

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	16DEC2011 05:24:34
Data source version	KSPT_L0/4504-N
Processing scope for products	11DEC2011 00:00:00 to 12DEC2011 00:00:00
Start time of first product within scope	11DEC2011 01:15:43
Stop time of last product within scope	11DEC2011 22:59:43
Total number of level 0 products	13
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__0PNPDE20111211_011543_000102763109_00275_51151_0388.N1	11DEC2011 01:15:43	11DEC2011 04:06:58	0	0	0	0	0
1	MIP_NL__0PNPDE20111211_040625_000062633109_00277_51153_0389.N1	11DEC2011 04:06:25	11DEC2011 05:50:48	0	0	0	0	0
2	MIP_NL__0PNPDE20111211_055014_000060483109_00278_51154_0390.N1	11DEC2011 05:50:14	11DEC2011 07:31:03	0	0	0	0	0
3	MIP_NL__0PNPDK20111211_073017_000040513109_00279_51155_7763.N1	11DEC2011 07:30:17	11DEC2011 08:37:48	0	0	0	0	0
4	MIP_NL__0PNPDK20111211_083651_000059893109_00280_51156_7764.N1	11DEC2011 08:36:51	11DEC2011 10:16:40	0	0	0	0	0
5	MIP_NL__0PNPDK20111211_101513_000059983109_00281_51157_7765.N1	11DEC2011 10:15:13	11DEC2011 11:55:10	0	0	0	0	0
6	MIP_NL__0PNPDK20111211_115414_000060603109_00282_51158_7766.N1	11DEC2011 11:54:14	11DEC2011 13:35:14	0	0	0	0	0
7	MIP_NL__0PNPDK20111211_133346_000059473109_00283_51159_7767.N1	11DEC2011 13:33:46	11DEC2011 15:12:54	0	0	0	0	0
8	MIP_NL__0PNPDK20111211_151208_000059163109_00284_51160_7768.N1	11DEC2011 15:12:08	11DEC2011 16:50:44	0	0	0	0	0
9	MIP_NL__0PNPDK20111211_164930_000059413109_00285_51161_7769.N1	11DEC2011 16:49:30	11DEC2011 18:28:32	0	0	0	0	0
10	MIP_NL__0PNPDK20111211_182725_000060023109_00286_51162_7770.N1	11DEC2011 18:27:25	11DEC2011 20:07:26	0	0	0	0	0
11	MIP_NL__0PNPDE20111211_200519_000041053109_00287_51163_0393.N1	11DEC2011 20:05:19	11DEC2011 21:13:44	0	0	0	0	0
12	MIP_NL__0PNPDE20111211_211212_000064513109_00287_51163_0394.N1	11DEC2011 21:12:12	11DEC2011 22:59:43	0	0	0	0	0

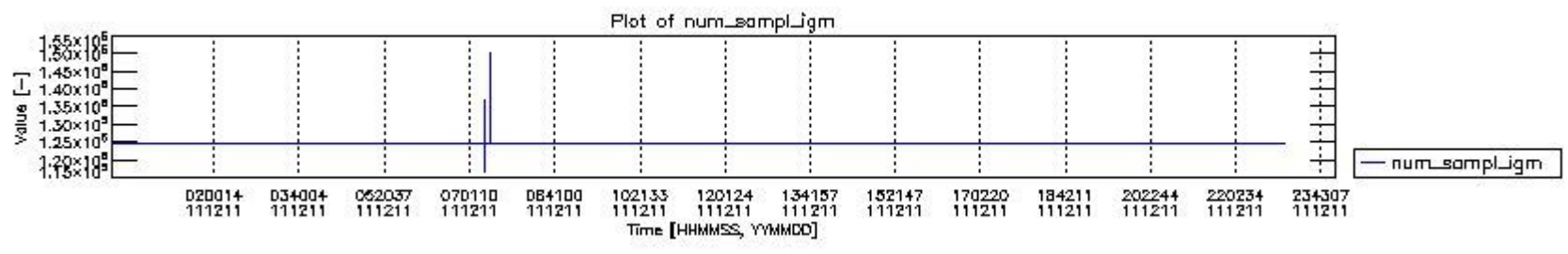
0.2 Instrument Operational Performance Parameters

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.

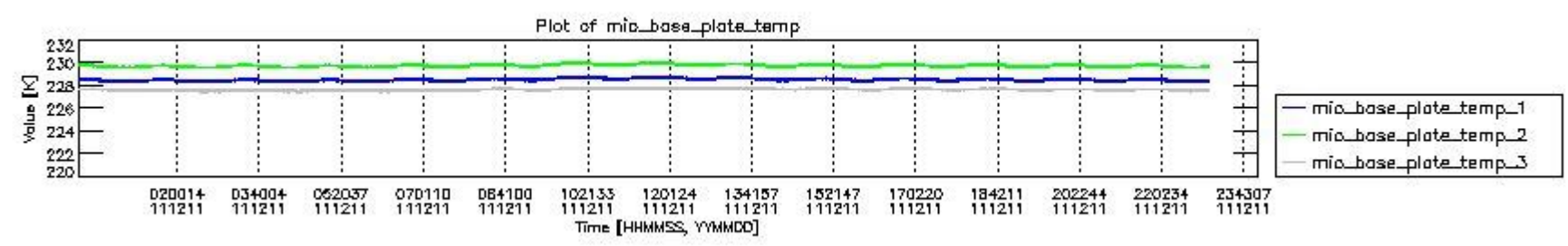
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
116677	1	0.0025074597
124800	37044	92.886337
124803	2831	7.0986184
127382	1	0.0025074597
128686	1	0.0025074597

