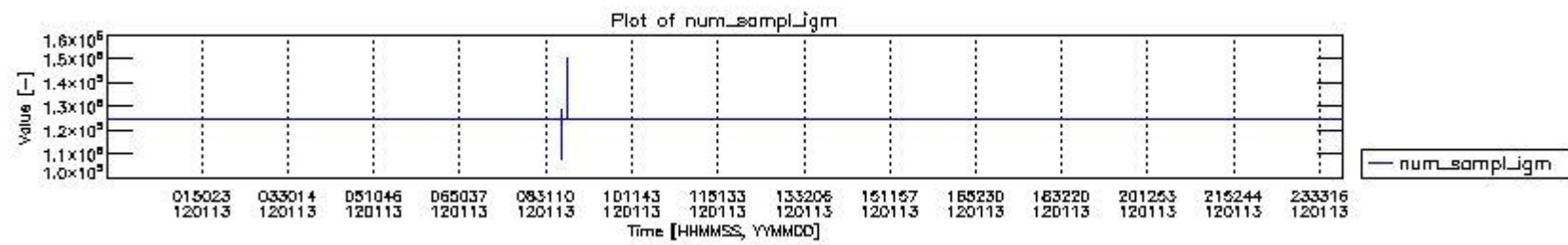
0.2 Instrument Operational Performance Parameters

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.

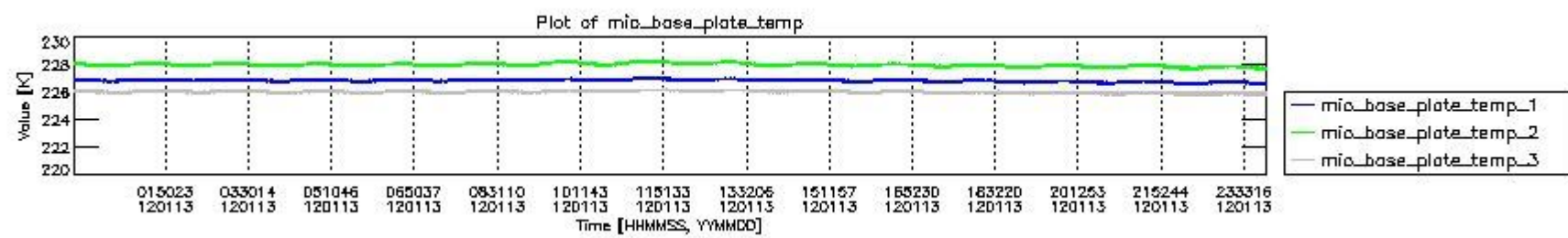
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
108351	1	0.0024017677
112034	1	0.0024017677
124800	38675	92.888366

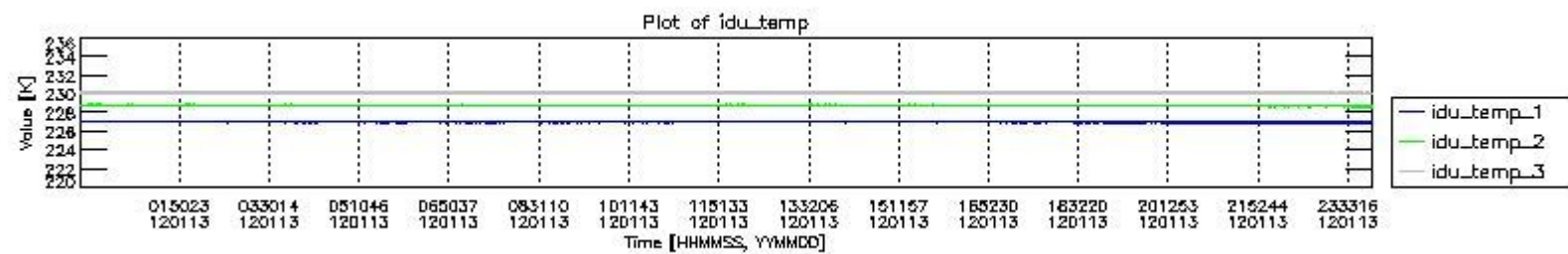
124803	2955	7.0972236
127605	1	0.0024017677
128483	1	0.0024017677
147737	1	0.0024017677
150542	1	0.0024017677



