

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	22FEB2011 05:26:04
Data source version	KSPT_L0/4504-N
Processing scope for products	17FEB2011 00:00:00 to 18FEB2011 00:00:00
Start time of first product within scope	17FEB2011 01:02:51
Stop time of last product within scope	18FEB2011 00:26:56
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__0PNPDE20110217_010251_000102513099_00318_46884_2935.N1	17FEB2011 01:02:51	17FEB2011 03:53:41	0	0	0	0	0
1	MIP_NL__0PNPDE20110217_035310_000062023099_00320_46886_2936.N1	17FEB2011 03:53:10	17FEB2011 05:36:32	0	0	0	0	0
2	MIP_NL__0PNPDE20110217_053559_000060243099_00321_46887_2937.N1	17FEB2011 05:35:59	17FEB2011 07:16:22	0	0	0	0	0
3	MIP_NL__0PNPDK20110217_071549_000040863099_00322_46888_4324.N1	17FEB2011 07:15:49	17FEB2011 08:23:55	0	0	0	0	0
4	MIP_NL__0PNPDK20110217_082256_000060353099_00323_46889_4325.N1	17FEB2011 08:22:56	17FEB2011 10:03:31	0	0	0	0	0
5	MIP_NL__0PNPDK20110217_100153_000059753099_00324_46890_4326.N1	17FEB2011 10:01:53	17FEB2011 11:41:28	0	0	0	0	0
6	MIP_NL__0PNPDK20110217_113948_000061213099_00325_46891_4327.N1	17FEB2011 11:39:48	17FEB2011 13:21:48	0	0	0	0	0
7	MIP_NL__0PNPDK20110217_132010_000059723099_00326_46892_4328.N1	17FEB2011 13:20:10	17FEB2011 14:59:43	0	0	0	0	0
8	MIP_NL__0PNPDK20110217_145802_000058833099_00327_46893_4329.N1	17FEB2011 14:58:02	17FEB2011 16:36:05	0	0	0	0	0
9	MIP_NL__0PNPDK20110217_163531_000059983099_00328_46894_4330.N1	17FEB2011 16:35:31	17FEB2011 18:15:29	0	0	0	0	0
10	MIP_NL__0PNPDK20110217_181453_000058723099_00329_46895_4331.N1	17FEB2011 18:14:53	17FEB2011 19:52:46	0	0	0	0	0
11	MIP_NL__0PNPDE20110217_195103_000041913099_00330_46896_2938.N1	17FEB2011 19:51:03	17FEB2011 21:00:54	0	0	0	0	0
12	MIP_NL__0PNPDE20110217_205959_000064323099_00330_46896_2939.N1	17FEB2011 20:59:59	17FEB2011 22:47:11	0	0	0	0	0
13	MIP_NL__0PNPDE20110217_224607_000060503099_00331_46897_2940.N1	17FEB2011 22:46:07	18FEB2011 00:26:56	0	0	0	0	0

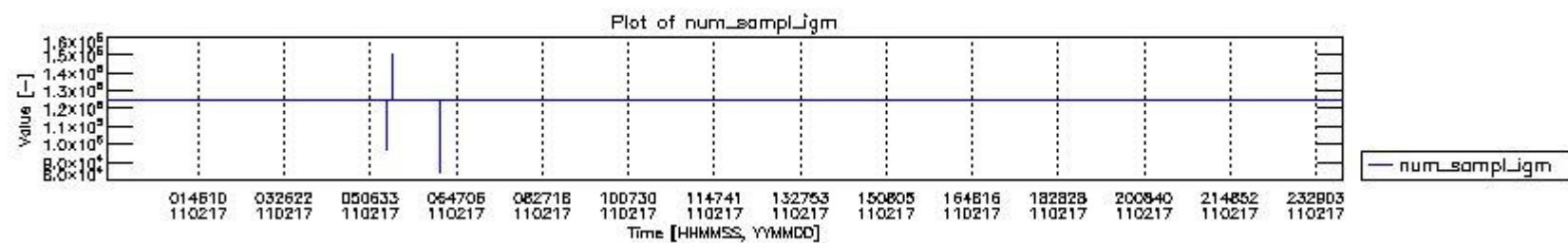
0.2 Instrument Operational Performance Parameters

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.

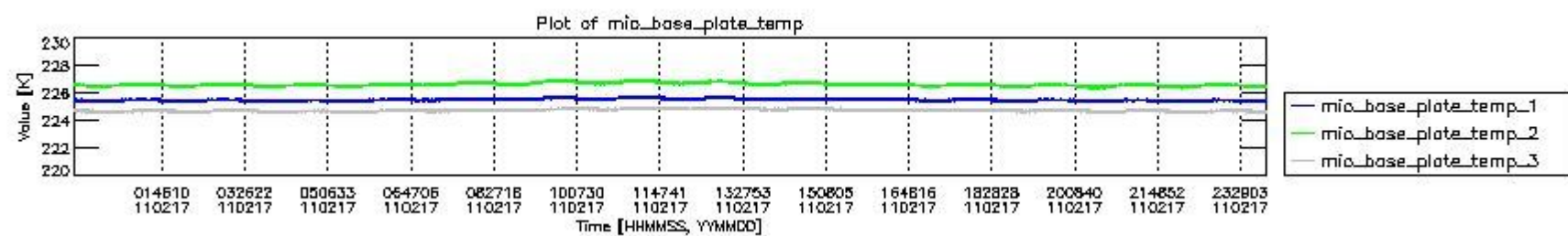
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
84676	1	0.0024014793
94672	1	0.0024014793
97462	1	0.0024014793
101065	1	0.0024014793

