

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	04MAR2011 05:23:13
Data source version	KSPT_L0/4504-N
Processing scope for products	27FEB2011 00:00:00 to 28FEB2011 00:00:00
Start time of first product within scope	27FEB2011 01:35:13
Stop time of last product within scope	28FEB2011 01:00:30
Total number of level 0 products	15
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__0PNPDE20110227_013513_000043683100_00031_47028_2997.N1	27FEB2011 01:35:13	27FEB2011 02:48:01	0	0	0	0	0
1	MIP_NL__0PNPDE20110227_024730_000061463100_00032_47029_2998.N1	27FEB2011 02:47:30	27FEB2011 04:29:56	0	0	0	0	0
2	MIP_NL__0PNPDE20110227_042922_000060033100_00033_47030_2999.N1	27FEB2011 04:29:22	27FEB2011 06:09:25	0	0	0	0	0
3	MIP_NL__0PNPDK20110227_060852_000041373100_00034_47031_4418.N1	27FEB2011 06:08:52	27FEB2011 07:17:49	0	0	0	0	0
4	MIP_NL__0PNPDK20110227_071655_000061443100_00035_47032_4419.N1	27FEB2011 07:16:55	27FEB2011 08:59:19	0	0	0	0	0
5	MIP_NL__0PNPDK20110227_085845_000060003100_00036_47033_4420.N1	27FEB2011 08:58:45	27FEB2011 10:38:45	0	0	0	0	0
6	MIP_NL__0PNPDK20110227_103728_000059663100_00037_47034_4421.N1	27FEB2011 10:37:28	27FEB2011 12:16:54	0	0	0	0	0
7	MIP_NL__0PNPDK20110227_121522_000060063100_00038_47035_4422.N1	27FEB2011 12:15:22	27FEB2011 13:55:28	0	0	0	0	0
8	MIP_NL__0PNPDK20110227_135411_000059043100_00039_47036_4423.N1	27FEB2011 13:54:11	27FEB2011 15:32:34	0	0	0	0	0
9	MIP_NL__0PNPDK20110227_153136_000059063100_00040_47037_4424.N1	27FEB2011 15:31:36	27FEB2011 17:10:01	0	0	0	0	0
10	MIP_NL__0PNPDK20110227_170836_000060003100_00041_47038_4425.N1	27FEB2011 17:08:36	27FEB2011 18:48:35	0	0	0	0	0
11	MIP_NL__0PNPDK20110227_184741_000059983100_00042_47039_4426.N1	27FEB2011 18:47:41	27FEB2011 20:27:39	0	0	0	0	0
12	MIP_NL__0PNPDE20110227_202642_000043813100_00043_47040_3000.N1	27FEB2011 20:26:42	27FEB2011 21:39:43	0	0	0	0	0
13	MIP_NL__0PNPDE20110227_213840_000061403100_00043_47040_3001.N1	27FEB2011 21:38:40	27FEB2011 23:21:00	0	0	0	0	0
14	MIP_NL__0PNPDE20110227_232001_000060293100_00044_47041_3002.N1	27FEB2011 23:20:01	28FEB2011 01:00:30	0	0	0	0	0

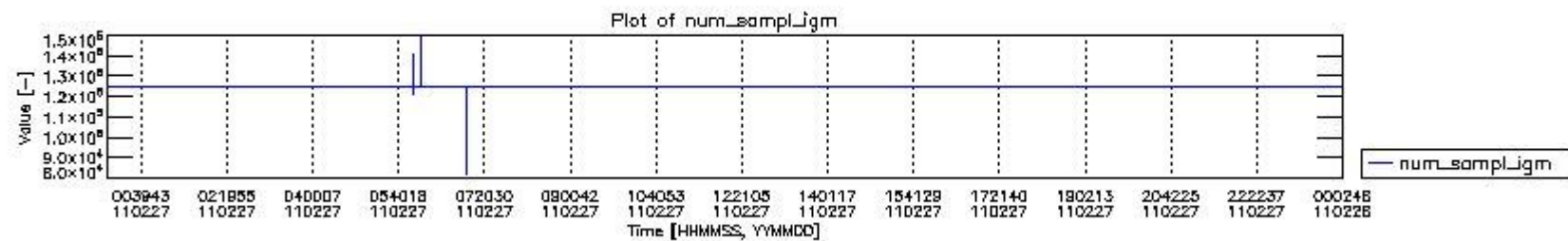
0.2 Instrument Operational Performance Parameters

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.

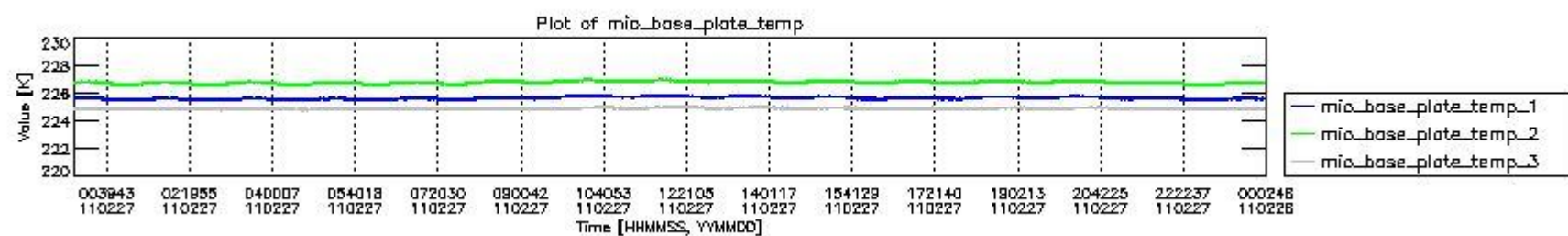
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
81404	1	0.0024027487
93036	1	0.0024027487
113168	1	0.0024027487