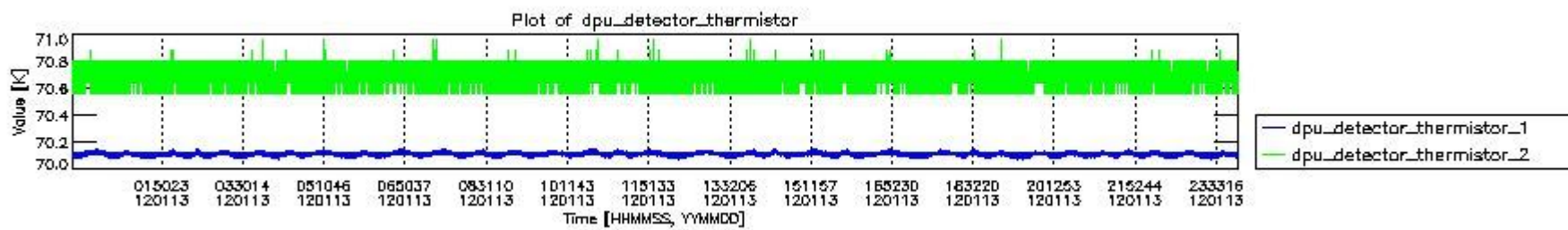
mipas_daily_report_level0_KSPT_L0_4504_N_20120113_0.PNG



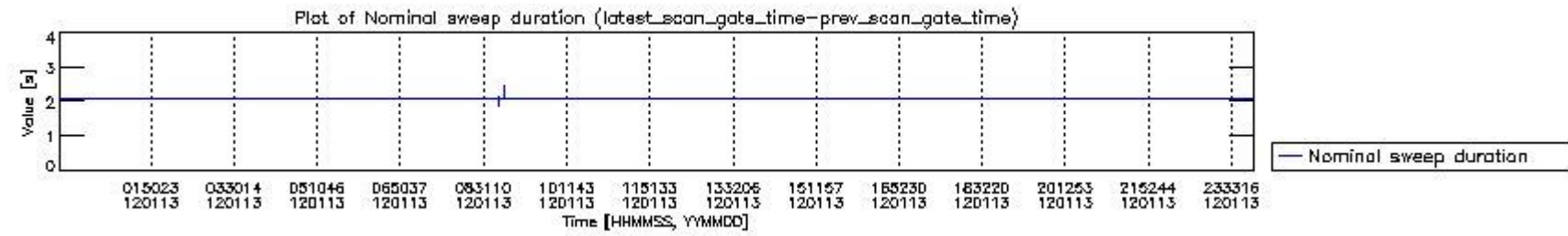
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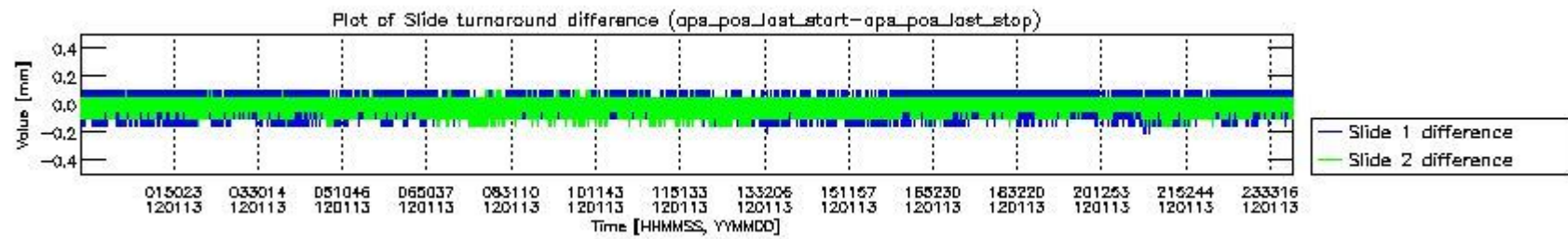
mipas_daily_report_level0_KSPT_L0_4504_N_20120113_2.PNG



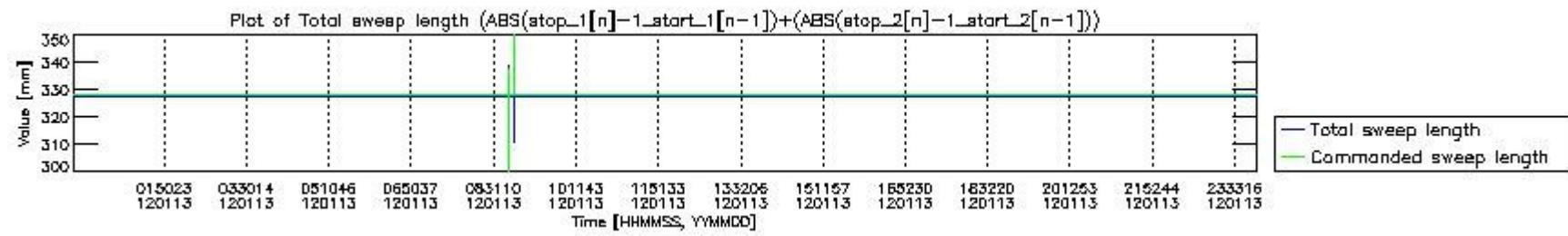
mipas_daily_report_level0_KSPT_L0_4504_N_20120113_3.PNG