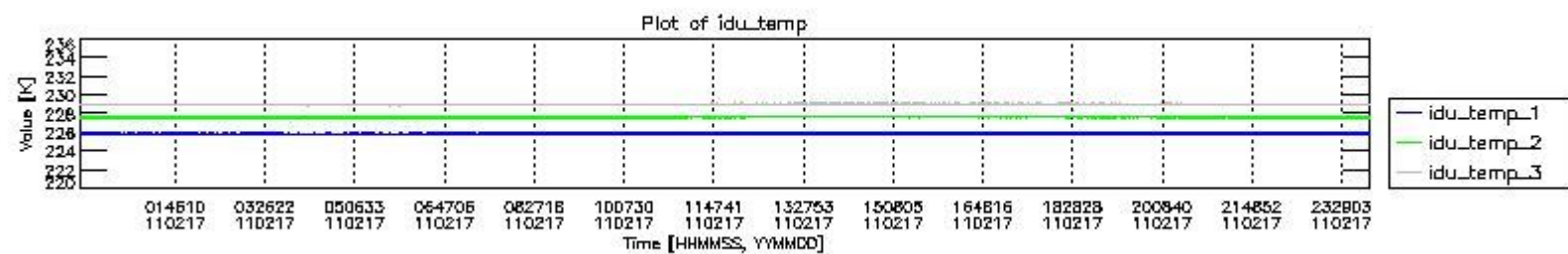
114804	1	0.0024014793
121197	1	0.0024014793
124800	38675	92.877212
124803	2957	7.1011743
127456	1	0.0024014793
147588	1	0.0024014793
150244	1	0.0024014793



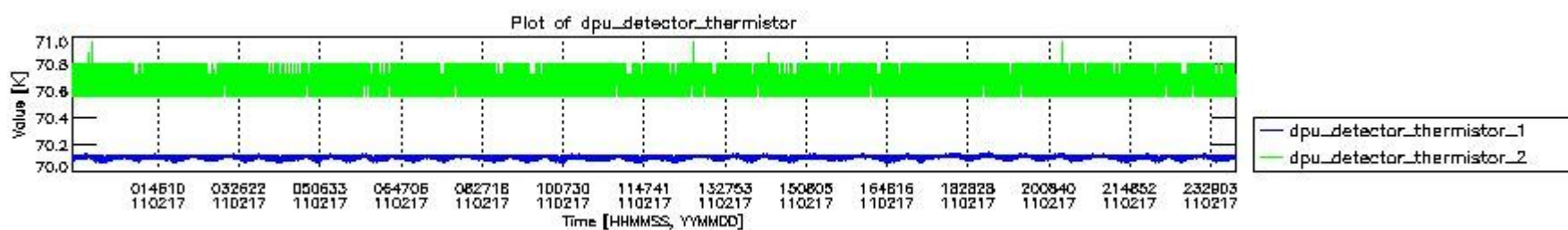
mipas_daily_report_level0_KSPT_L0_4504_N_20110217_0.PNG



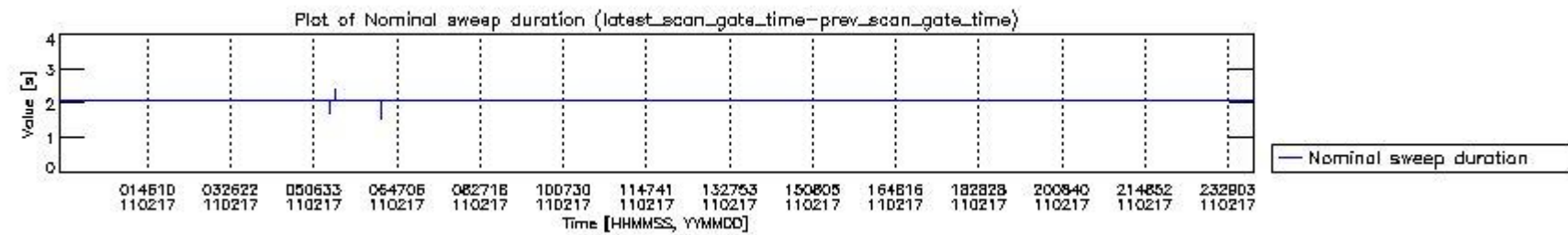
mipas_daily_report_level0_KSPT_L0_4504_N_20110217_1.PNG