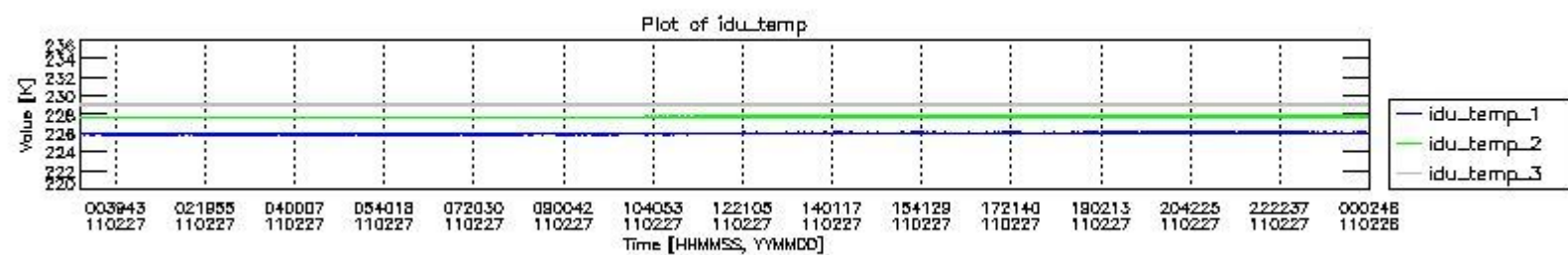
120840	1	0.0024027487
124800	38656	92.880655
124803	2954	7.0977198
127233	1	0.0024027487
137012	1	0.0024027487
140972	1	0.0024027487
147365	1	0.0024027487
149798	1	0.0024027487



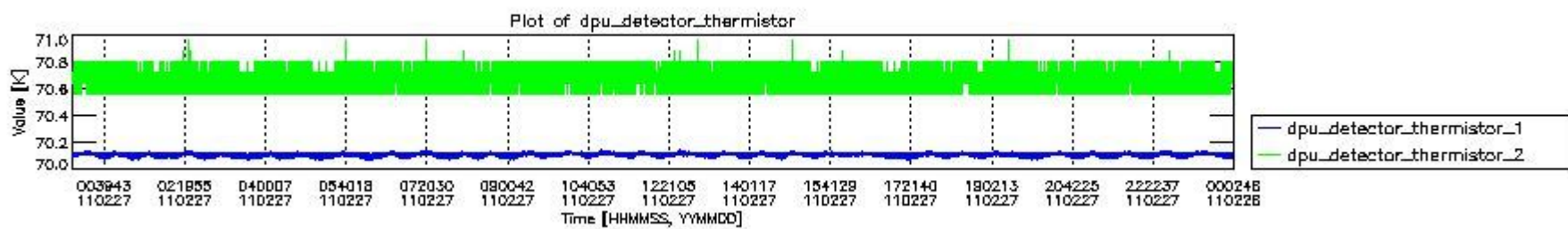
mipas_daily_report_level0_KSPT_L0_4504_N_20110227_0.PNG



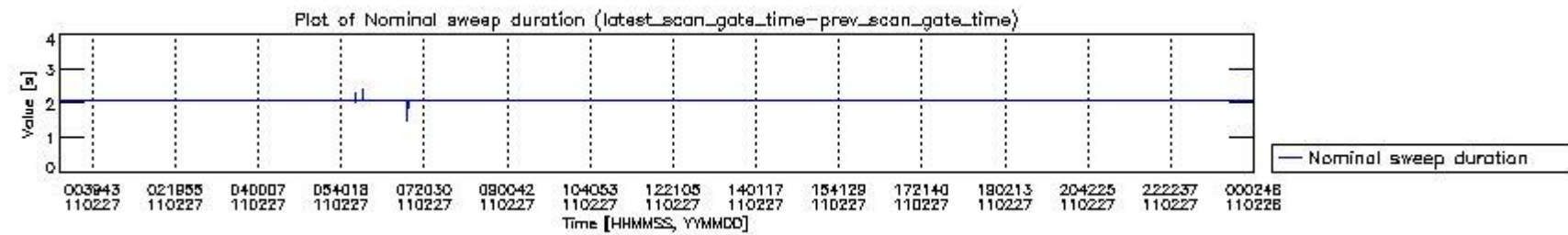
mipas_daily_report_level0_KSPT_L0_4504_N_20110227_1.PNG



