

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	26DEC2011 05:24:09
Data source version	KSPT_L0/4504-N
Processing scope for products	21DEC2011 00:00:00 to 22DEC2011 00:00:00
Start time of first product within scope	21DEC2011 00:09:31
Stop time of last product within scope	22DEC2011 01:13:17
Total number of level 0 products	18
Number of level 0 products with errors	1

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__0PNPDE20111221_000931_000060063109_00418_51294_5179.N1	21DEC2011 00:09:31	21DEC2011 01:49:37	0	0	0	0	0
1	MIP_NL__0PNPDE20111221_002911_000048263109_00419_51295_5184.N1	21DEC2011 00:29:11	21DEC2011 01:49:37	0	0	0	0	0
2	MIP_NL__0PNPDE20111221_014839_000043623109_00419_51295_5180.N1	21DEC2011 01:48:39	21DEC2011 03:01:20	0	0	0	0	0
3	MIP_NL__0PNPDE20111221_030047_000061403109_00420_51296_5181.N1	21DEC2011 03:00:47	21DEC2011 04:43:07	0	0	0	0	0
4	MIP_NL__0PNPDE20111221_044233_000060813109_00421_51297_5182.N1	21DEC2011 04:42:33	21DEC2011 06:23:54	0	0	0	0	0
5	MIP_NL__0PNPDK20111221_062321_000040403109_00422_51298_7854.N1	21DEC2011 06:23:21	21DEC2011 07:30:41	0	0	0	0	0
6	MIP_NL__0PNPDK20111221_072943_000061483109_00423_51299_7855.N1	21DEC2011 07:29:43	21DEC2011 09:12:11	0	0	0	0	0
7	MIP_NL__0PNPDK20111221_091032_000060653109_00424_51300_7856.N1	21DEC2011 09:10:32	21DEC2011 10:51:37	0	0	0	0	0
8	MIP_NL__0PNPDK20111221_104959_000059163109_00425_51301_7857.N1	21DEC2011 10:49:59	21DEC2011 12:28:36	0	0	0	0	0
9	MIP_NL__0PNPDK20111221_122739_000061103109_00426_51302_7858.N1	21DEC2011 12:27:39	21DEC2011 14:09:30	0	0	0	0	0
10	MIP_NL__0PNPDK20111221_140833_000058933109_00427_51303_7859.N1	21DEC2011 14:08:33	21DEC2011 15:46:46	0	0	0	0	0
11	MIP_NL__0PNPDK20111221_154613_000057743109_00428_51304_7860.N1	21DEC2011 15:46:13	21DEC2011 17:22:27	0	0	0	0	0
12	MIP_NL__0PNPDK20111221_172122_000059473109_00429_51305_7861.N1	21DEC2011 17:21:22	21DEC2011 19:00:29	0	0	0	0	0
13	MIP_NL__0PNPDK20111221_185923_000060313109_00430_51306_7864.N1	21DEC2011 18:59:23	21DEC2011 20:39:54	1	1	0	0	0
14	MIP_NL__0PNPDK20111221_193630_000038043109_00430_51306_7863.N1	21DEC2011 19:36:30	21DEC2011 20:39:54	0	0	0	0	0
15	MIP_NL__0PNPDE20111221_203807_000044853109_00431_51307_5185.N1	21DEC2011 20:38:07	21DEC2011 21:52:52	0	0	0	0	0
16	MIP_NL__0PNPDE20111221_215156_000060943109_00431_51307_5186.N1	21DEC2011 21:51:56	21DEC2011 23:33:30	0	0	0	0	0
17	MIP_NL__0PNPDE20111221_233231_000060463110_00001_51308_5187.N1	21DEC2011 23:32:31	22DEC2011 01:13:17	0	0	0	0	0

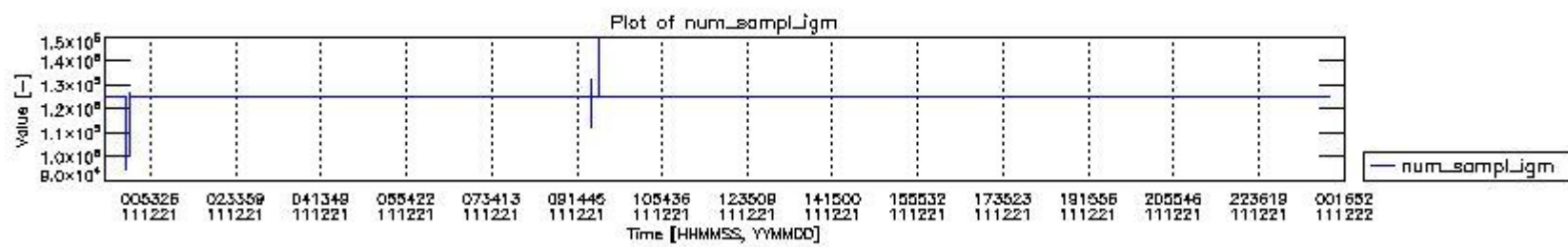
0.2 Instrument Operational Performance Parameters

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.

