

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	19JAN2012 05:25:13
Data source version	KSPT_L0/4504-N
Processing scope for products	14JAN2012 00:00:00 to 15JAN2012 00:00:00
Start time of first product within scope	14JAN2012 00:29:57
Stop time of last product within scope	15JAN2012 01:32:19
Total number of level 0 products	16
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__0PNPDE20120114_002957_000058673110_00332_51639_5343.N1	14JAN2012 00:29:57	14JAN2012 02:07:44	0	0	0	0	0
1	MIP_NL__0PNPDE20120114_020646_000044833110_00333_51640_5344.N1	14JAN2012 02:06:46	14JAN2012 03:21:29	0	0	0	0	0
2	MIP_NL__0PNPDE20120114_032053_000061543110_00334_51641_5345.N1	14JAN2012 03:20:53	14JAN2012 05:03:27	0	0	0	0	0
3	MIP_NL__0PNPDE20120114_050256_000060543110_00335_51642_5346.N1	14JAN2012 05:02:56	14JAN2012 06:43:50	0	0	0	0	0
4	MIP_NL__0PNPDK20120114_064316_000040253110_00336_51643_8261.N1	14JAN2012 06:43:16	14JAN2012 07:50:22	0	0	0	0	0
5	MIP_NL__0PNPDK20120114_074923_000060303110_00337_51644_8262.N1	14JAN2012 07:49:23	14JAN2012 09:29:54	0	0	0	0	0
6	MIP_NL__0PNPDK20120114_092811_000061193110_00338_51645_8263.N1	14JAN2012 09:28:11	14JAN2012 11:10:10	0	0	0	0	0
7	MIP_NL__0PNPDK20120114_110819_000060943110_00339_51646_8264.N1	14JAN2012 11:08:19	14JAN2012 12:49:53	0	0	0	0	0
8	MIP_NL__0PNPDK20120114_124854_000060063110_00340_51647_8265.N1	14JAN2012 12:48:54	14JAN2012 14:29:00	0	0	0	0	0
9	MIP_NL__0PNPDK20120114_142757_000058433110_00341_51648_8266.N1	14JAN2012 14:27:57	14JAN2012 16:05:20	0	0	0	0	0
10	MIP_NL__0PNPDK20120114_160420_000059703110_00342_51649_8267.N1	14JAN2012 16:04:20	14JAN2012 17:43:50	0	0	0	0	0
11	MIP_NL__0PNPDK20120114_174241_000057323110_00343_51650_8268.N1	14JAN2012 17:42:41	14JAN2012 19:18:13	0	0	0	0	0
12	MIP_NL__0PNPDK20120114_191715_000063023110_00344_51651_8269.N1	14JAN2012 19:17:15	14JAN2012 21:02:17	0	0	0	0	0
13	MIP_NL__0PNPDE20120114_210014_000043933110_00345_51652_5347.N1	14JAN2012 21:00:14	14JAN2012 22:13:27	0	0	0	0	0
14	MIP_NL__0PNPDE20120114_221220_000060853110_00345_51652_5348.N1	14JAN2012 22:12:20	14JAN2012 23:53:45	0	0	0	0	0
15	MIP_NL__0PNPDE20120114_235237_000059833110_00346_51653_5349.N1	14JAN2012 23:52:37	15JAN2012 01:32:19	0	0	0	0	0

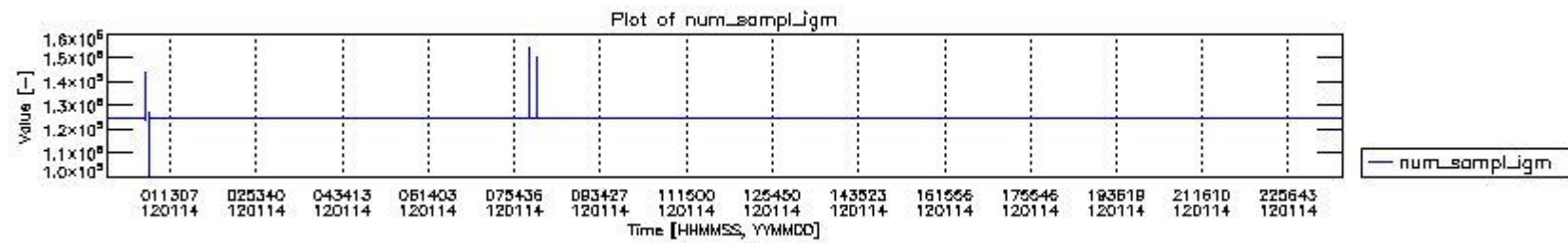
0.2 Instrument Operational Performance Parameters

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.

