

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	05NOV2011 05:22:58
Data source version	KSPT_L0/4504-N
Processing scope for products	31OCT2011 00:00:00 to 01NOV2011 00:00:00
Start time of first product within scope	31OCT2011 01:18:01
Stop time of last product within scope	01NOV2011 00:43:16
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__0PNPDE20111031_011801_000103103108_00117_50562_9905.N1	31OCT2011 01:18:01	31OCT2011 04:09:51	0	0	0	0	0
1	MIP_NL__0PNPDE20111031_040918_000062113108_00119_50564_9906.N1	31OCT2011 04:09:18	31OCT2011 05:52:48	0	0	0	0	0
2	MIP_NL__0PNPDE20111031_055215_000062403108_00120_50565_9907.N1	31OCT2011 05:52:15	31OCT2011 07:36:15	0	0	0	0	0
3	MIP_NL__0PNPDK20111031_073541_000038603108_00121_50566_7396.N1	31OCT2011 07:35:41	31OCT2011 08:40:02	0	0	0	0	0
4	MIP_NL__0PNPDK20111031_083901_000061773108_00122_50567_7397.N1	31OCT2011 08:39:01	31OCT2011 10:21:58	0	0	0	0	0
5	MIP_NL__0PNPDK20111031_102100_000059723108_00123_50568_7398.N1	31OCT2011 10:21:00	31OCT2011 12:00:32	0	0	0	0	0
6	MIP_NL__0PNPDK20111031_115932_000059123108_00124_50569_7399.N1	31OCT2011 11:59:32	31OCT2011 13:38:04	0	0	0	0	0
7	MIP_NL__0PNPDK20111031_133703_000059453108_00125_50570_7400.N1	31OCT2011 13:37:03	31OCT2011 15:16:08	0	0	0	0	0
8	MIP_NL__0PNPDK20111031_151432_000059753108_00126_50571_7401.N1	31OCT2011 15:14:32	31OCT2011 16:54:07	0	0	0	0	0
9	MIP_NL__0PNPDK20111031_165321_000058853108_00127_50572_7402.N1	31OCT2011 16:53:21	31OCT2011 18:31:25	0	0	0	0	0
10	MIP_NL__0PNPDK20111031_183023_000060233108_00128_50573_7403.N1	31OCT2011 18:30:23	31OCT2011 20:10:45	0	0	0	0	0
11	MIP_NL__0PNPDE20111031_200857_000043563108_00129_50574_9908.N1	31OCT2011 20:08:57	31OCT2011 21:21:32	0	0	0	0	0
12	MIP_NL__0PNPDE20111031_212023_000061403108_00129_50574_9909.N1	31OCT2011 21:20:23	31OCT2011 23:02:43	0	0	0	0	0
13	MIP_NL__0PNPDE20111031_230134_000061023108_00130_50575_9910.N1	31OCT2011 23:01:34	01NOV2011 00:43:16	0	0	0	0	0

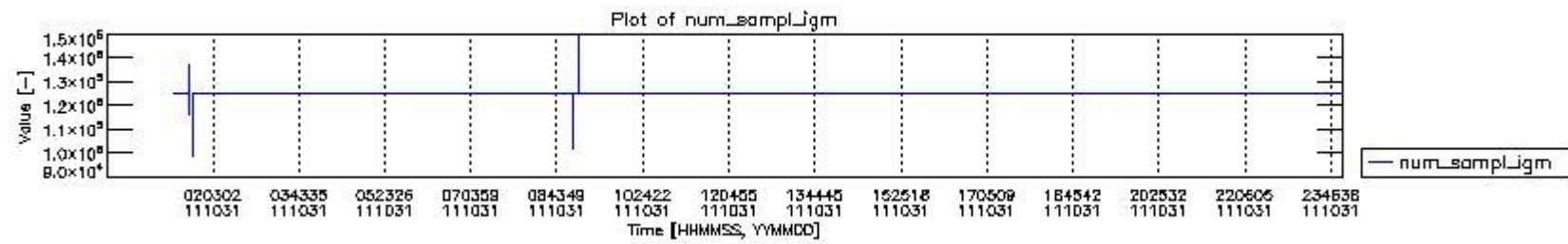
0.2 Instrument Operational Performance Parameters

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.

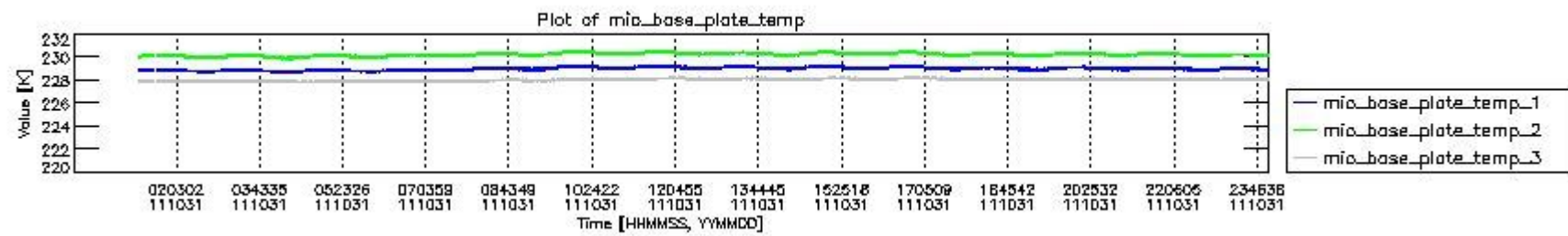
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98922	1	0.0025438173
101774	1	0.0025438173
103221	1	0.0025438173
116677	1	0.0025438173