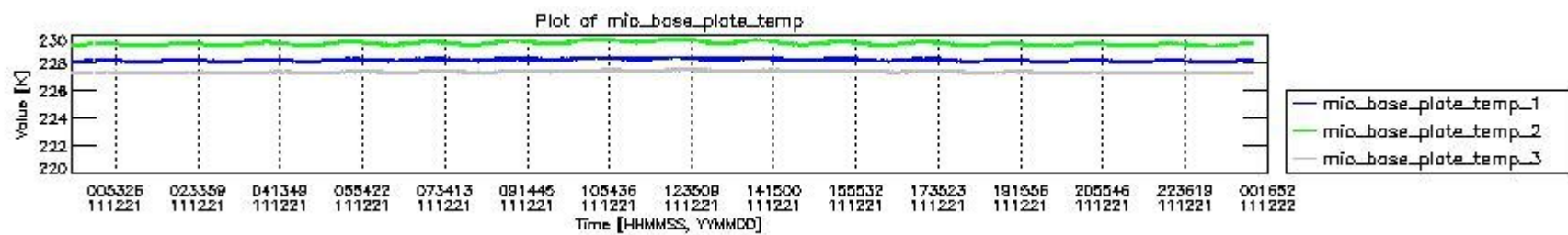
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
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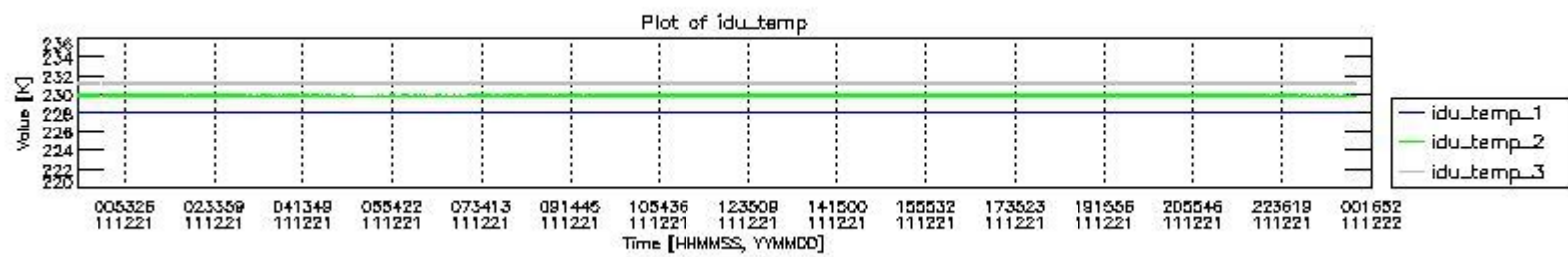
95084	1	0.0024055231
99876	1	0.0024055231
100632	1	0.0024055231
112291	1	0.0024055231
119914	1	0.0024055231
120008	1	0.0024055231
124800	38622	92.906112
124803	2937	7.0650213
125884	1	0.0024055231
126968	1	0.0024055231
127233	1	0.0024055231
132423	1	0.0024055231
147365	1	0.0024055231
149798	1	0.0024055231



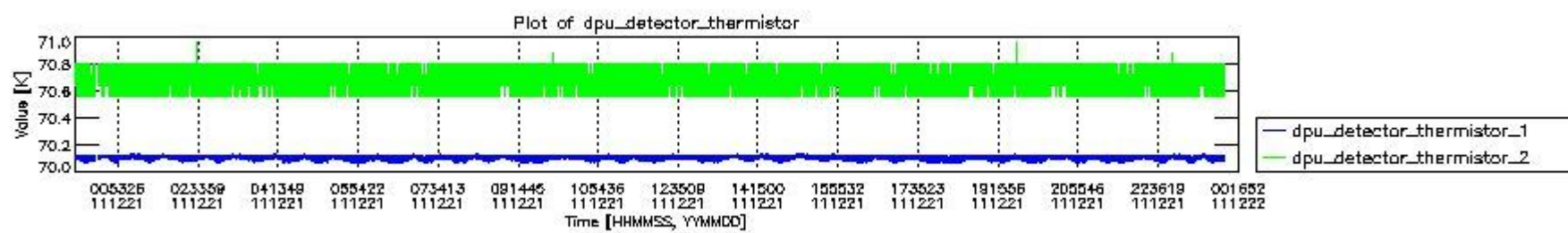
mipas_daily_report_level0_KSPT_L0_4504_N_20111221_0.PNG



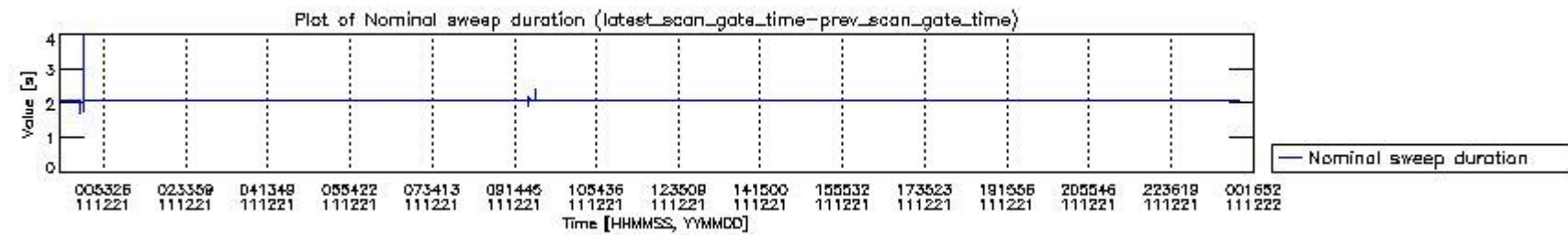
mipas_daily_report_level0_KSPT_L0_4504_N_20111221_1.PNG



