

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	09DEC2011 05:23:31
Data source version	KSPT_L0/4504-N
Processing scope for products	04DEC2011 00:00:00 to 05DEC2011 00:00:00
Start time of first product within scope	04DEC2011 00:32:29
Stop time of last product within scope	05DEC2011 01:36:00
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__0PNPDE20111204_003229_000058473109_00174_51050_0335.N1	04DEC2011 00:32:29	04DEC2011 02:09:56	0	0	0	0	0
1	MIP_NL__0PNPDE20111204_020900_000045753109_00175_51051_0336.N1	04DEC2011 02:09:00	04DEC2011 03:25:15	0	0	0	0	0
2	MIP_NL__0PNPDE20111204_032442_000061153109_00176_51052_0337.N1	04DEC2011 03:24:42	04DEC2011 05:06:36	0	0	0	0	0
3	MIP_NL__0PNPDE20111204_050603_000060143109_00177_51053_0340.N1	04DEC2011 05:06:03	04DEC2011 06:46:17	0	0	0	0	0
4	MIP_NL__0PNPDK20111204_075400_000059623109_00179_51055_7702.N1	04DEC2011 07:54:00	04DEC2011 09:33:22	0	0	0	0	0
5	MIP_NL__0PNPDK20111204_093159_000061773109_00180_51056_7703.N1	04DEC2011 09:31:59	04DEC2011 11:14:56	0	0	0	0	0
6	MIP_NL__0PNPDK20111204_111313_000060233109_00181_51057_7704.N1	04DEC2011 11:13:13	04DEC2011 12:53:36	0	0	0	0	0
7	MIP_NL__0PNPDK20111204_125237_000059743109_00182_51058_7705.N1	04DEC2011 12:52:37	04DEC2011 14:32:12	0	0	0	0	0
8	MIP_NL__0PNPDK20111204_143034_000058203109_00183_51059_7706.N1	04DEC2011 14:30:34	04DEC2011 16:07:34	0	0	0	0	0
9	MIP_NL__0PNPDK20111204_160612_000060213109_00184_51060_7707.N1	04DEC2011 16:06:12	04DEC2011 17:46:33	0	0	0	0	0
10	MIP_NL__0PNPDK20111204_174532_000057953109_00185_51061_7708.N1	04DEC2011 17:45:32	04DEC2011 19:22:07	0	0	0	0	0
11	MIP_NL__0PNPDK20111204_192107_000062043109_00186_51062_7709.N1	04DEC2011 19:21:07	04DEC2011 21:04:31	0	0	0	0	0
12	MIP_NL__0PNPDE20111204_221522_000060463109_00187_51063_0345.N1	04DEC2011 22:15:22	04DEC2011 23:56:08	0	0	0	0	0
13	MIP_NL__0PNPDE20111204_235511_000060483109_00188_51064_0346.N1	04DEC2011 23:55:11	05DEC2011 01:36:00	0	0	0	0	0

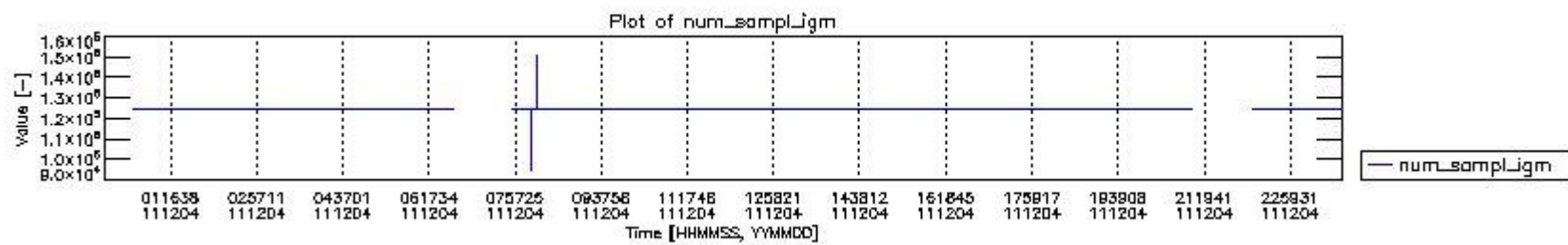
0.2 Instrument Operational Performance Parameters

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.

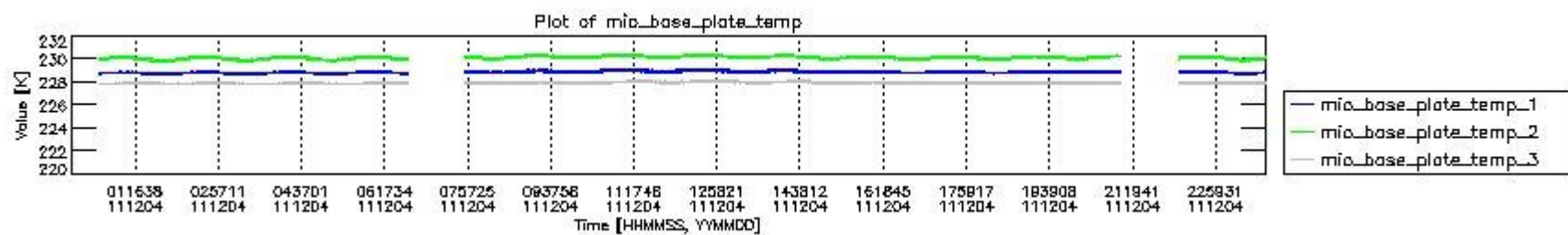
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
94934	1	0.0027268761
99801	1	0.0027268761
119933	1	0.0027268761
124800	34067	92.896488