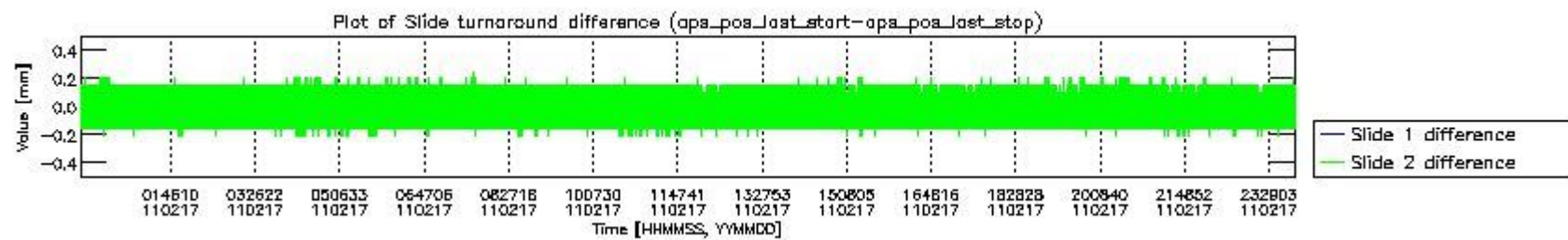
mipas_daily_report_level0_KSPT_L0_4504_N_20110217_2.PNG



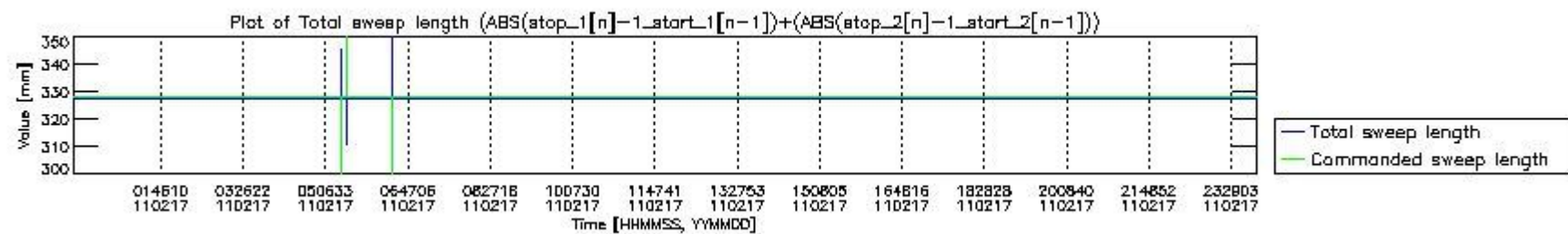
mipas_daily_report_level0_KSPT_L0_4504_N_20110217_3.PNG



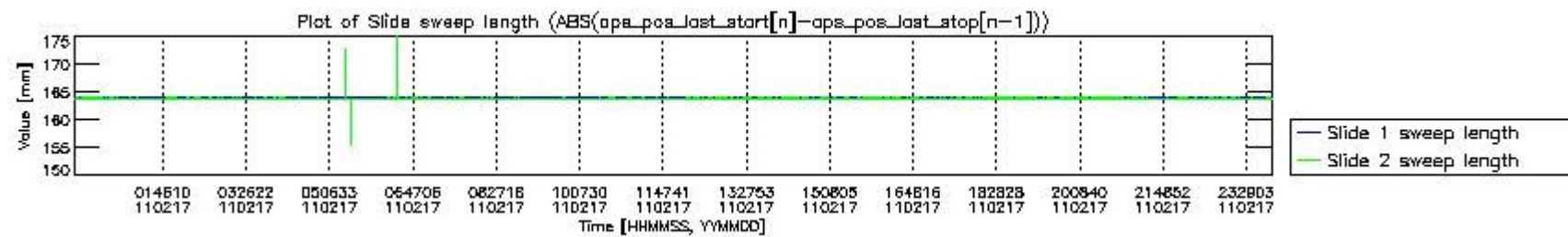
mipas_daily_report_level0_KSPT_L0_4504_N_20110217_4.PNG



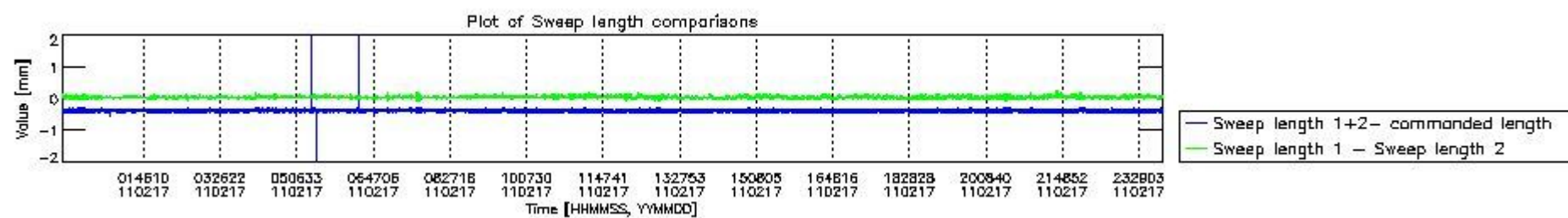
mipas_daily_report_level0_KSPT_L0_4504_N_20110217_5.PNG