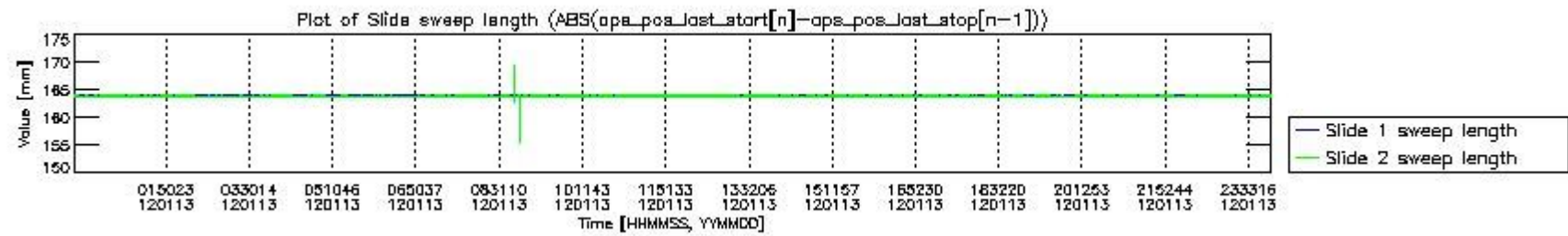
mipas_daily_report_level0_KSPT_L0_4504_N_20120113_4.PNG



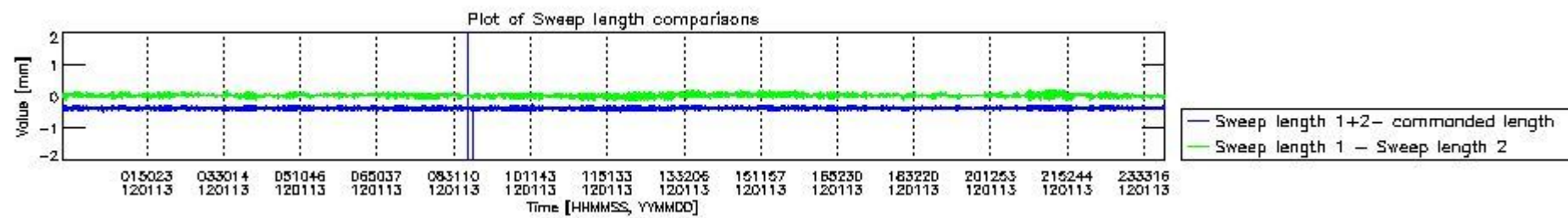
mipas_daily_report_level0_KSPT_L0_4504_N_20120113_5.PNG



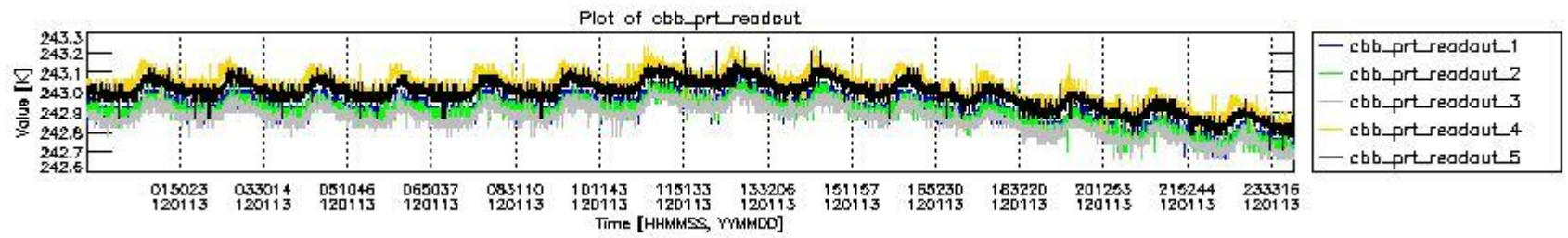
mipas_daily_report_level0_KSPT_L0_4504_N_20120113_6.PNG



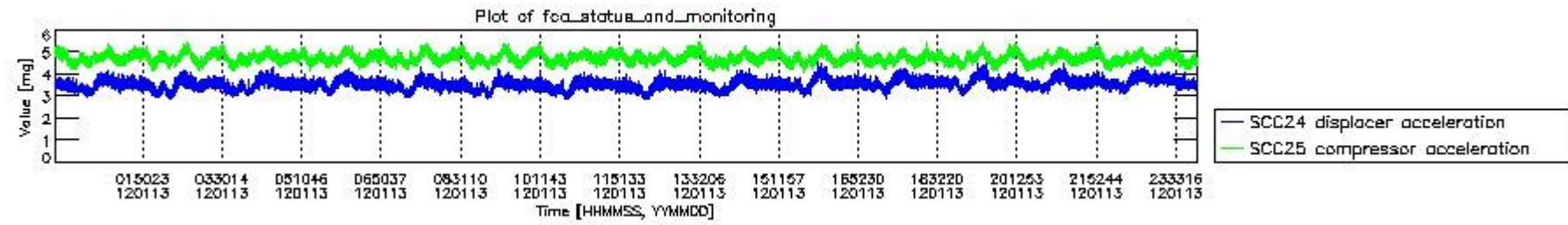
mipas_daily_report_level0_KSPT_L0_4504_N_20120113_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120113_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120113_9.PNG