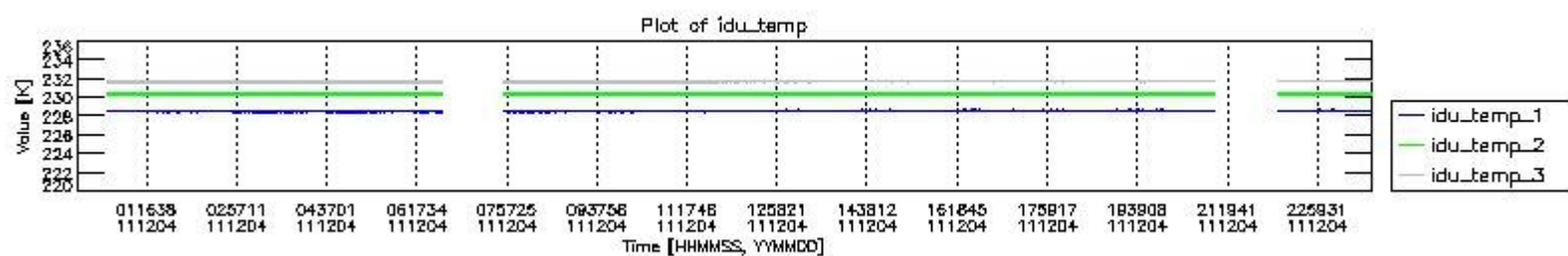
124803	2599	7.0871510
127456	1	0.0027268761
147588	1	0.0027268761
150244	1	0.0027268761



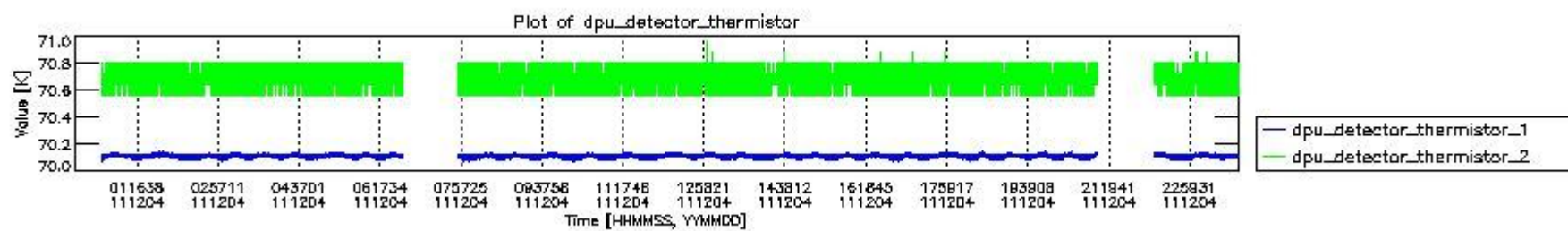
mipas_daily_report_level0_KSPT_L0_4504_N_20111204_0.PNG



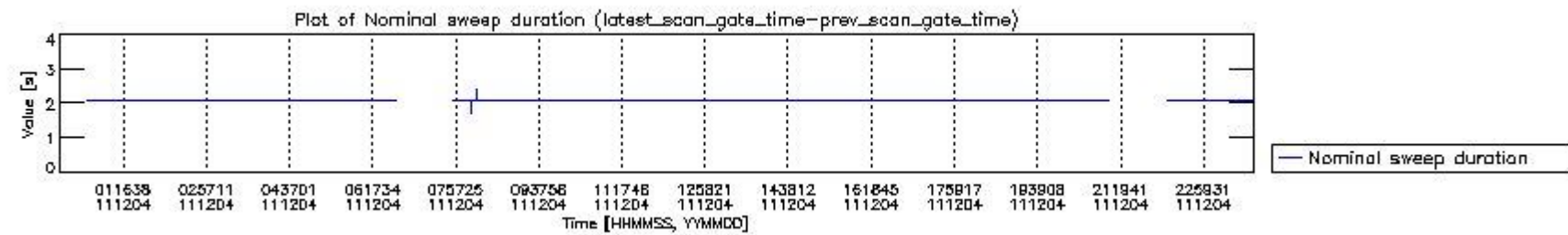
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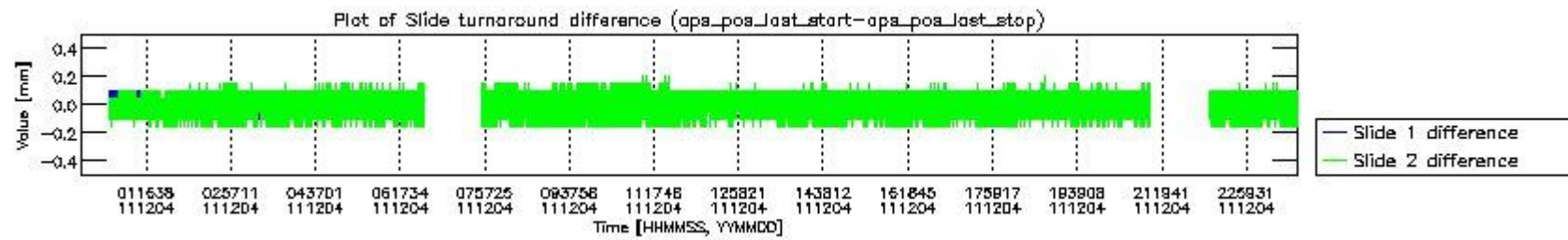
mipas_daily_report_level0_KSPT_L0_4504_N_20111204_2.PNG