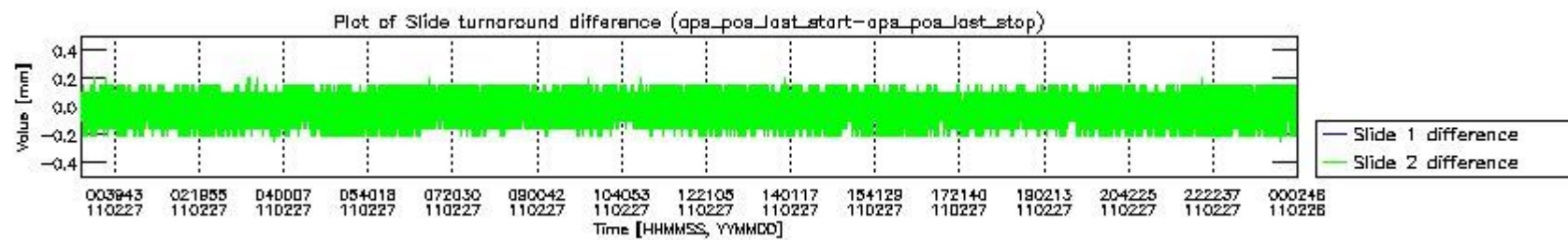
mipas_daily_report_level0_KSPT_L0_4504_N_20110227_2.PNG



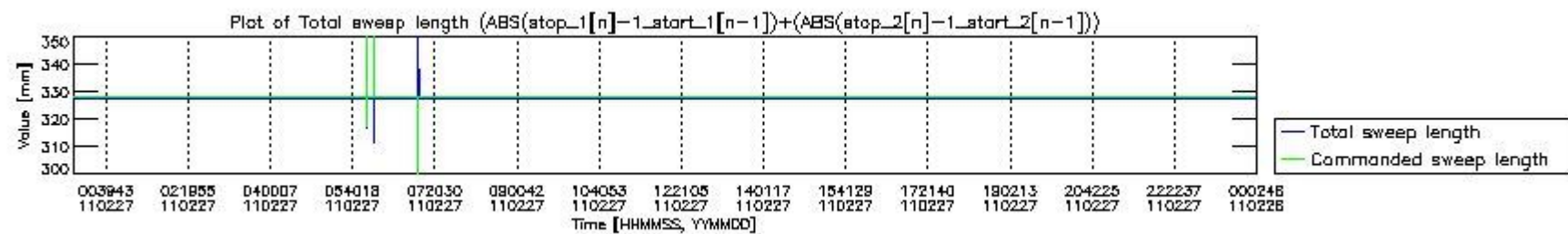
mipas_daily_report_level0_KSPT_L0_4504_N_20110227_3.PNG



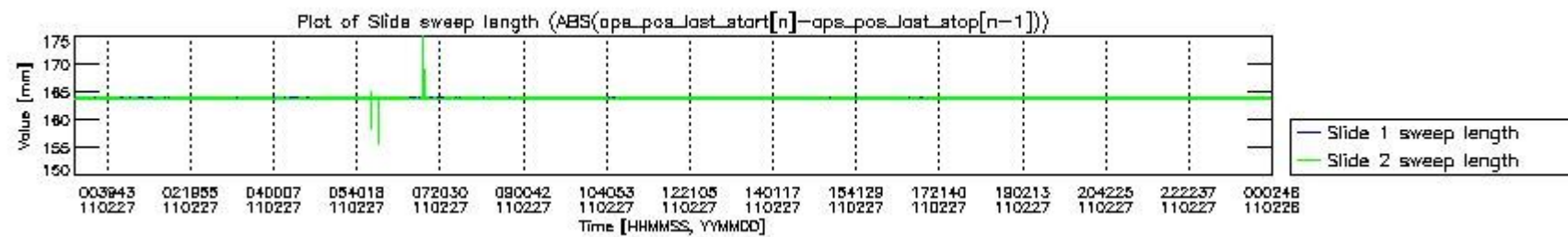
mipas_daily_report_level0_KSPT_L0_4504_N_20110227_4.PNG



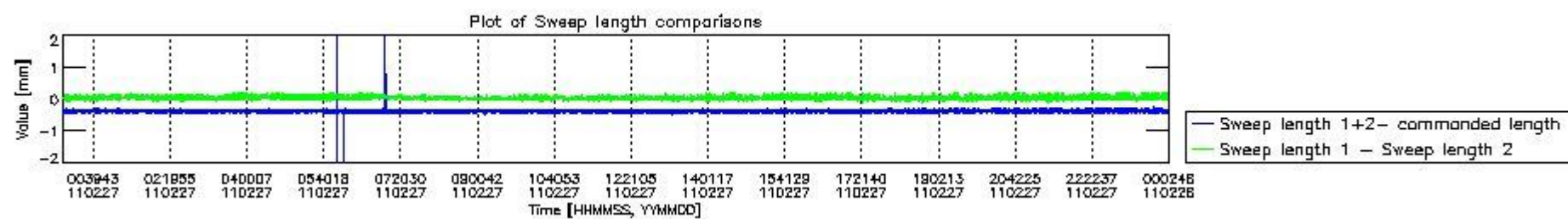
mipas_daily_report_level0_KSPT_L0_4504_N_20110227_5.PNG