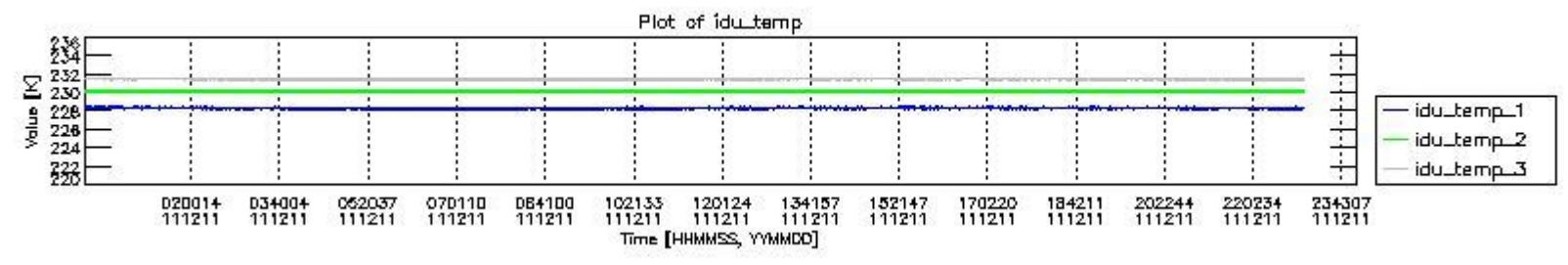
136809	1	0.0025074597
147514	1	0.0025074597
150096	1	0.0025074597



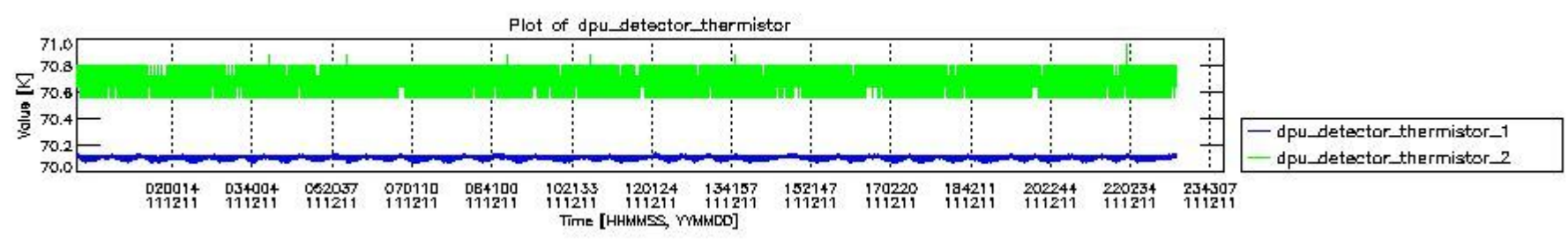
mipas_daily_report_level0_KSPT_L0_4504_N_20111211_0.PNG



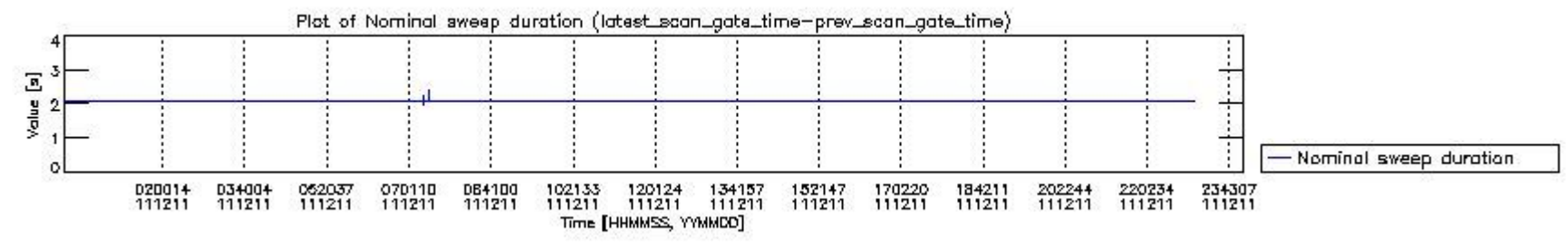
mipas_daily_report_level0_KSPT_L0_4504_N_20111211_1.PNG