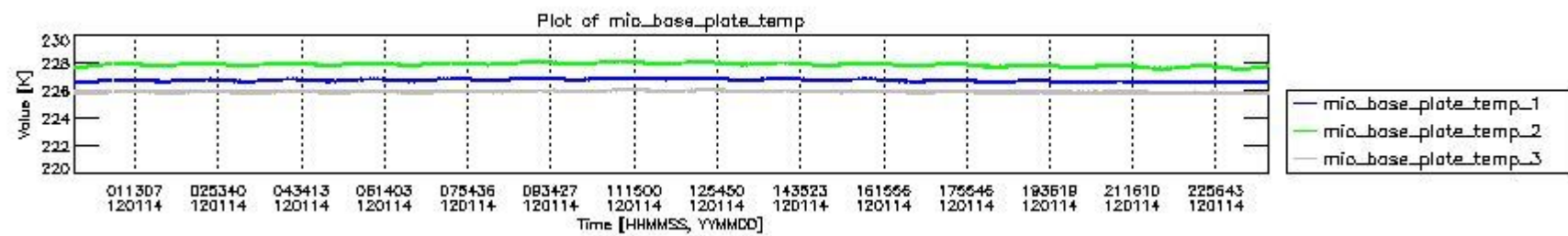
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100632	1	0.0024058703
123888	1	0.0024058703

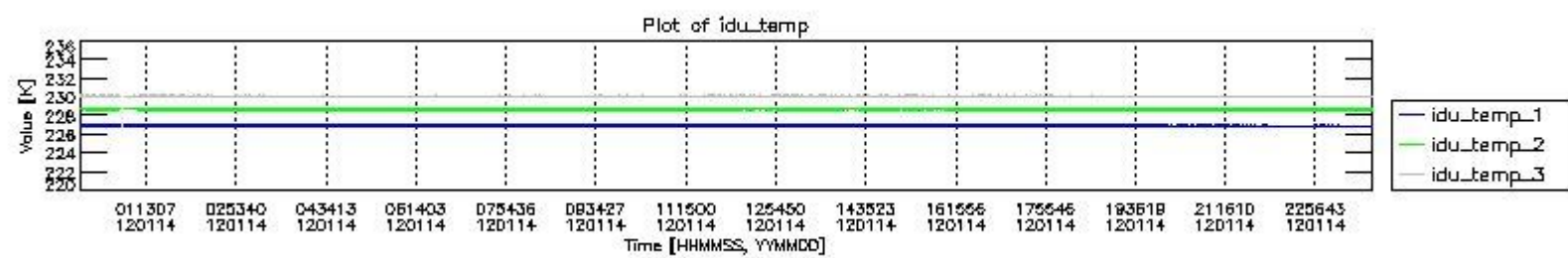
124800	38771	93.277998
124803	2782	6.6931312
125884	1	0.0024058703
126968	1	0.0024058703
127679	1	0.0024058703
129389	1	0.0024058703
143108	1	0.0024058703
144020	1	0.0024058703
147811	1	0.0024058703
149521	1	0.0024058703
150690	1	0.0024058703
154110	1	0.0024058703



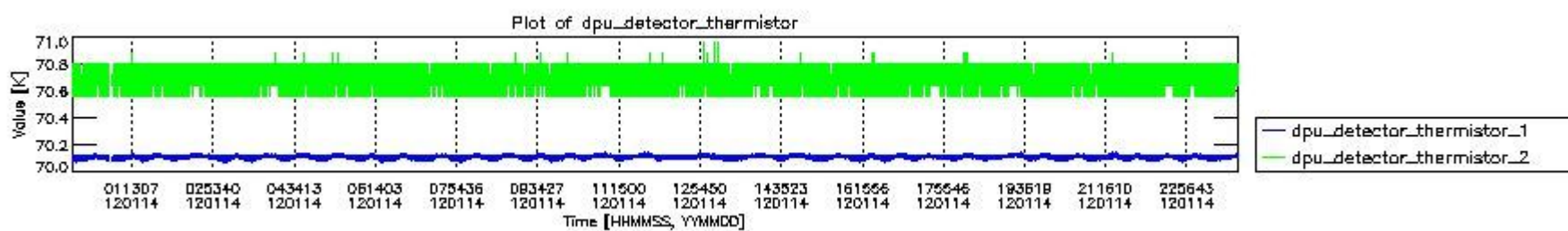
mipas_daily_report_level0_KSPT_L0_4504_N_20120114_0.PNG



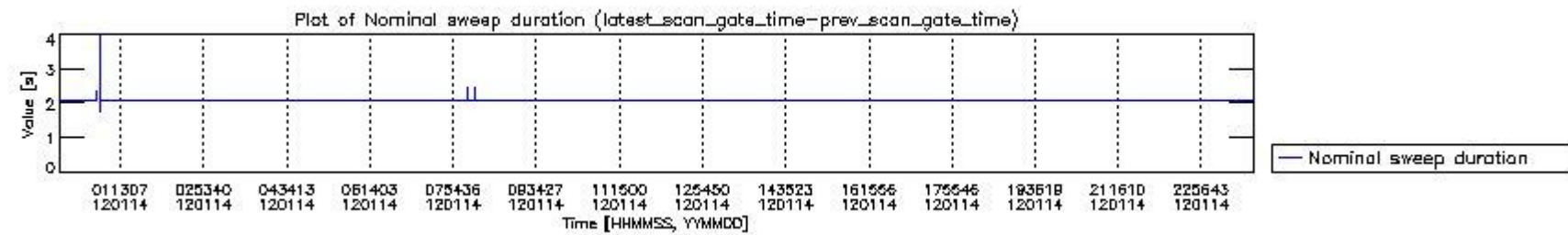
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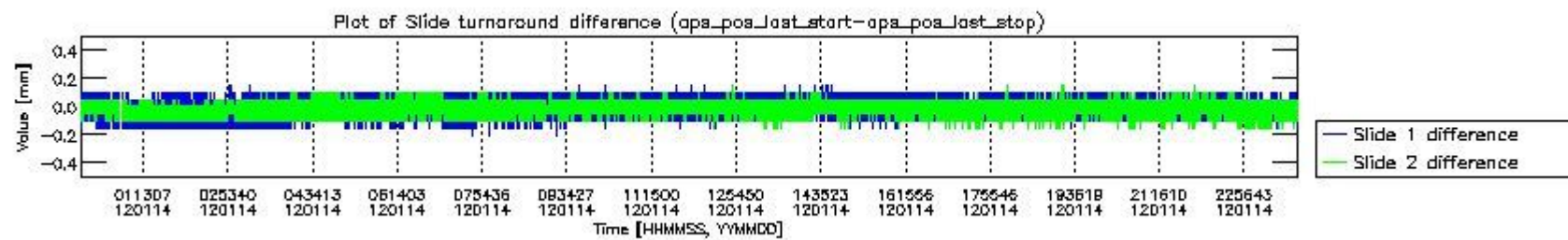
mipas_daily_report_level0_KSPT_L0_4504_N_20120114_2.PNG



