

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	27JAN2012 05:24:50
Data source version	KSPT_L0/4504-N
Processing scope for products	22JAN2012 00:00:00 to 23JAN2012 00:00:00
Start time of first product within scope	22JAN2012 00:36:10
Stop time of last product within scope	23JAN2012 00:01:37
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__0PNPDE20120122_003610_000058703111_00016_51754_5400.N1	22JAN2012 00:36:10	22JAN2012 02:14:01	0	0	0	0	0
1	MIP_NL__0PNPDE20120122_021302_000045293111_00017_51755_5401.N1	22JAN2012 02:13:02	22JAN2012 03:28:31	0	0	0	0	0
2	MIP_NL__0PNPDE20120122_032758_000061153111_00018_51756_5402.N1	22JAN2012 03:27:58	22JAN2012 05:09:52	0	0	0	0	0
3	MIP_NL__0PNPDE20120122_050919_000060623111_00019_51757_5403.N1	22JAN2012 05:09:19	22JAN2012 06:50:21	0	0	0	0	0
4	MIP_NL__0PNPDK20120122_075706_000060583111_00021_51759_8339.N1	22JAN2012 07:57:06	22JAN2012 09:38:04	0	0	0	0	0
5	MIP_NL__0PNPDK20120122_093628_000061273111_00022_51760_8340.N1	22JAN2012 09:36:28	22JAN2012 11:18:35	0	0	0	0	0
6	MIP_NL__0PNPDK20120122_111659_000059593111_00023_51761_8341.N1	22JAN2012 11:16:59	22JAN2012 12:56:18	0	0	0	0	0
7	MIP_NL__0PNPDK20120122_125509_000060393111_00024_51762_8342.N1	22JAN2012 12:55:09	22JAN2012 14:35:49	0	0	0	0	0
8	MIP_NL__0PNPDK20120122_143450_000058203111_00025_51763_8343.N1	22JAN2012 14:34:50	22JAN2012 16:11:50	0	0	0	0	0
9	MIP_NL__0PNPDK20120122_161106_000059723111_00026_51764_8344.N1	22JAN2012 16:11:06	22JAN2012 17:50:39	0	0	0	0	0
10	MIP_NL__0PNPDK20120122_174938_000058893111_00027_51765_8345.N1	22JAN2012 17:49:38	22JAN2012 19:27:47	0	0	0	0	0
11	MIP_NL__0PNPDK20120122_192540_000061293111_00028_51766_8346.N1	22JAN2012 19:25:40	22JAN2012 21:07:49	0	0	0	0	0
12	MIP_NL__0PNPDE20120122_210541_000044063111_00029_51767_5404.N1	22JAN2012 21:05:41	22JAN2012 22:19:07	0	0	0	0	0
13	MIP_NL__0PNPDE20120122_221802_000062153111_00029_51767_5405.N1	22JAN2012 22:18:02	23JAN2012 00:01:37	0	0	0	0	0

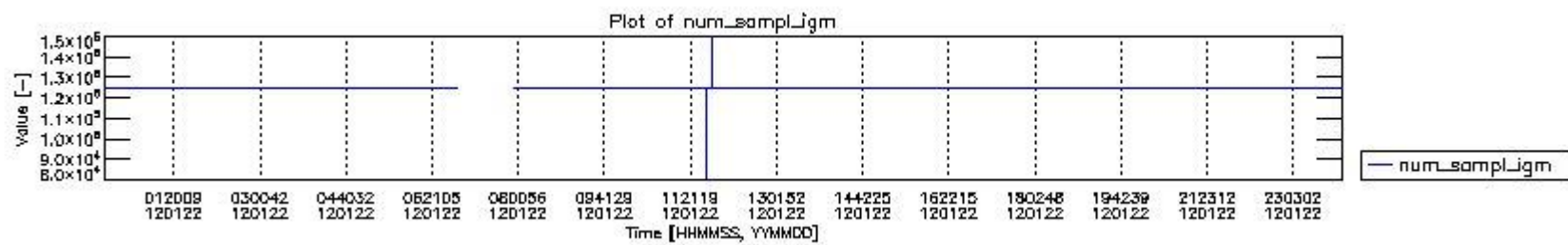
0.2 Instrument Operational Performance Parameters

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.

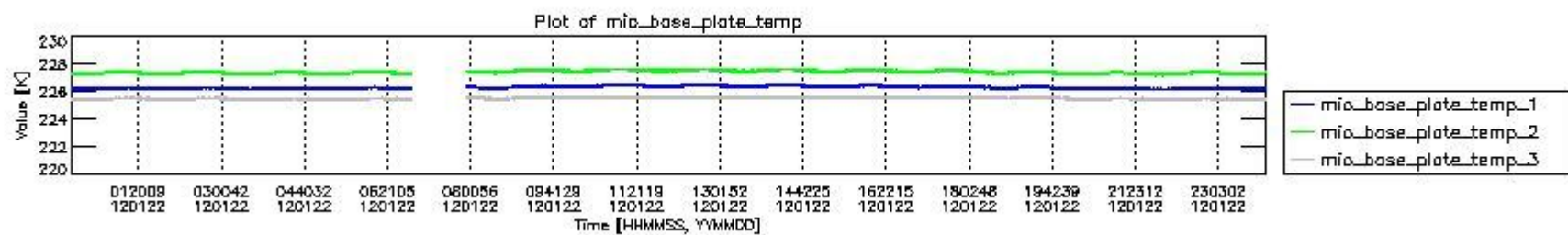
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80958	1	0.0025204789
92813	1	0.0025204789
112945	1	0.0025204789
124800	36854	92.889729