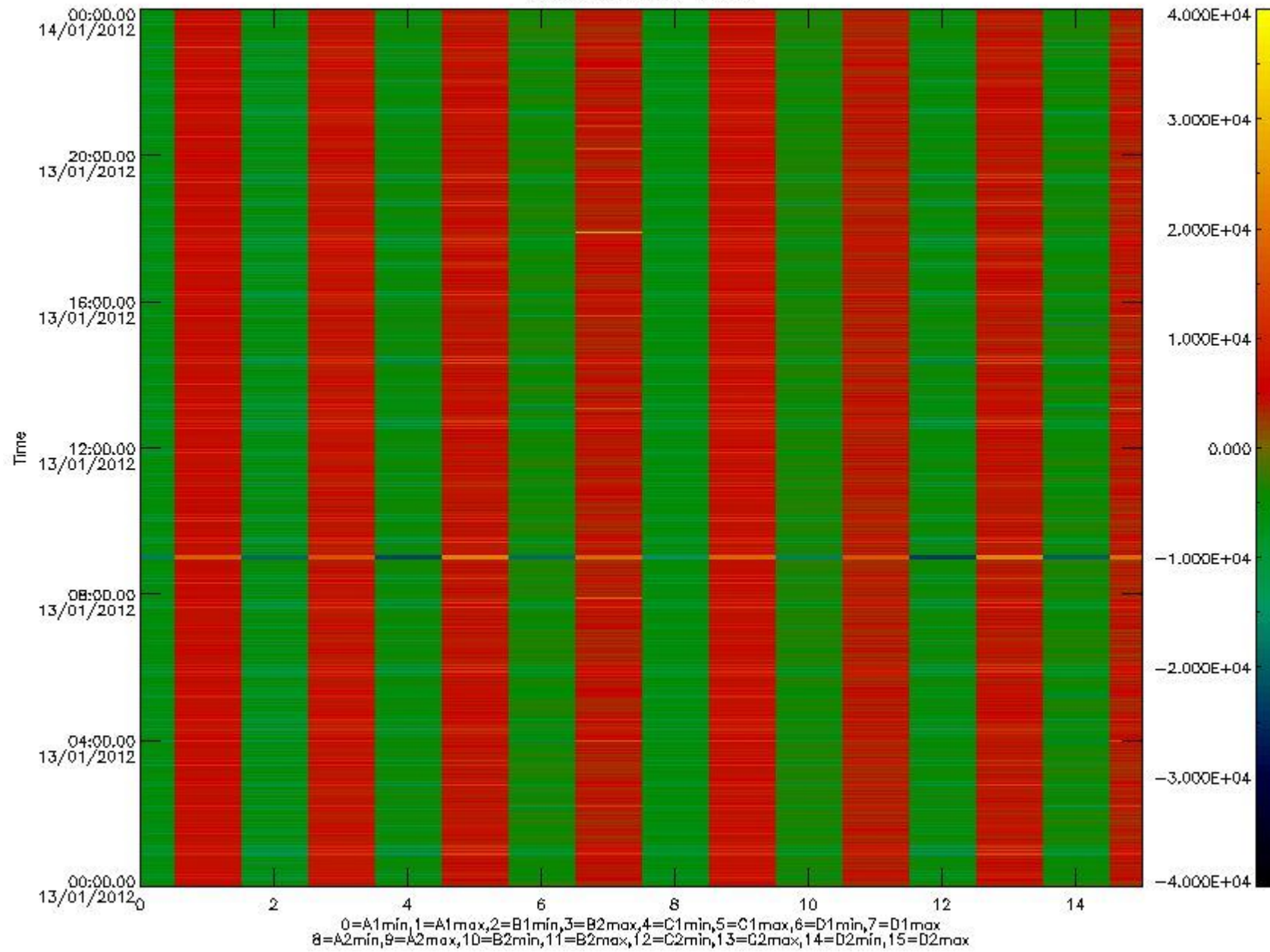


mipas_daily_report_level0_KSPT_L0_4504_N_20120113_10.PNG

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

Channel	Min	Max	ADC
A1	-17612	18600	16bit
B1	-19520	16874	16bit
C1	-25424	23032	16bit
D1	-25903	32767	16bit
A2	-15323	18803	16bit
B2	-17315	17050	16bit
C2	-24188	24428	16bit
D2	-32768	29653	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120113_11.PNG