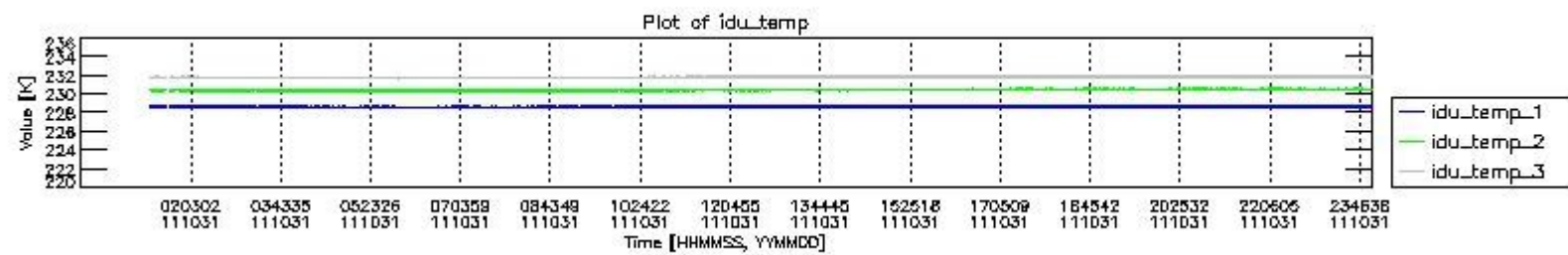
123353	1	0.0025438173
123548	1	0.0025438173
124174	1	0.0025438173
124800	37059	94.271324
124803	2240	5.6981506
127233	1	0.0025438173
128686	1	0.0025438173
136809	1	0.0025438173
147365	1	0.0025438173
149798	1	0.0025438173



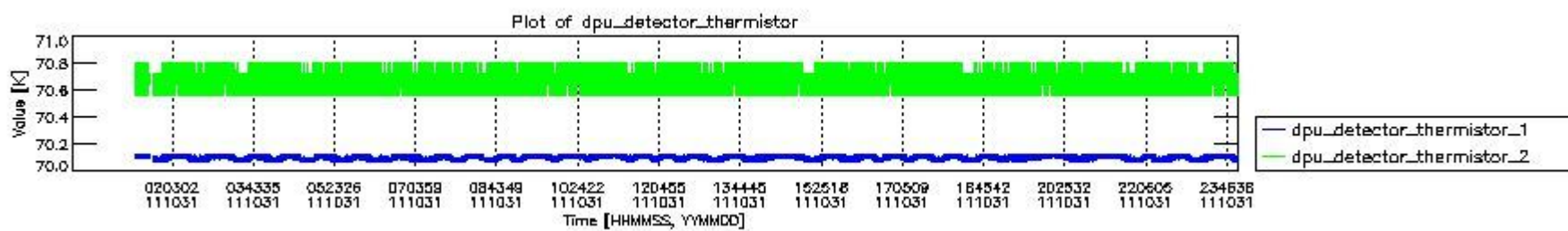
mipas_daily_report_level0_KSPT_L0_4504_N_20111031_0.PNG



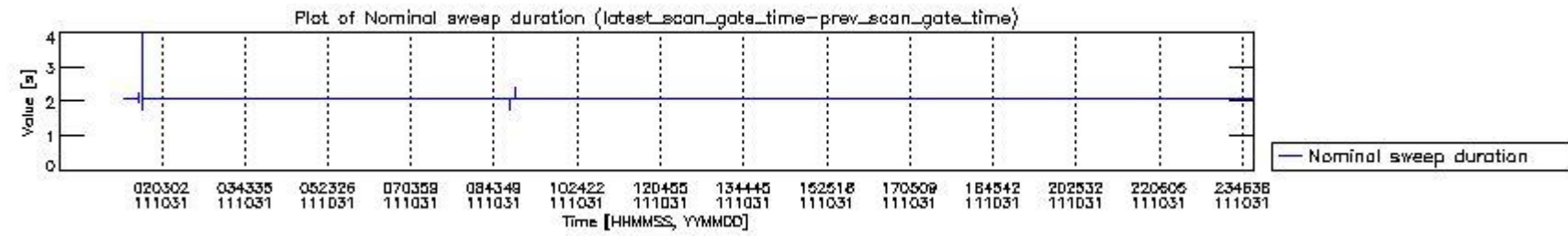
mipas_daily_report_level0_KSPT_L0_4504_N_20111031_1.PNG