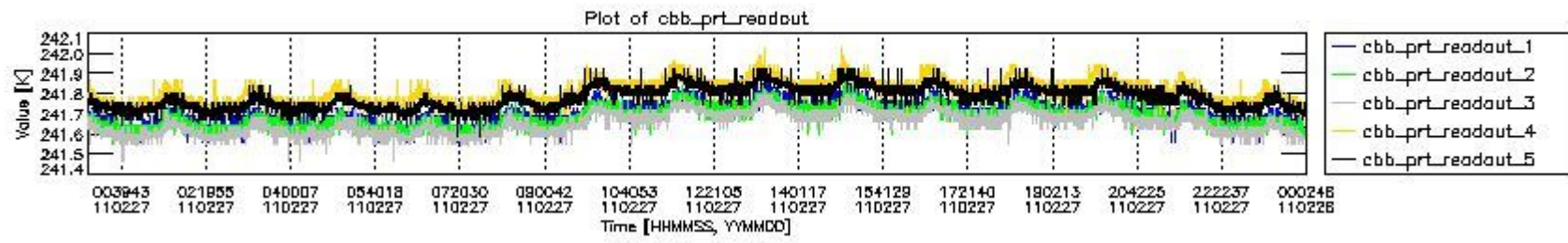
mipas_daily_report_level0_KSPT_L0_4504_N_20110227_6.PNG



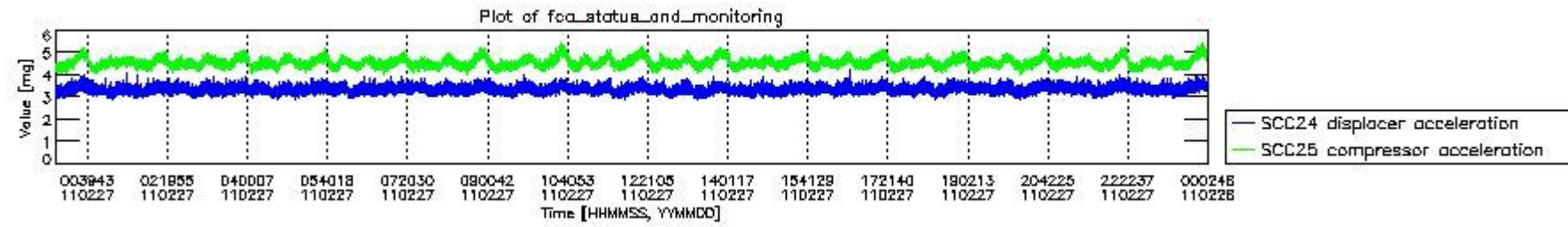
mipas_daily_report_level0_KSPT_L0_4504_N_20110227_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110227_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110227_9.PNG