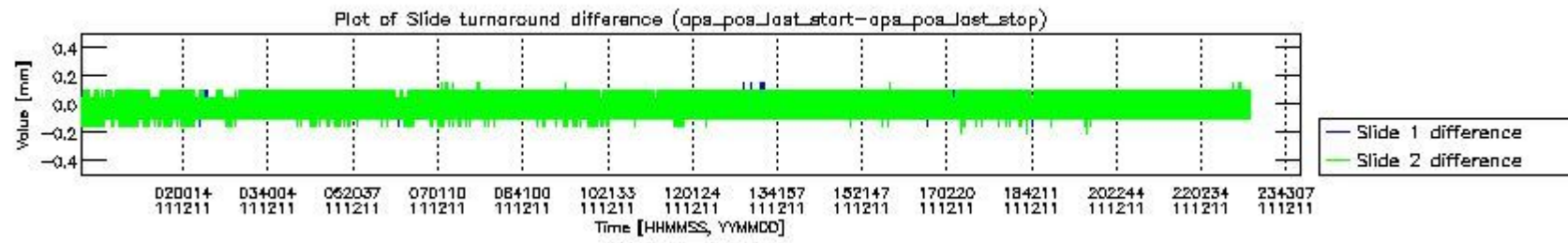
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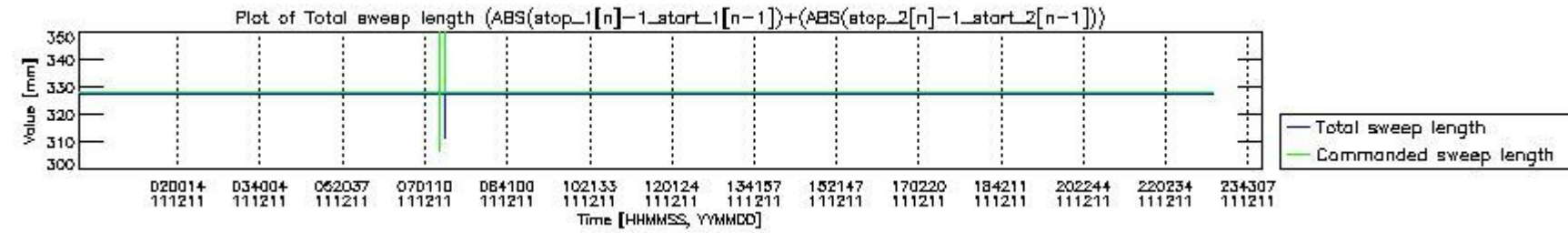
mipas_daily_report_level0_KSPT_L0_4504_N_20111211_3.PNG



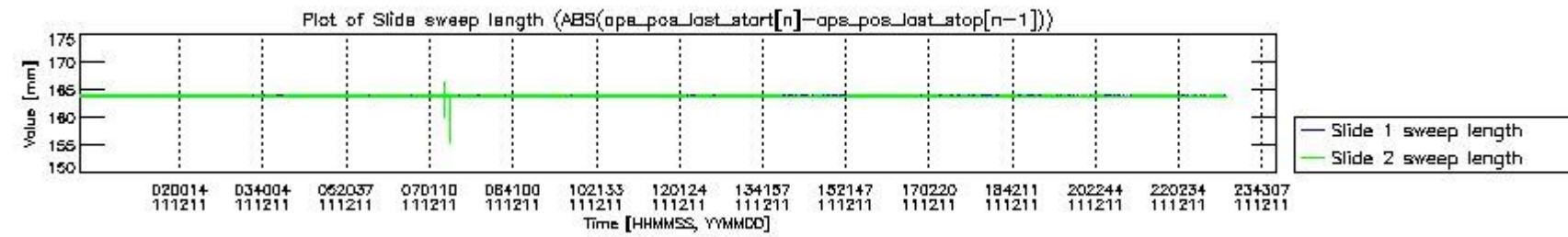
mipas_daily_report_level0_KSPT_L0_4504_N_20111211_4.PNG



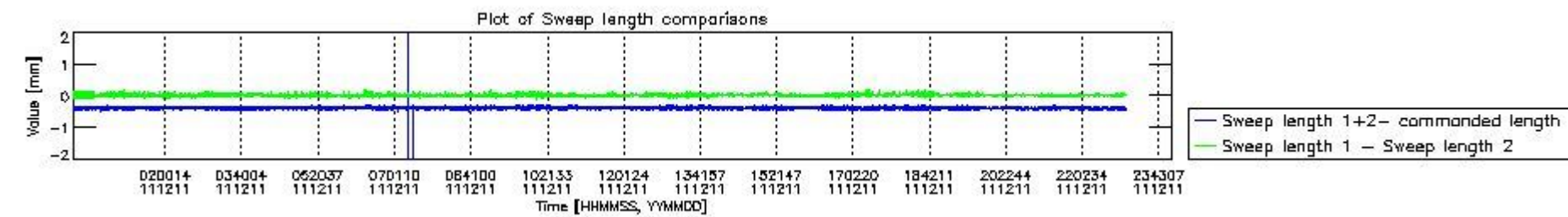
mipas_daily_report_level0_KSPT_L0_4504_N_20111211_5.PNG