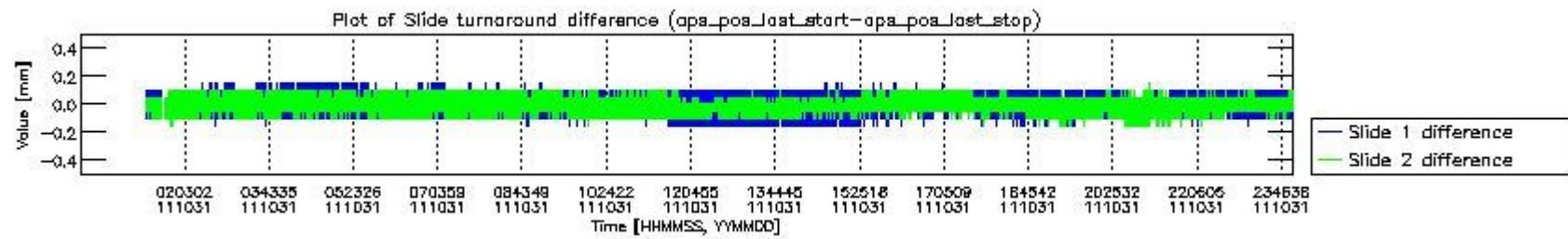
mipas_daily_report_level0_KSPT_L0_4504_N_20111031_2.PNG



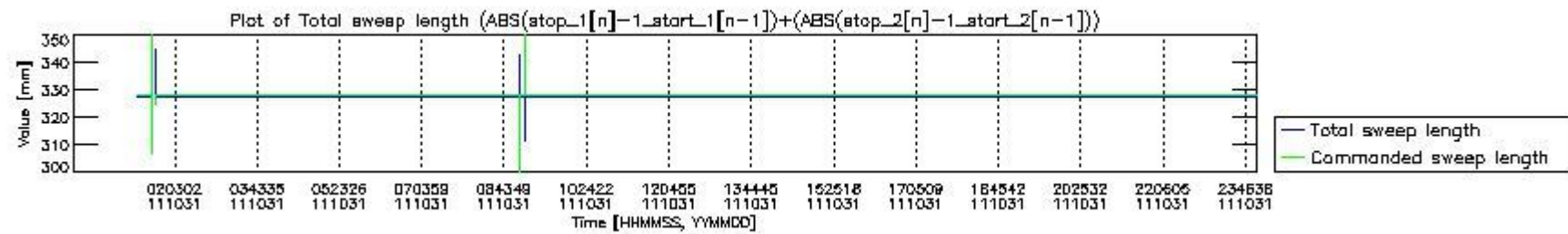
mipas_daily_report_level0_KSPT_L0_4504_N_20111031_3.PNG



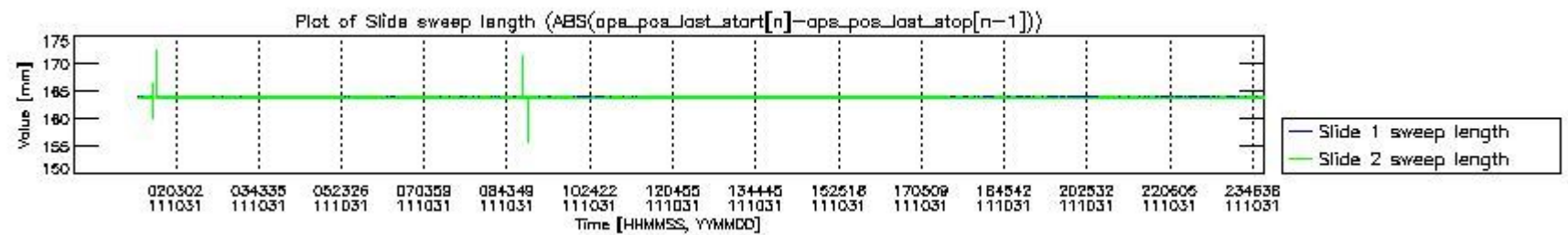
mipas_daily_report_level0_KSPT_L0_4504_N_20111031_4.PNG



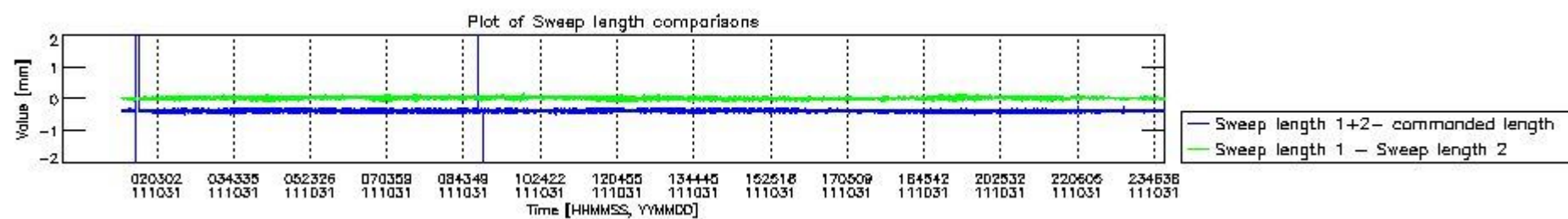
mipas_daily_report_level0_KSPT_L0_4504_N_20111031_5.PNG