0.3 ADF monitoring

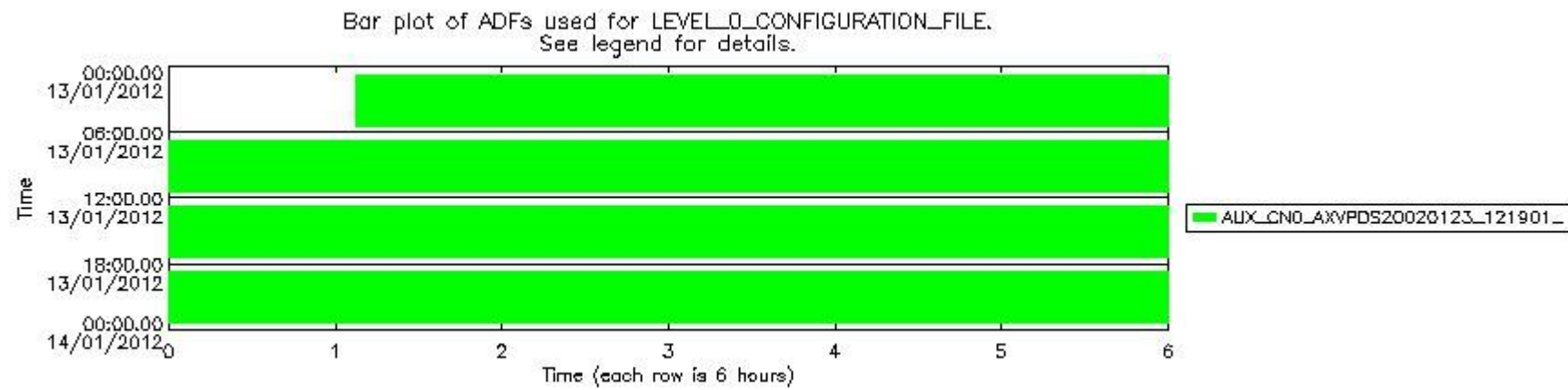
The use of ADFs is shown in two ways:

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.

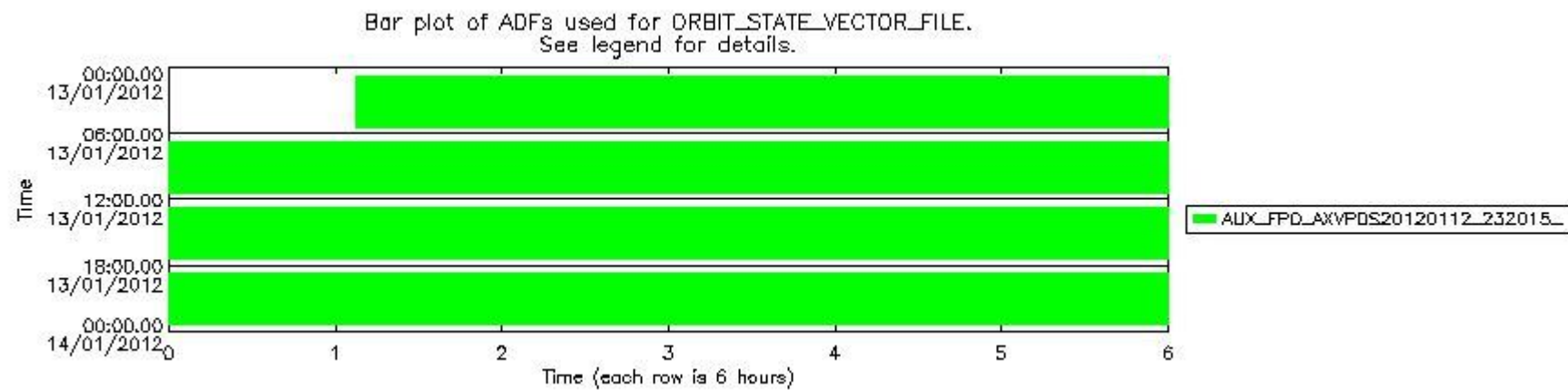
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120112_232015_20120112_183719_20120122_205100

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120113_010720_000101803110_00318_51625_5337.N1	0	1

