

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	20JAN2011 05:23:53
Data source version	KSPT_L0/4504-N
Processing scope for products	15JAN2011 00:00:00 to 16JAN2011 00:00:00
Start time of first product within scope	15JAN2011 01:11:44
Stop time of last product within scope	16JAN2011 00:36:49
Total number of level 0 products	14
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__0PNPDE20110115_011144_000102223098_00275_46410_2717.N1	15JAN2011 01:11:44	15JAN2011 04:02:06	0	0	0	0	0
1	MIP_NL__0PNPDE20110115_040133_000062323098_00277_46412_2718.N1	15JAN2011 04:01:33	15JAN2011 05:45:25	0	0	0	0	0
2	MIP_NL__0PNPDE20110115_054453_000061543098_00278_46413_2719.N1	15JAN2011 05:44:53	15JAN2011 07:27:28	0	0	0	0	0
3	MIP_NL__0PNPDK20110115_072648_000039093098_00279_46414_4026.N1	15JAN2011 07:26:48	15JAN2011 08:31:57	0	0	0	0	0
4	MIP_NL__0PNPDK20110115_083058_000061403098_00280_46415_4027.N1	15JAN2011 08:30:58	15JAN2011 10:13:18	0	0	0	0	0
5	MIP_NL__0PNPDK20110115_101140_000060403098_00281_46416_4028.N1	15JAN2011 10:11:40	15JAN2011 11:52:19	0	0	0	0	0
6	MIP_NL__0PNPDK20110115_115104_000059753098_00282_46417_4029.N1	15JAN2011 11:51:04	15JAN2011 13:30:39	0	0	0	0	0
7	MIP_NL__0PNPDK20110115_132943_000059273098_00283_46418_4030.N1	15JAN2011 13:29:43	15JAN2011 15:08:29	0	0	0	0	0
8	MIP_NL__0PNPDK20110115_150756_000059813098_00284_46419_4031.N1	15JAN2011 15:07:56	15JAN2011 16:47:37	0	0	0	0	0
9	MIP_NL__0PNPDK20110115_164701_000057853098_00285_46420_4032.N1	15JAN2011 16:47:01	15JAN2011 18:23:26	0	0	0	0	0
10	MIP_NL__0PNPDK20110115_182223_000059643098_00286_46421_4033.N1	15JAN2011 18:22:23	15JAN2011 20:01:48	0	0	0	0	0
11	MIP_NL__0PNPDE20110115_195955_000042183098_00287_46422_2720.N1	15JAN2011 19:59:55	15JAN2011 21:10:13	0	0	0	0	0
12	MIP_NL__0PNPDE20110115_210845_000064033098_00287_46422_2721.N1	15JAN2011 21:08:45	15JAN2011 22:55:28	0	0	0	0	0
13	MIP_NL__0PNPDE20110115_225425_000061443098_00288_46423_2722.N1	15JAN2011 22:54:25	16JAN2011 00:36:49	0	0	0	0	0

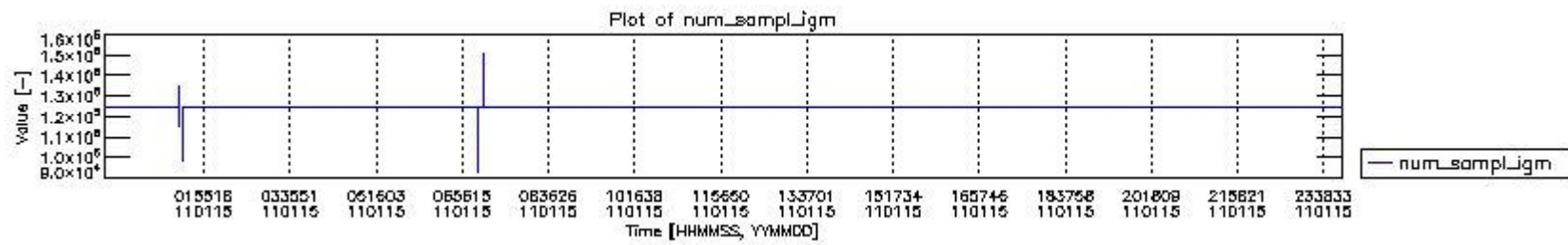
0.2 Instrument Operational Performance Parameters

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.

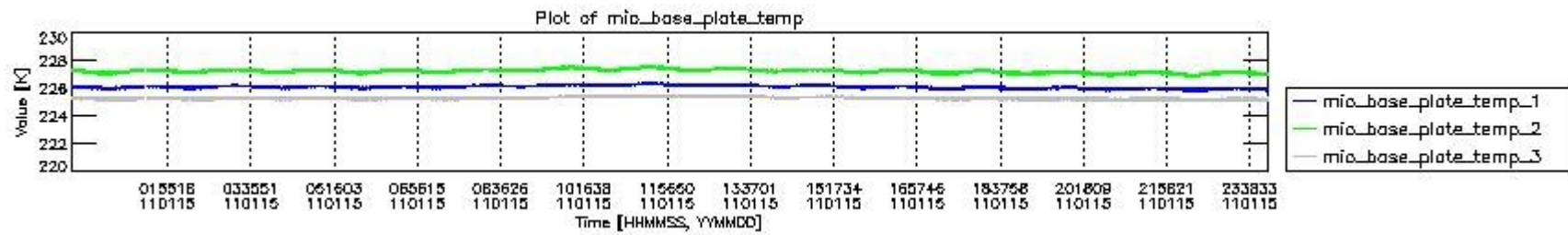
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
92556	1	0.0024102774
98612	1	0.0024102774
98699	1	0.0024102774
114744	1	0.0024102774