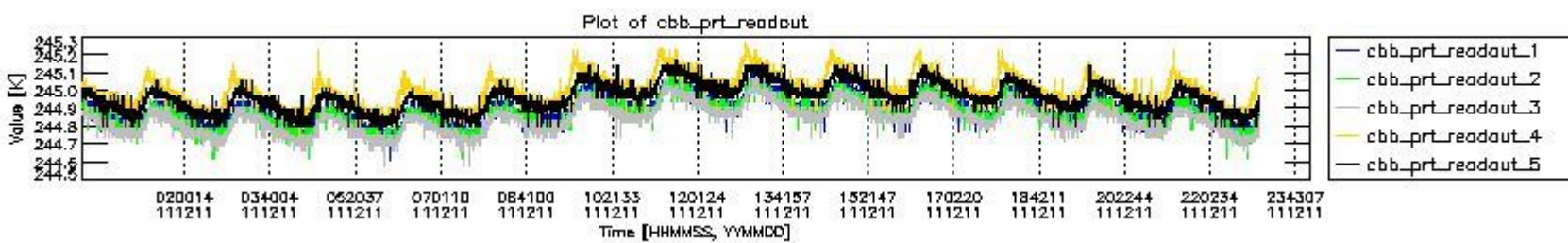
mipas_daily_report_level0_KSPT_L0_4504_N_20111211_6.PNG



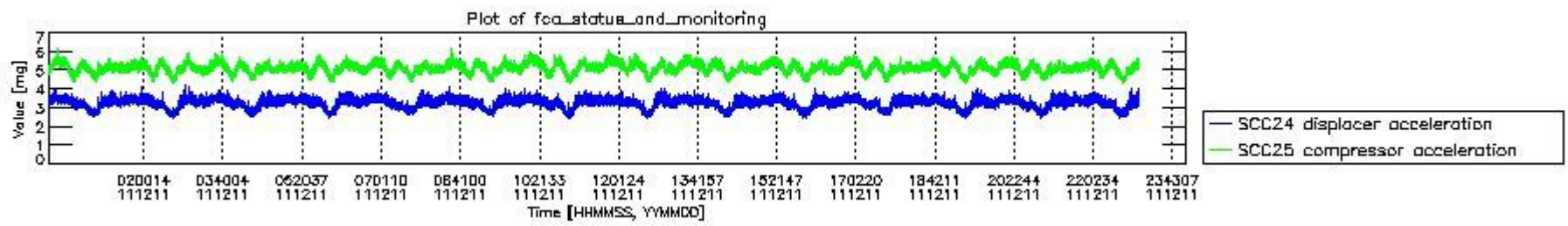
mipas_daily_report_level0_KSPT_L0_4504_N_20111211_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111211_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111211_9.PNG