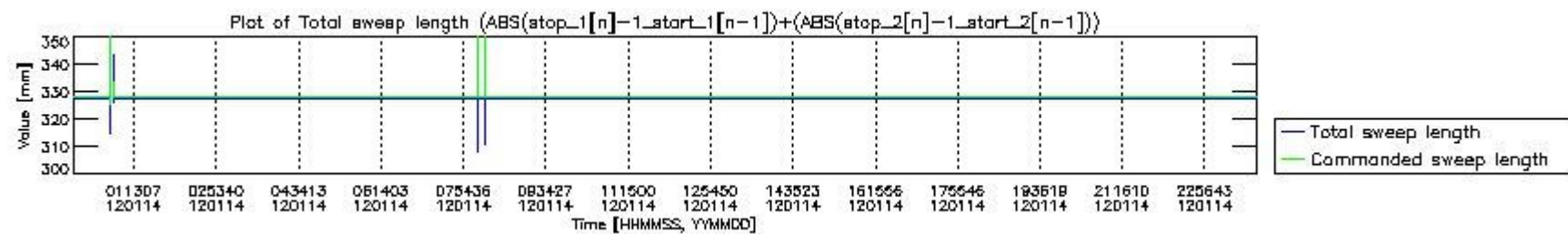
mipas_daily_report_level0_KSPT_L0_4504_N_20120114_3.PNG



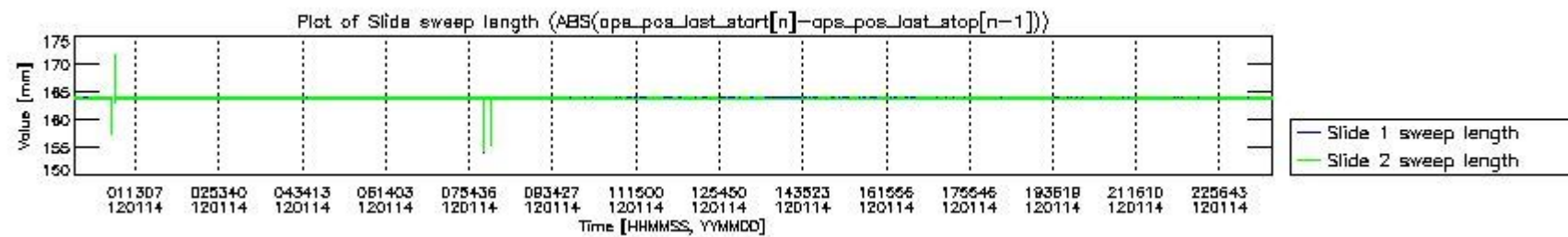
mipas_daily_report_level0_KSPT_L0_4504_N_20120114_4.PNG



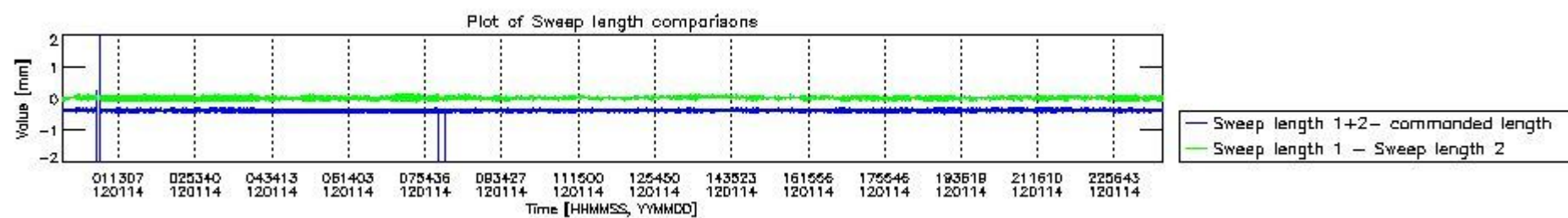
mipas_daily_report_level0_KSPT_L0_4504_N_20120114_5.PNG