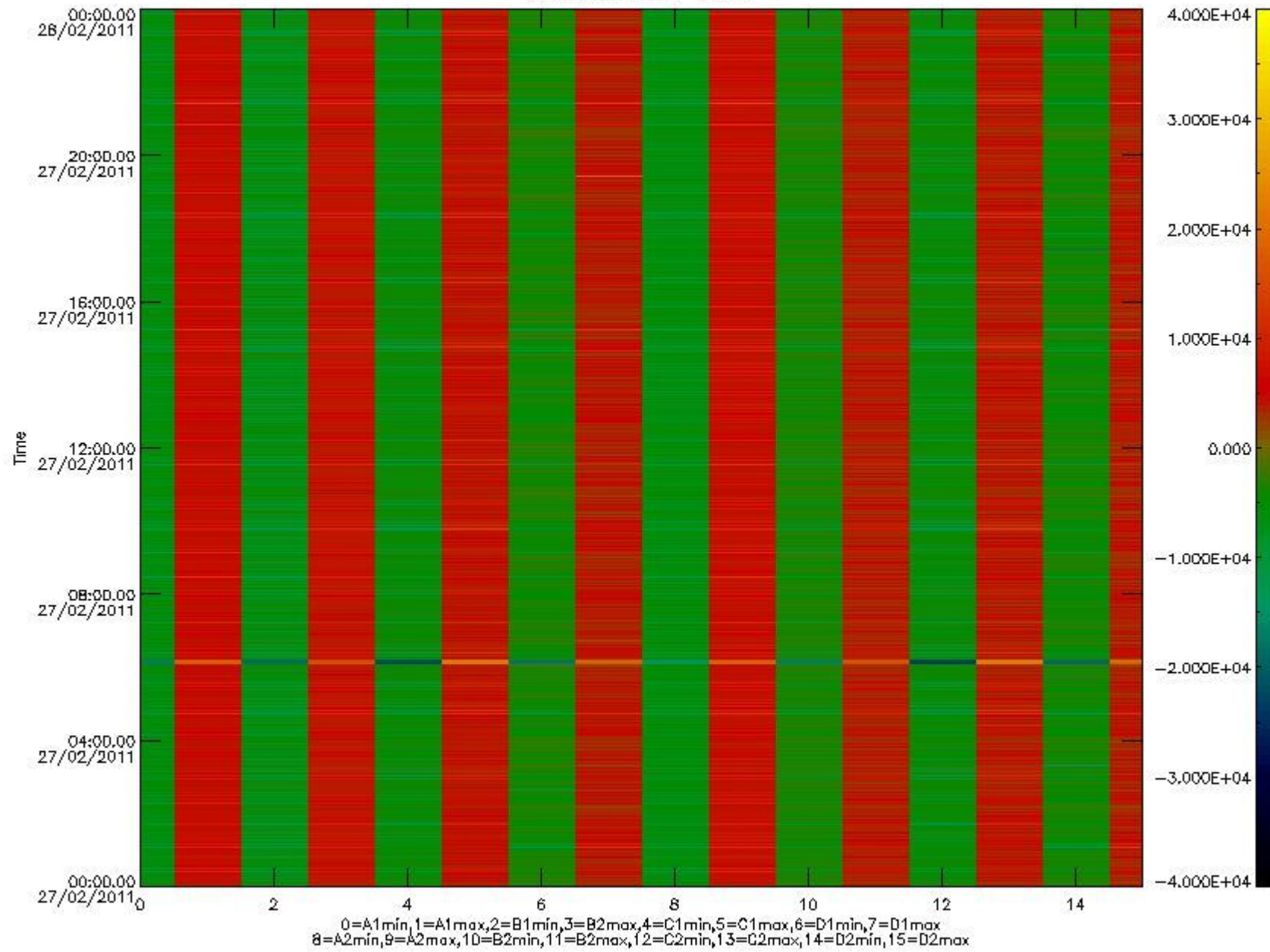


mipas_daily_report_level0_KSPT_L0_4504_N_20110227_10.PNG

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

Channel	Min	Max	ADC
A1	-17463	18454	16bit
B1	-18902	16461	16bit
C1	-22129	21954	16bit
D1	-28959	32767	16bit
A2	-15158	18595	16bit
B2	-17022	16746	16bit
C2	-23060	24417	16bit
D2	-32768	32139	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110227_11.PNG

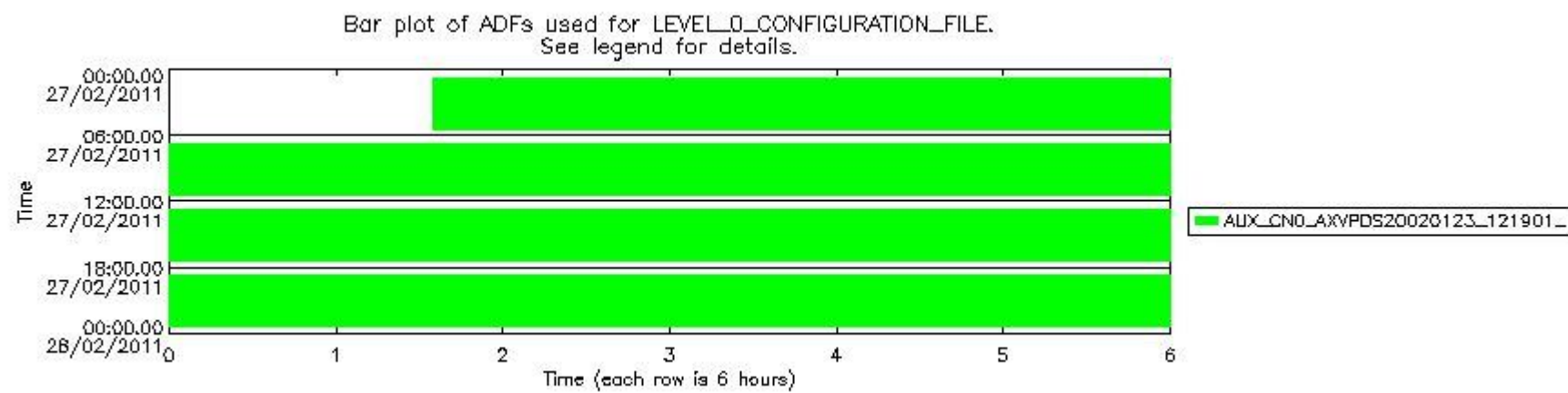
0.3 ADF monitoring

The use of ADFs is shown in two ways:

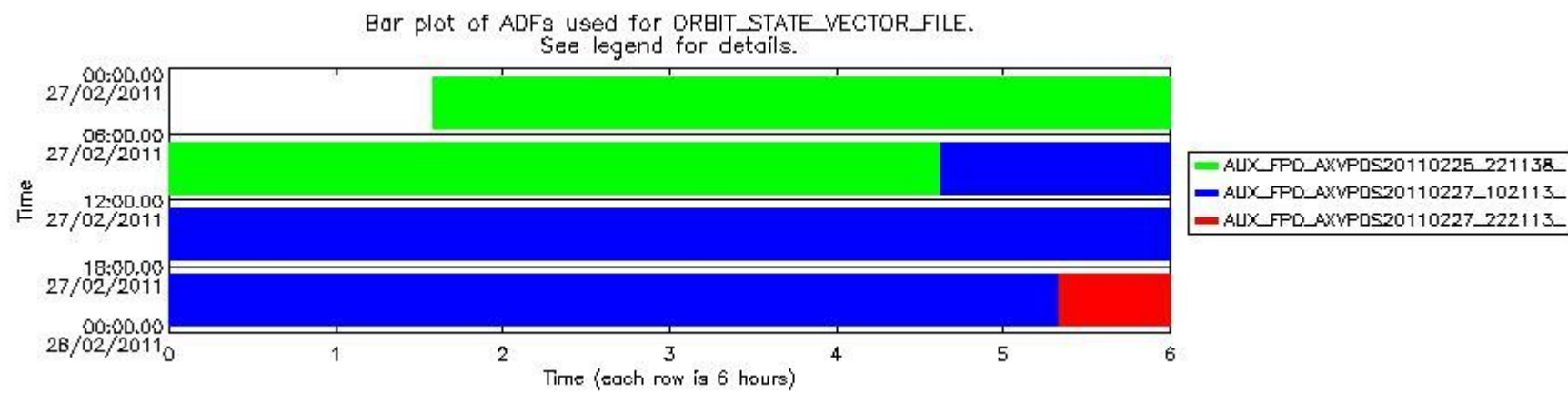
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110225_221138_20110225_194336_20110307_201712
2	AUX_FPO_AXVPDS20110227_102113_20110226_190652_20110308_212042
3	AUX_FPO_AXVPDS20110227_222113_20110227_183008_20110309_204358