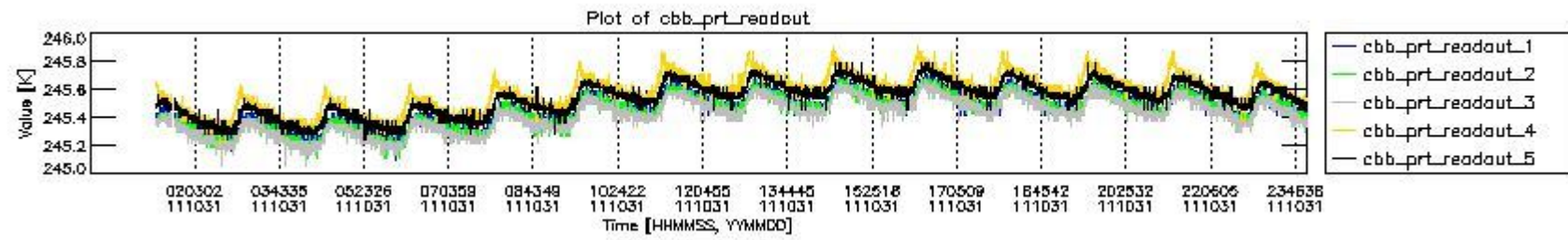
mipas_daily_report_level0_KSPT_L0_4504_N_20111031_6.PNG



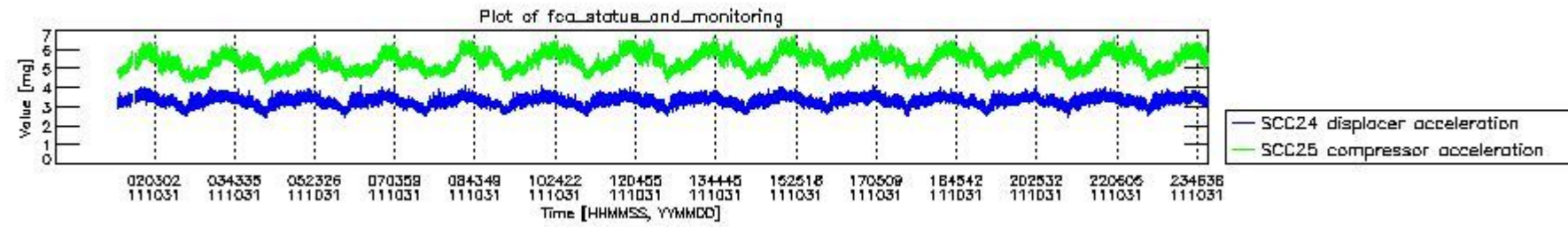
mipas_daily_report_level0_KSPT_L0_4504_N_20111031_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111031_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111031_9.PNG