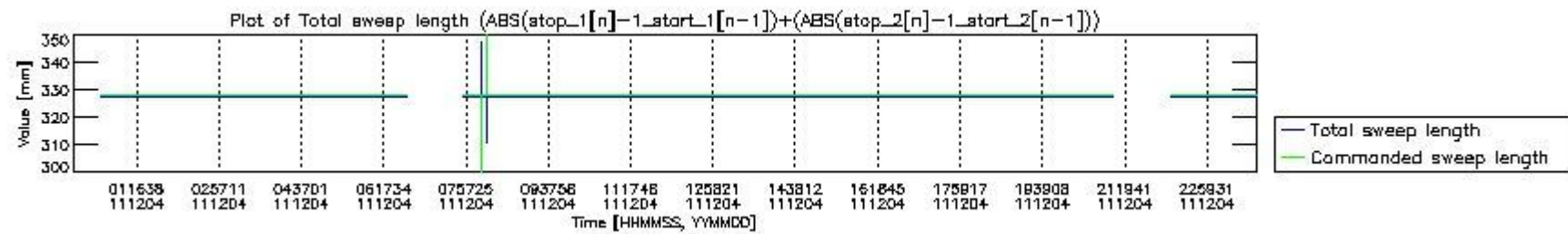
mipas_daily_report_level0_KSPT_L0_4504_N_20111204_3.PNG



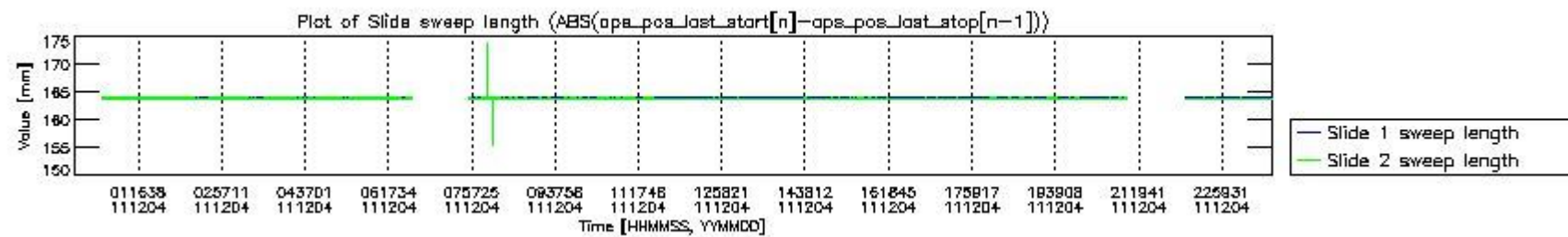
mipas_daily_report_level0_KSPT_L0_4504_N_20111204_4.PNG



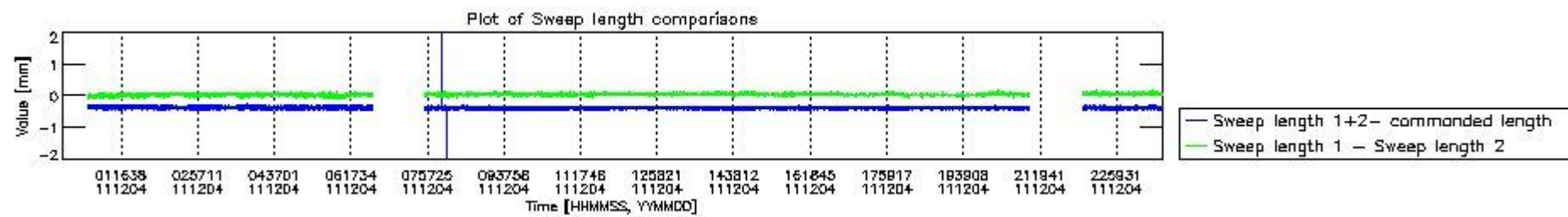
mipas_daily_report_level0_KSPT_L0_4504_N_20111204_5.PNG