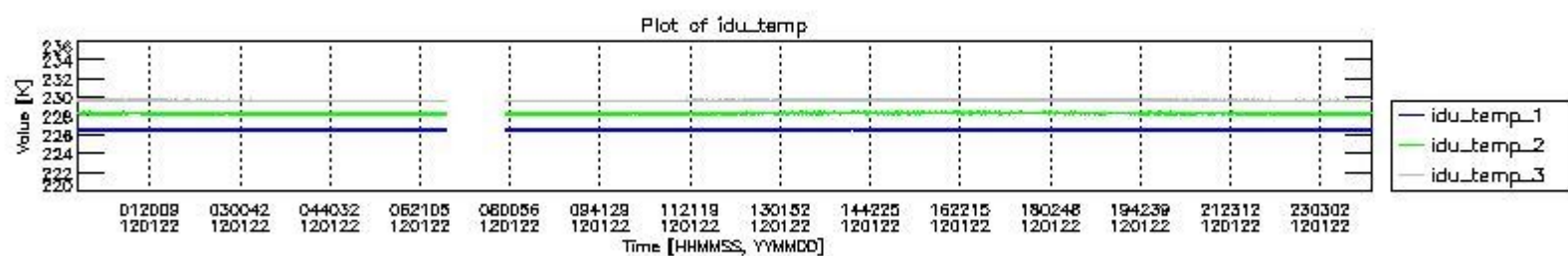
124803	2815	7.0951481
127308	1	0.0025204789
147440	1	0.0025204789
149948	1	0.0025204789



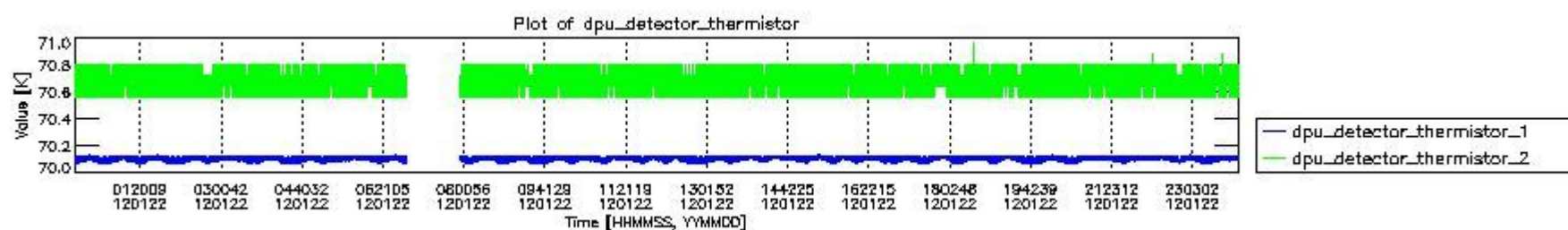
mipas_daily_report_level0_KSPT_L0_4504_N_20120122_0.PNG