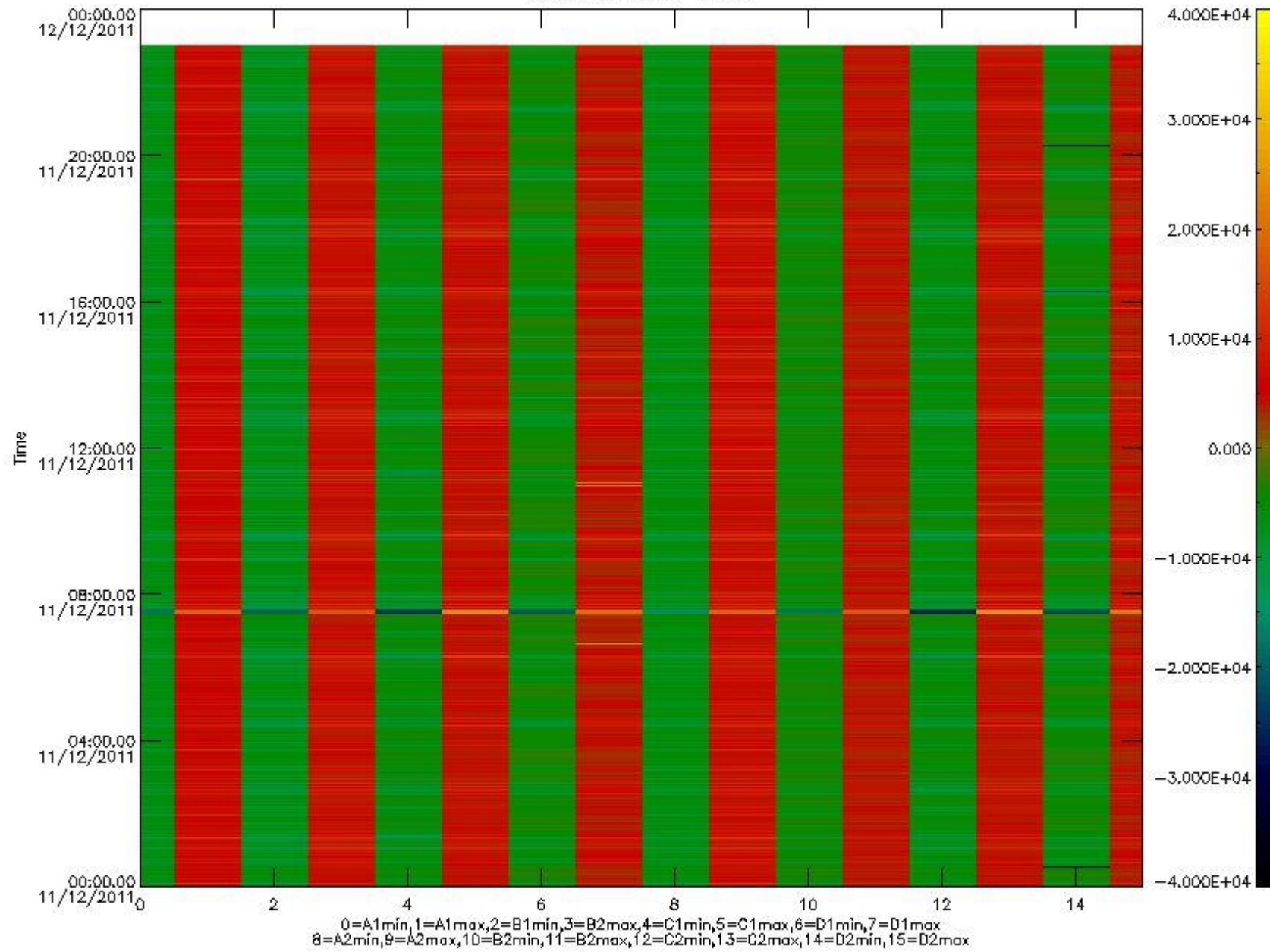


mipas_daily_report_level0_KSPT_L0_4504_N_20111211_10.PNG

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

Channel	Min	Max	ADC
A1	-18211	19287	16bit
B1	-20586	17694	16bit
C1	-25054	24932	16bit
D1	-32768	32767	16bit
A2	-15807	19509	16bit
B2	-18439	18096	16bit
C2	-26057	25651	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111211_11.PNG

0.3 ADF monitoring

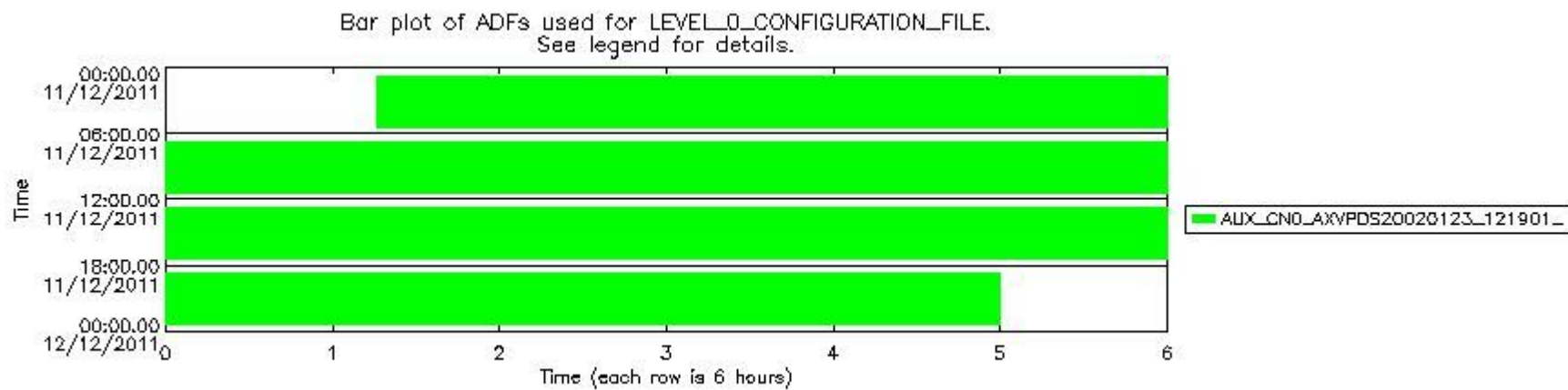
The use of ADFs is shown in two ways:

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.

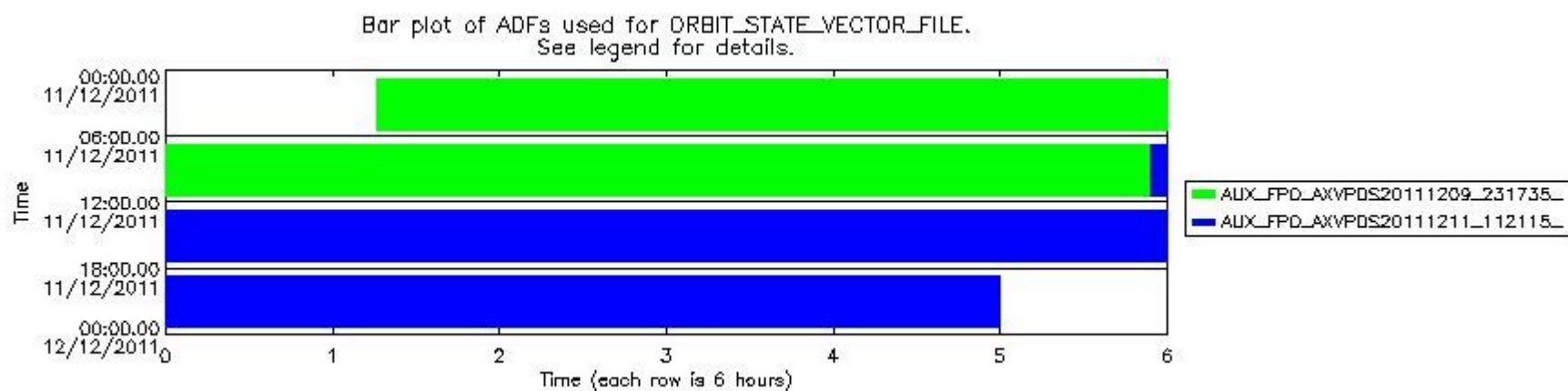
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111209_231735_20111209_192357_20111219_213740
2	AUX_FPO_AXVPDS20111211_112115_20111210_184713_20111220_210055