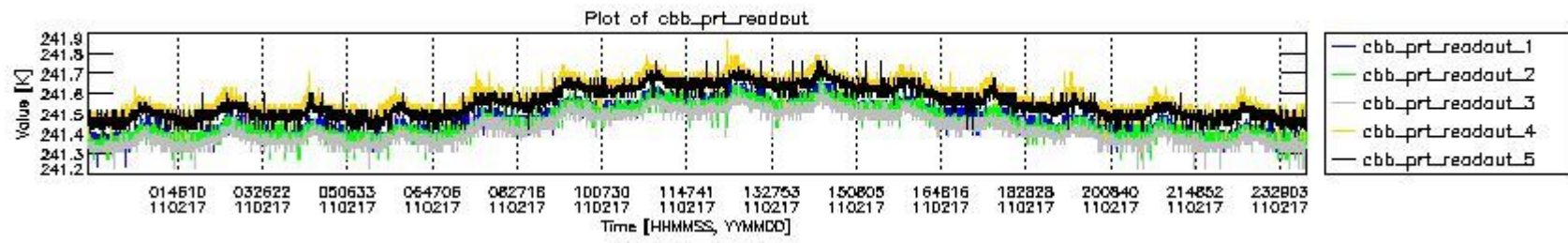
mipas_daily_report_level0_KSPT_L0_4504_N_20110217_6.PNG



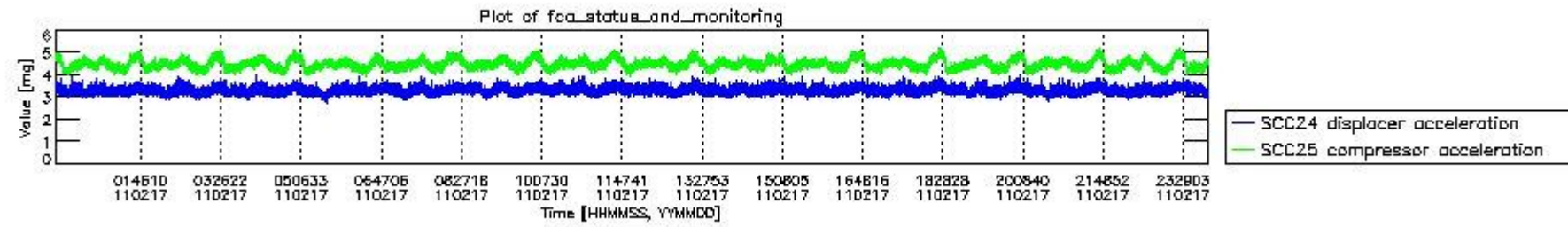
mipas_daily_report_level0_KSPT_L0_4504_N_20110217_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110217_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110217_9.PNG