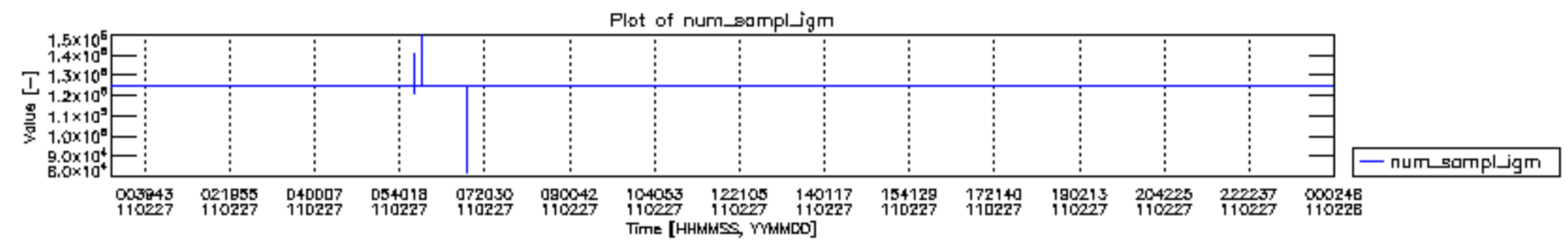
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110227_013513_000043683100_00031_47028_2997.N1	0	1
1	MIP_NL__0PNPDE20110227_024730_000061463100_00032_47029_2998.N1	0	1
2	MIP_NL__0PNPDE20110227_042922_000060033100_00033_47030_2999.N1	0	1
3	MIP_NL__0PNPDK20110227_060852_000041373100_00034_47031_4418.N1	0	1
4	MIP_NL__0PNPDK20110227_071655_000061443100_00035_47032_4419.N1	0	1
5	MIP_NL__0PNPDK20110227_085845_000060003100_00036_47033_4420.N1	0	1
6	MIP_NL__0PNPDK20110227_103728_000059663100_00037_47034_4421.N1	0	2
7	MIP_NL__0PNPDK20110227_121522_000060063100_00038_47035_4422.N1	0	2
8	MIP_NL__0PNPDK20110227_135411_000059043100_00039_47036_4423.N1	0	2
9	MIP_NL__0PNPDK20110227_153136_000059063100_00040_47037_4424.N1	0	2
10	MIP_NL__0PNPDK20110227_170836_000060003100_00041_47038_4425.N1	0	2
11	MIP_NL__0PNPDK20110227_184741_000059983100_00042_47039_4426.N1	0	2
12	MIP_NL__0PNPDE20110227_202642_000043813100_00043_47040_3000.N1	0	2
13	MIP_NL__0PNPDE20110227_213840_000061403100_00043_47040_3001.N1	0	2
14	MIP_NL__0PNPDE20110227_232001_000060293100_00044_47041_3002.N1	0	3

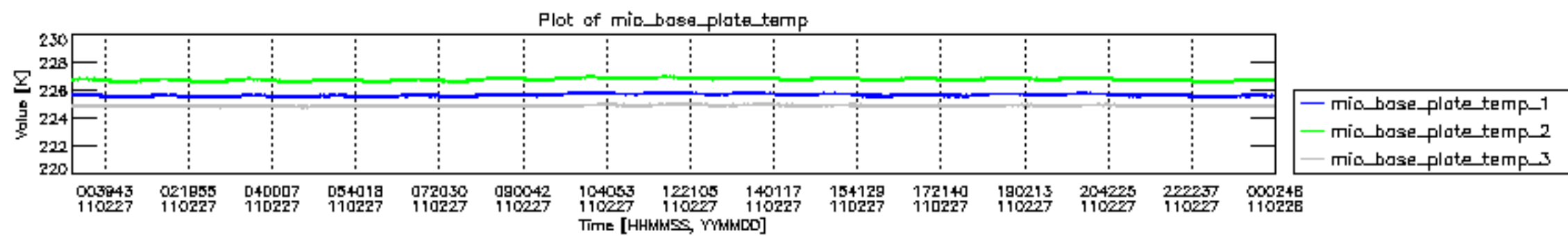


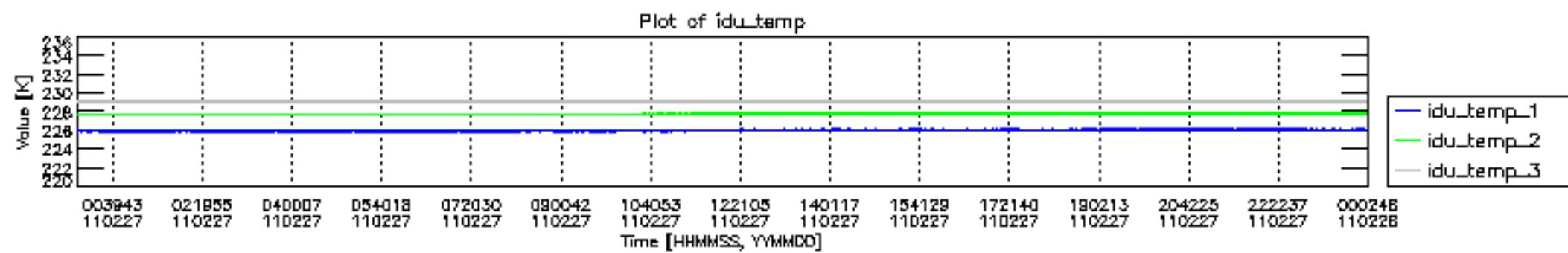
mipas_daily_report_level0_KSPT_L0_4504_N_20110227_12.PNG