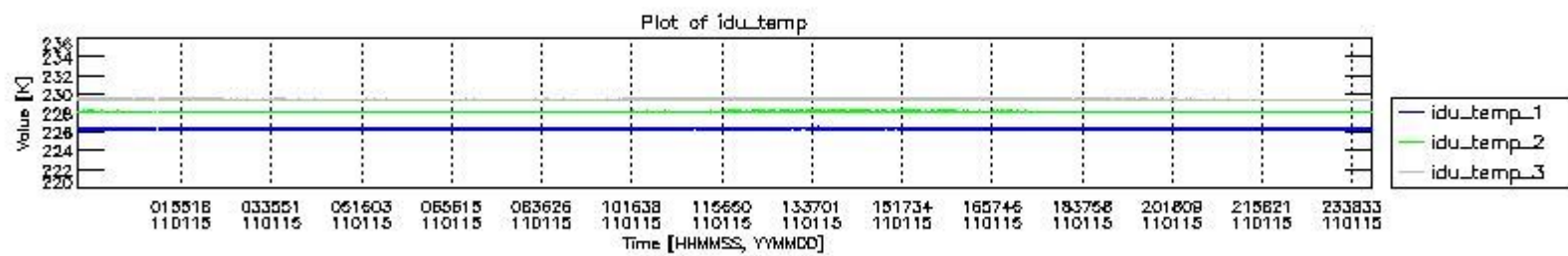
118744	1	0.0024102774
123102	1	0.0024102774
123951	1	0.0024102774
124800	38565	92.952349
124803	2912	7.0187279
124820	1	0.0024102774
127456	1	0.0024102774
134876	1	0.0024102774
147588	1	0.0024102774
150244	1	0.0024102774



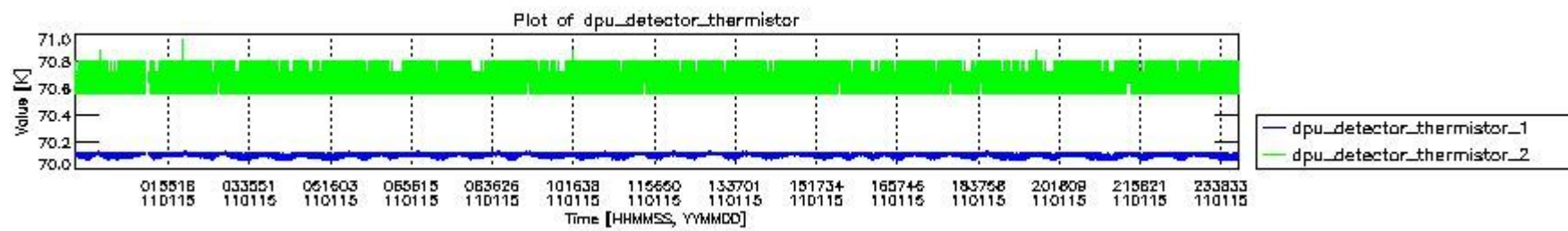
mipas_daily_report_level0_KSPT_L0_4504_N_20110115_0.PNG