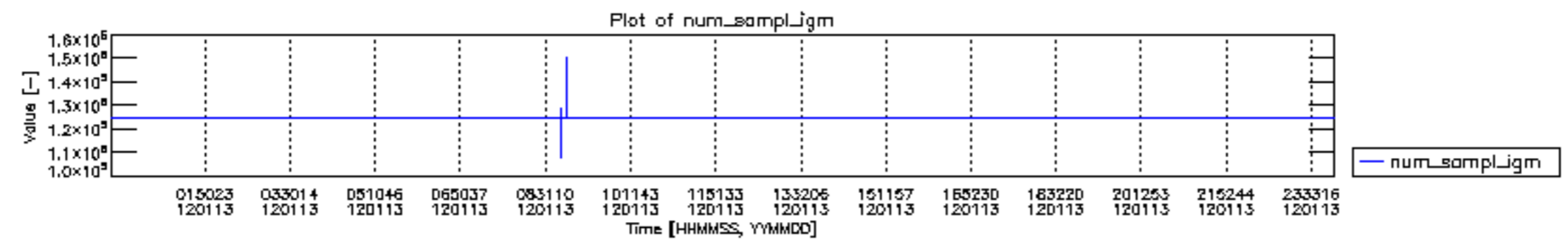
1	MIP_NL__0PNPDE20120113_014852_000076873110_00319_51626_0619.N1	0	1
2	MIP_NL__0PNPDE20120113_035626_000062213110_00320_51627_5338.N1	0	1
3	MIP_NL__0PNPDE20120113_053931_000060563110_00321_51628_5339.N1	0	1
4	MIP_NL__0PNPDK20120113_071954_000040653110_00322_51629_8253.N1	0	1
5	MIP_NL__0PNPDK20120113_082641_000060923110_00323_51630_8254.N1	0	1
6	MIP_NL__0PNPDK20120113_100716_000060333110_00324_51631_8255.N1	0	1
7	MIP_NL__0PNPDK20120113_114613_000059933110_00325_51632_8256.N1	0	1
8	MIP_NL__0PNPDK20120113_132508_000058973110_00326_51633_8257.N1	0	1
9	MIP_NL__0PNPDK20120113_150239_000059683110_00327_51634_8258.N1	0	1
10	MIP_NL__0PNPDK20120113_164105_000058873110_00328_51635_8259.N1	0	1
11	MIP_NL__0PNPDK20120113_181811_000059203110_00329_51636_8260.N1	0	1
12	MIP_NL__0PNPDE20120113_195458_000041993110_00330_51637_5340.N1	0	1
13	MIP_NL__0PNPDE20120113_210401_000064053110_00330_51637_5341.N1	0	1
14	MIP_NL__0PNPDE20120113_224939_000060853110_00331_51638_5342.N1	0	1

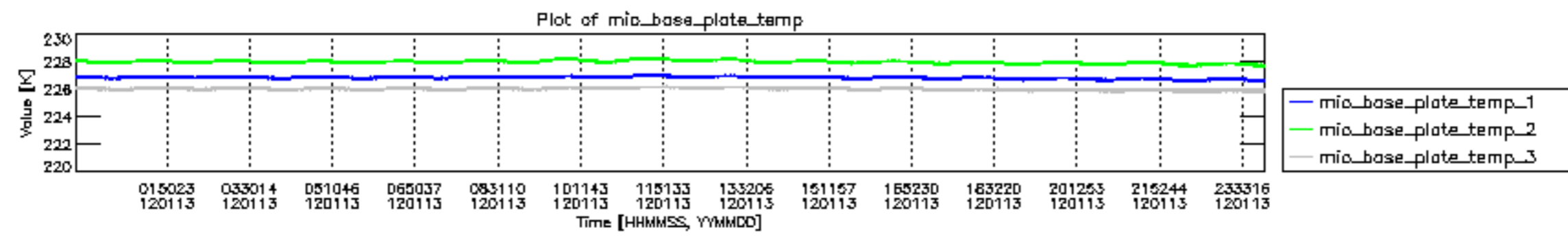


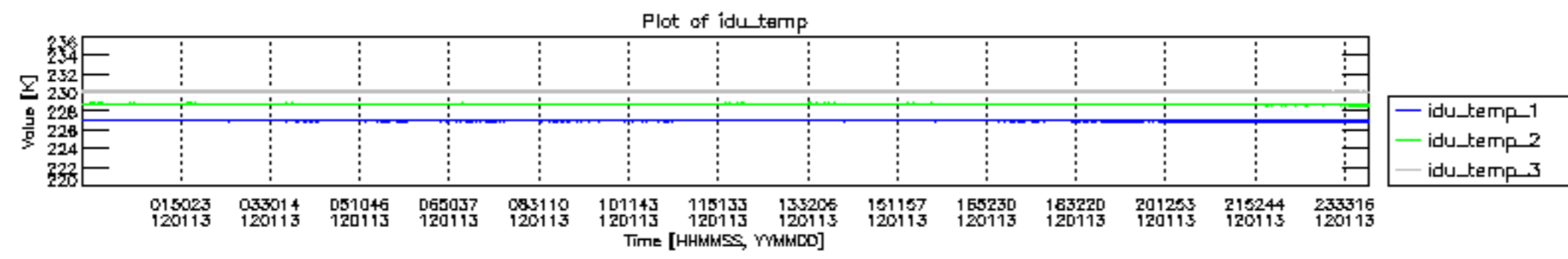
mipas_daily_report_level0_KSPT_L0_4504_N_20120113_12.PNG