Number	Product name	#CN0	#FPO
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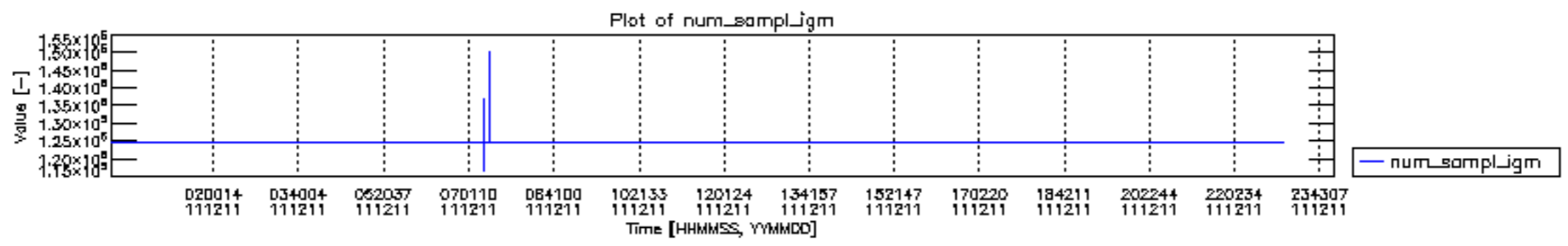
0	MIP_NL__0PNPDE20111211_011543_000102763109_00275_51151_0388.N1	0	1
1	MIP_NL__0PNPDE20111211_040625_000062633109_00277_51153_0389.N1	0	1
2	MIP_NL__0PNPDE20111211_055014_000060483109_00278_51154_0390.N1	0	1
3	MIP_NL__0PNPDK20111211_073017_000040513109_00279_51155_7763.N1	0	1
4	MIP_NL__0PNPDK20111211_083651_000059893109_00280_51156_7764.N1	0	1
5	MIP_NL__0PNPDK20111211_101513_000059893109_00281_51157_7765.N1	0	1
6	MIP_NL__0PNPDK20111211_115414_000060603109_00282_51158_7766.N1	0	2
7	MIP_NL__0PNPDK20111211_133346_000059473109_00283_51159_7767.N1	0	2
8	MIP_NL__0PNPDK20111211_151208_000059163109_00284_51160_7768.N1	0	2
9	MIP_NL__0PNPDK20111211_164930_000059413109_00285_51161_7769.N1	0	2
10	MIP_NL__0PNPDK20111211_182725_000060023109_00286_51162_7770.N1	0	2
11	MIP_NL__0PNPDE20111211_200519_000041053109_00287_51163_0393.N1	0	2
12	MIP_NL__0PNPDE20111211_211212_000064513109_00287_51163_0394.N1	0	2

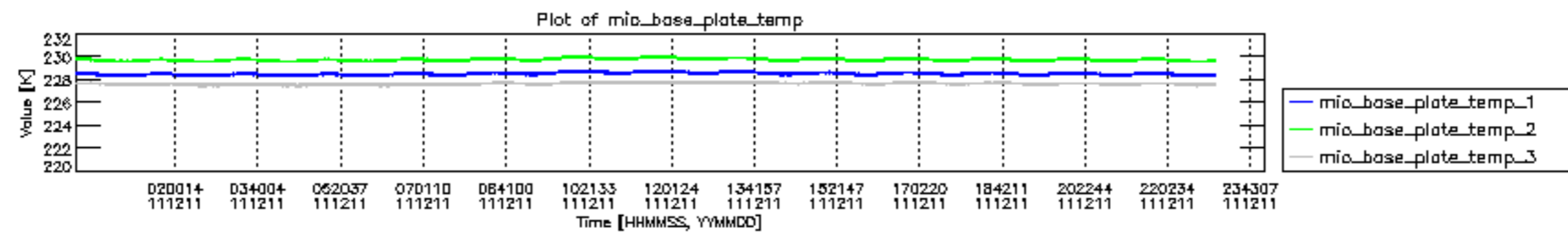


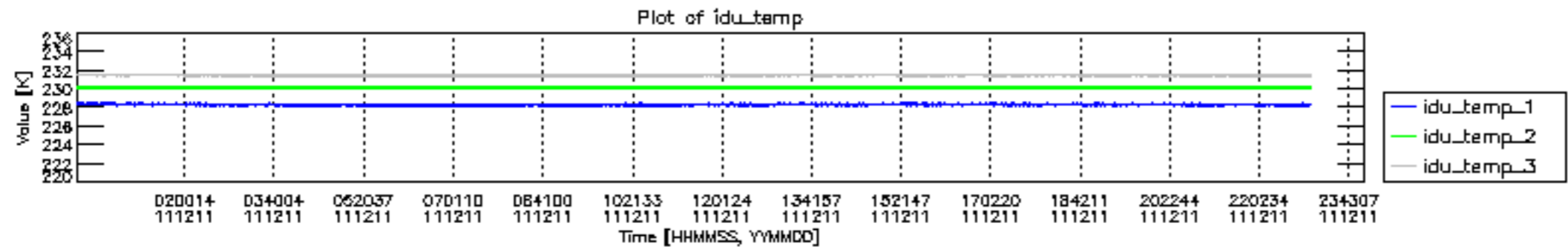
mipas_daily_report_level0_KSPT_L0_4504_N_20111211_12.PNG