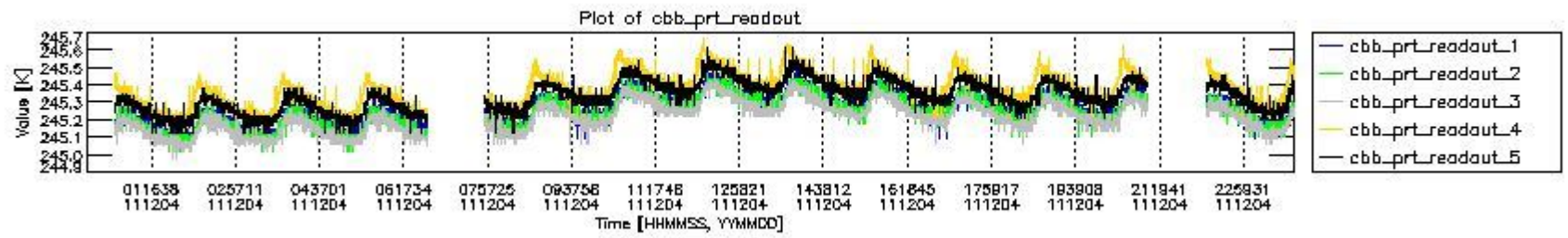
mipas_daily_report_level0_KSPT_L0_4504_N_20111204_6.PNG



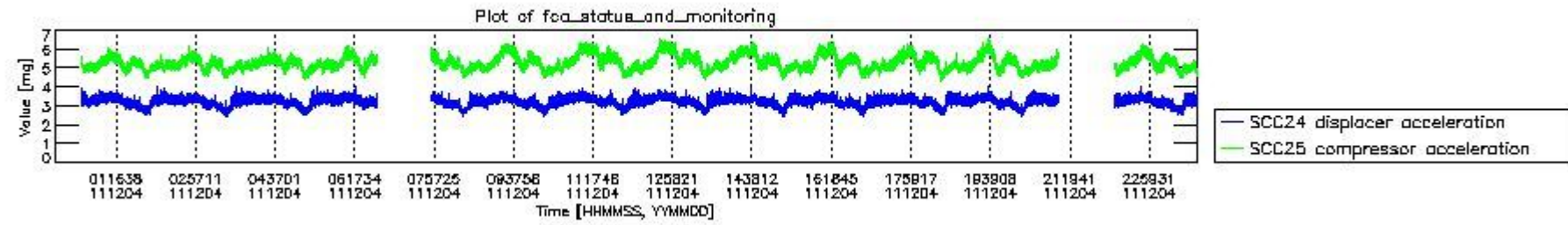
mipas_daily_report_level0_KSPT_L0_4504_N_20111204_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111204_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111204_9.PNG