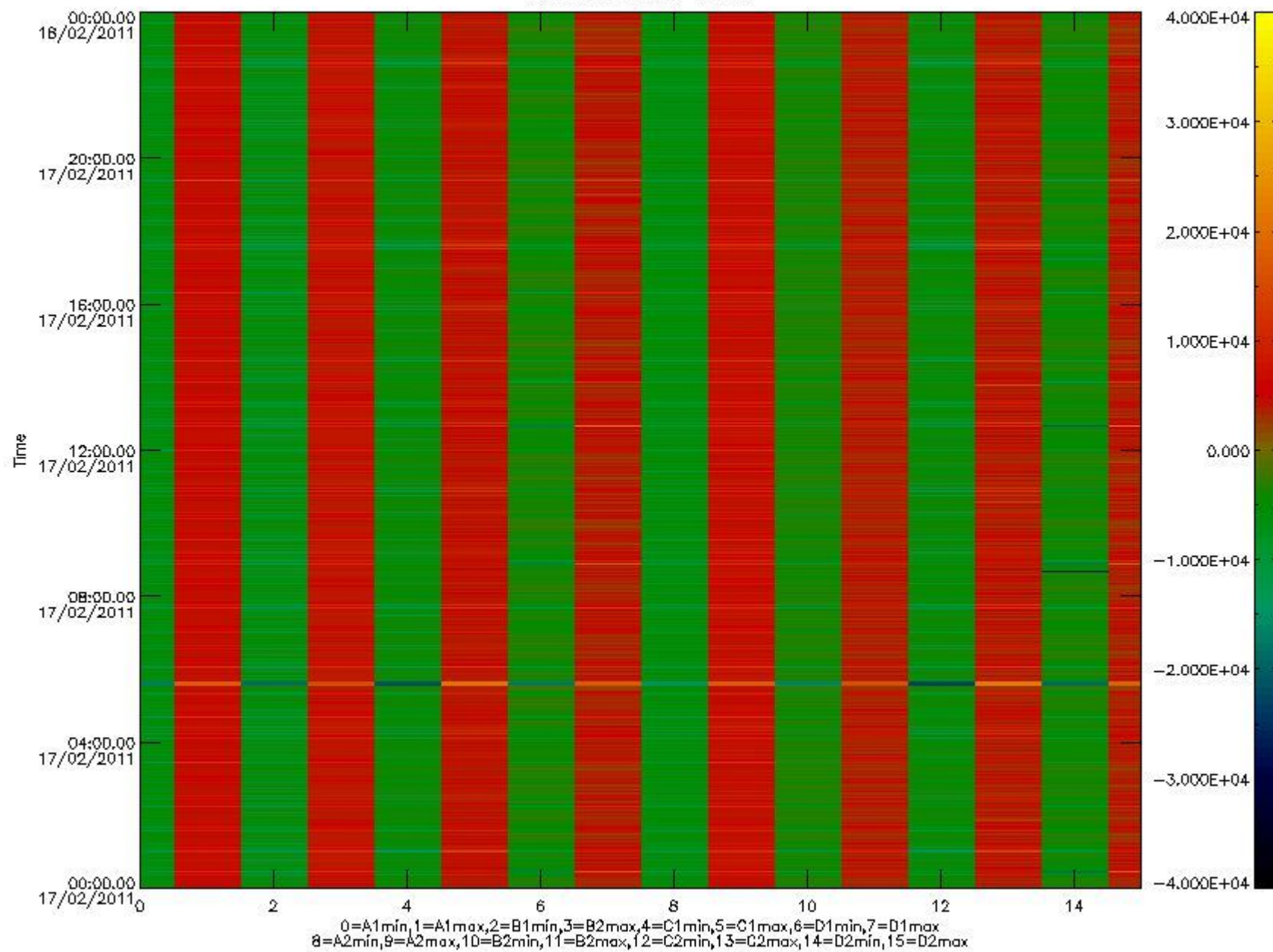


mipas_daily_report_level0_KSPT_L0_4504_N_20110217_10.PNG

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

Channel	Min	Max	ADC
A1	-17418	18412	16bit
B1	-18790	16352	16bit
C1	-25286	21746	16bit
D1	-27070	32767	16bit
A2	-15130	18544	16bit
B2	-16797	16542	16bit
C2	-22797	22388	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_20110217_11.PNG

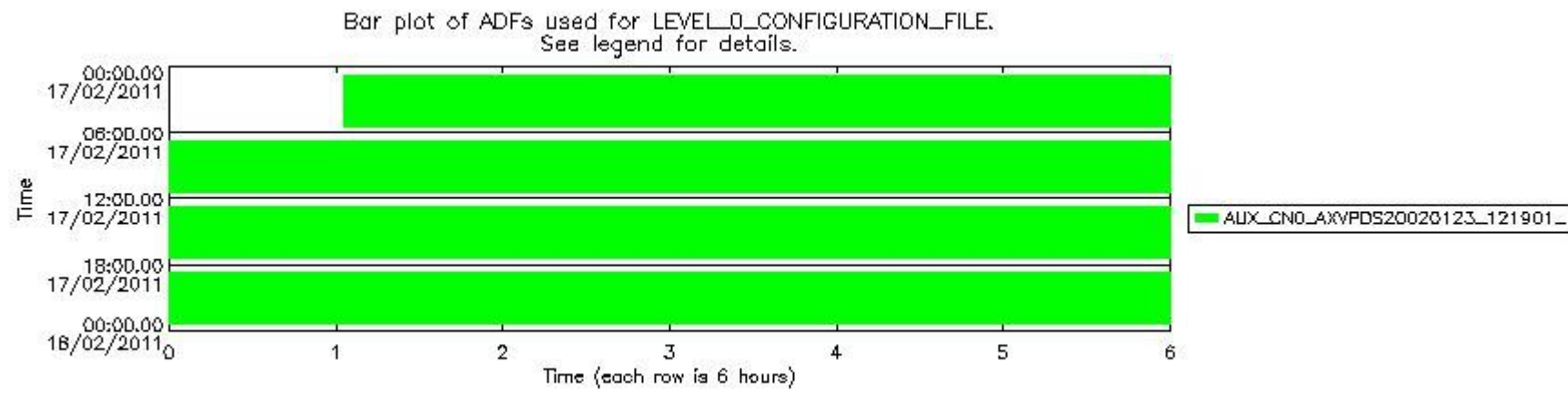
0.3 ADF monitoring

The use of ADFs is shown in two ways:

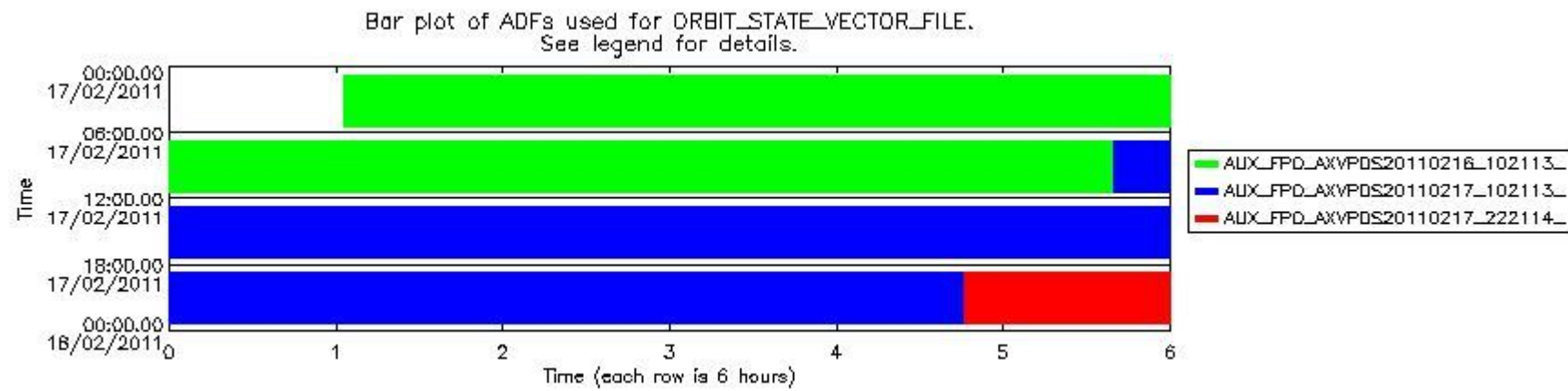
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110216_102113_20110215_190959_20110225_212349
2	AUX_FPO_AXVPDS20110217_102113_20110217_093521_20110227_114912
3	AUX_FPO_AXVPDS20110217_222114_20110217_193645_20110227_201022