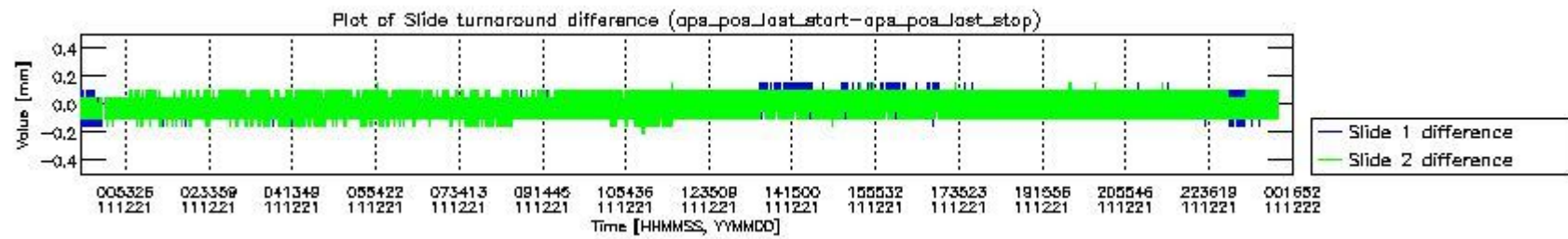
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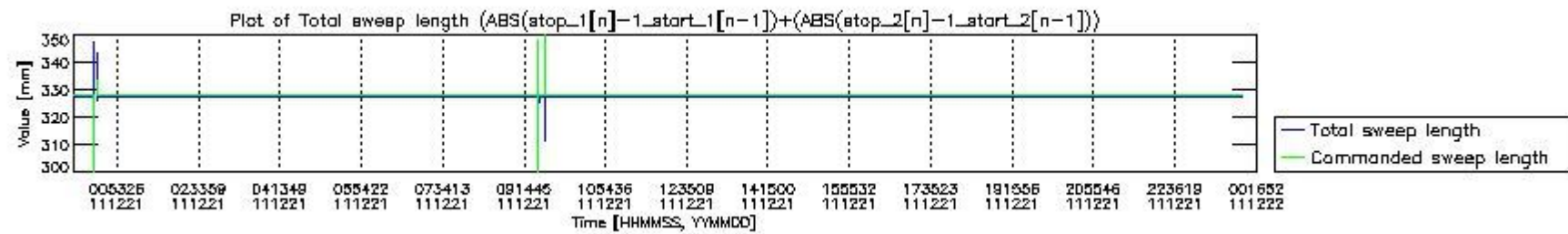
mipas_daily_report_level0_KSPT_L0_4504_N_20111221_3.PNG



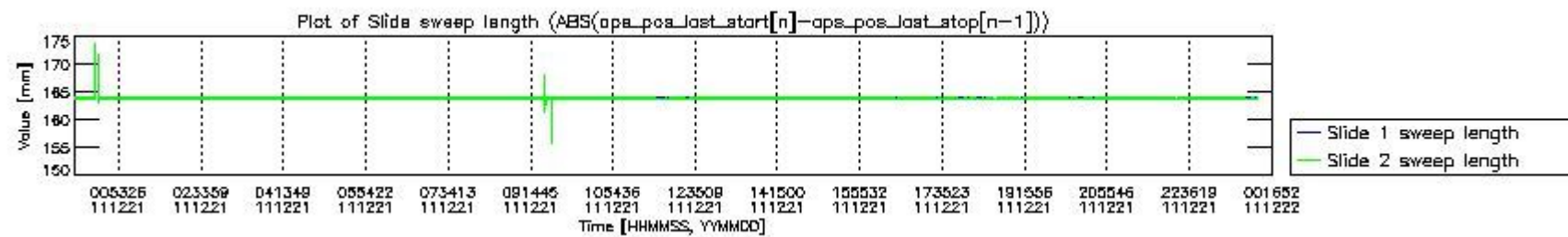
mipas_daily_report_level0_KSPT_L0_4504_N_20111221_4.PNG



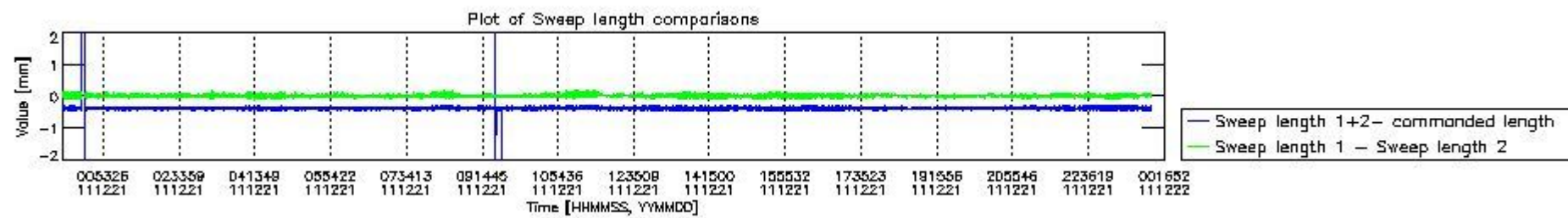
mipas_daily_report_level0_KSPT_L0_4504_N_20111221_5.PNG