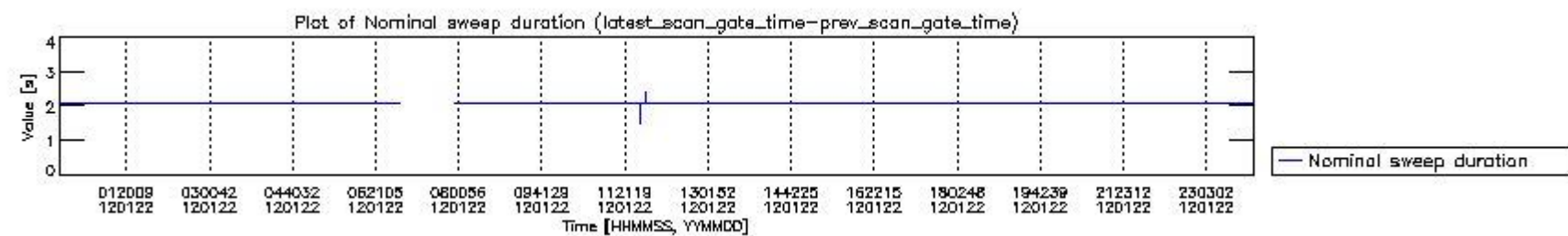
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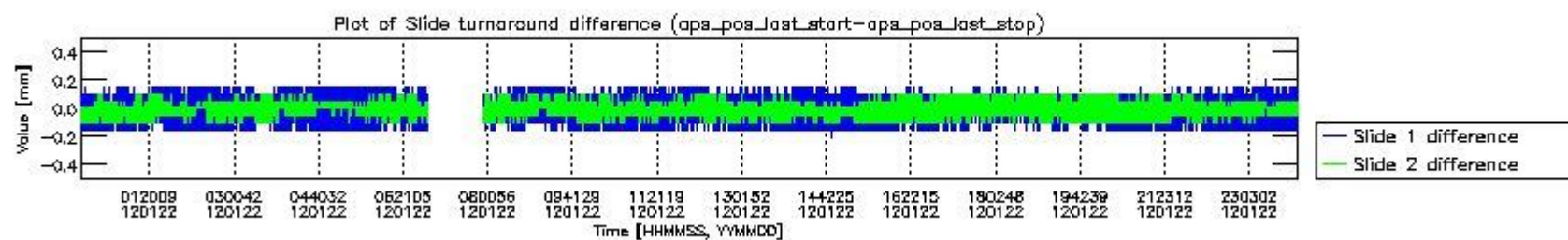
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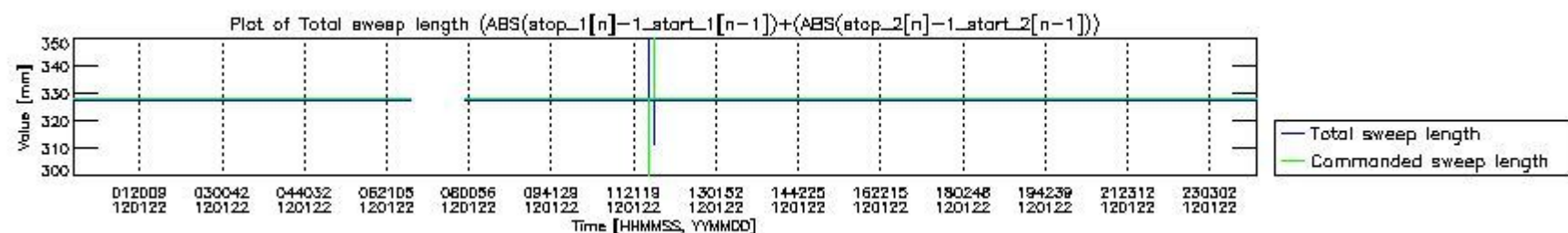
mipas_daily_report_level0_KSPT_L0_4504_N_20120122_3.PNG



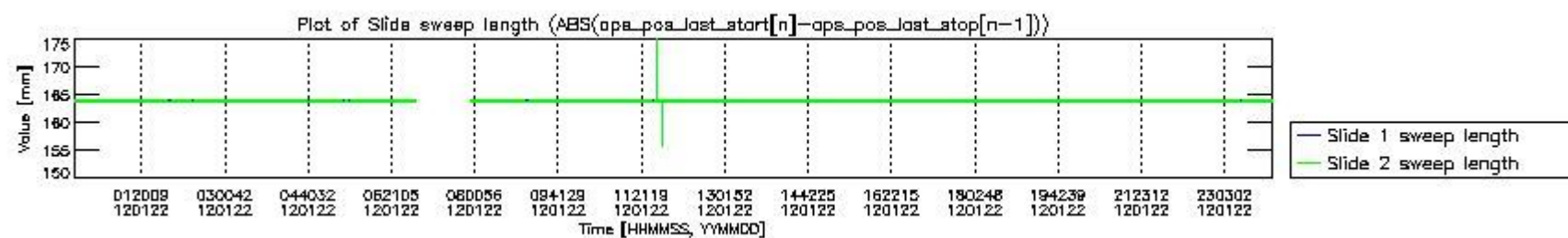
mipas_daily_report_level0_KSPT_L0_4504_N_20120122_4.PNG



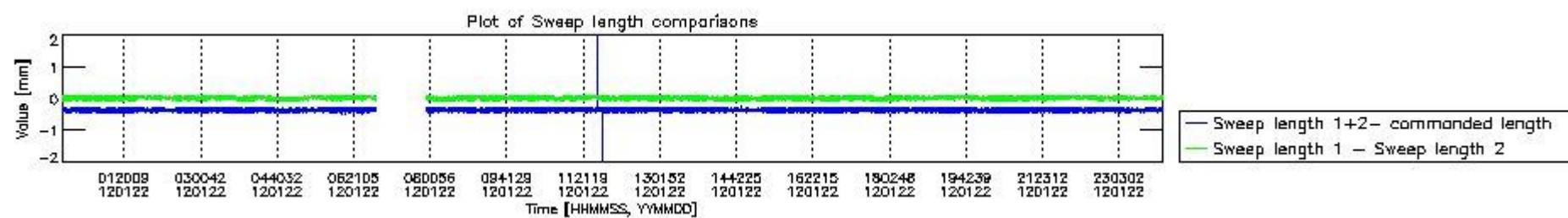
mipas_daily_report_level0_KSPT_L0_4504_N_20120122_5.PNG



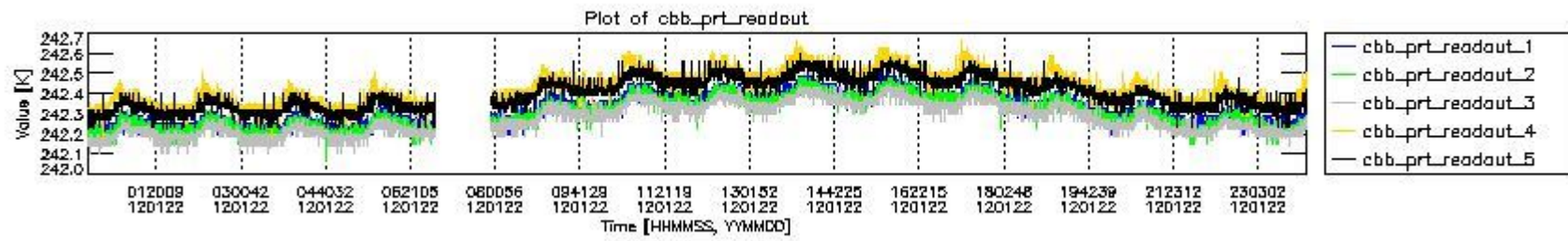
mipas_daily_report_level0_KSPT_L0_4504_N_20120122_6.PNG