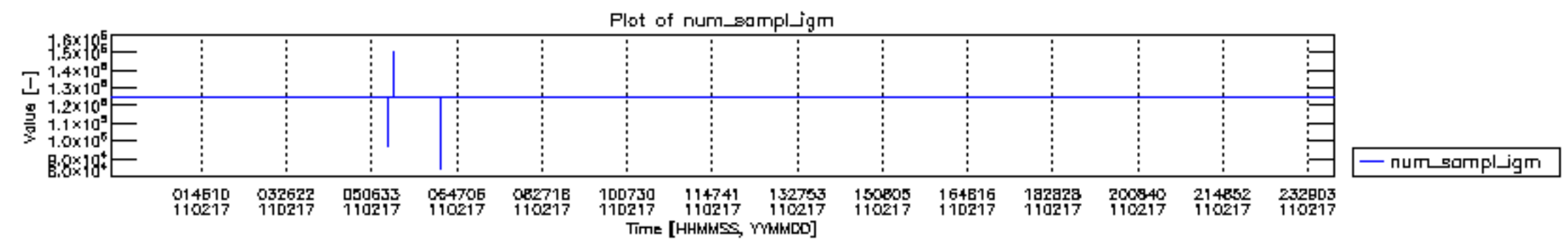
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110217_010251_000102513099_00318_46884_2935.N1	0	1
1	MIP_NL__0PNPDE20110217_035310_000062023099_00320_46886_2936.N1	0	1
2	MIP_NL__0PNPDE20110217_053559_000060243099_00321_46887_2937.N1	0	1
3	MIP_NL__0PNPDK20110217_071549_000040863099_00322_46888_4324.N1	0	1
4	MIP_NL__0PNPDK20110217_082256_000060353099_00323_46889_4325.N1	0	1
5	MIP_NL__0PNPDK20110217_100153_000059753099_00324_46890_4326.N1	0	1
6	MIP_NL__0PNPDK20110217_113948_000061213099_00325_46891_4327.N1	0	2
7	MIP_NL__0PNPDK20110217_132010_000059723099_00326_46892_4328.N1	0	2
8	MIP_NL__0PNPDK20110217_145802_000058833099_00327_46893_4329.N1	0	2
9	MIP_NL__0PNPDK20110217_163531_000059983099_00328_46894_4330.N1	0	2
10	MIP_NL__0PNPDK20110217_181453_000058723099_00329_46895_4331.N1	0	2
11	MIP_NL__0PNPDE20110217_195103_000041913099_00330_46896_2938.N1	0	2
12	MIP_NL__0PNPDE20110217_205959_000064323099_00330_46896_2939.N1	0	2
13	MIP_NL__0PNPDE20110217_224607_000060503099_00331_46897_2940.N1	0	3

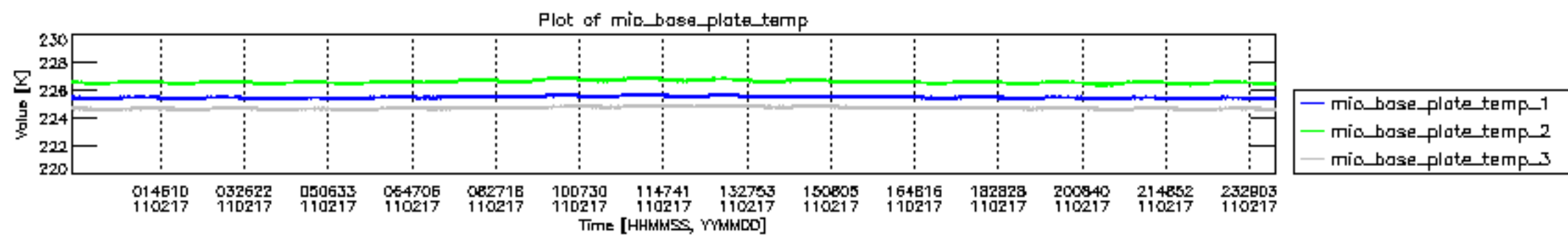


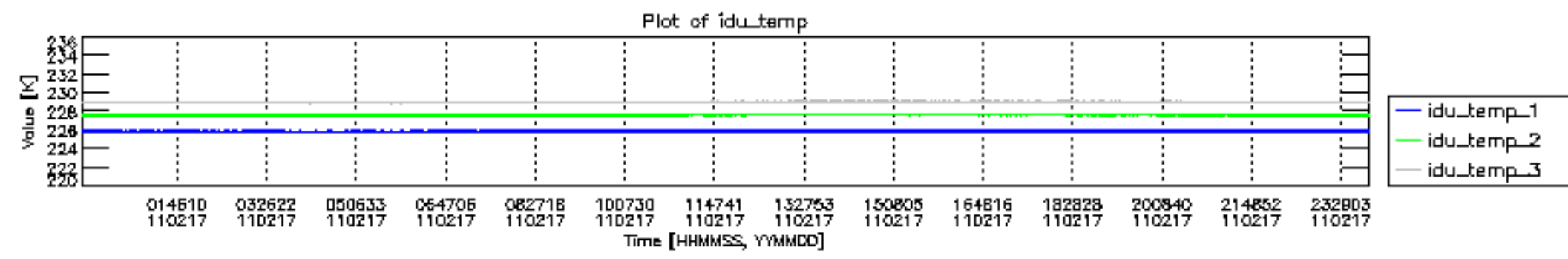
mipas_daily_report_level0_KSPT_L0_4504_N_20110217_12.PNG