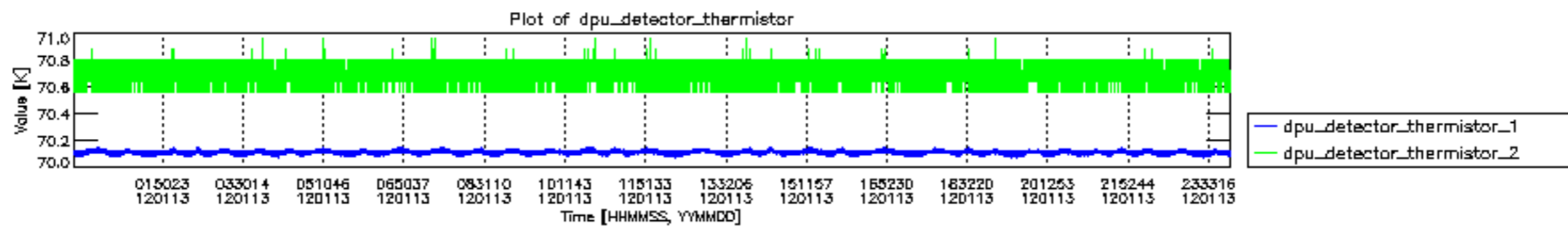


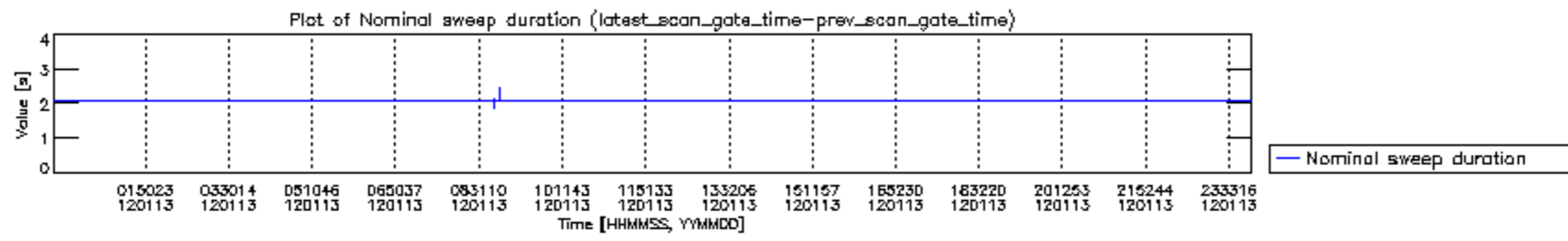
mipas_daily_report_level0_KSPT_L0_4504_N_20120113_13.PNG