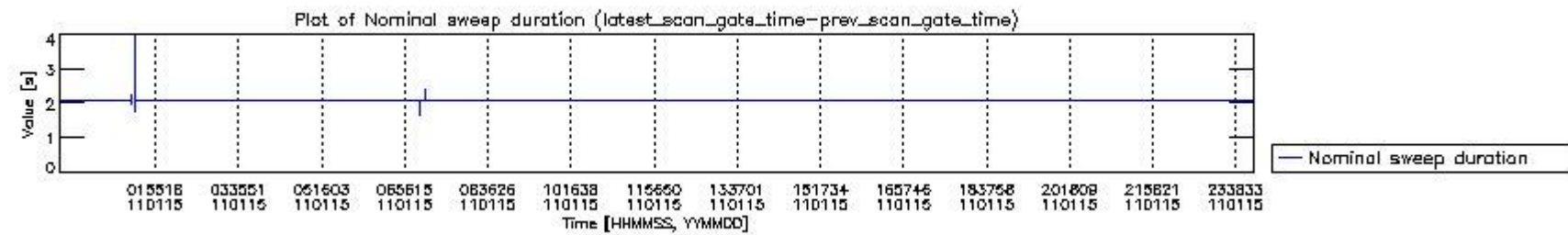
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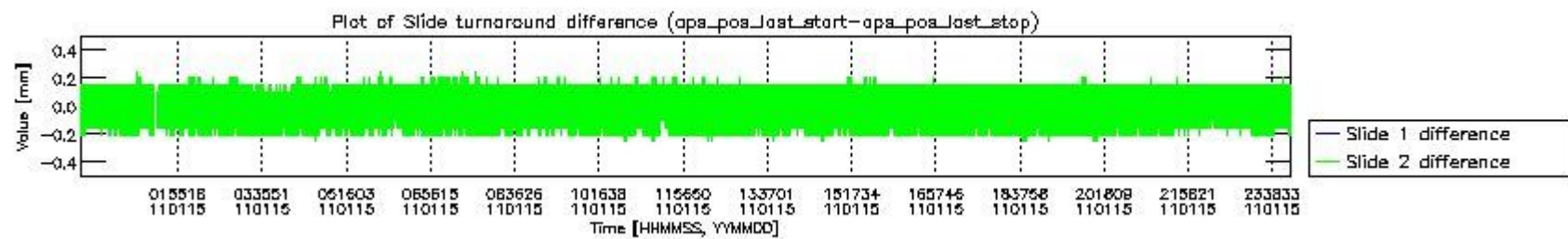
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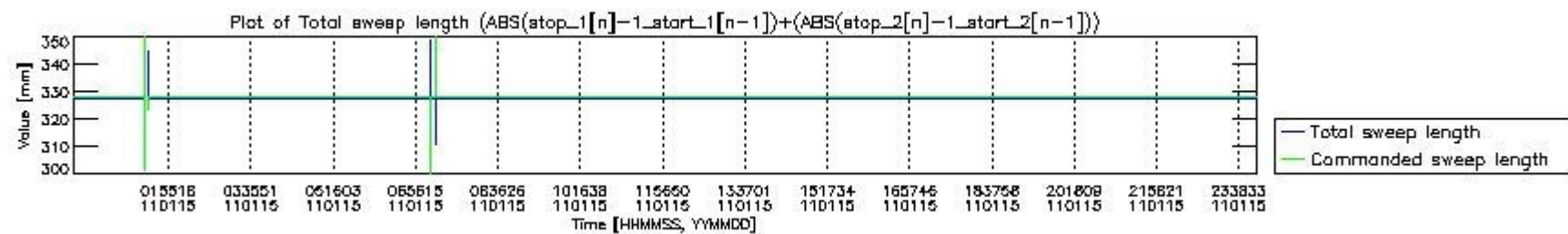
mipas_daily_report_level0_KSPT_L0_4504_N_20110115_3.PNG



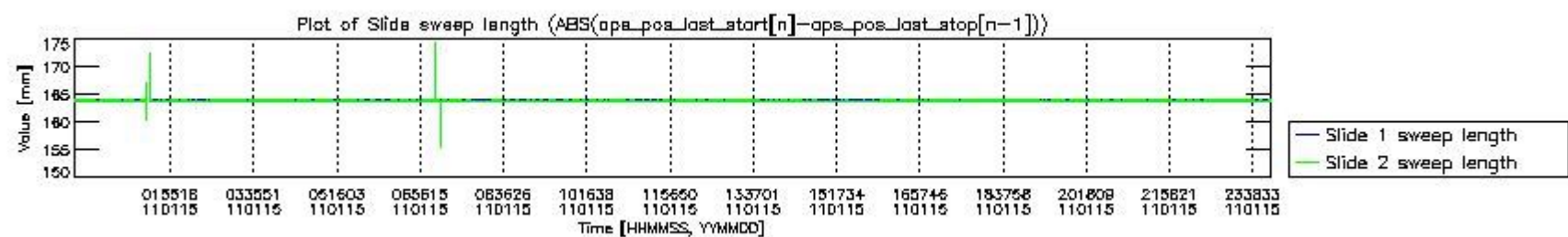
mipas_daily_report_level0_KSPT_L0_4504_N_20110115_4.PNG



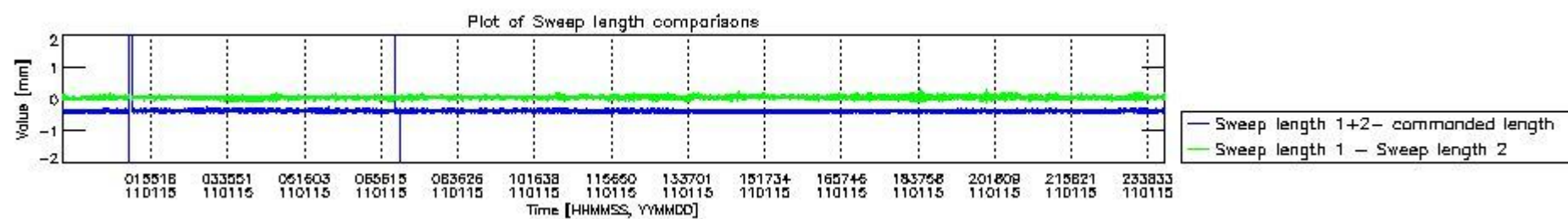
mipas_daily_report_level0_KSPT_L0_4504_N_20110115_5.PNG



