

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	02APR2011 05:24:28
Data source version	KSPT_L0/4504-N
Processing scope for products	28MAR2011 00:00:00 to 29MAR2011 00:00:00
Start time of first product within scope	28MAR2011 00:33:42
Stop time of last product within scope	29MAR2011 01:36:34
Total number of level 0 products	15
Number of level 0 products with errors	2

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__OPNPDE20110328_003342_000058853101_00016_47444_3322.N1	28MAR2011 00:33:42	28MAR2011 02:11:47	0	0	0	0	0
1	MIP_NL__OPNPDE20110328_021048_000044643101_00017_47445_3323.N1	28MAR2011 02:10:48	28MAR2011 03:25:13	0	0	0	0	0
2	MIP_NL__OPNPDE20110328_032439_000061213101_00018_47446_3324.N1	28MAR2011 03:24:39	28MAR2011 05:06:40	0	0	0	0	0
3	MIP_NL__OPNPDE20110328_050606_000060643101_00019_47447_3325.N1	28MAR2011 05:06:06	28MAR2011 06:47:11	0	0	0	0	0
4	MIP_NL__OPNPDK20110328_064637_000040823101_00020_47448_4675.N1	28MAR2011 06:46:37	28MAR2011 07:54:39	0	0	0	0	0
5	MIP_NL__OPNPDK20110328_093525_000059313101_00022_47450_4676.N1	28MAR2011 09:35:25	28MAR2011 11:14:16	0	0	0	0	0
6	MIP_NL__OPNPDK20110328_111332_000060633101_00023_47451_4677.N1	28MAR2011 11:13:32	28MAR2011 12:54:34	1	1	0	0	0
7	MIP_NL__OPNPDK20110328_125401_000058603101_00024_47452_4678.N1	28MAR2011 12:54:01	28MAR2011 14:31:40	0	0	0	0	0
8	MIP_NL__OPNPDK20110328_143048_000058783101_00025_47453_4679.N1	28MAR2011 14:30:48	28MAR2011 16:08:47	0	0	0	0	0
9	MIP_NL__OPNPDK20110328_160708_000059263101_00026_47454_4680.N1	28MAR2011 16:07:08	28MAR2011 17:45:55	0	0	0	0	0
10	MIP_NL__OPNPDK20110328_174501_000060373101_00027_47455_4681.N1	28MAR2011 17:45:01	28MAR2011 19:25:38	1	1	0	0	0
11	MIP_NL__OPNPDK20110328_192406_000060913101_00028_47456_4682.N1	28MAR2011 19:24:06	28MAR2011 21:05:37	0	0	0	0	0
12	MIP_NL__OPNPDE20110328_210441_000042913101_00029_47457_3326.N1	28MAR2011 21:04:41	28MAR2011 22:16:12	0	0	0	0	0
13	MIP_NL__OPNPDE20110328_221513_000061923101_00029_47457_3327.N1	28MAR2011 22:15:13	28MAR2011 23:58:25	0	0	0	0	0
14	MIP_NL__OPNPDE20110328_235728_000059453101_00030_47458_3328.N1	28MAR2011 23:57:28	29MAR2011 01:36:34	0	0	0	0	0

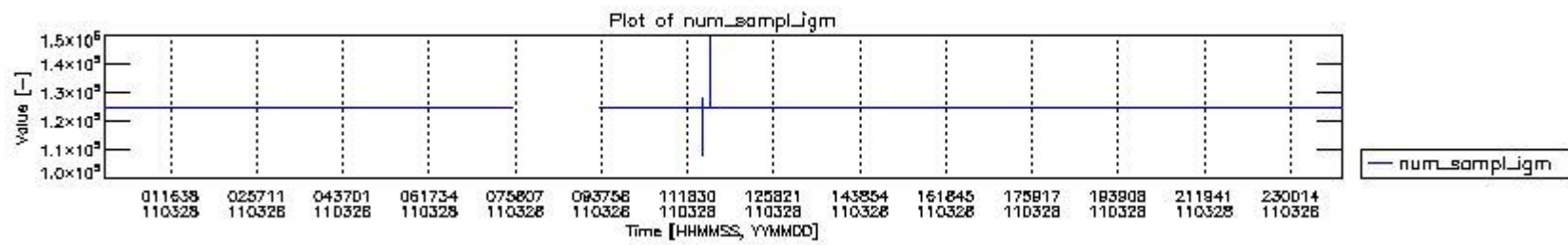
0.2 Instrument Operational Performance Parameters

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.