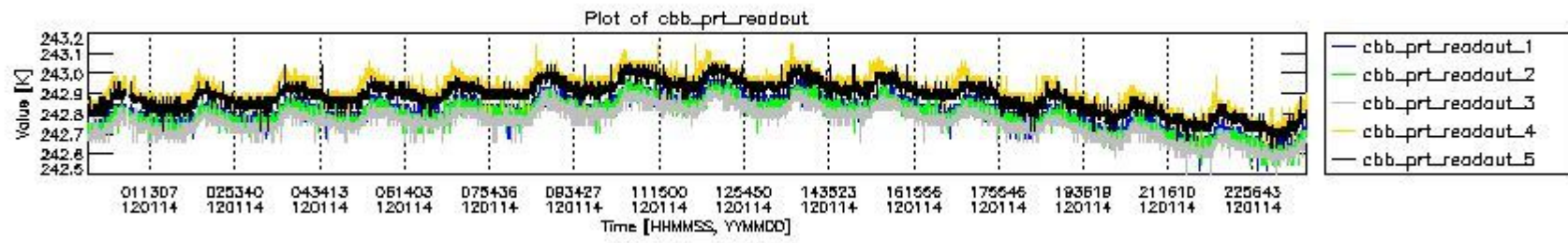
mipas_daily_report_level0_KSPT_L0_4504_N_20120114_6.PNG



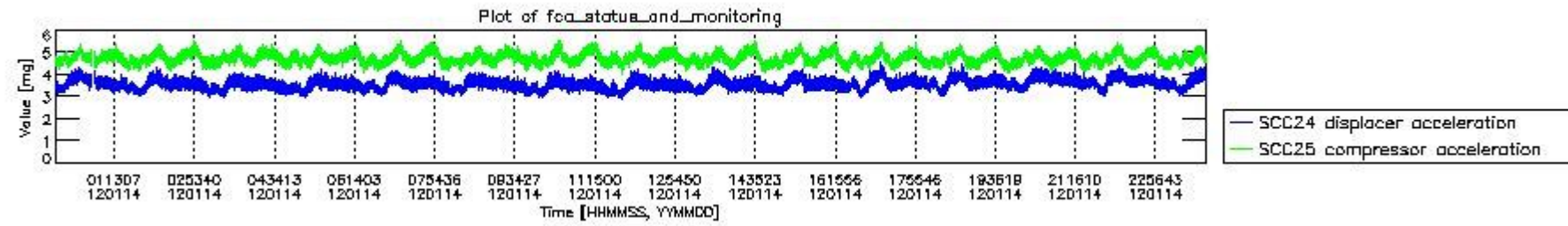
mipas_daily_report_level0_KSPT_L0_4504_N_20120114_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120114_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120114_9.PNG