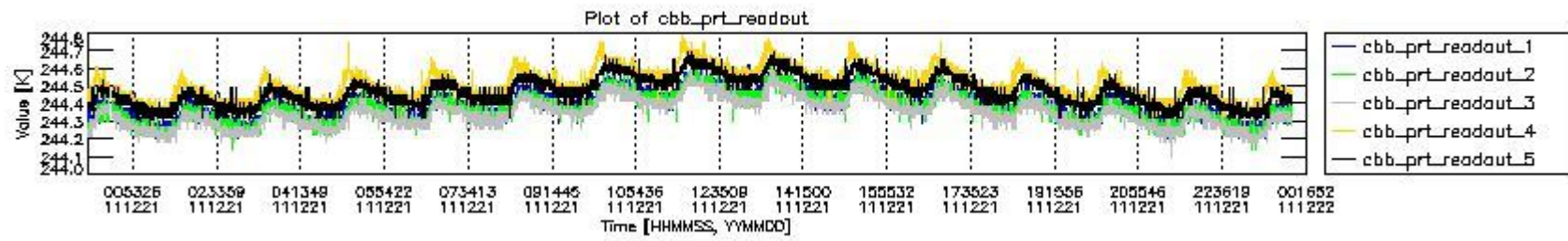
mipas_daily_report_level0_KSPT_L0_4504_N_20111221_6.PNG



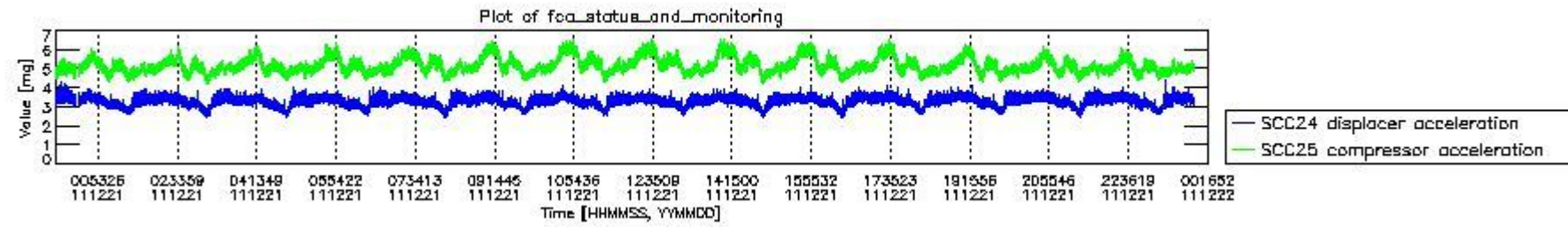
mipas_daily_report_level0_KSPT_L0_4504_N_20111221_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111221_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111221_9.PNG