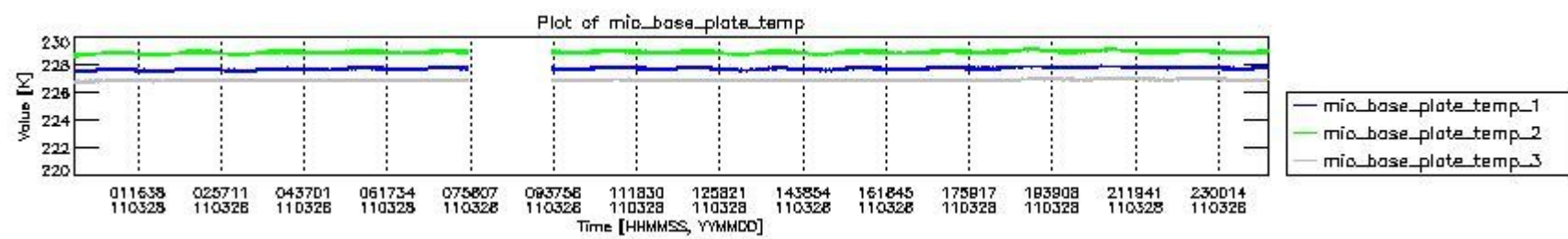
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
108053	1	0.0025893320
111438	1	0.0025893320
124800	35875	92.892284

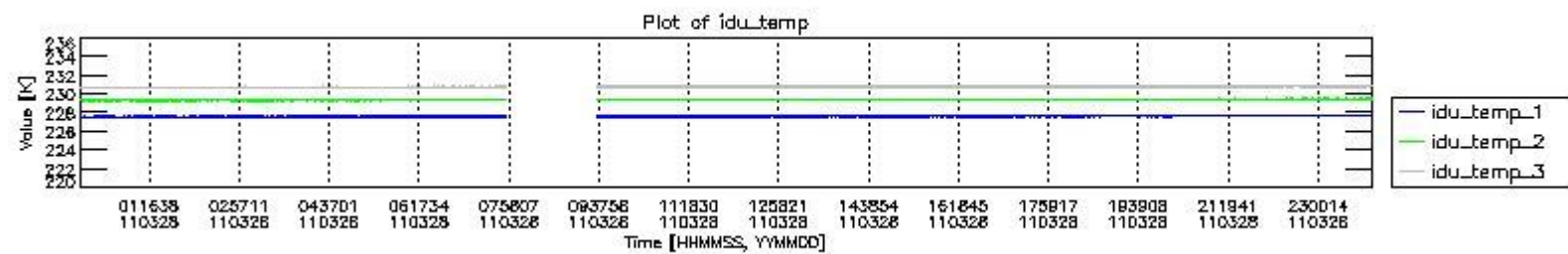
124803	2739	7.0921802
127010	1	0.0025893320
128185	1	0.0025893320
147142	1	0.0025893320
149352	1	0.0025893320



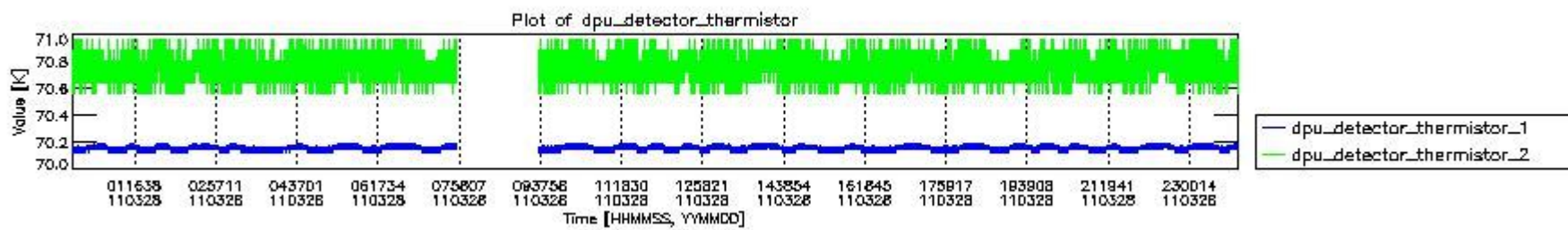
mipas_daily_report_level0_KSPT_L0_4504_N_20110328_0.PNG