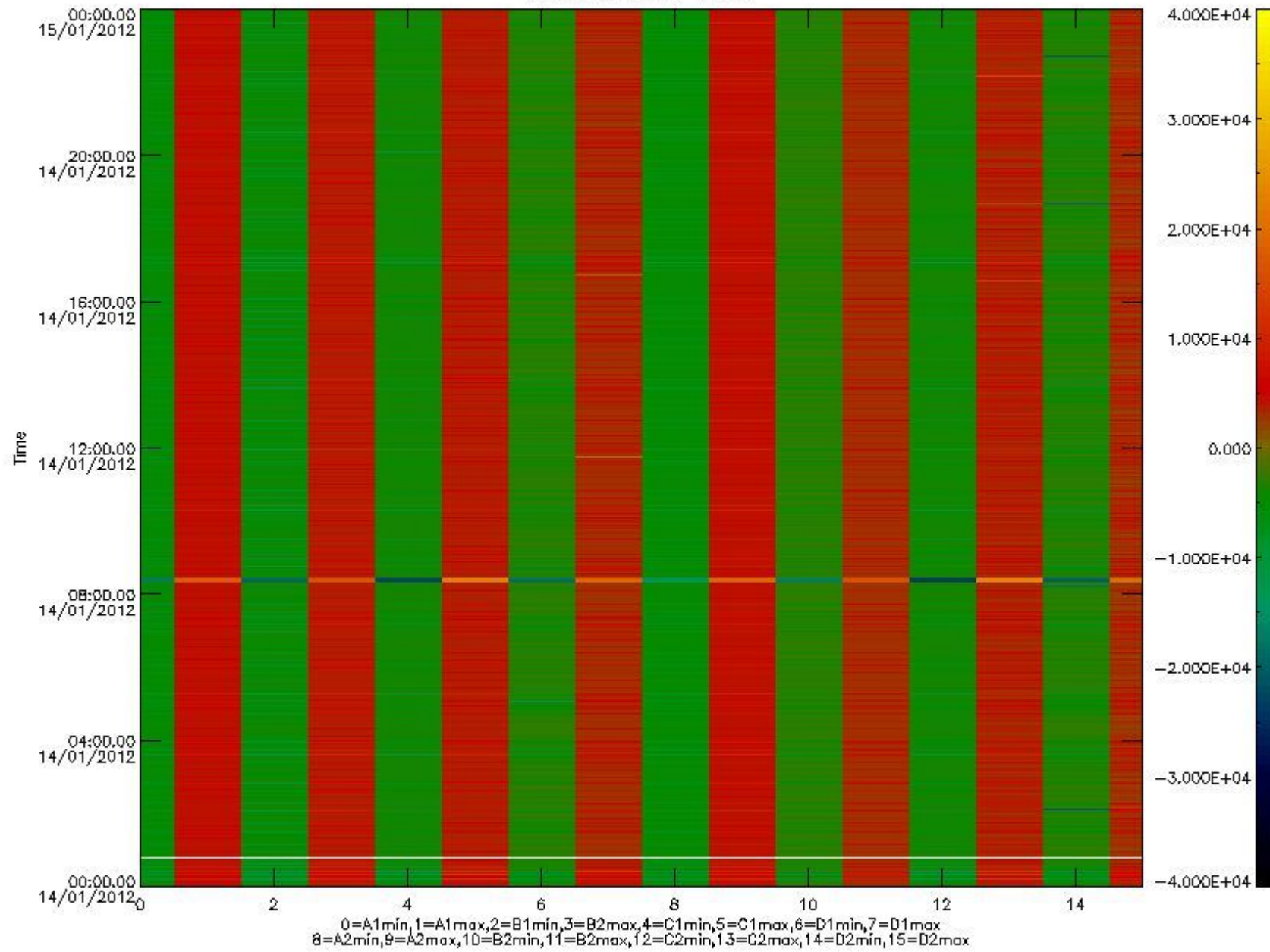


mipas_daily_report_level0_KSPT_L0_4504_N_20120114_10.PNG

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

Channel	Min	Max	ADC
A1	-17592	18571	16bit
B1	-19482	16858	16bit
C1	-24213	22989	16bit
D1	-22708	30507	16bit
A2	-15312	18780	16bit
B2	-17271	17009	16bit
C2	-24085	24798	16bit
D2	-32768	25726	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120114_11.PNG

0.3 ADF monitoring

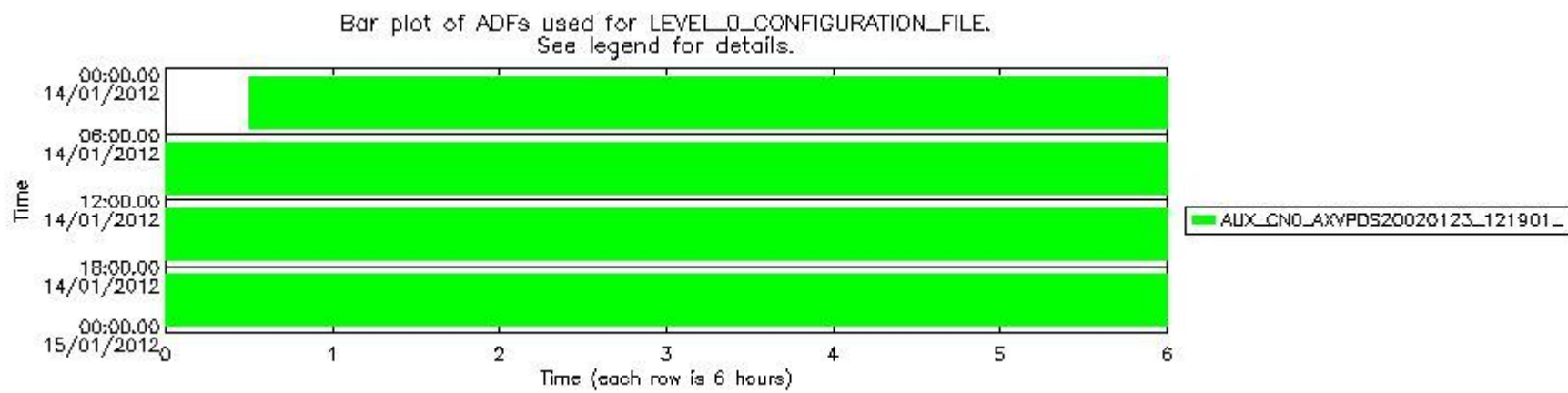
The use of ADFs is shown in two ways:

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.

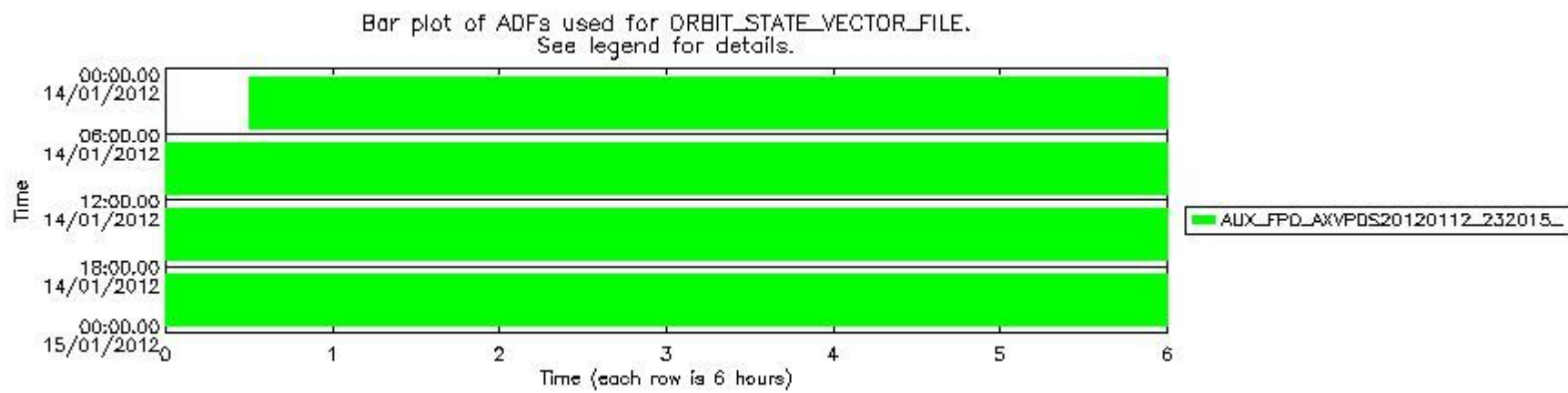
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120112_232015_20120112_183719_20120122_205100