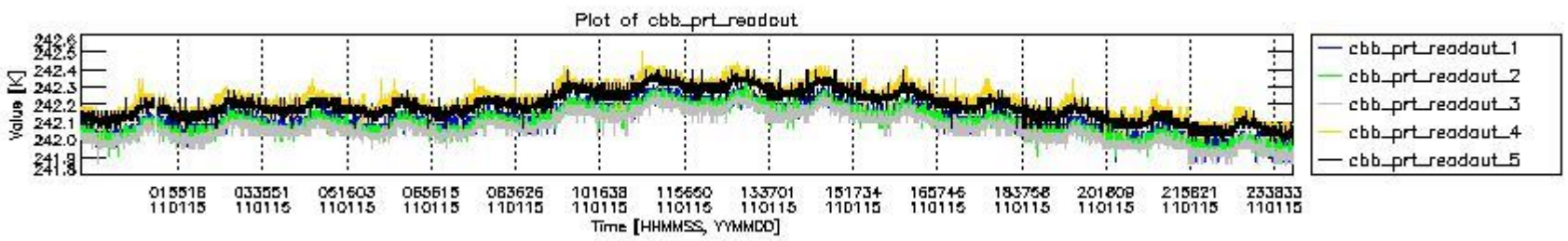
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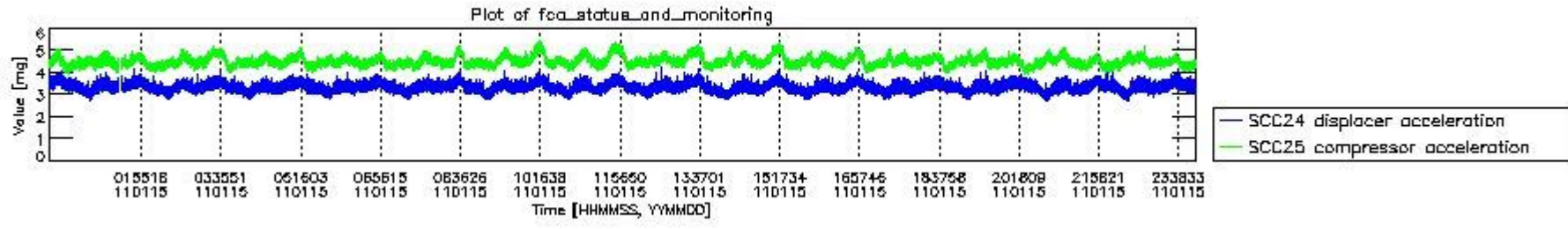
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mipas_daily_report_level0_KSPT_L0_4504_N_20110115_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110115_9.PNG