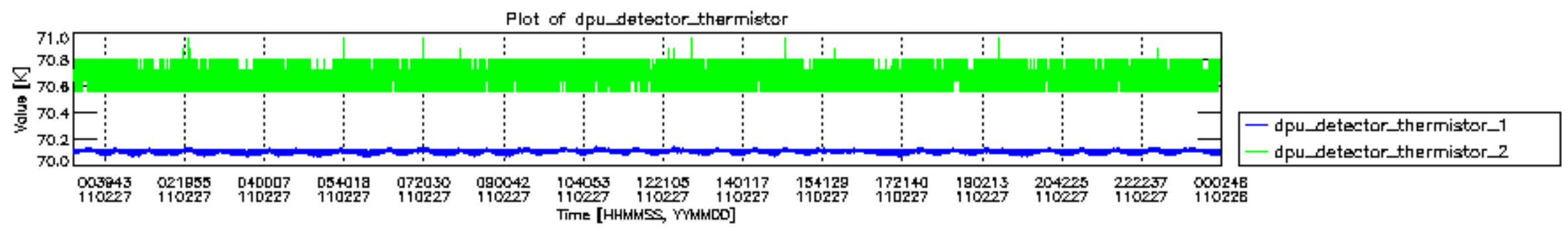


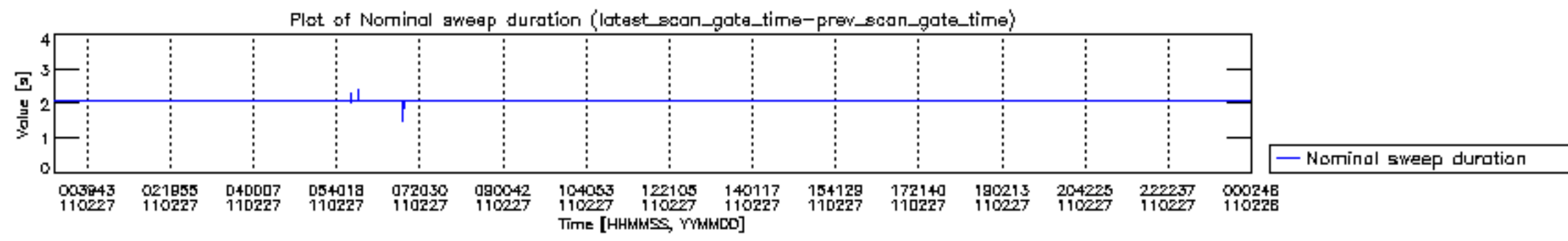
mipas_daily_report_level0_KSPT_L0_4504_N_20110227_13.PNG