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120114_002957_000058673110_00332_51639_5343.N1	0	1

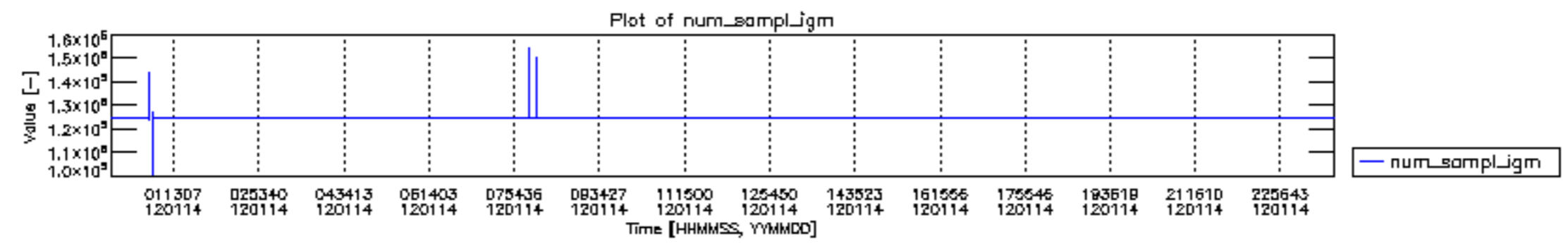
1	MIP_NL__0PNPDE20120114_020646_000044833110_00333_51640_5344.N1	0	1
2	MIP_NL__0PNPDE20120114_032053_000061543110_00334_51641_5345.N1	0	1
3	MIP_NL__0PNPDE20120114_050256_000060543110_00335_51642_5346.N1	0	1
4	MIP_NL__0PNPDK20120114_064316_000040253110_00336_51643_8261.N1	0	1
5	MIP_NL__0PNPDK20120114_074923_000060303110_00337_51644_8262.N1	0	1
6	MIP_NL__0PNPDK20120114_092811_000061193110_00338_51645_8263.N1	0	1
7	MIP_NL__0PNPDK20120114_110819_000060943110_00339_51646_8264.N1	0	1
8	MIP_NL__0PNPDK20120114_124854_000060063110_00340_51647_8265.N1	0	1
9	MIP_NL__0PNPDK20120114_142757_000058433110_00341_51648_8266.N1	0	1
10	MIP_NL__0PNPDK20120114_160420_000059703110_00342_51649_8267.N1	0	1
11	MIP_NL__0PNPDK20120114_174241_000057323110_00343_51650_8268.N1	0	1
12	MIP_NL__0PNPDK20120114_191715_000063023110_00344_51651_8269.N1	0	1
13	MIP_NL__0PNPDE20120114_210014_000043933110_00345_51652_5347.N1	0	1
14	MIP_NL__0PNPDE20120114_221220_000060853110_00345_51652_5348.N1	0	1
15	MIP_NL__0PNPDE20120114_235237_000059833110_00346_51653_5349.N1	0	1