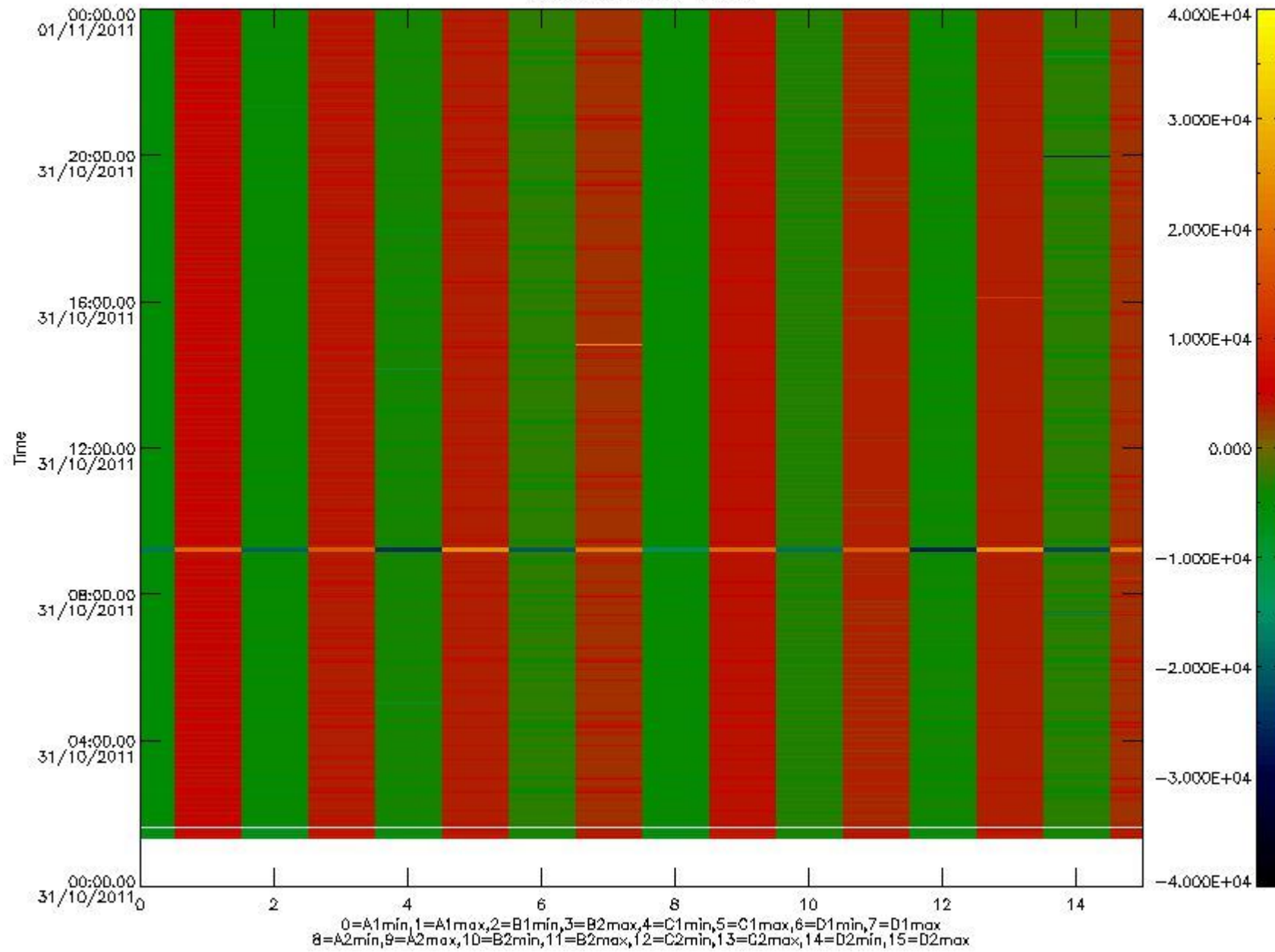


mipas_daily_report_level0_KSPT_L0_4504_N_20111031_10.PNG

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

Channel	Min	Max	ADC
A1	-18537	19666	16bit
B1	-20805	17859	16bit
C1	-25698	25638	16bit
D1	-21586	32767	16bit
A2	-16015	19798	16bit
B2	-18811	18444	16bit
C2	-26752	26424	16bit
D2	-32768	23573	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111031_11.PNG

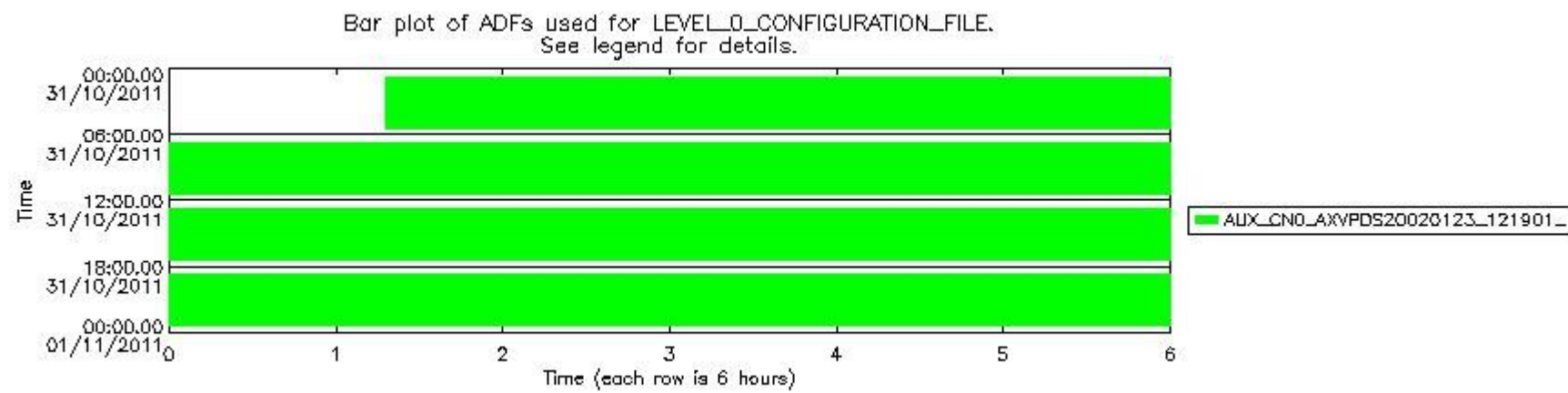
0.3 ADF monitoring

The use of ADFs is shown in two ways:

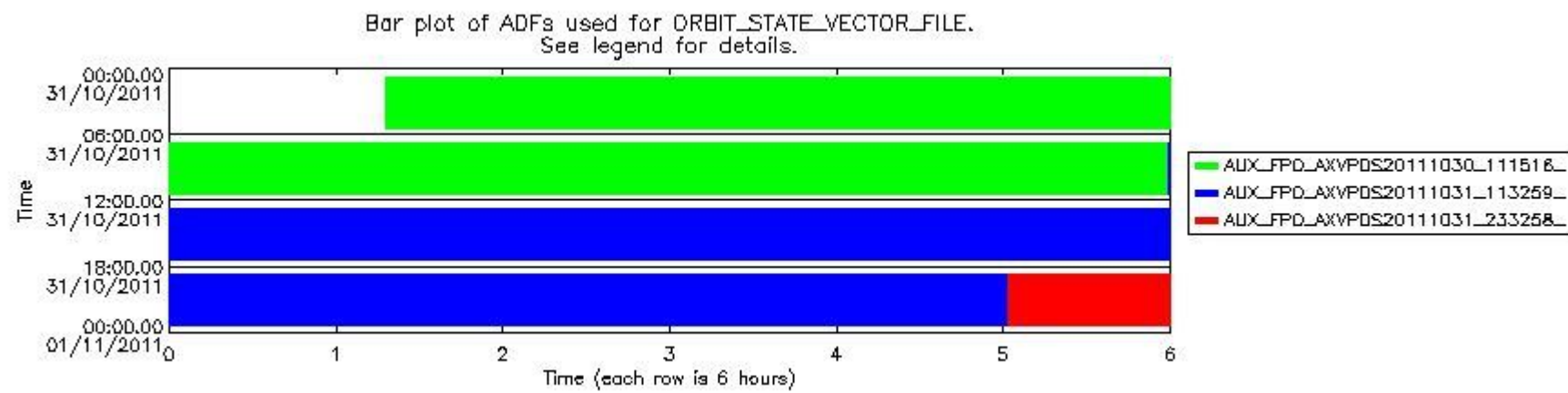
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111030_111516_20111029_192702_20111108_200032
2	AUX_FPO_AXVPDS20111031_113259_20111030_185018_20111109_210402
3	AUX_FPO_AXVPDS20111031_233258_20111031_195347_20111110_202717