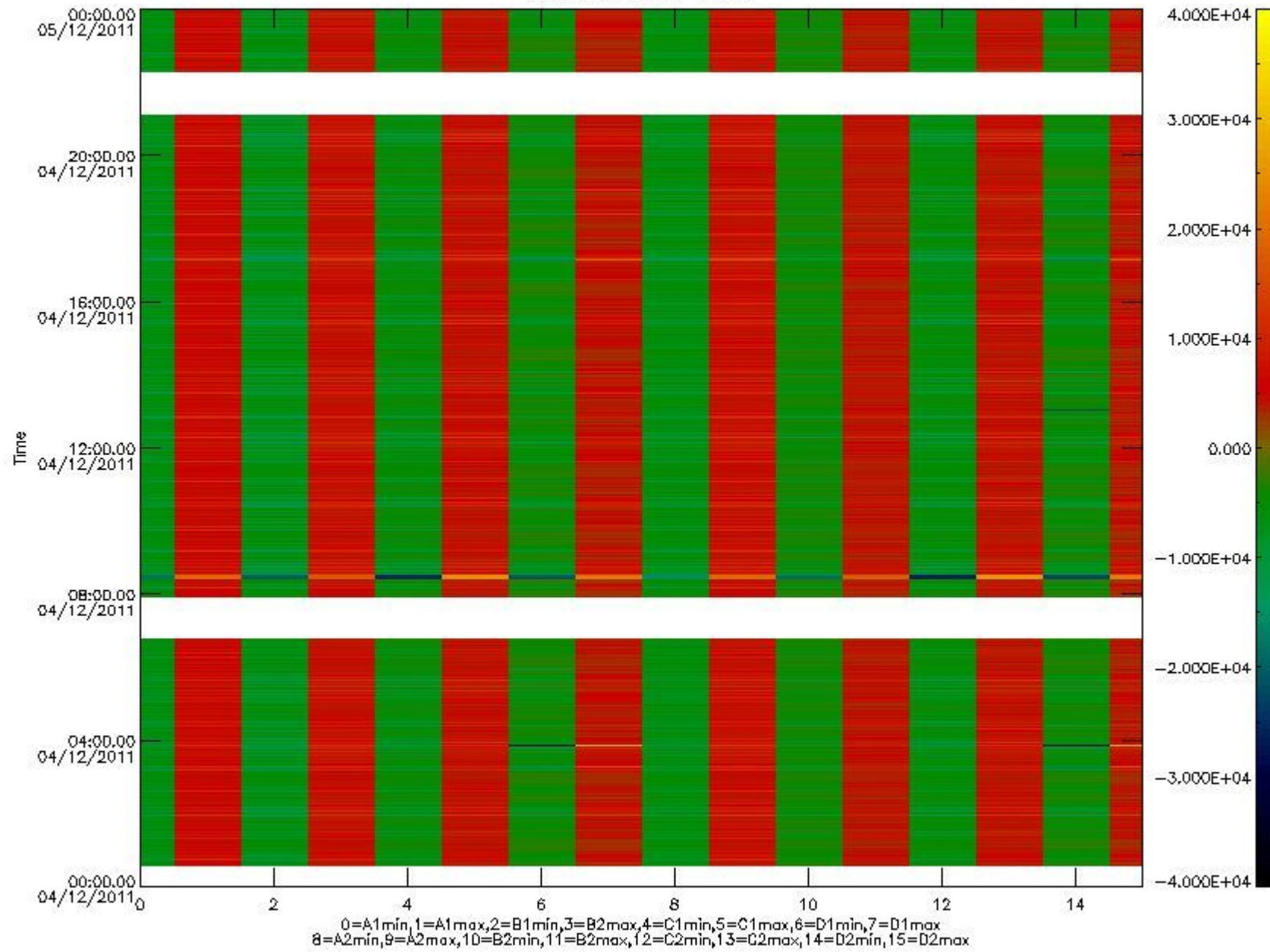


mipas_daily_report_level0_KSPT_L0_4504_N_20111204_10.PNG

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

Channel	Min	Max	ADC
A1	-18356	19464	16bit
B1	-20853	17892	16bit
C1	-25520	25391	16bit
D1	-32768	32767	16bit
A2	-15923	19676	16bit
B2	-18740	18367	16bit
C2	-26575	26136	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_20111204_11.PNG

0.3 ADF monitoring

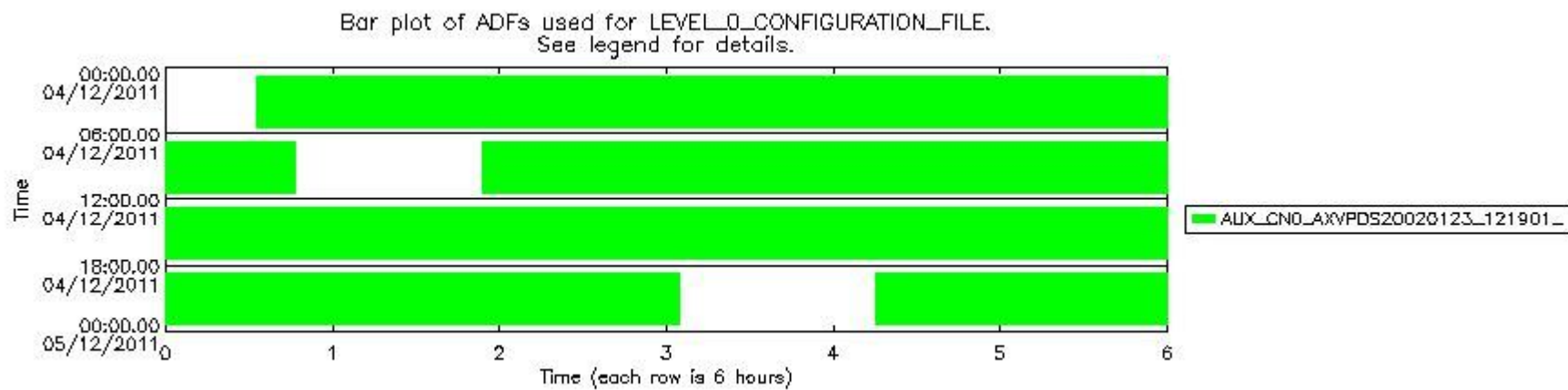
The use of ADFs is shown in two ways:

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.

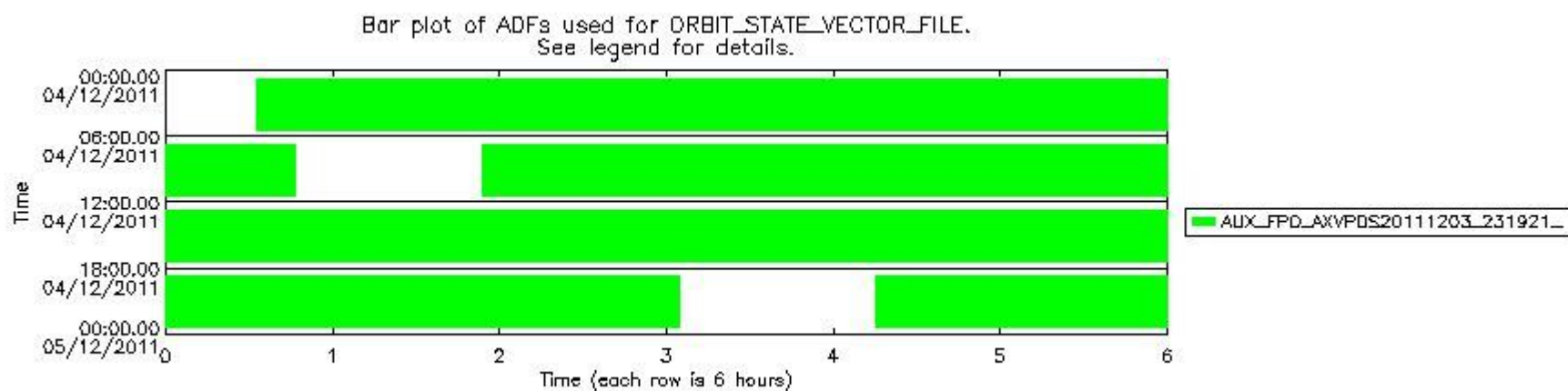
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111203_231921_20111203_194359_20111213_201726