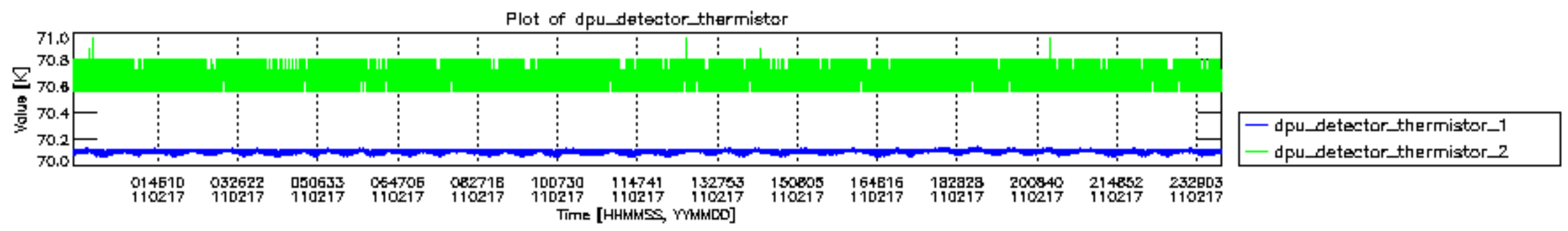


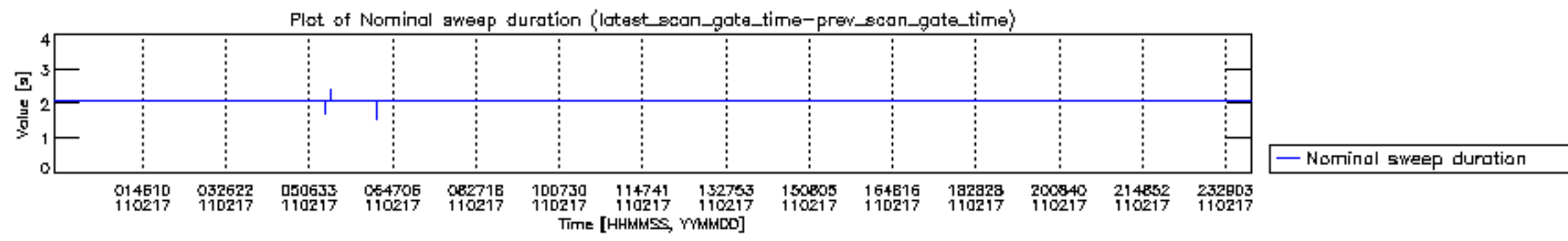
mipas_daily_report_level0_KSPT_L0_4504_N_20110217_13.PNG