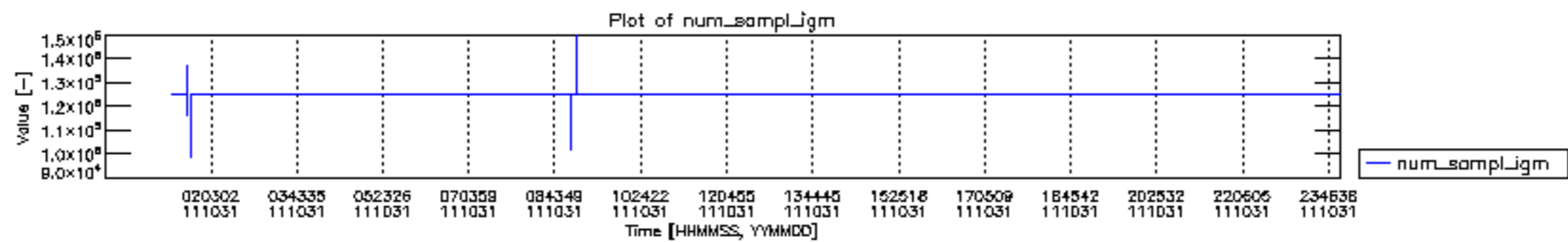
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111031_011801_000103103108_00117_50562_9905.N1	0	1
1	MIP_NL__0PNPDE20111031_040918_000062113108_00119_50564_9906.N1	0	1
2	MIP_NL__0PNPDE20111031_055215_000062403108_00120_50565_9907.N1	0	1
3	MIP_NL__0PNPDK20111031_073541_000038603108_00121_50566_7396.N1	0	1
4	MIP_NL__0PNPDK20111031_083901_000061773108_00122_50567_7397.N1	0	1
5	MIP_NL__0PNPDK20111031_102100_000059723108_00123_50568_7398.N1	0	1
6	MIP_NL__0PNPDK20111031_115932_000059123108_00124_50569_7399.N1	0	2
7	MIP_NL__0PNPDK20111031_133703_000059453108_00125_50570_7400.N1	0	2
8	MIP_NL__0PNPDK20111031_151432_000059753108_00126_50571_7401.N1	0	2
9	MIP_NL__0PNPDK20111031_165321_000058853108_00127_50572_7402.N1	0	2
10	MIP_NL__0PNPDK20111031_183023_000060233108_00128_50573_7403.N1	0	2
11	MIP_NL__0PNPDE20111031_200857_000043563108_00129_50574_9908.N1	0	2
12	MIP_NL__0PNPDE20111031_212023_000061403108_00129_50574_9909.N1	0	2
13	MIP_NL__0PNPDE20111031_230134_000061023108_00130_50575_9910.N1	0	3

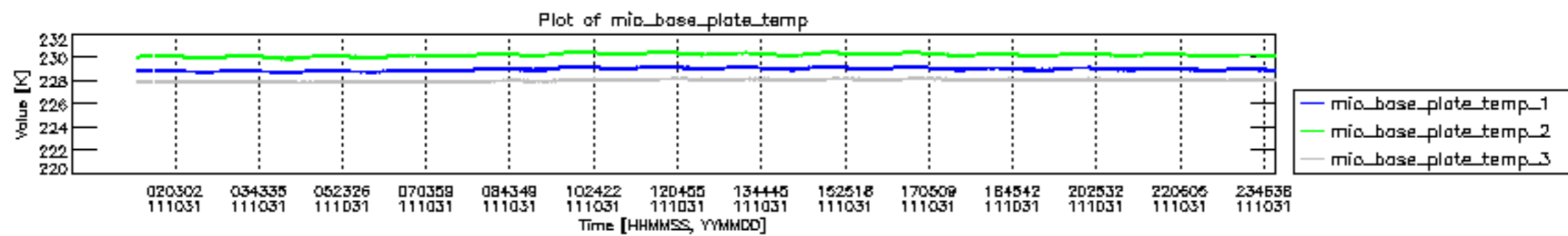


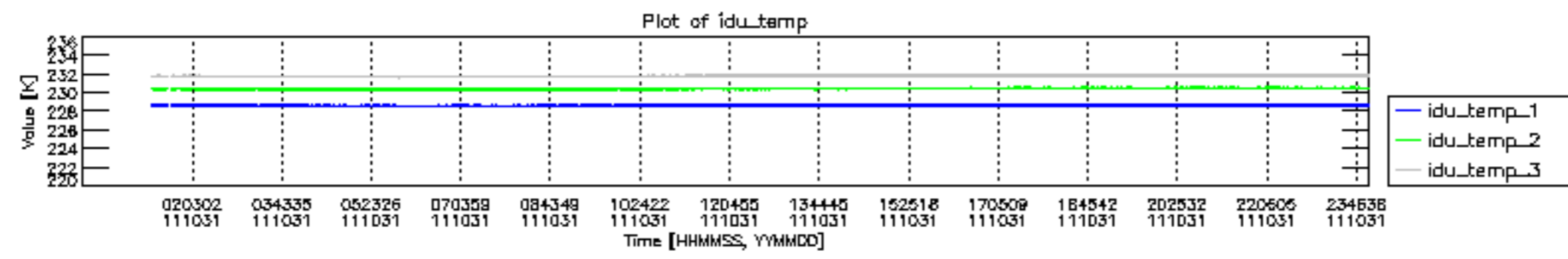
mipas_daily_report_level0_KSPT_L0_4504_N_20111031_12.PNG