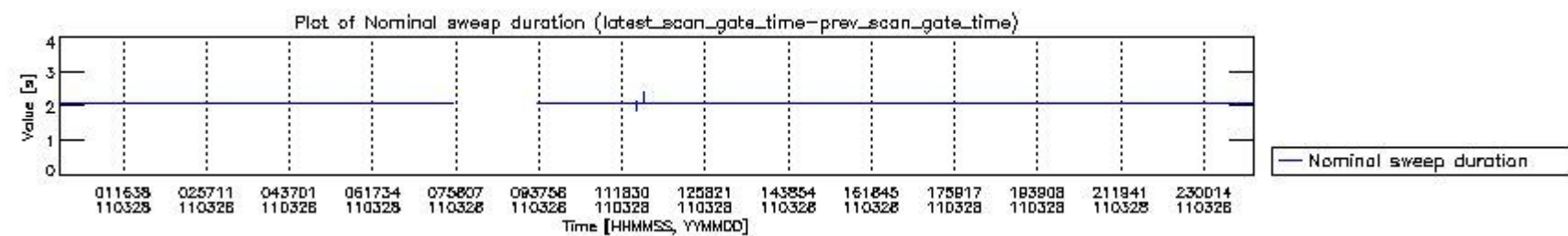
mipas_daily_report_level0_KSPT_L0_4504_N_20110328_1.PNG



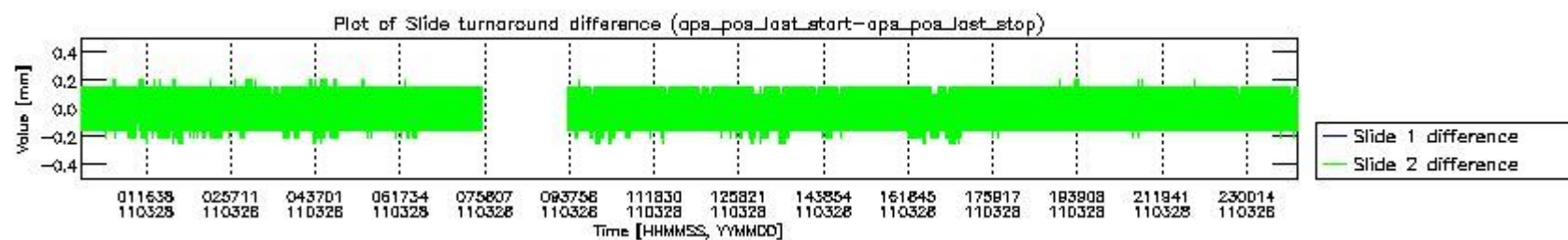
mipas_daily_report_level0_KSPT_L0_4504_N_20110328_2.PNG



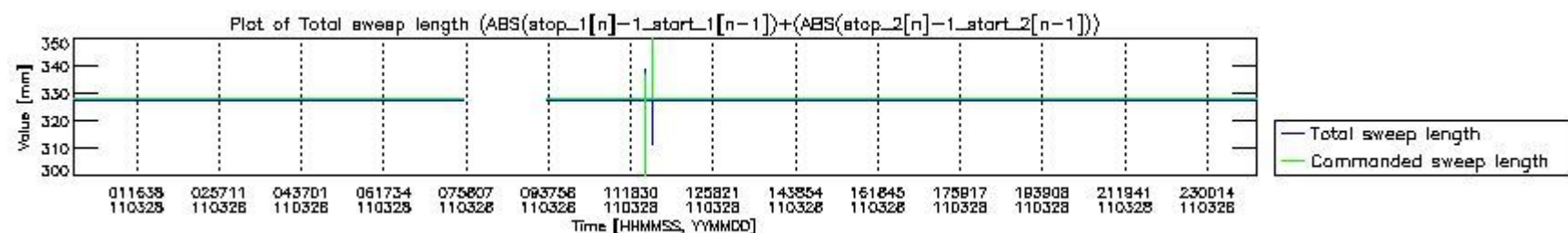
mipas_daily_report_level0_KSPT_L0_4504_N_20110328_3.PNG