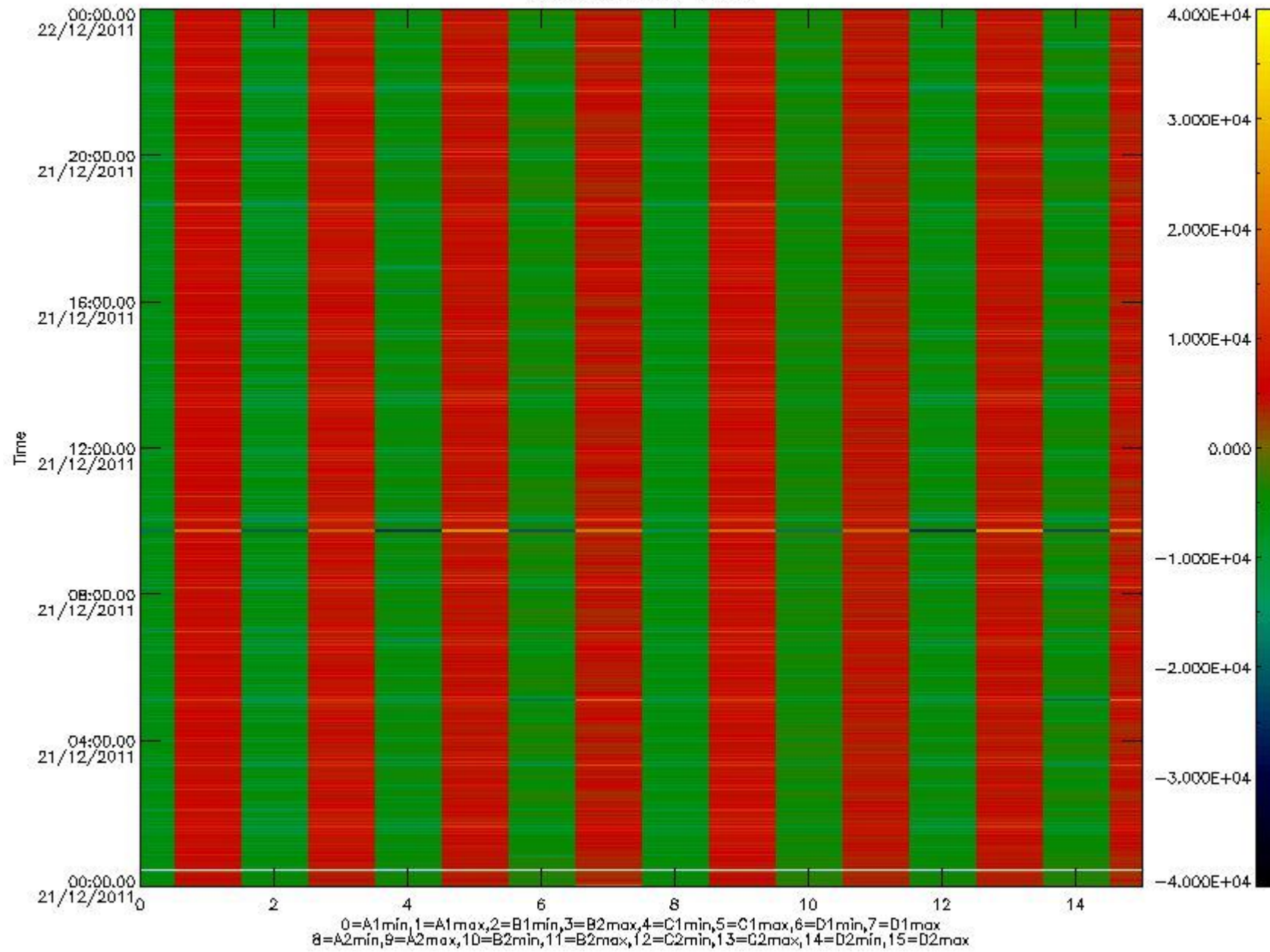


mipas_daily_report_level0_KSPT_L0_4504_N_20111221_10.PNG

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

Channel	Min	Max	ADC
A1	-18093	19152	16bit
B1	-20389	17542	16bit
C1	-24715	24593	16bit
D1	-32768	32767	16bit
A2	-15715	19366	16bit
B2	-18243	17906	16bit
C2	-25751	25349	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_20111221_11.PNG

0.3 ADF monitoring

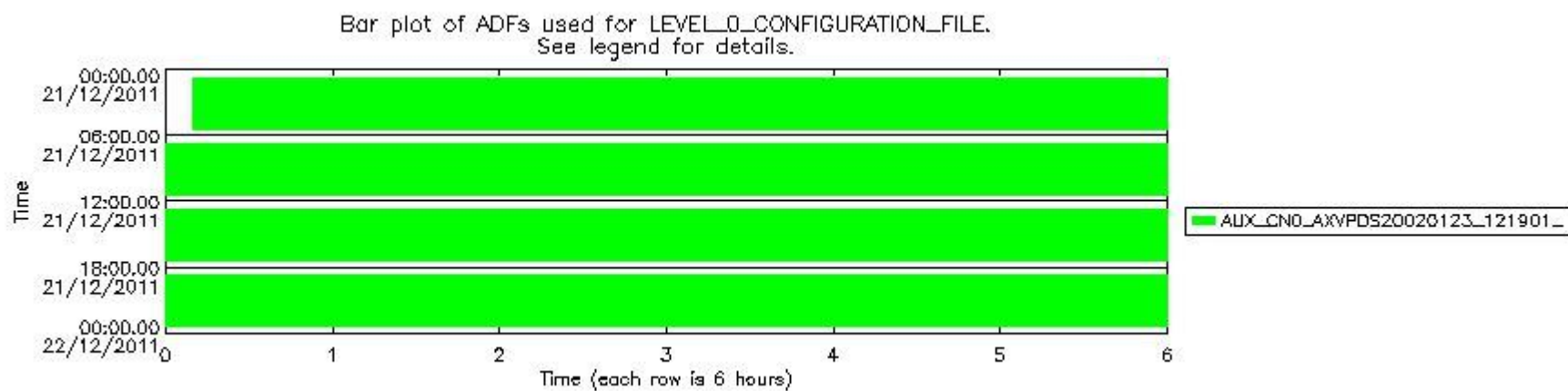
The use of ADFs is shown in two ways:

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.

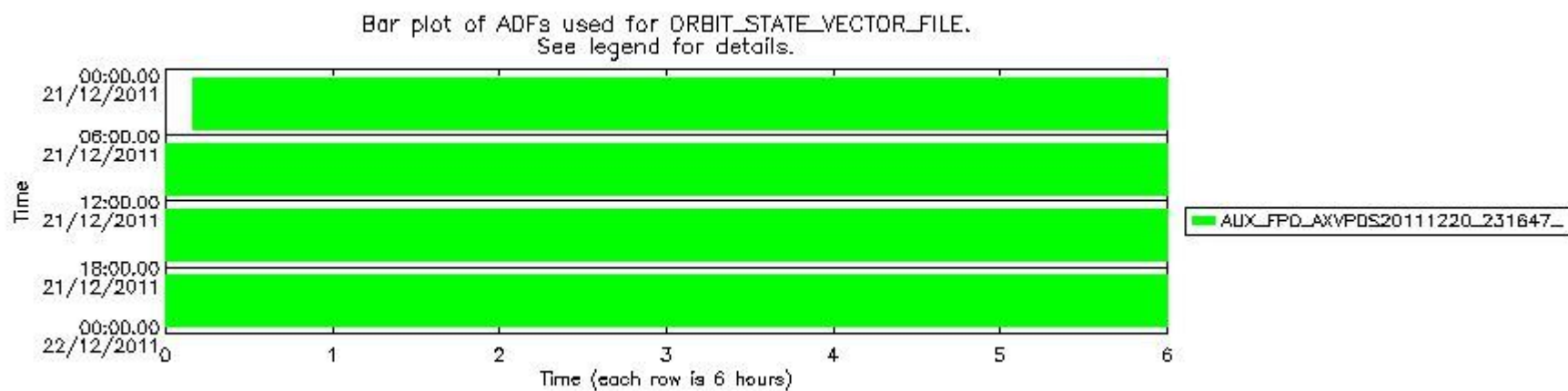
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111220_231647_20111220_192040_20111230_213422