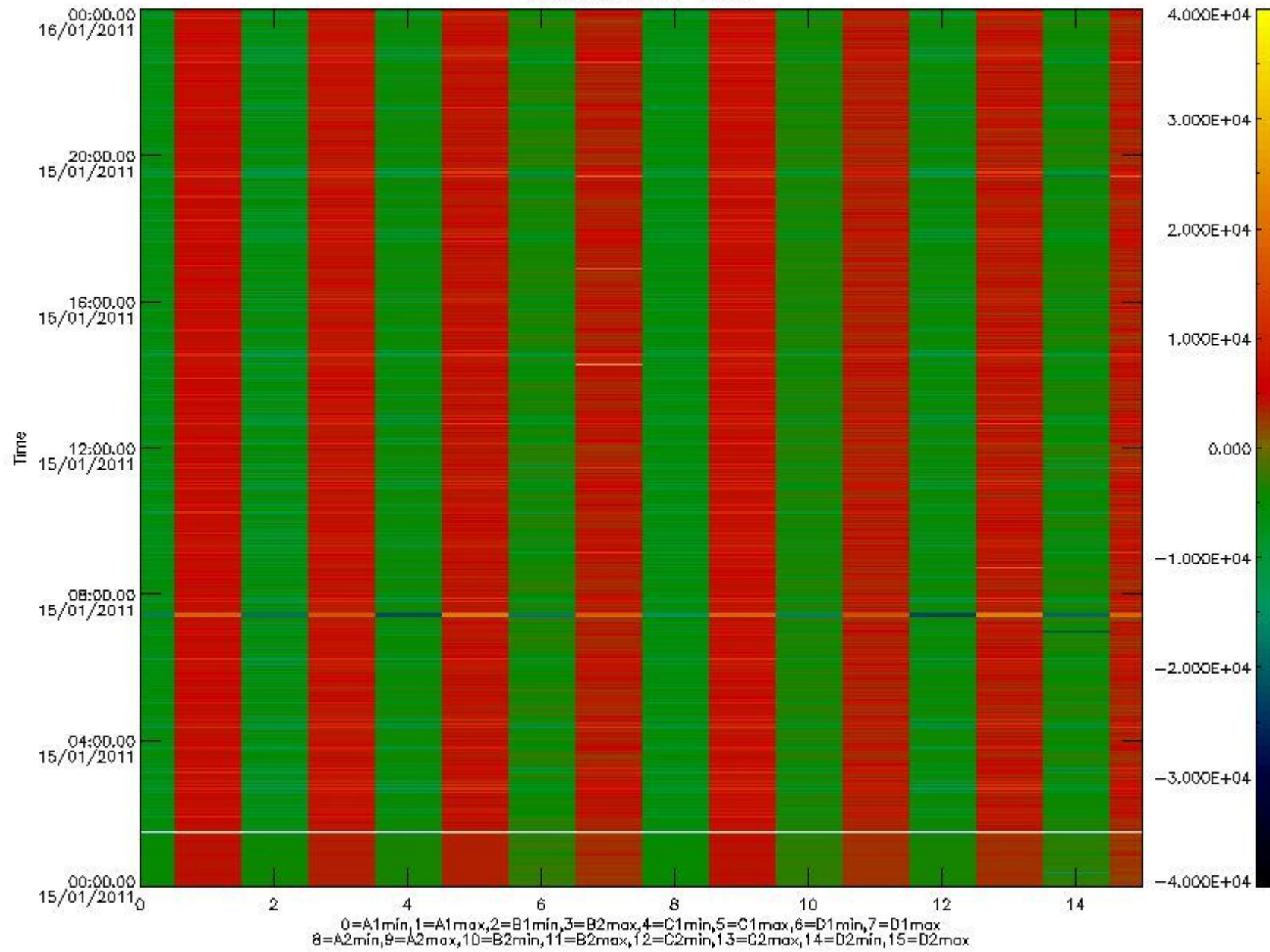


mipas_daily_report_level0_KSPT_L0_4504_N_20110115_10.PNG

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

Channel	Min	Max	ADC
A1	-17699	18727	16bit
B1	-19140	16618	16bit
C1	-24163	22410	16bit
D1	-32768	32767	16bit
A2	-15343	18851	16bit
B2	-17184	16907	16bit
C2	-23354	24324	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110115_11.PNG

0.3 ADF monitoring

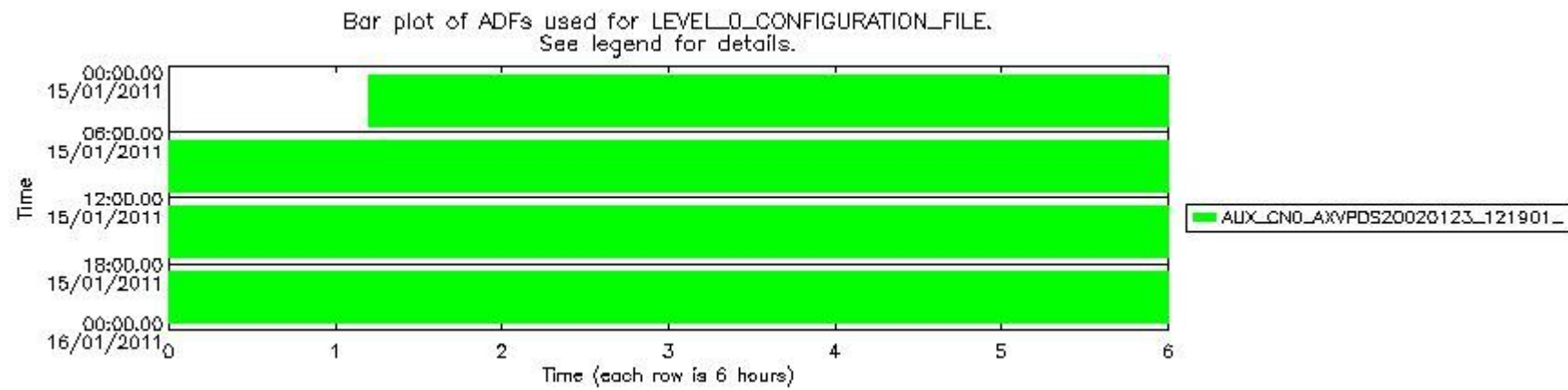
The use of ADFs is shown in two ways:

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.

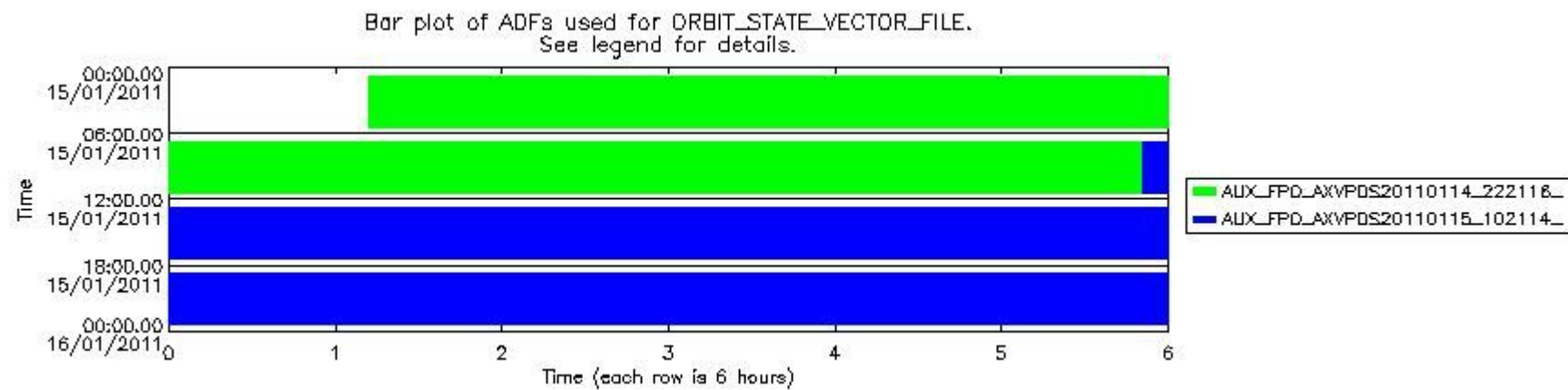
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110114_222116_20110113_091753_20110123_113146
2	AUX_FPO_AXVPDS20110115_102114_20110114_184234_20110124_205626