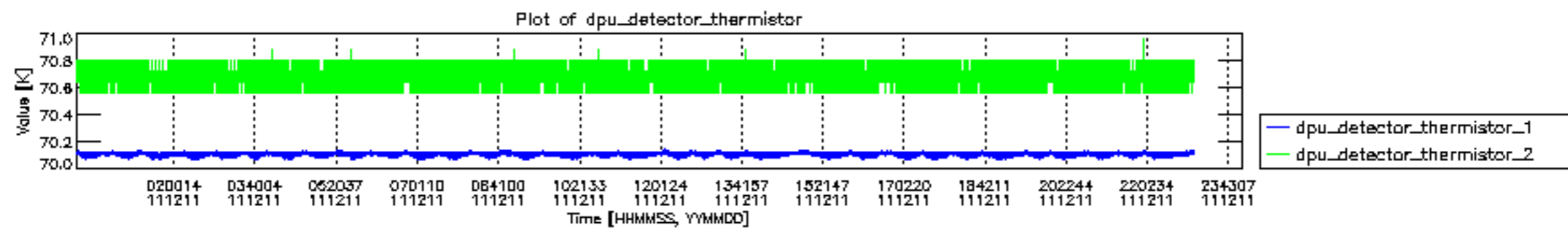


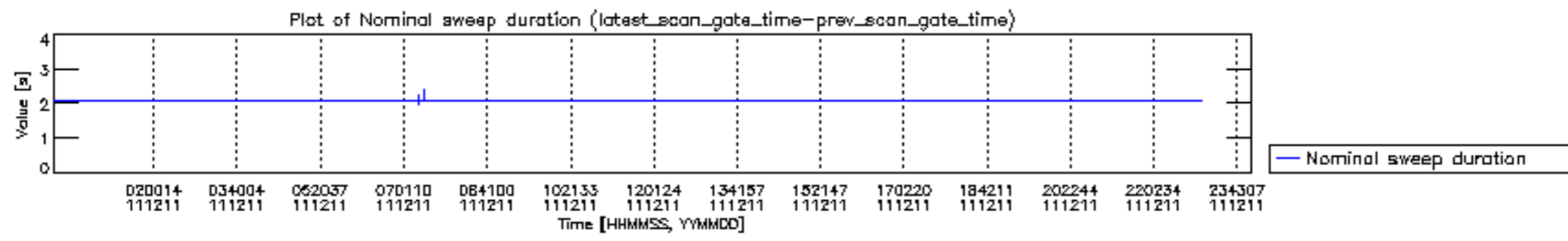
mipas_daily_report_level0_KSPT_L0_4504_N_20111211_13.PNG