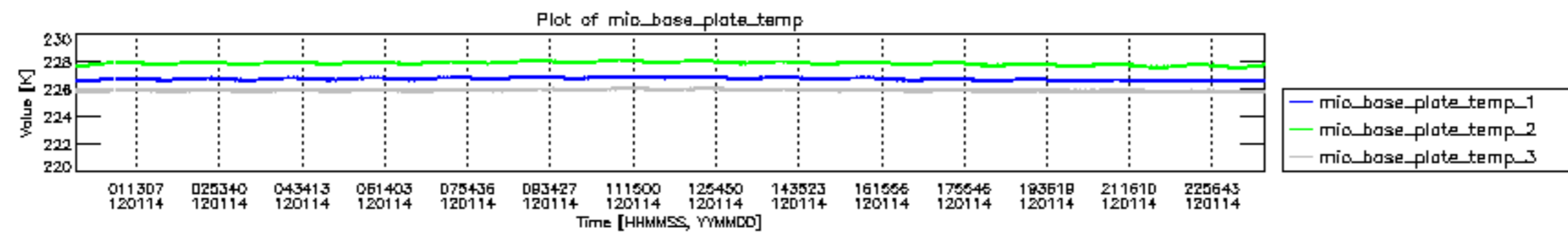


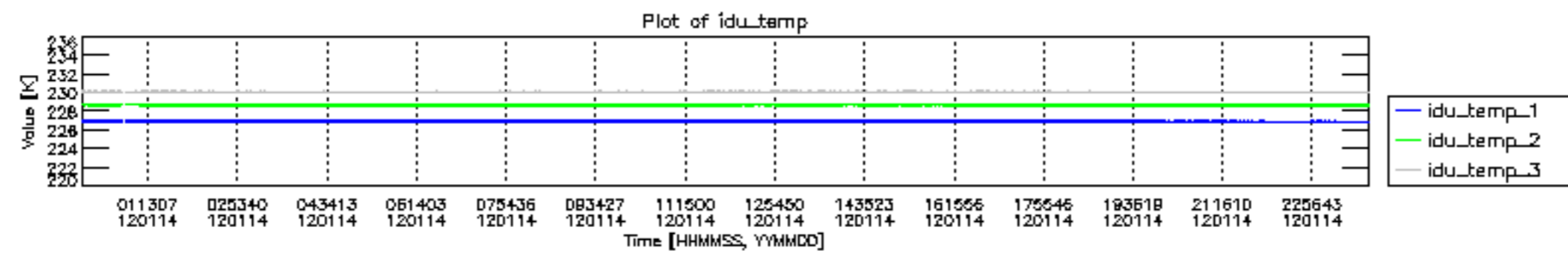
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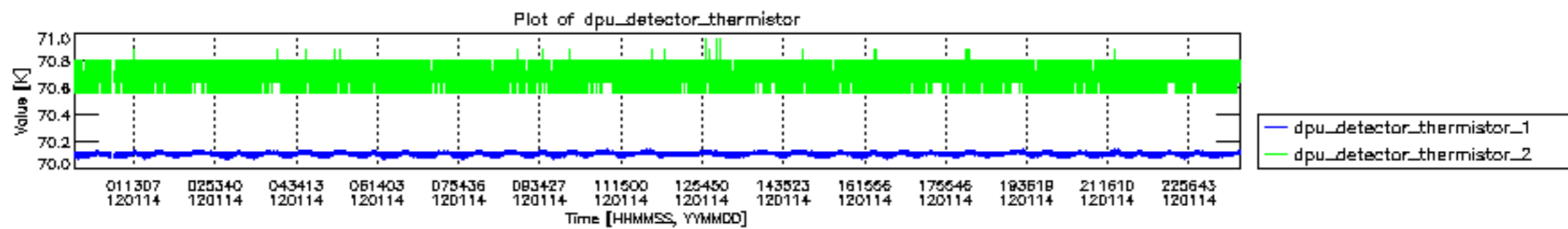


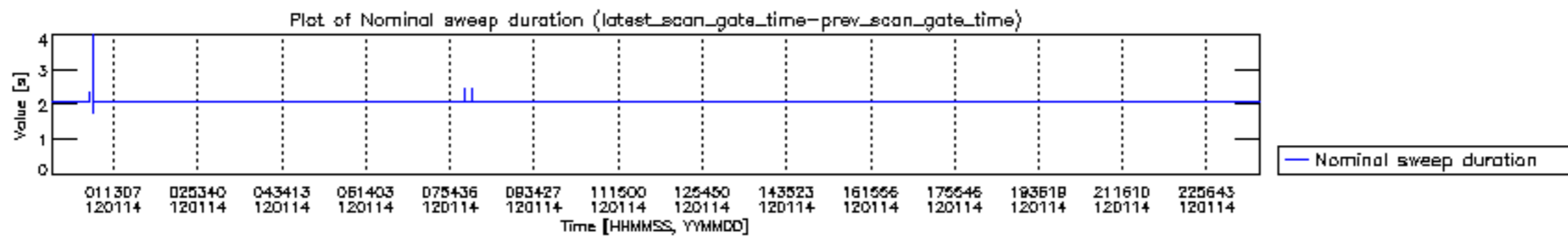
mipas_daily_report_level0_KSPT_L0_4504_N_20120114_13.PNG