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111221_000931_000060063109_00418_51294_5179.N1	0	1

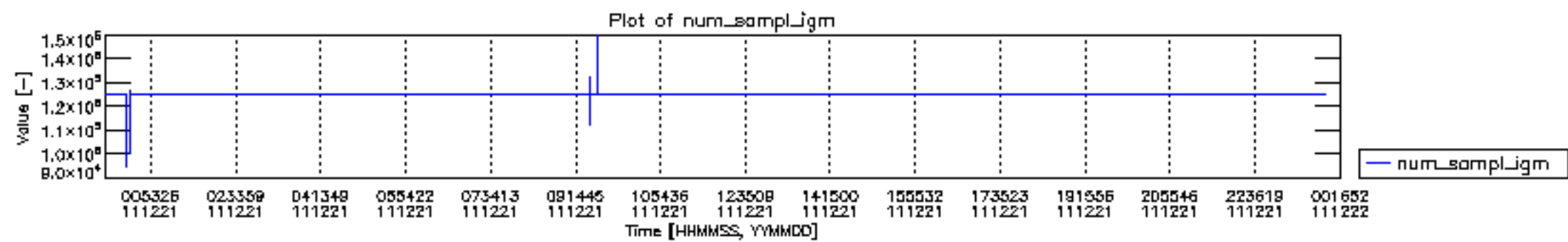
1	MIP_NL__0PNPDE20111221_002911_000048263109_00419_51295_5184.N1	0	1
2	MIP_NL__0PNPDE20111221_014839_000043623109_00419_51295_5180.N1	0	1
3	MIP_NL__0PNPDE20111221_030047_000061403109_00420_51296_5181.N1	0	1
4	MIP_NL__0PNPDE20111221_044233_000060813109_00421_51297_5182.N1	0	1
5	MIP_NL__0PNPDK20111221_062321_000040403109_00422_51298_7854.N1	0	1
6	MIP_NL__0PNPDK20111221_072943_000061483109_00423_51299_7855.N1	0	1
7	MIP_NL__0PNPDK20111221_091032_000060653109_00424_51300_7856.N1	0	1
8	MIP_NL__0PNPDK20111221_104959_000059163109_00425_51301_7857.N1	0	1
9	MIP_NL__0PNPDK20111221_122739_000061103109_00426_51302_7858.N1	0	1
10	MIP_NL__0PNPDK20111221_140833_000058933109_00427_51303_7859.N1	0	1
11	MIP_NL__0PNPDK20111221_154613_000057743109_00428_51304_7860.N1	0	1
12	MIP_NL__0PNPDK20111221_172122_000059473109_00429_51305_7861.N1	0	1
13	MIP_NL__0PNPDK20111221_185923_000060313109_00430_51306_7864.N1	0	1
14	MIP_NL__0PNPDK20111221_193630_000038043109_00430_51306_7863.N1	0	1
15	MIP_NL__0PNPDE20111221_203807_000044853109_00431_51307_5185.N1	0	1
16	MIP_NL__0PNPDE20111221_215156_000060943109_00431_51307_5186.N1	0	1
17	MIP_NL__0PNPDE20111221_233231_000060463110_00001_51308_5187.N1	0	1

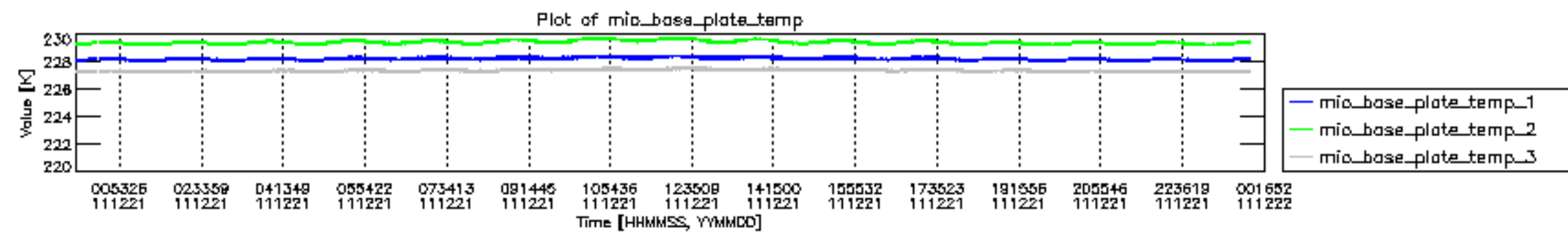


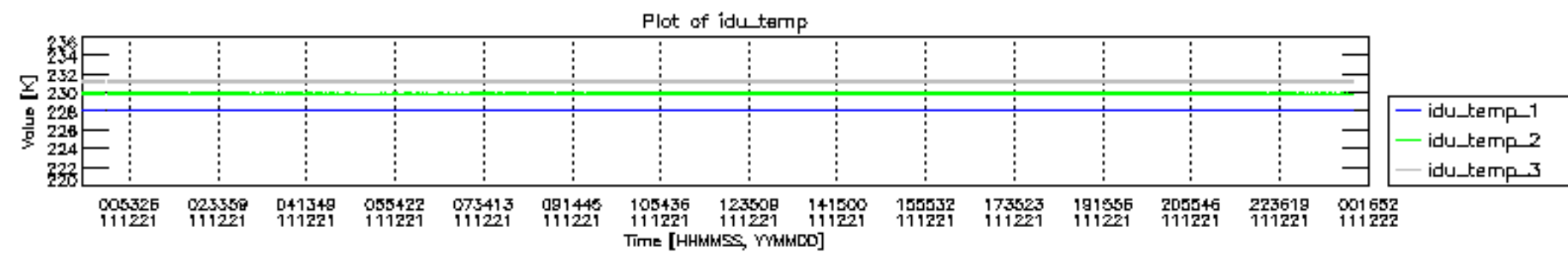
mipas_daily_report_level0_KSPT_L0_4504_N_20111221_12.PNG