Number	Product name	#CN0	#FPO
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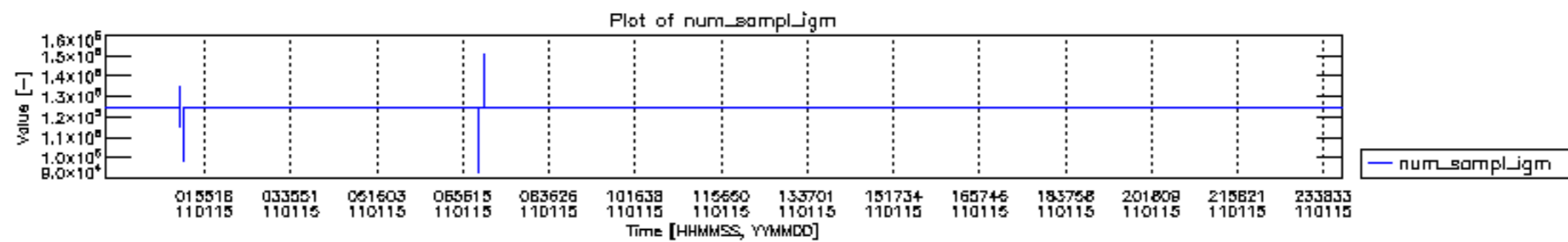
0	MIP_NL__0PNPDE20110115_011144_000102223098_00275_46410_2717.N1	0	1
1	MIP_NL__0PNPDE20110115_040133_000062323098_00277_46412_2718.N1	0	1
2	MIP_NL__0PNPDE20110115_054453_000061543098_00278_46413_2719.N1	0	1
3	MIP_NL__0PNPDK20110115_072648_000039093098_00279_46414_4026.N1	0	1
4	MIP_NL__0PNPDK20110115_083058_000061403098_00280_46415_4027.N1	0	1
5	MIP_NL__0PNPDK20110115_101140_000060403098_00281_46416_4028.N1	0	1
6	MIP_NL__0PNPDK20110115_115104_000059753098_00282_46417_4029.N1	0	2
7	MIP_NL__0PNPDK20110115_132943_000059273098_00283_46418_4030.N1	0	2
8	MIP_NL__0PNPDK20110115_150756_000059813098_00284_46419_4031.N1	0	2
9	MIP_NL__0PNPDK20110115_164701_000057853098_00285_46420_4032.N1	0	2
10	MIP_NL__0PNPDK20110115_182223_000059643098_00286_46421_4033.N1	0	2
11	MIP_NL__0PNPDE20110115_195955_000042183098_00287_46422_2720.N1	0	2
12	MIP_NL__0PNPDE20110115_210845_000064033098_00287_46422_2721.N1	0	2
13	MIP_NL__0PNPDE20110115_225425_000061443098_00288_46423_2722.N1	0	2