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111204_003229_000058473109_00174_51050_0335.N1	0	1

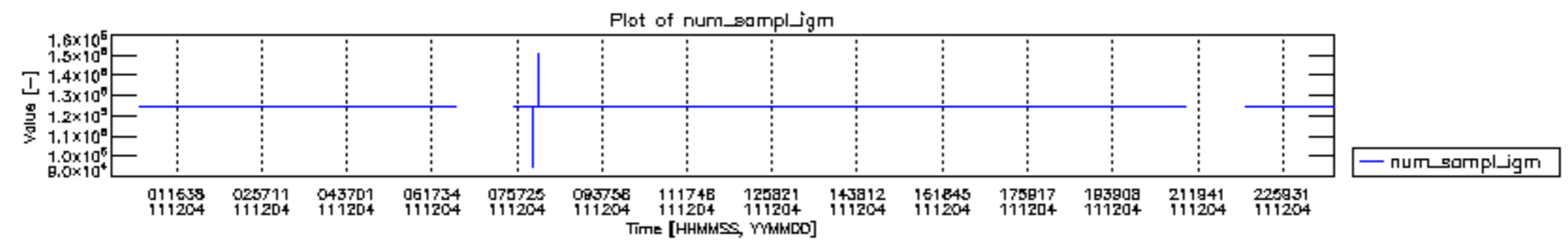
1	MIP_NL__0PNPDE20111204_020900_000045753109_00175_51051_0336.N1	0	1
2	MIP_NL__0PNPDE20111204_032442_000061153109_00176_51052_0337.N1	0	1
3	MIP_NL__0PNPDE20111204_050603_000060143109_00177_51053_0340.N1	0	1
4	MIP_NL__0PNPDK20111204_075400_000059623109_00179_51055_7702.N1	0	1
5	MIP_NL__0PNPDK20111204_093159_000061773109_00180_51056_7703.N1	0	1
6	MIP_NL__0PNPDK20111204_111313_000060233109_00181_51057_7704.N1	0	1
7	MIP_NL__0PNPDK20111204_125237_000059743109_00182_51058_7705.N1	0	1
8	MIP_NL__0PNPDK20111204_143034_000058203109_00183_51059_7706.N1	0	1
9	MIP_NL__0PNPDK20111204_160612_000060213109_00184_51060_7707.N1	0	1
10	MIP_NL__0PNPDK20111204_174532_000057953109_00185_51061_7708.N1	0	1
11	MIP_NL__0PNPDK20111204_192107_000062043109_00186_51062_7709.N1	0	1
12	MIP_NL__0PNPDE20111204_221522_000060463109_00187_51063_0345.N1	0	1
13	MIP_NL__0PNPDE20111204_235511_000060483109_00188_51064_0346.N1	0	1

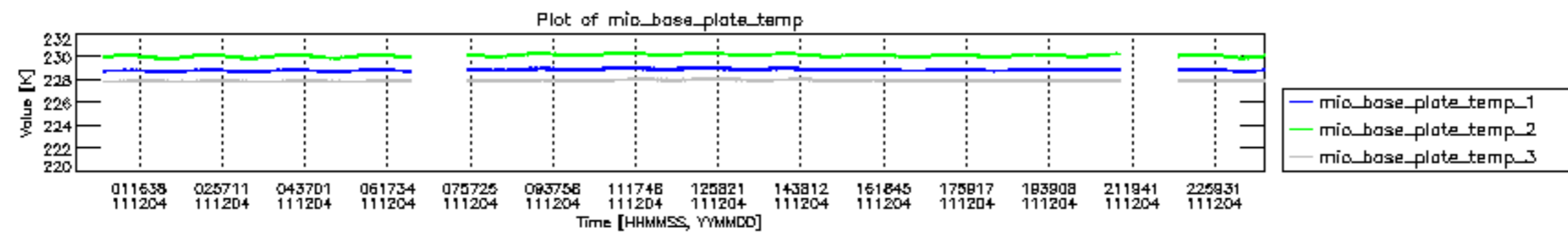


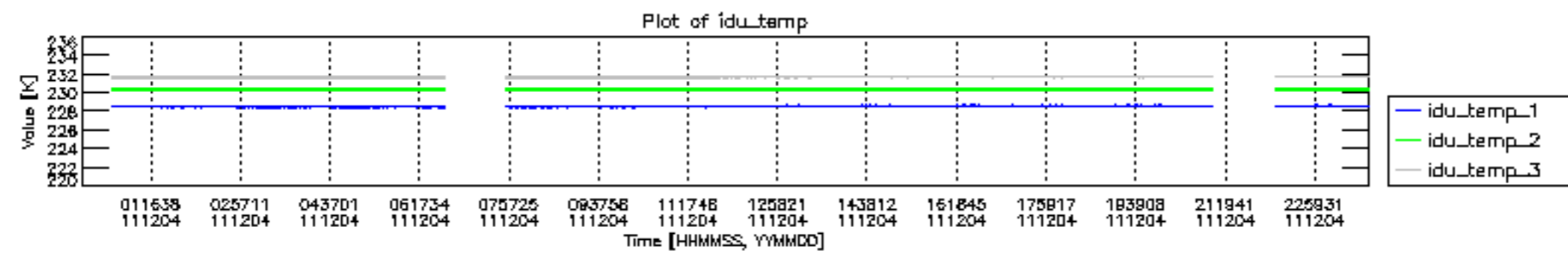
mipas_daily_report_level0_KSPT_L0_4504_N_20111204_12.PNG