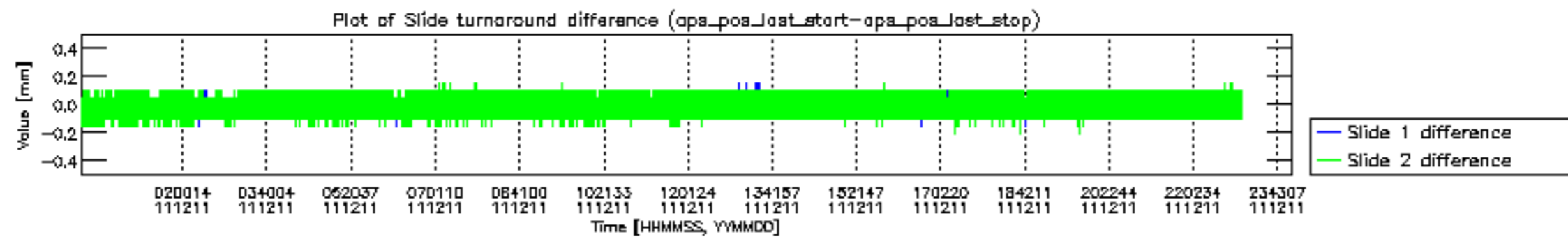


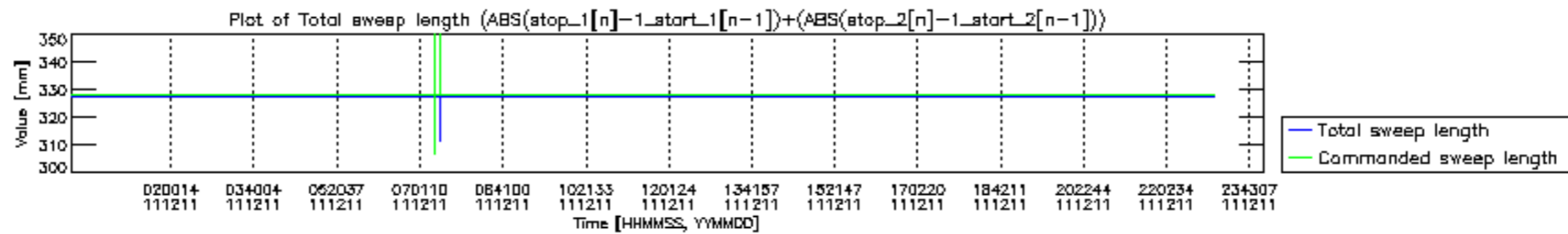


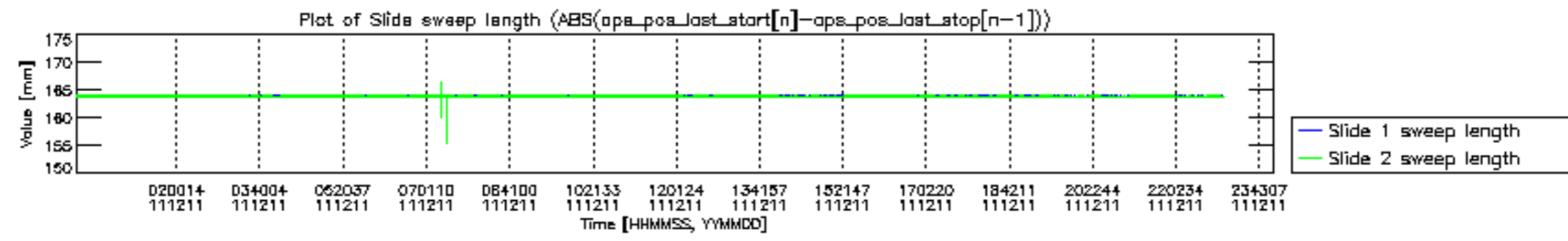


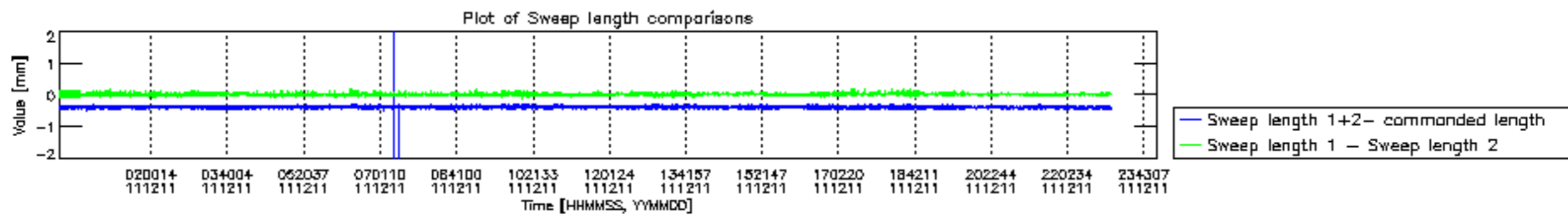


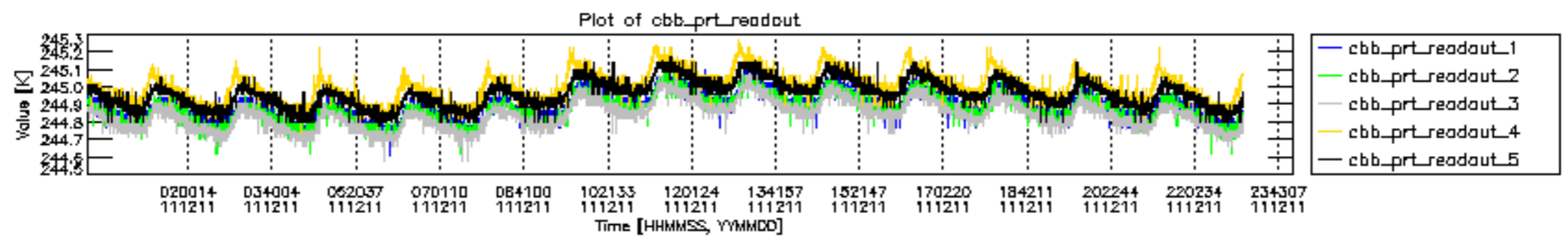


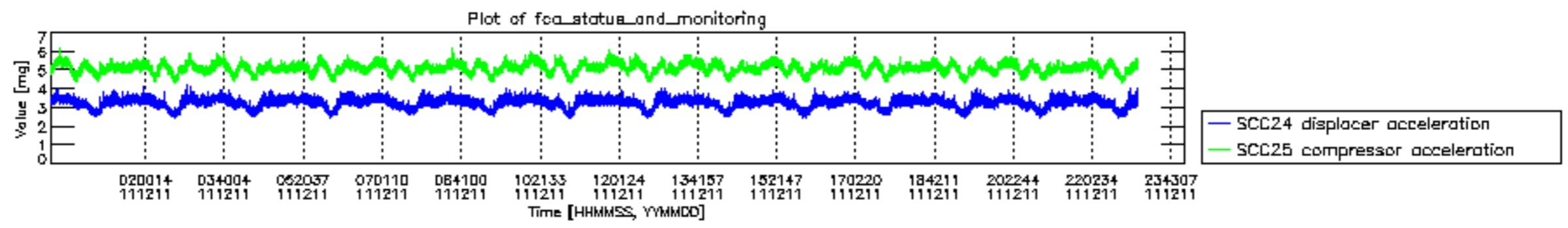












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