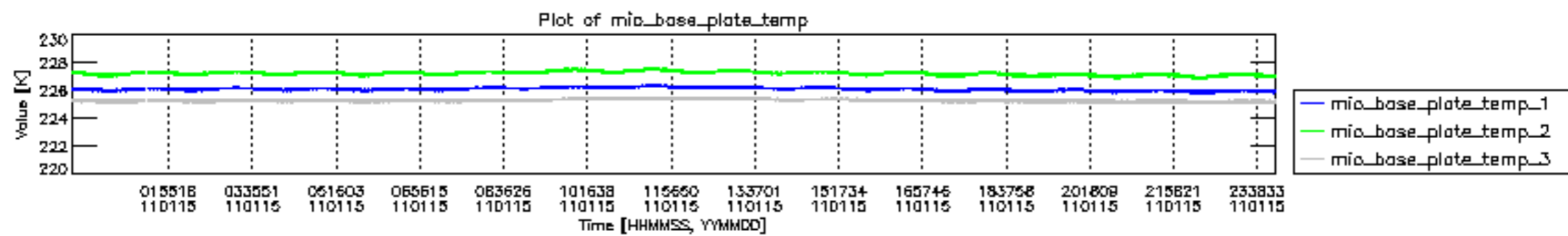


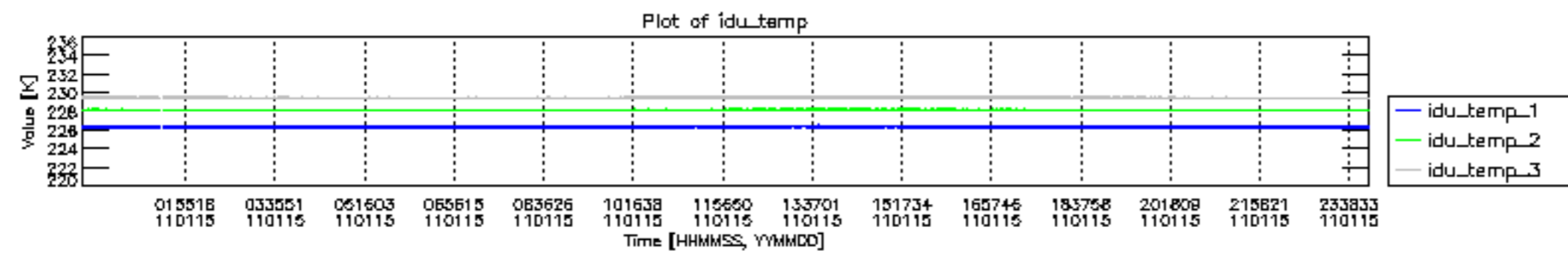
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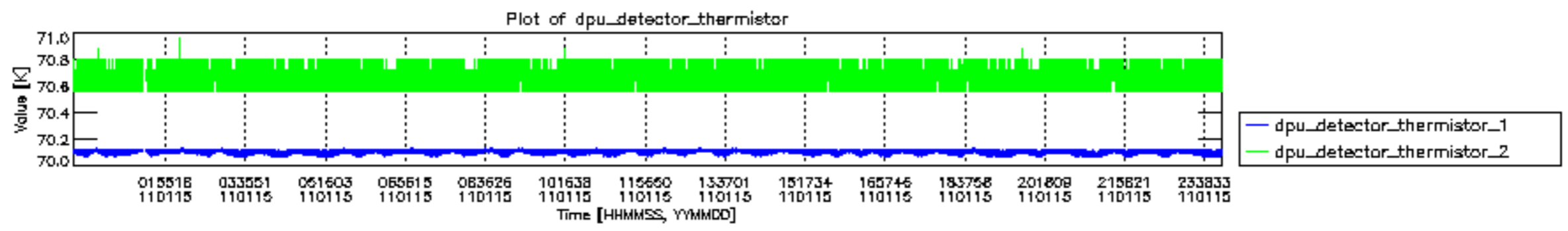


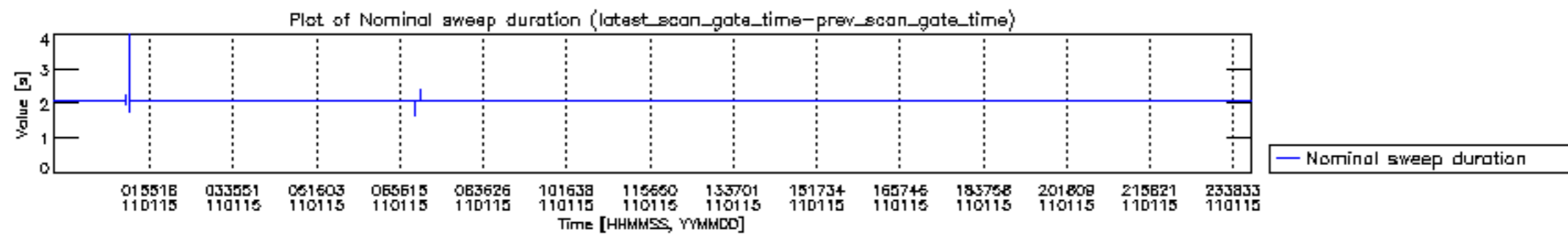
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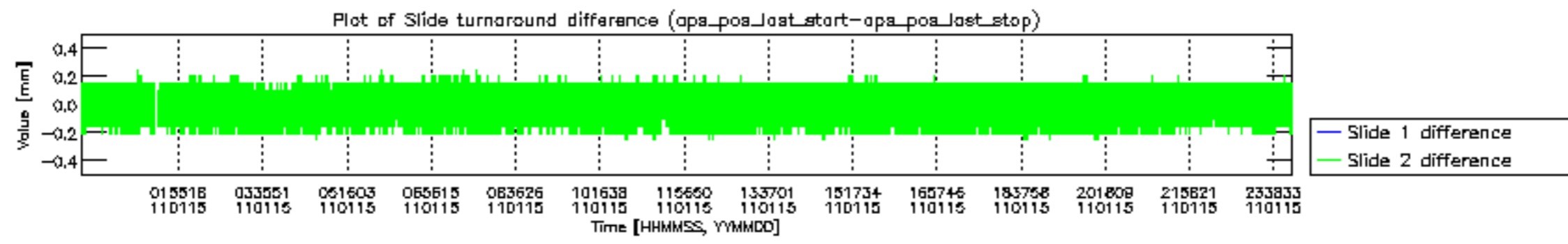