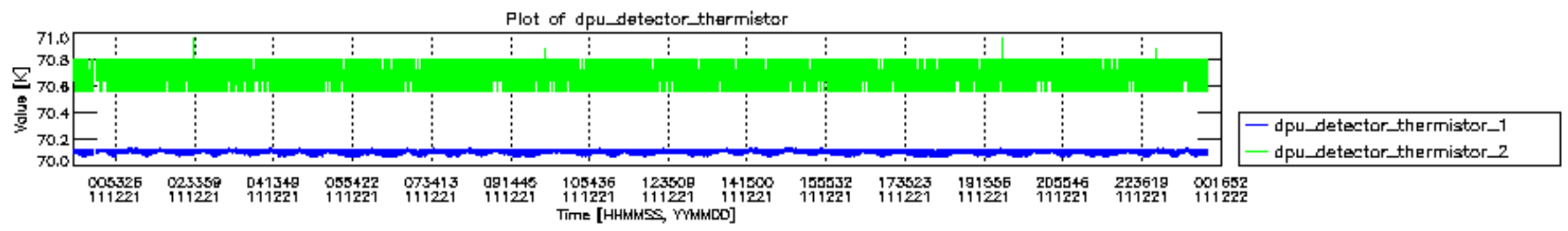


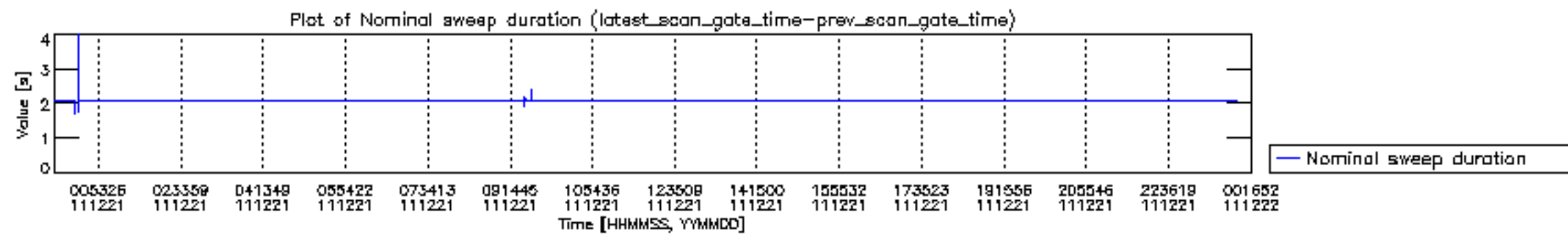
mipas_daily_report_level0_KSPT_L0_4504_N_20111221_13.PNG