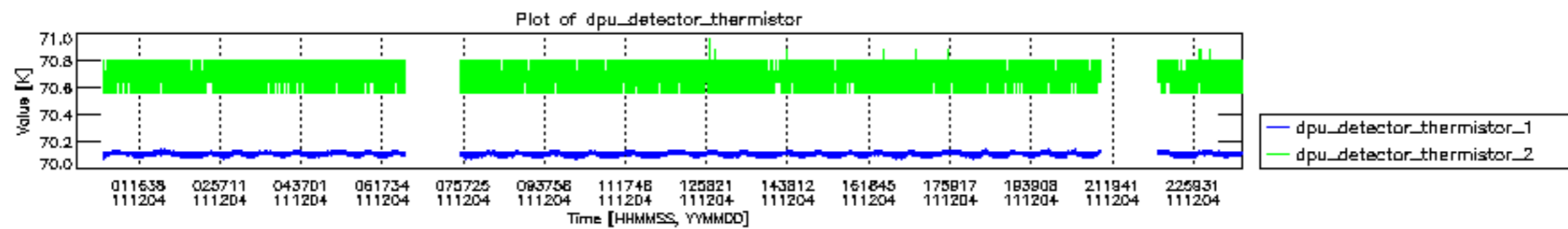


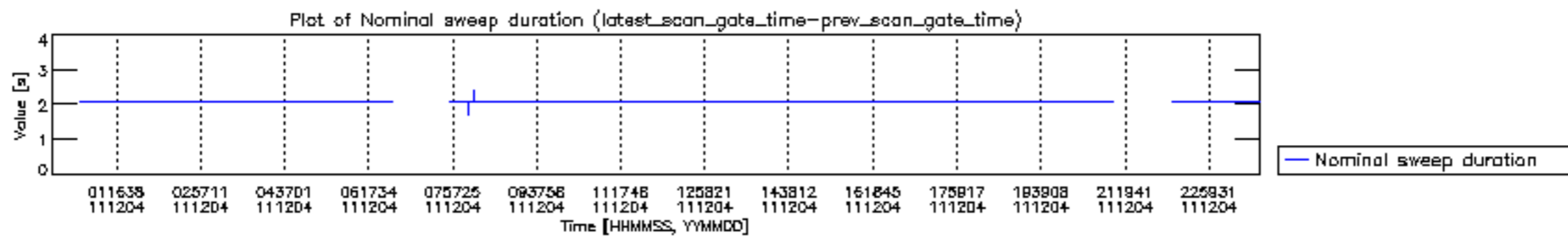
mipas_daily_report_level0_KSPT_L0_4504_N_20111204_13.PNG