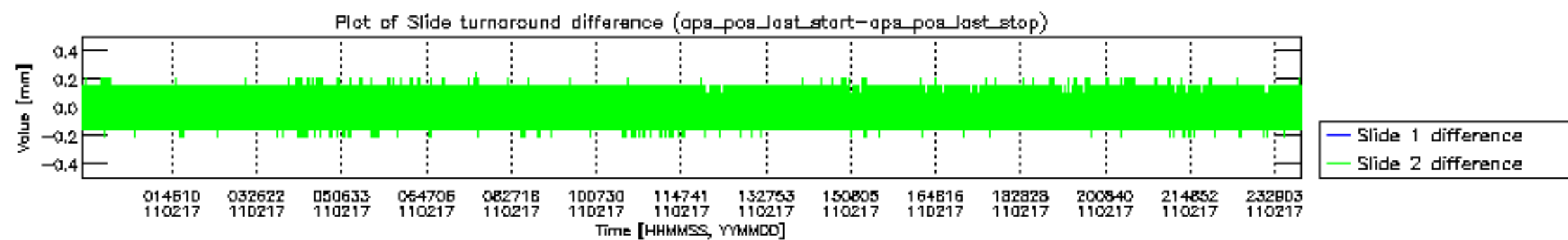


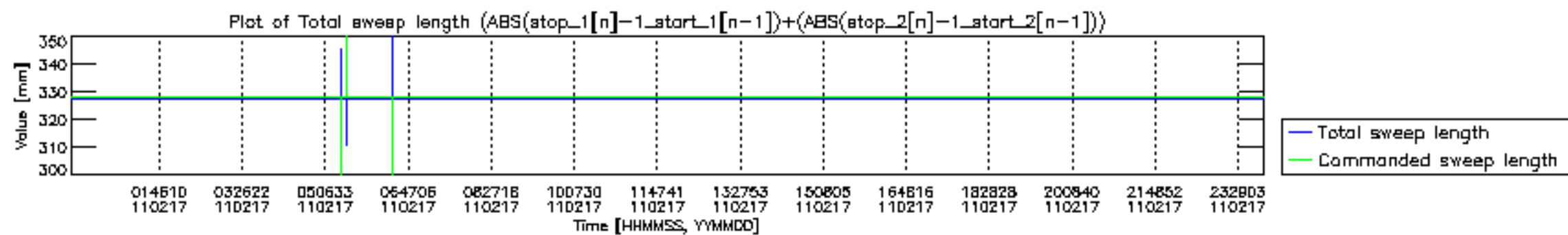


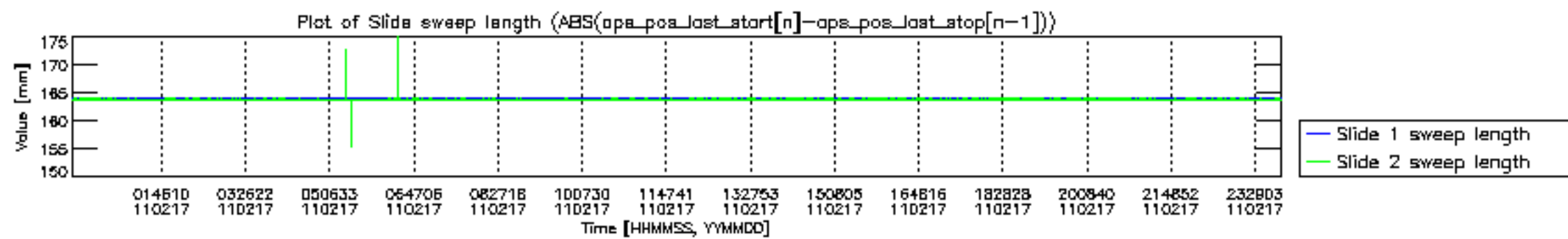


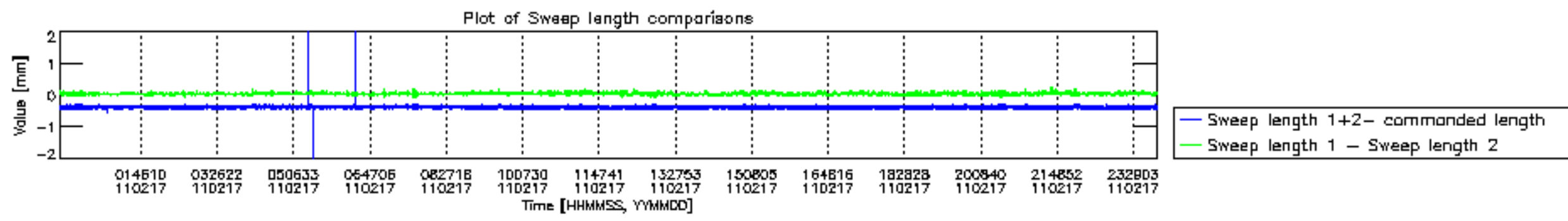


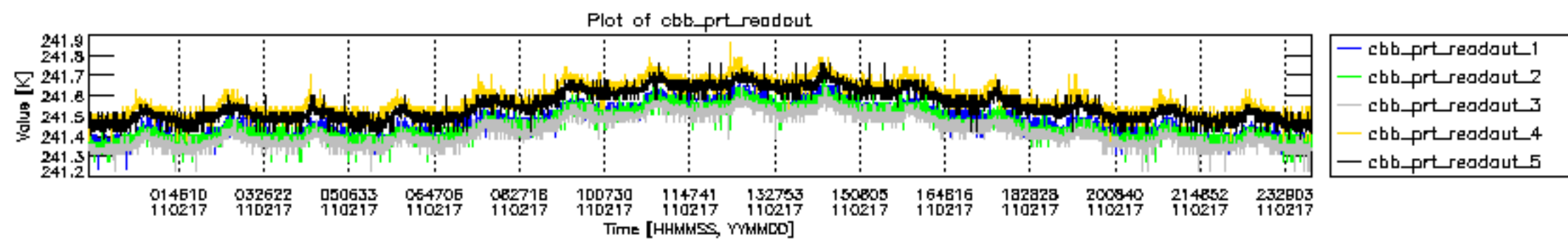


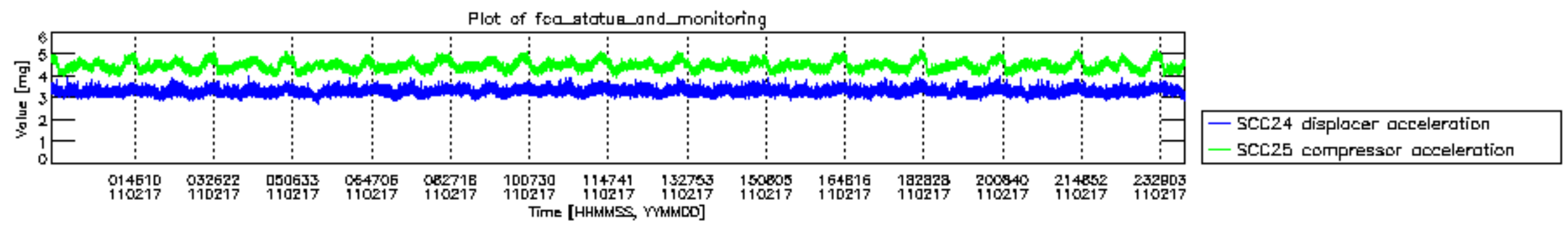












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