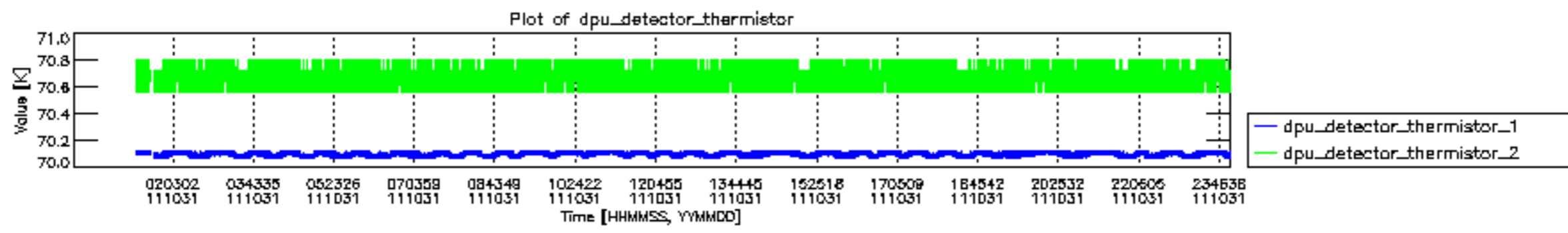


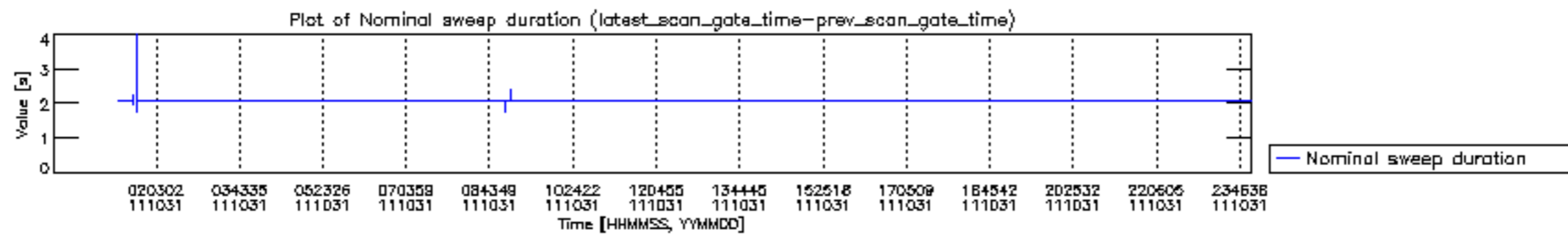
mipas_daily_report_level0_KSPT_L0_4504_N_20111031_13.PNG