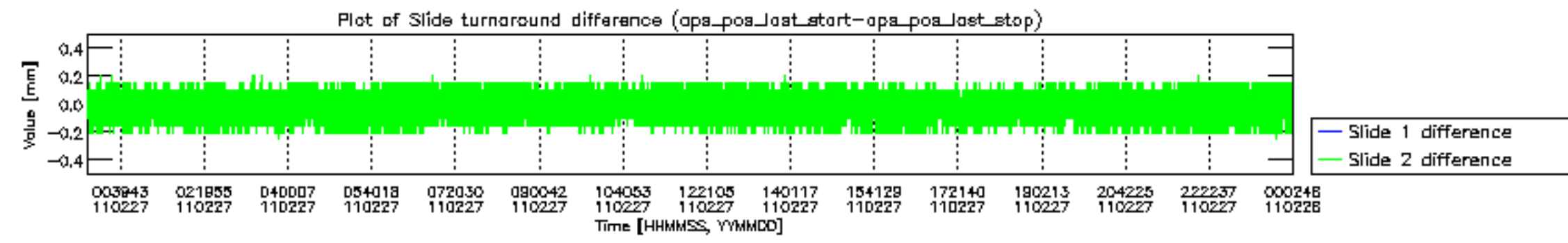


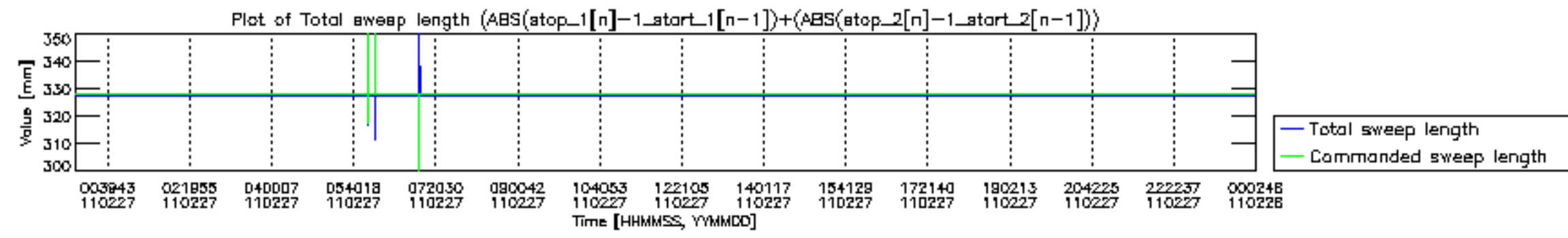


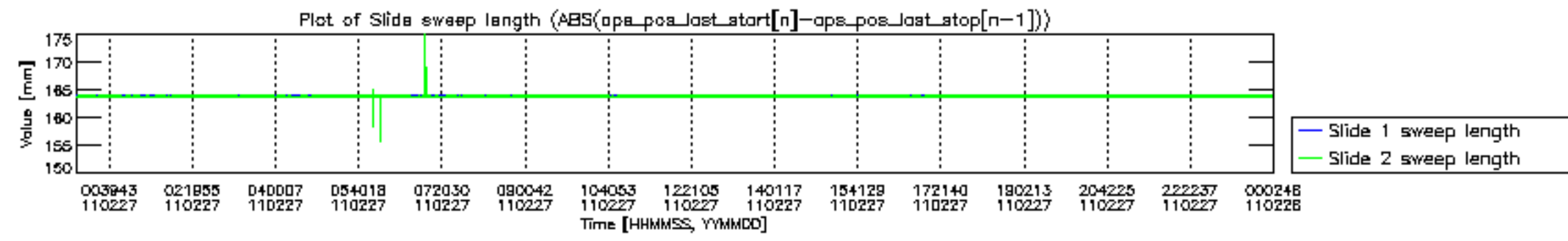


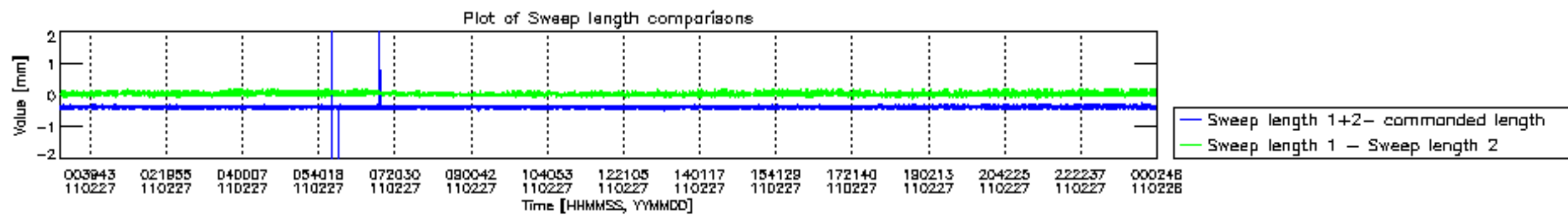


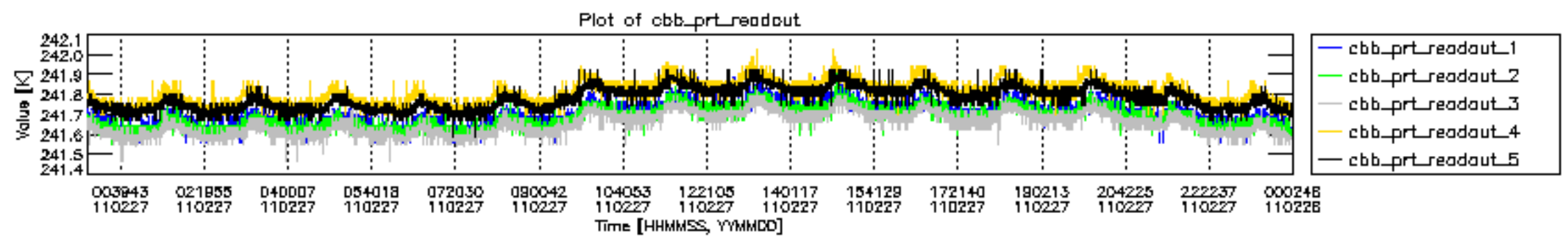


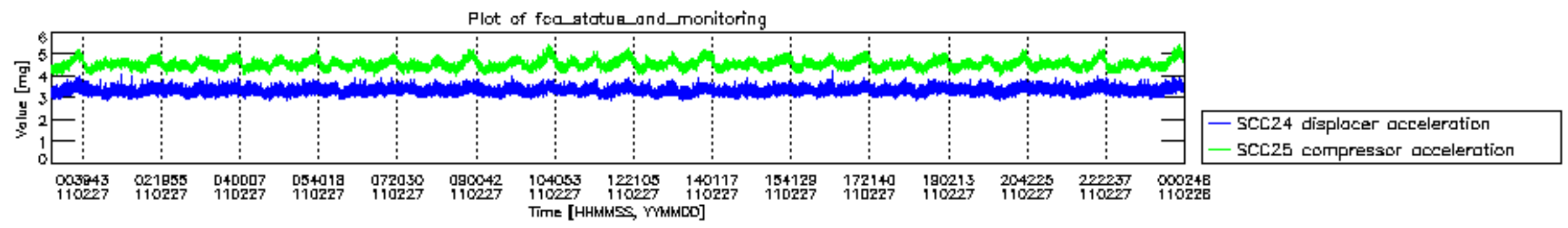












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