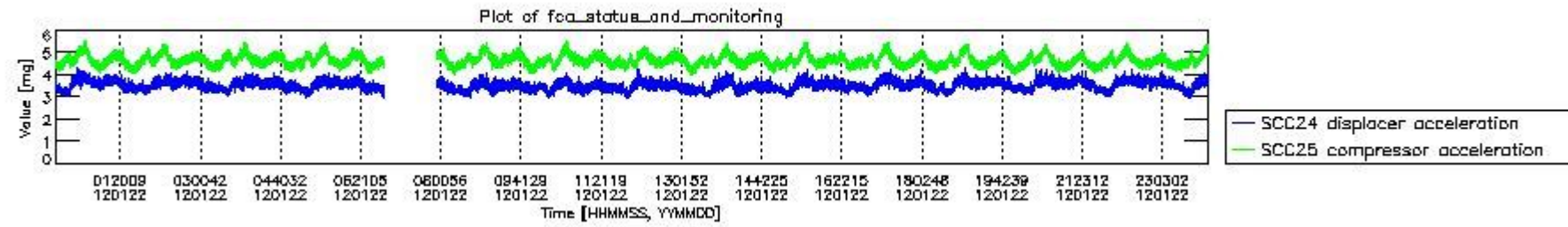
mipas_daily_report_level0_KSPT_L0_4504_N_20120122_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120122_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120122_9.PNG