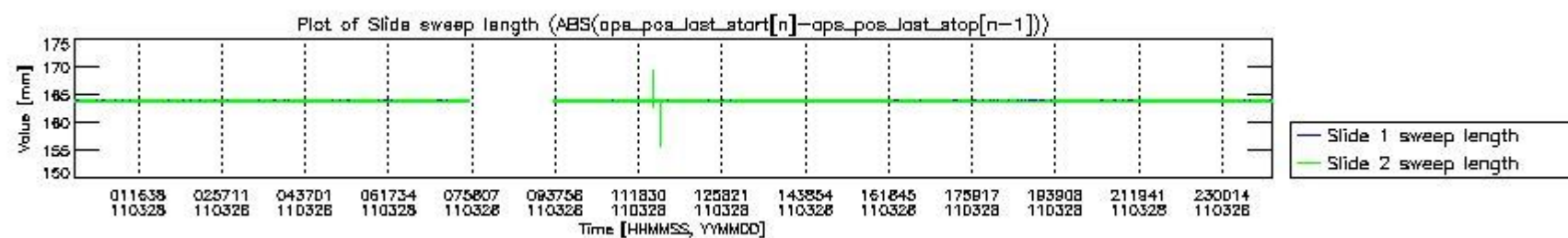
mipas_daily_report_level0_KSPT_L0_4504_N_20110328_4.PNG



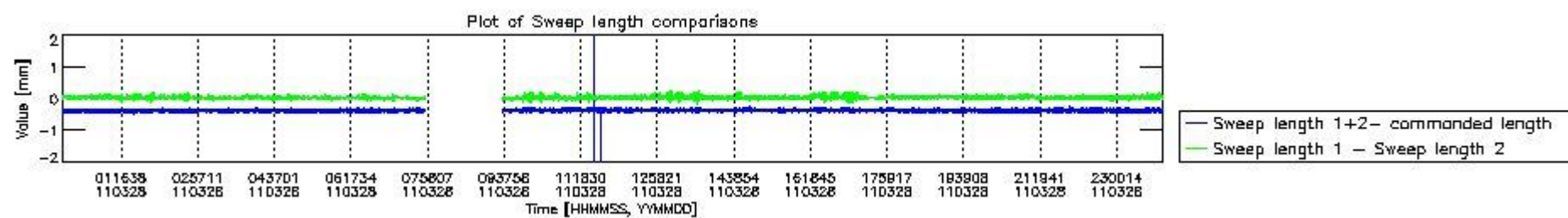
mipas_daily_report_level0_KSPT_L0_4504_N_20110328_5.PNG



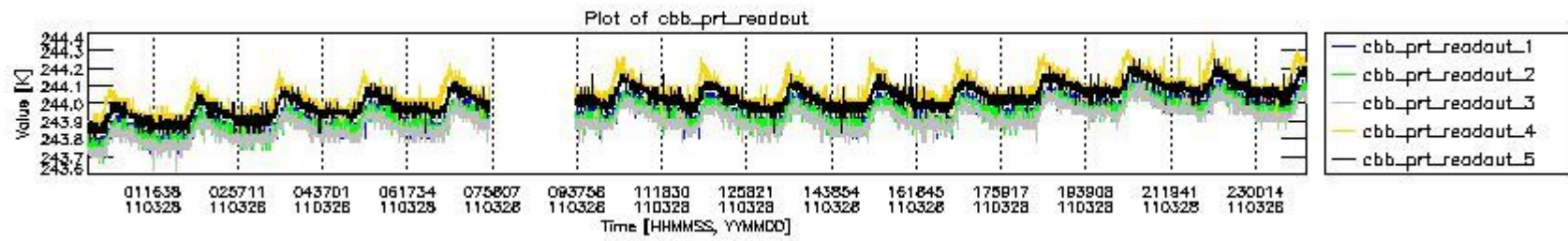
mipas_daily_report_level0_KSPT_L0_4504_N_20110328_6.PNG