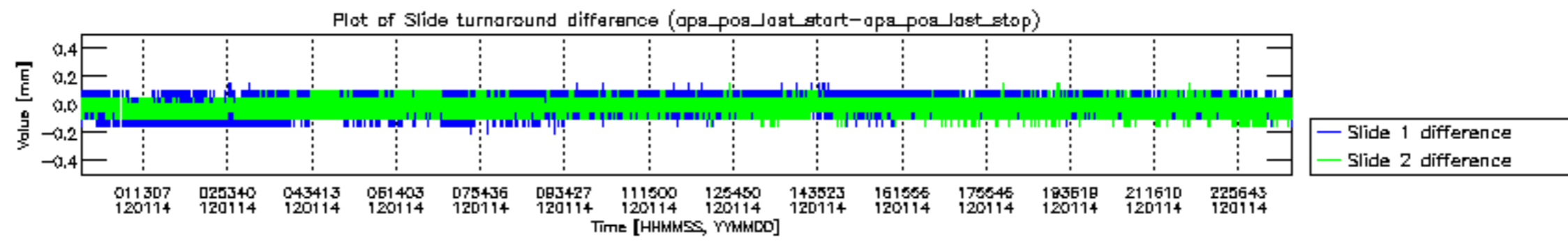


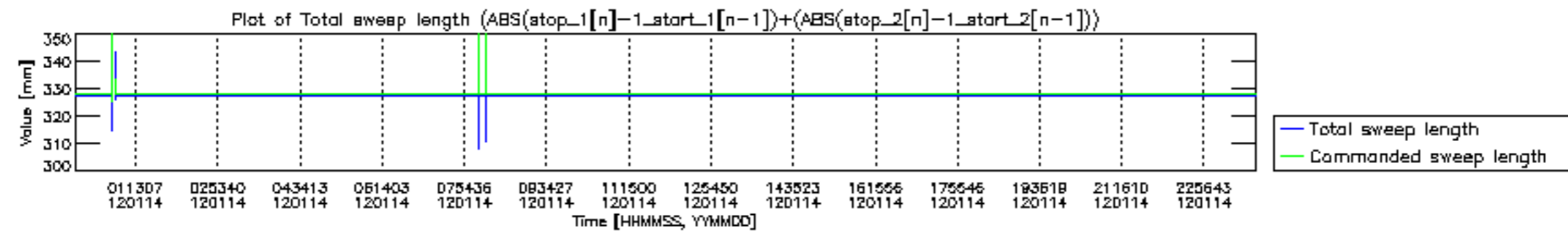


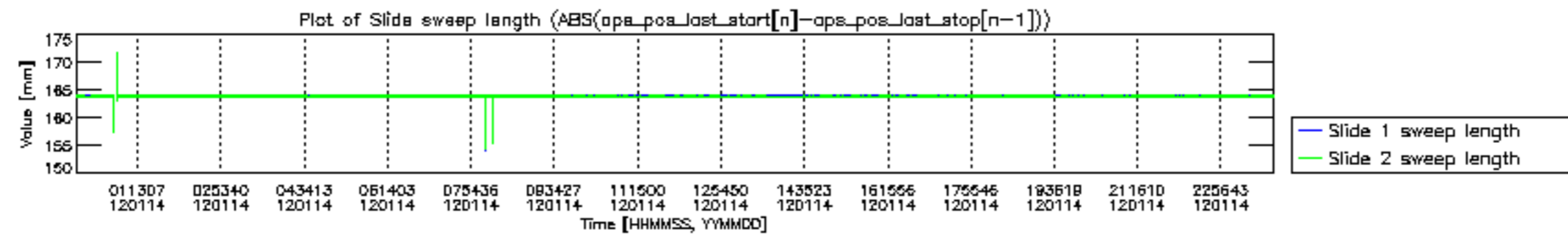


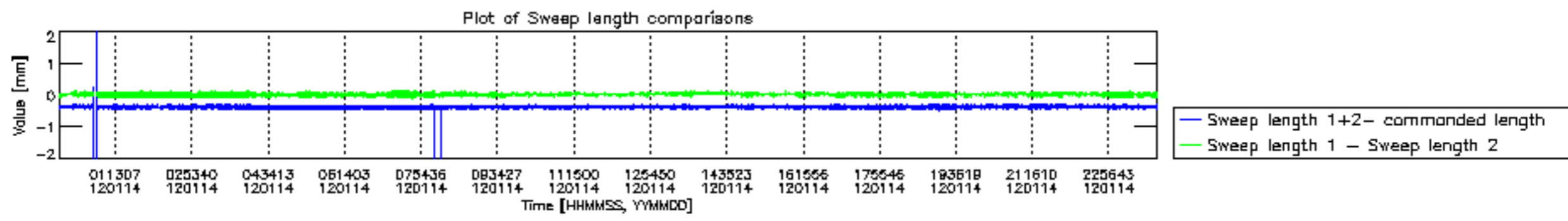


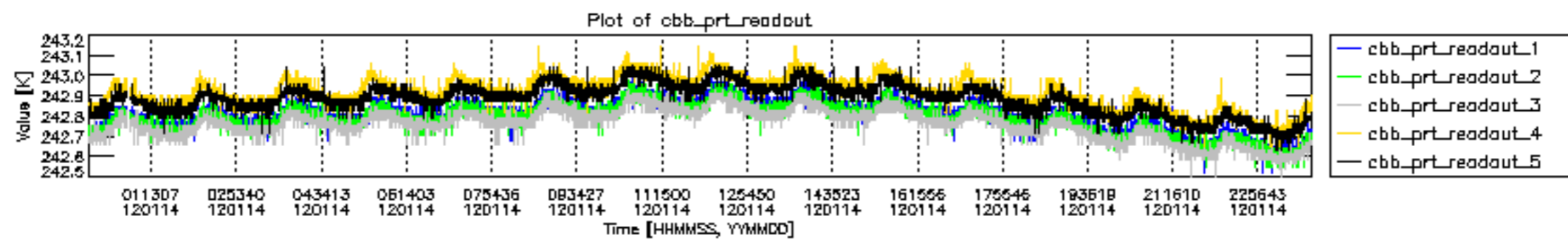


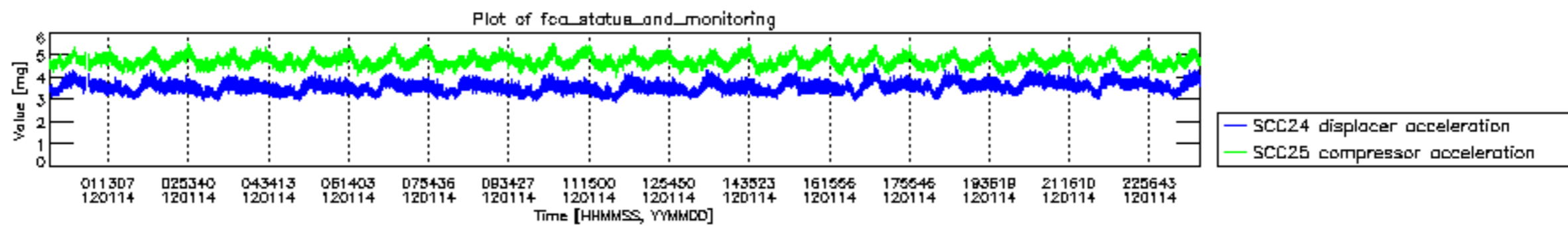












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