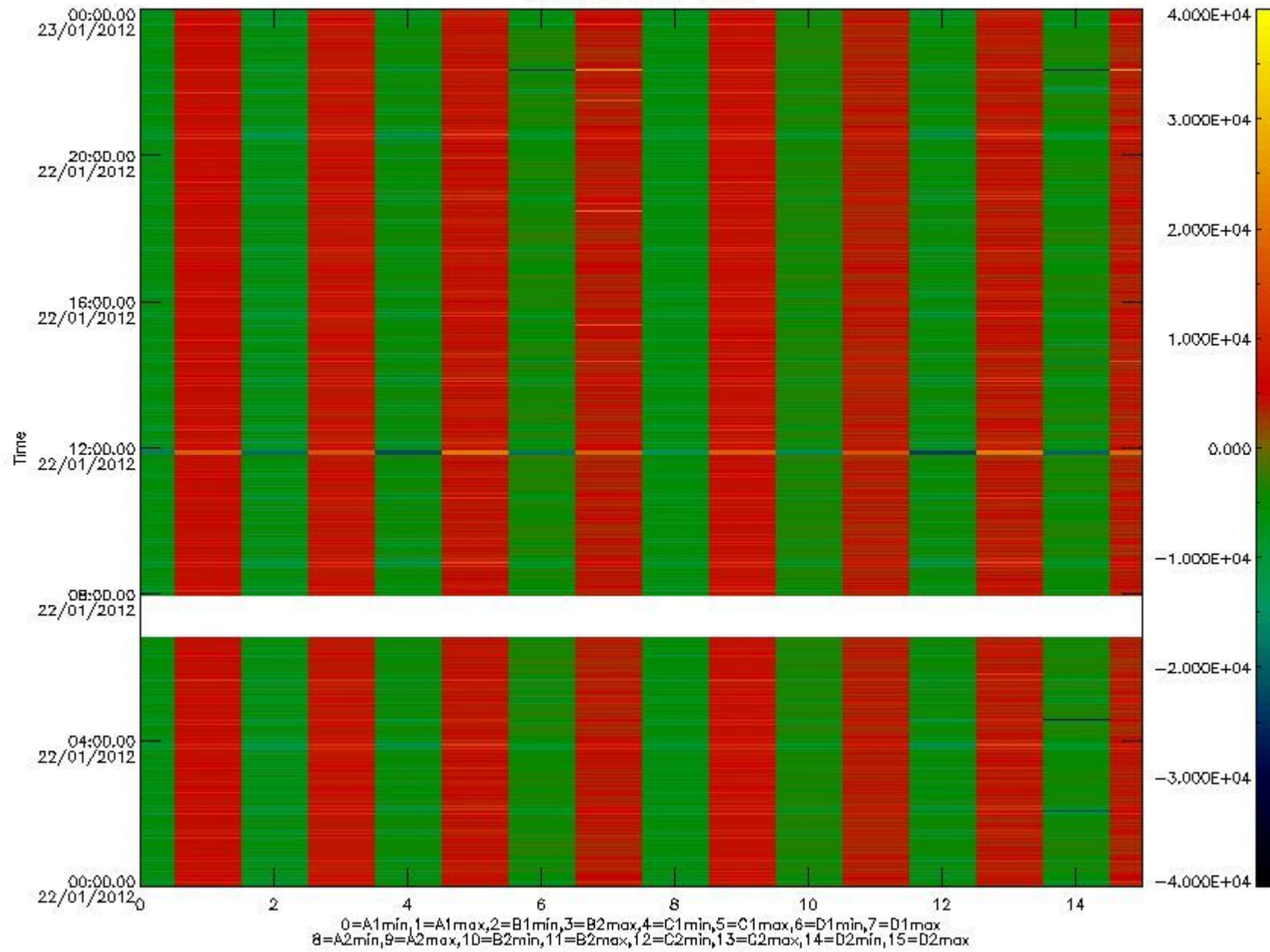


mipas_daily_report_level0_KSPT_L0_4504_N_20120122_10.PNG

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

Channel	Min	Max	ADC
A1	-17447	18407	16bit
B1	-19210	16654	16bit
C1	-24506	22526	16bit
D1	-29037	32767	16bit
A2	-15198	18608	16bit
B2	-16992	16736	16bit
C2	-23634	24436	16bit
D2	-32768	32052	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120122_11.PNG

0.3 ADF monitoring

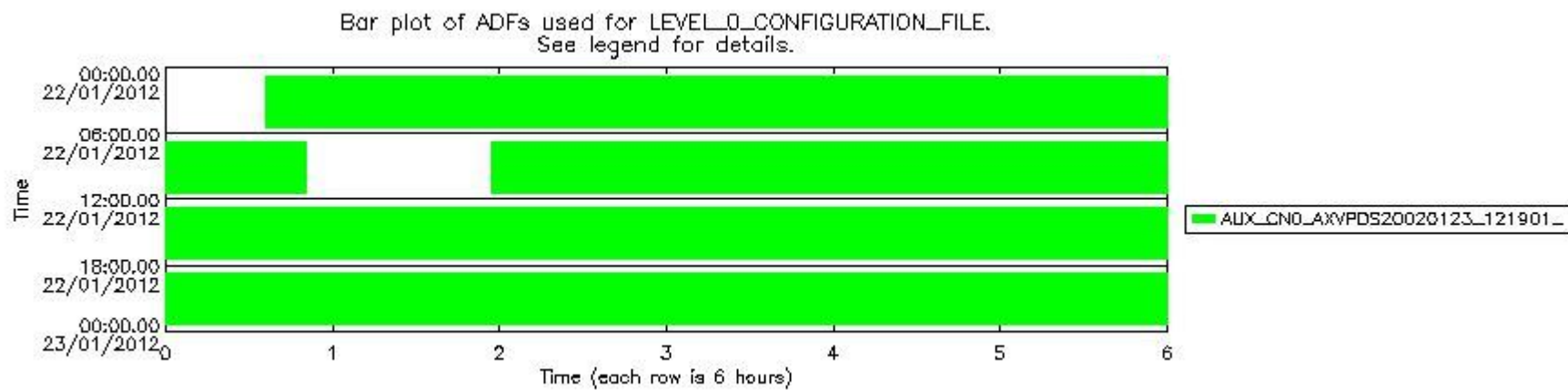
The use of ADFs is shown in two ways:

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.

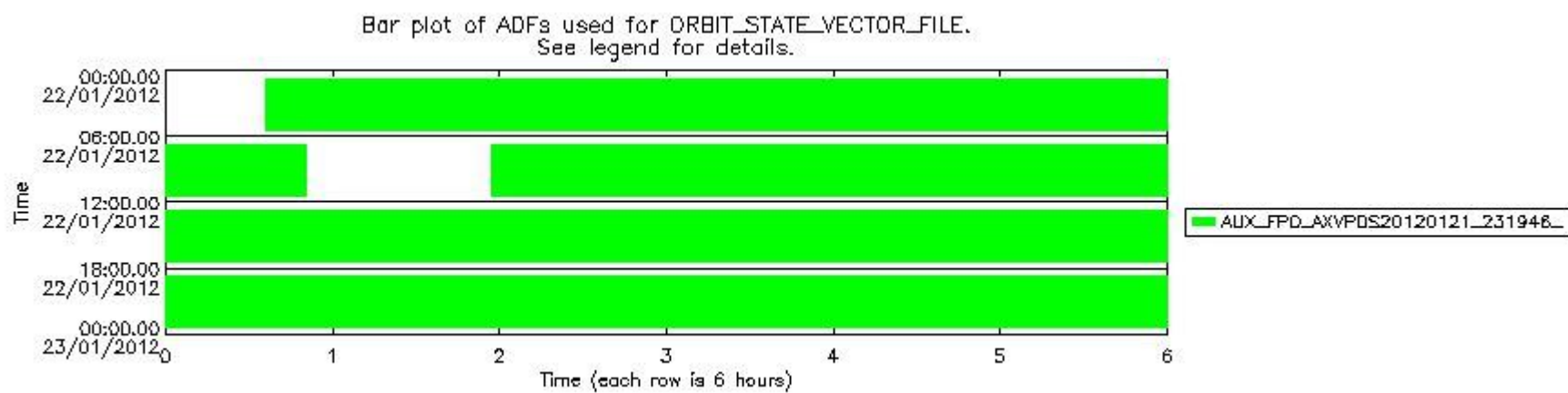
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120121_231946_20120121_194731_20120131_202056