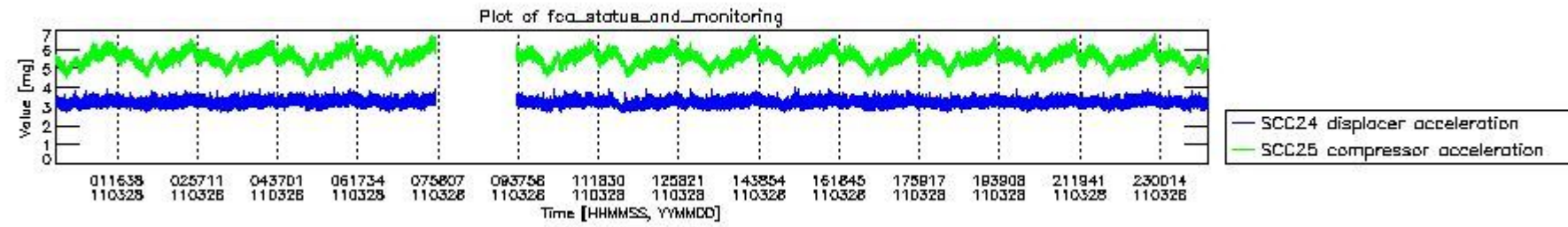
mipas_daily_report_level0_KSPT_L0_4504_N_20110328_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110328_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110328_9.PNG