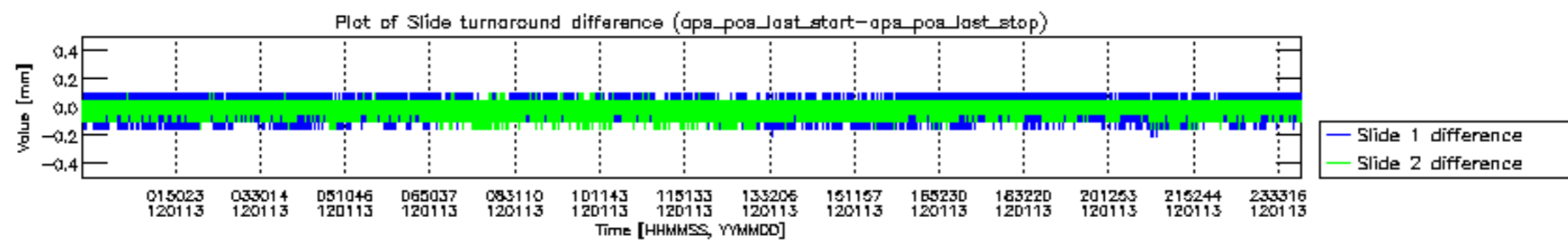


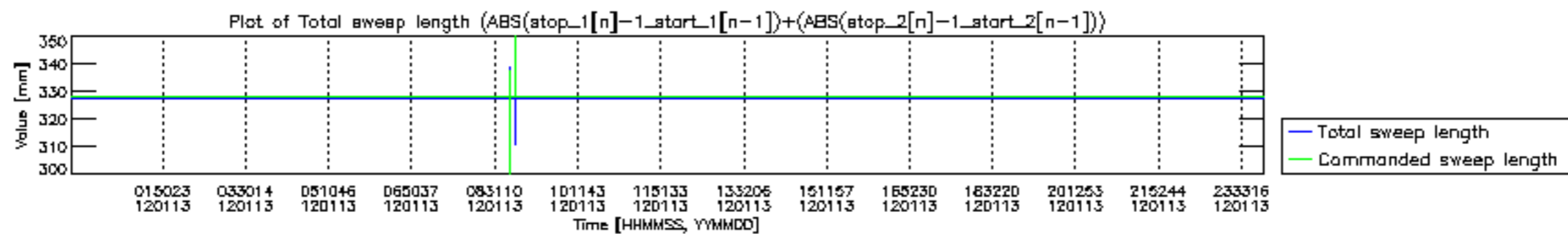


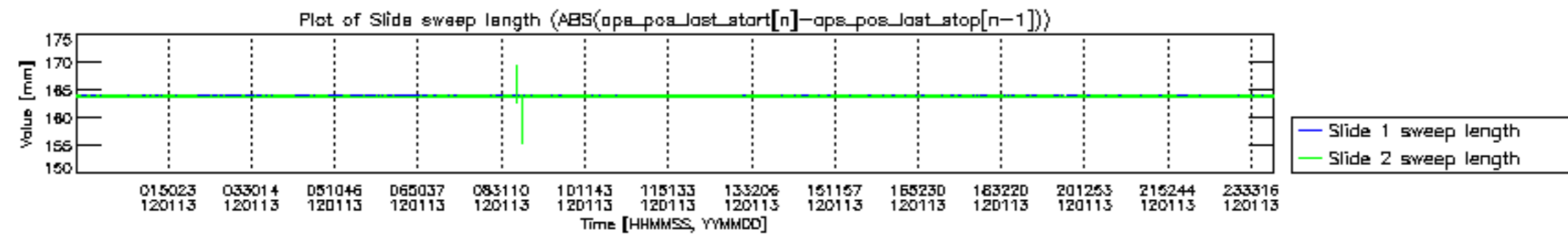


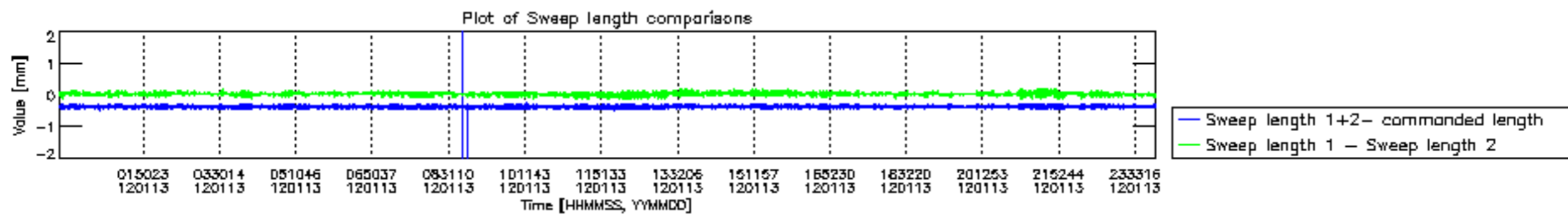


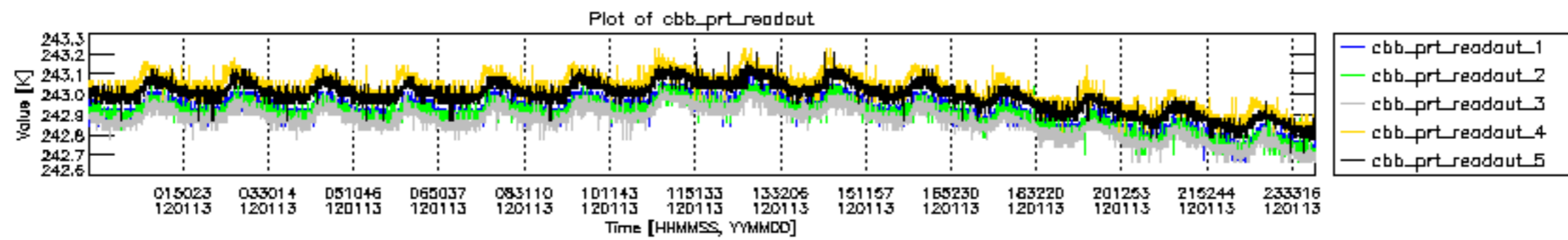


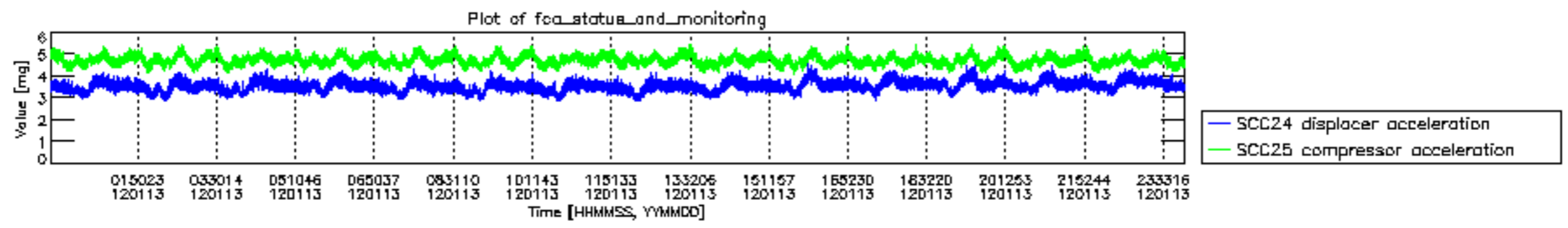












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