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120122_003610_000058703111_00016_51754_5400.N1	0	1

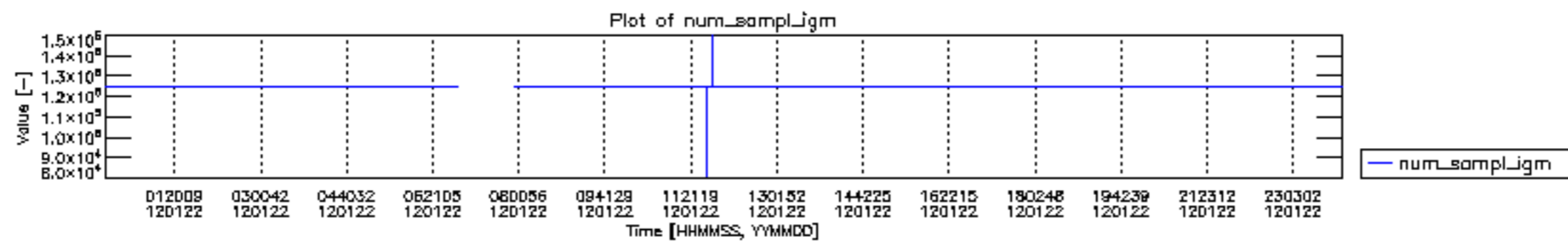
1	MIP_NL__0PNPDE20120122_021302_000045293111_00017_51755_5401.N1	0	1
2	MIP_NL__0PNPDE20120122_032758_000061153111_00018_51756_5402.N1	0	1
3	MIP_NL__0PNPDE20120122_050919_000060623111_00019_51757_5403.N1	0	1
4	MIP_NL__0PNPDK20120122_075706_000060583111_00021_51759_8339.N1	0	1
5	MIP_NL__0PNPDK20120122_093628_000061273111_00022_51760_8340.N1	0	1
6	MIP_NL__0PNPDK20120122_111659_000059593111_00023_51761_8341.N1	0	1
7	MIP_NL__0PNPDK20120122_125509_000060393111_00024_51762_8342.N1	0	1
8	MIP_NL__0PNPDK20120122_143450_000058203111_00025_51763_8343.N1	0	1
9	MIP_NL__0PNPDK20120122_161106_000059723111_00026_51764_8344.N1	0	1
10	MIP_NL__0PNPDK20120122_174938_000058893111_00027_51765_8345.N1	0	1
11	MIP_NL__0PNPDK20120122_192540_000061293111_00028_51766_8346.N1	0	1
12	MIP_NL__0PNPDE20120122_210541_000044063111_00029_51767_5404.N1	0	1
13	MIP_NL__0PNPDE20120122_221802_000062153111_00029_51767_5405.N1	0	1