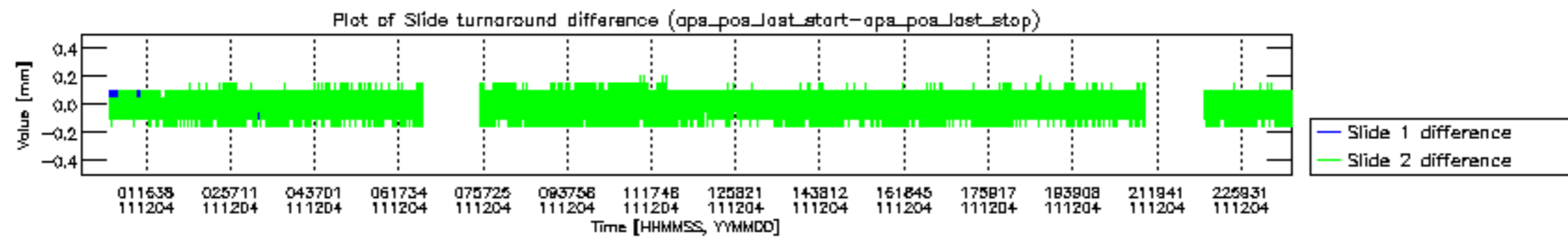


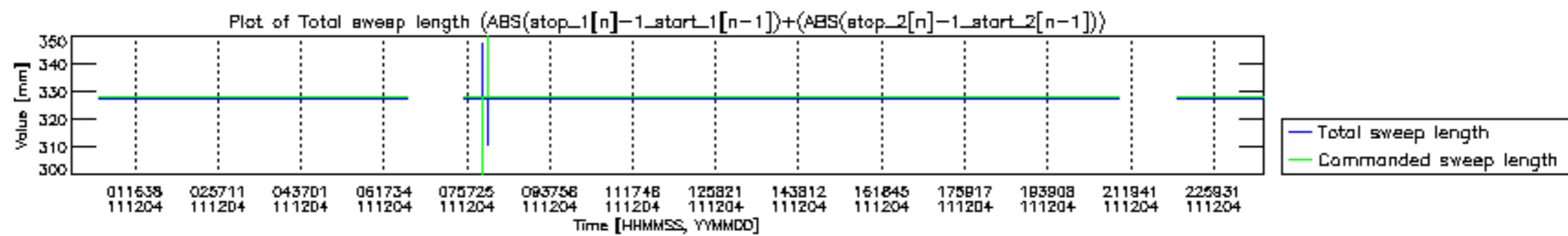


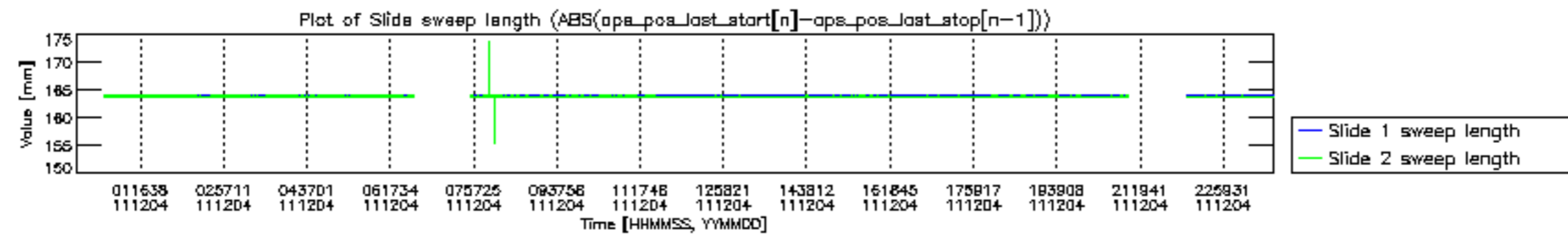


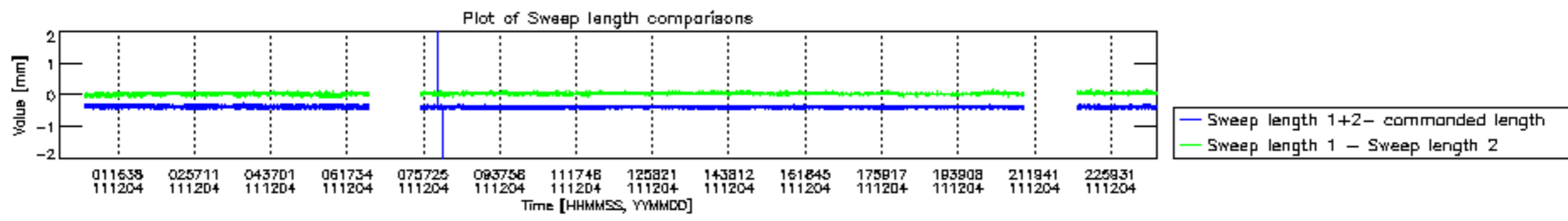


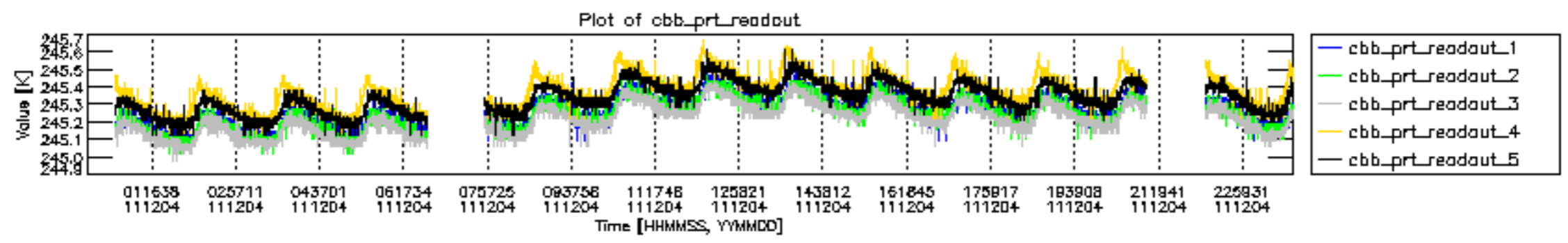


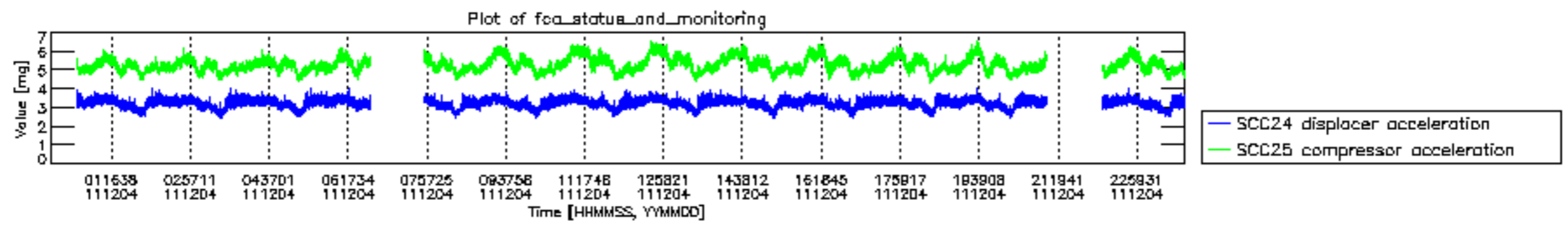












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