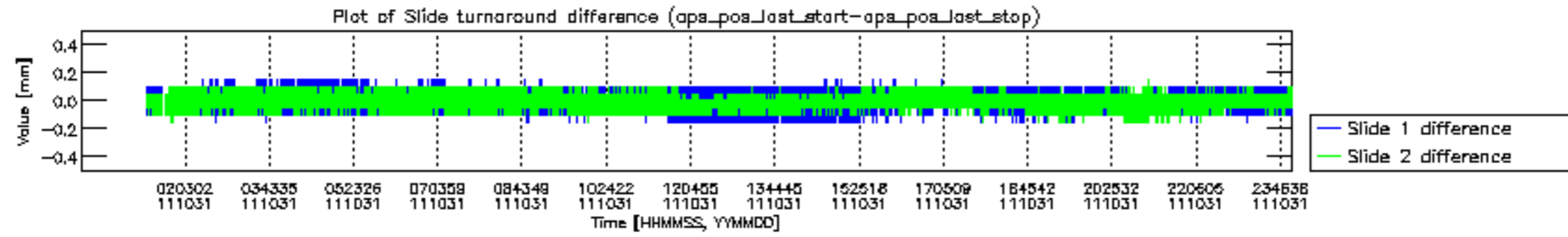


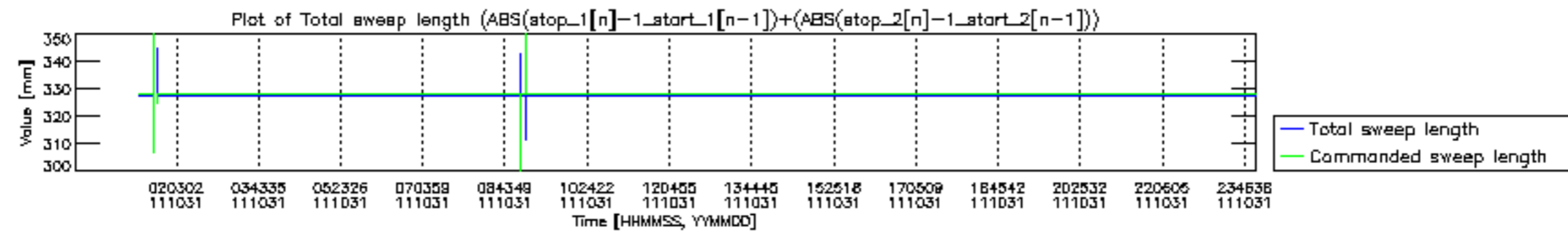


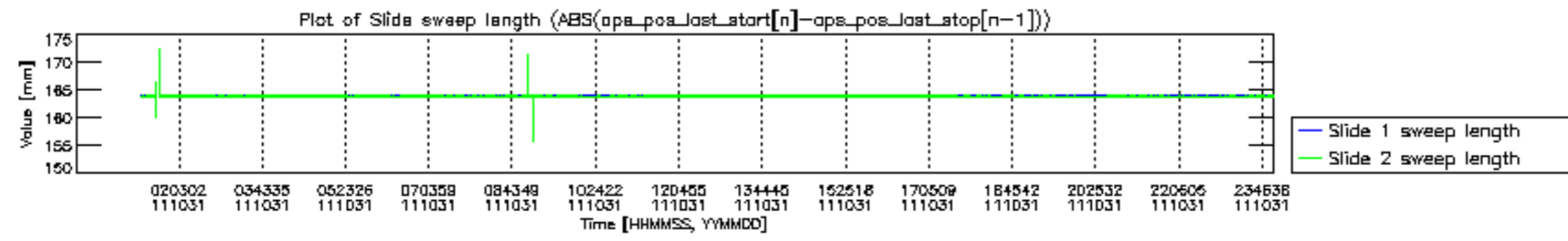


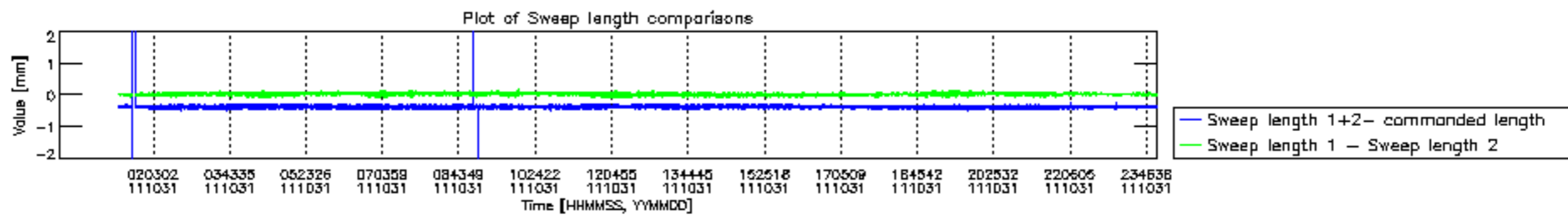


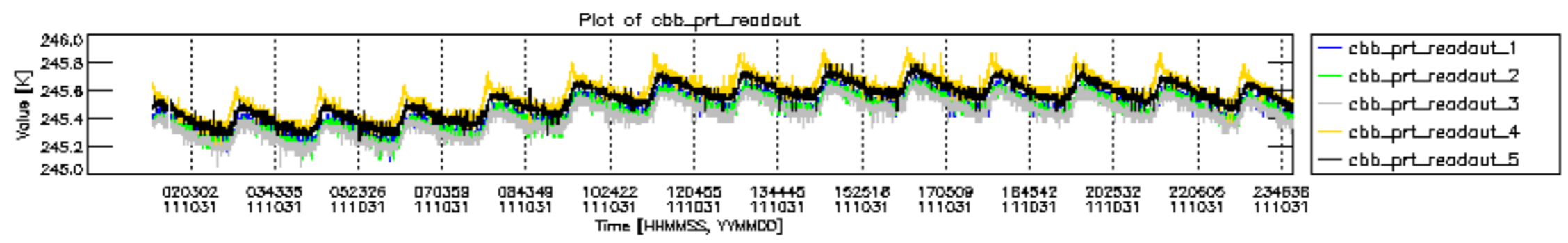


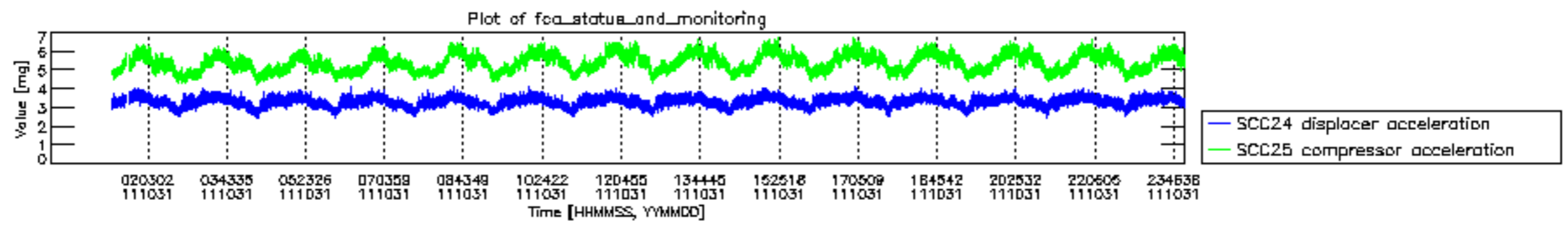












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