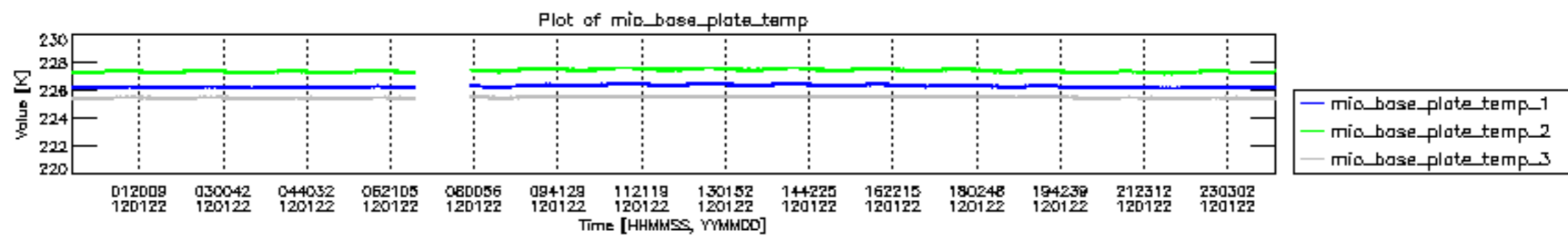


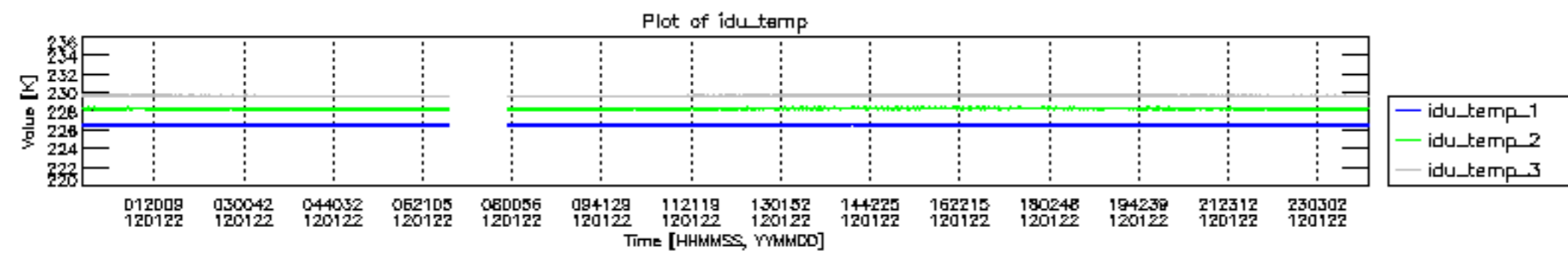
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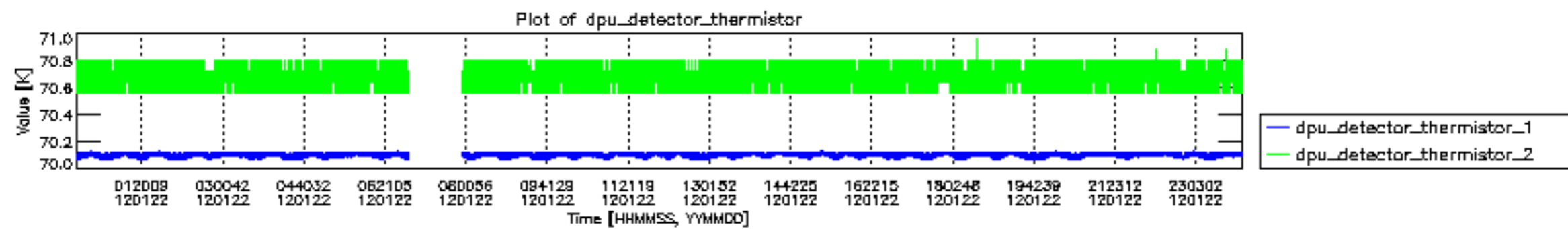


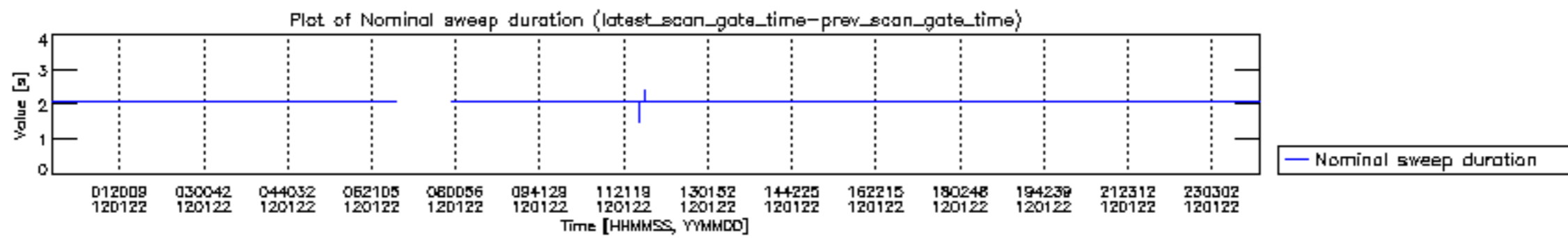
mipas_daily_report_level0_KSPT_L0_4504_N_20120122_13.PNG