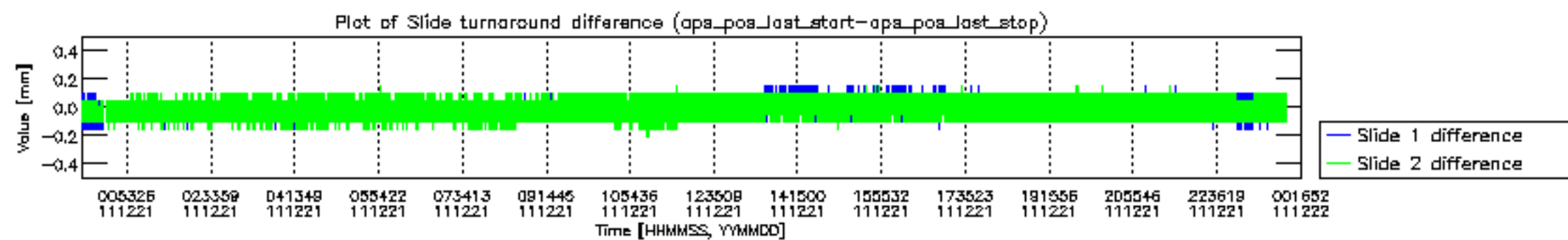


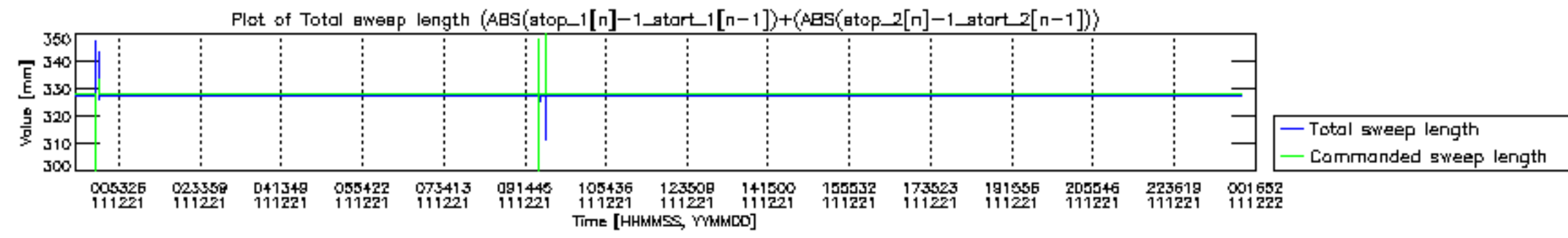


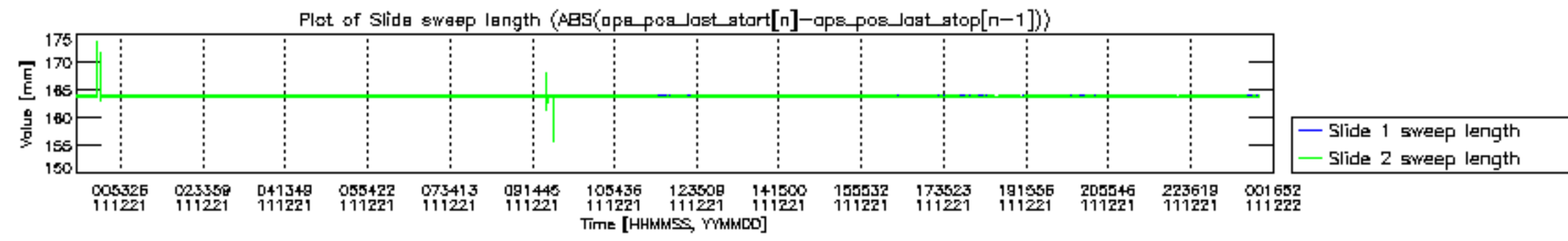


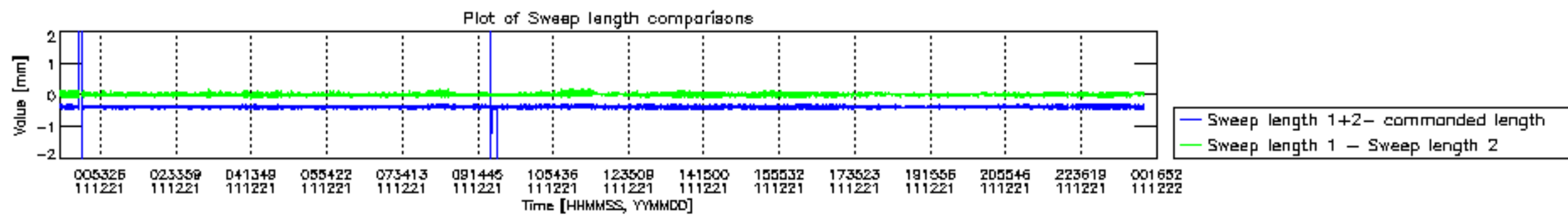


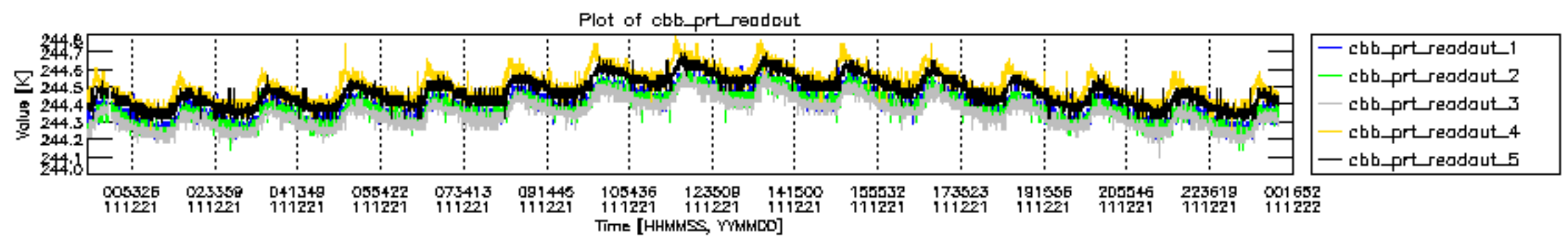


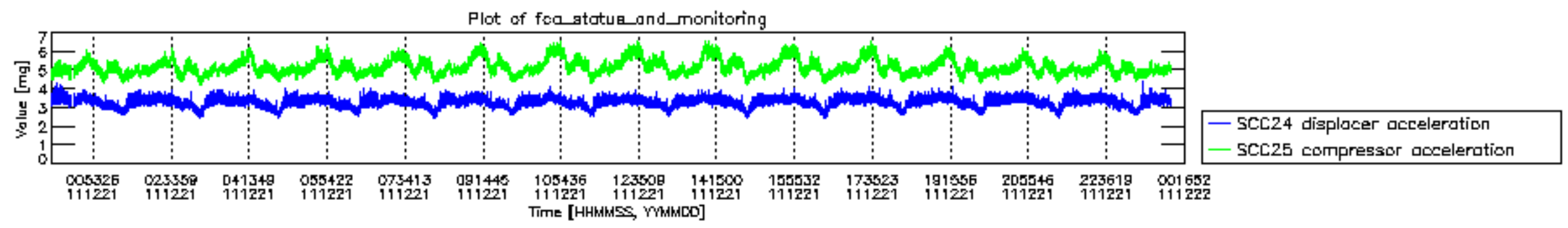












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