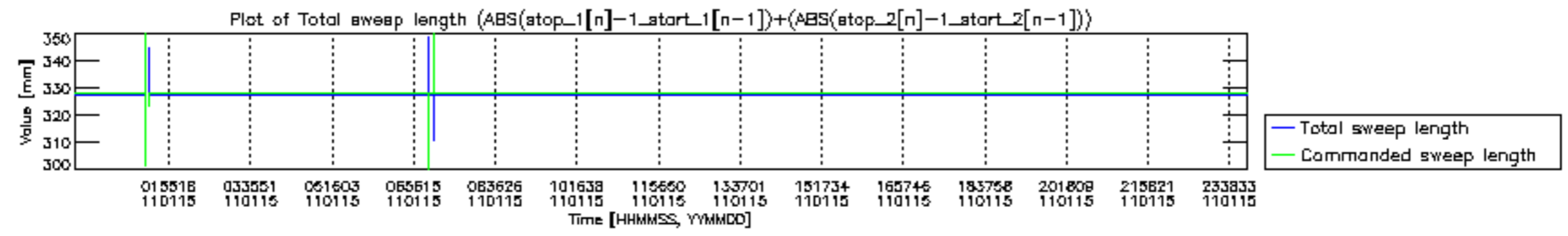


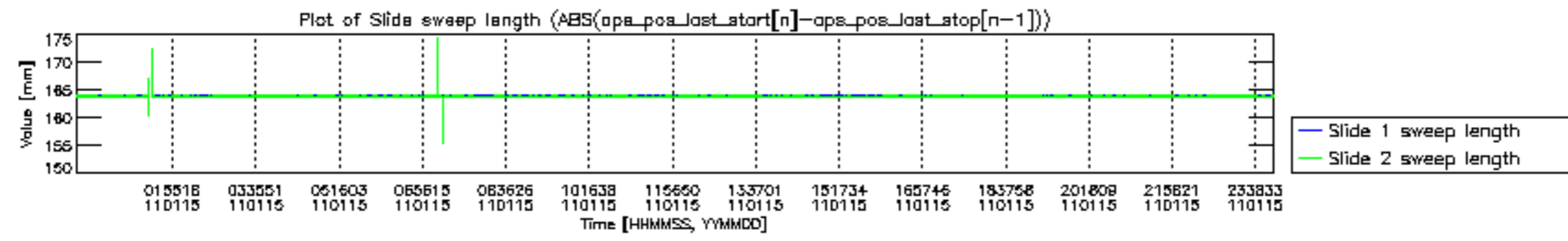


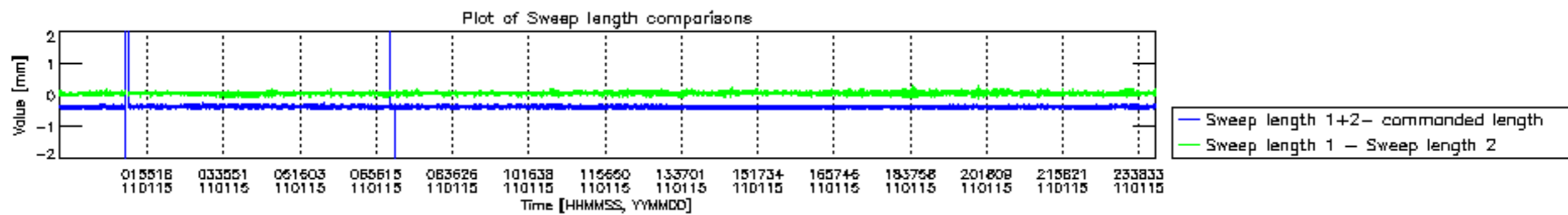


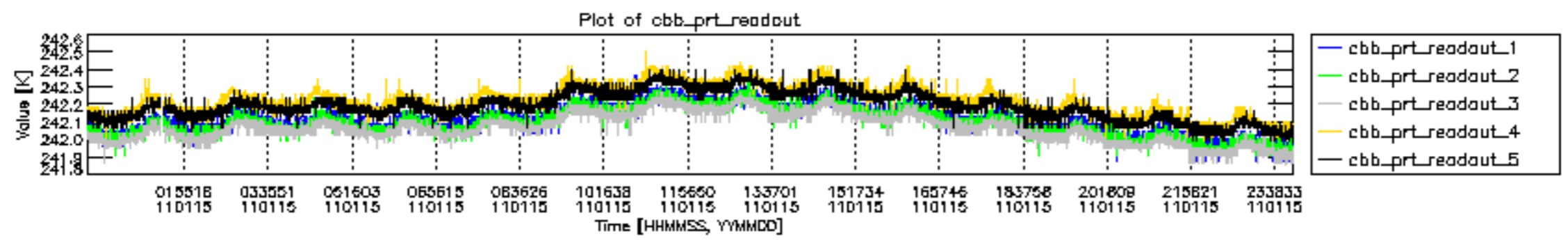


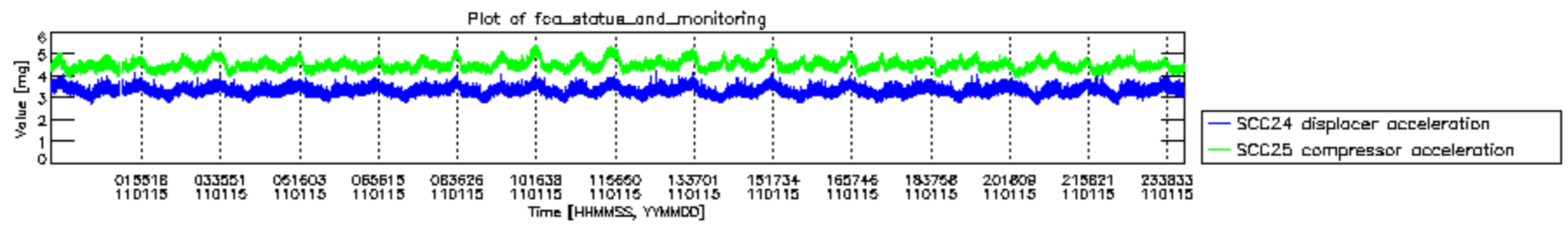












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