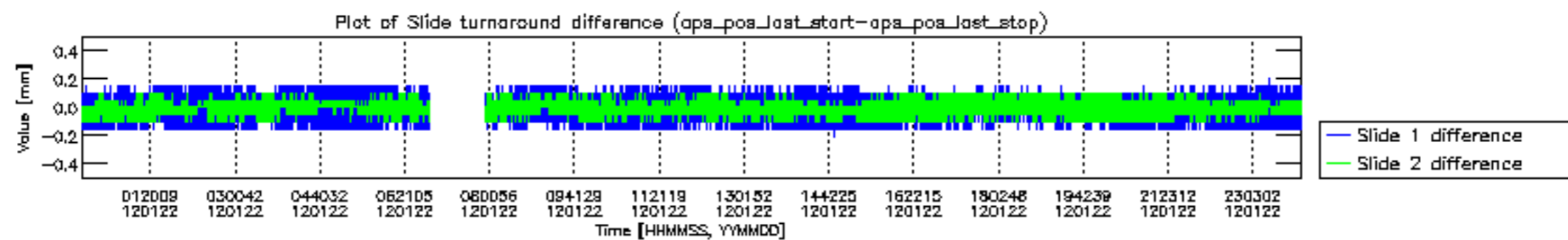


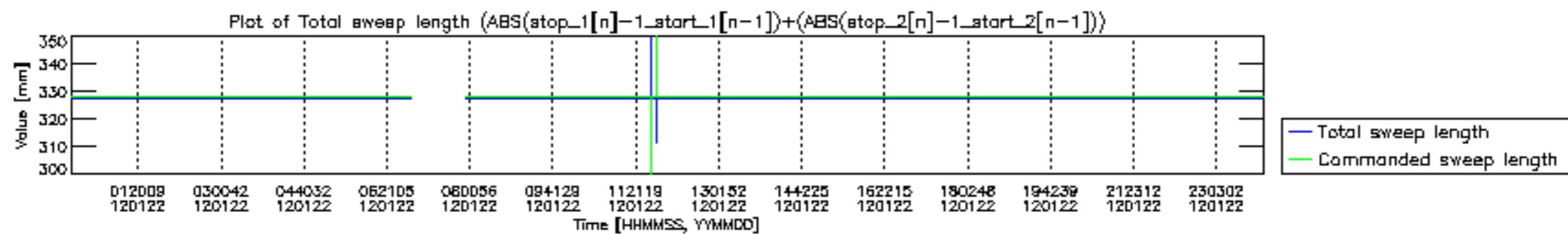


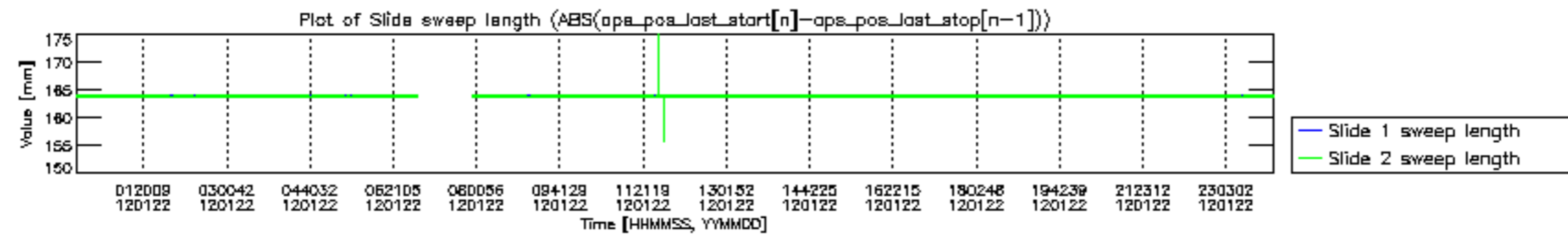


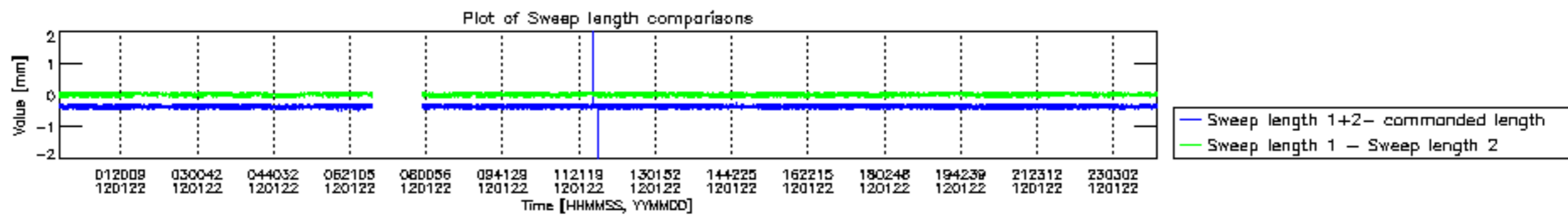


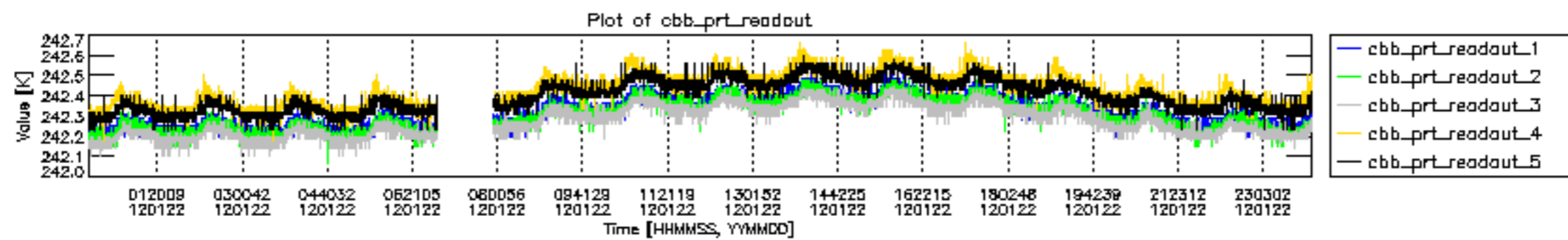


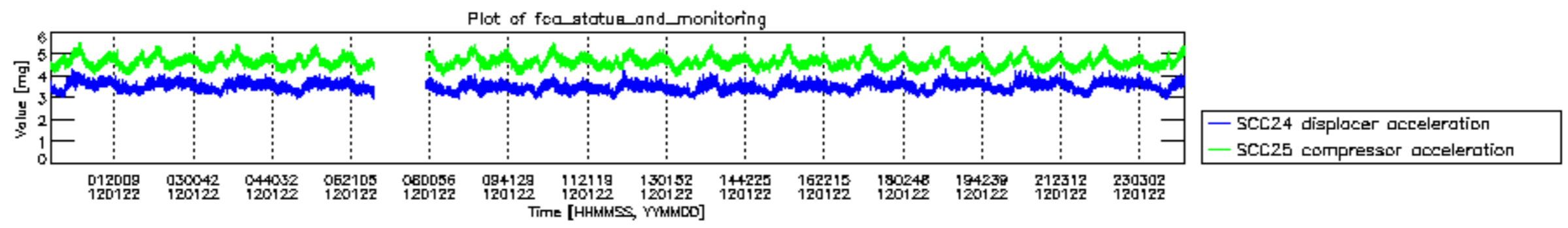












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