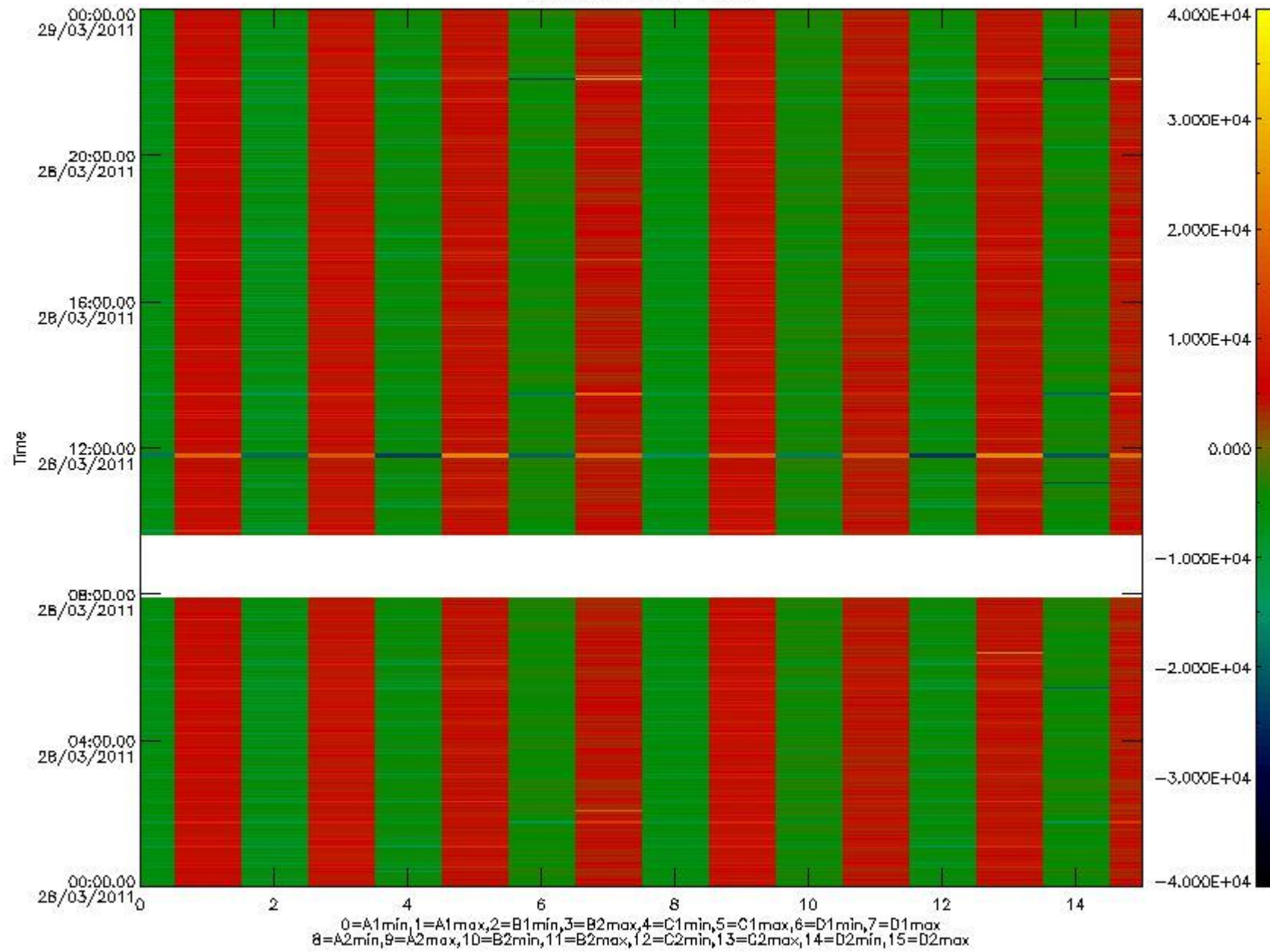


mipas_daily_report_level0_KSPT_L0_4504_N_20110328_10.PNG

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

Channel	Min	Max	ADC
A1	-17868	18911	16bit
B1	-19982	17271	16bit
C1	-24083	23980	16bit
D1	-32768	32767	16bit
A2	-15509	19103	16bit
B2	-18160	17814	16bit
C2	-25066	24655	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_20110328_11.PNG

0.3 ADF monitoring

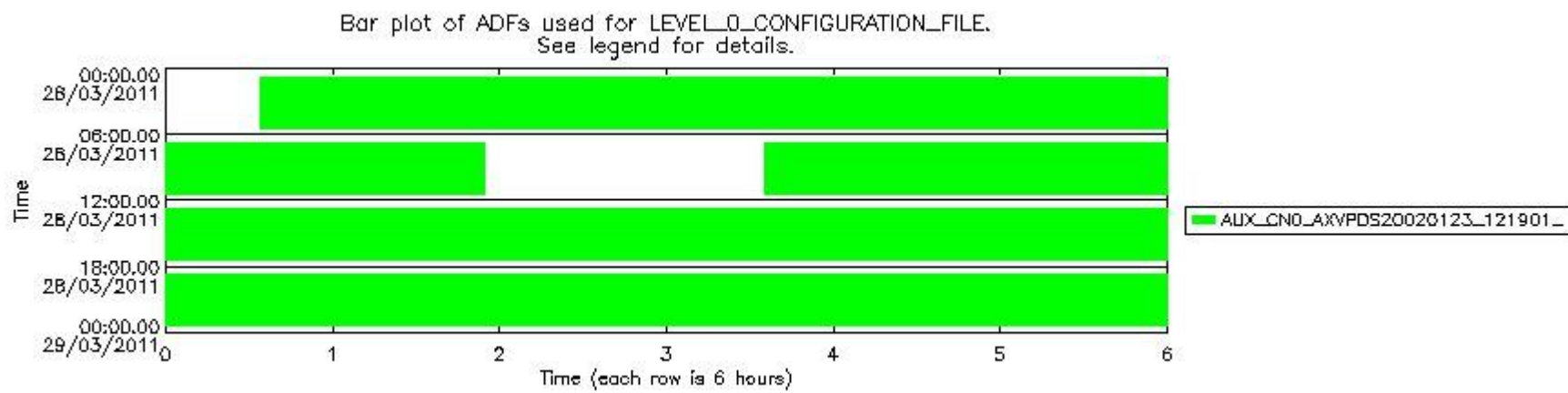
The use of ADFs is shown in two ways:

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.

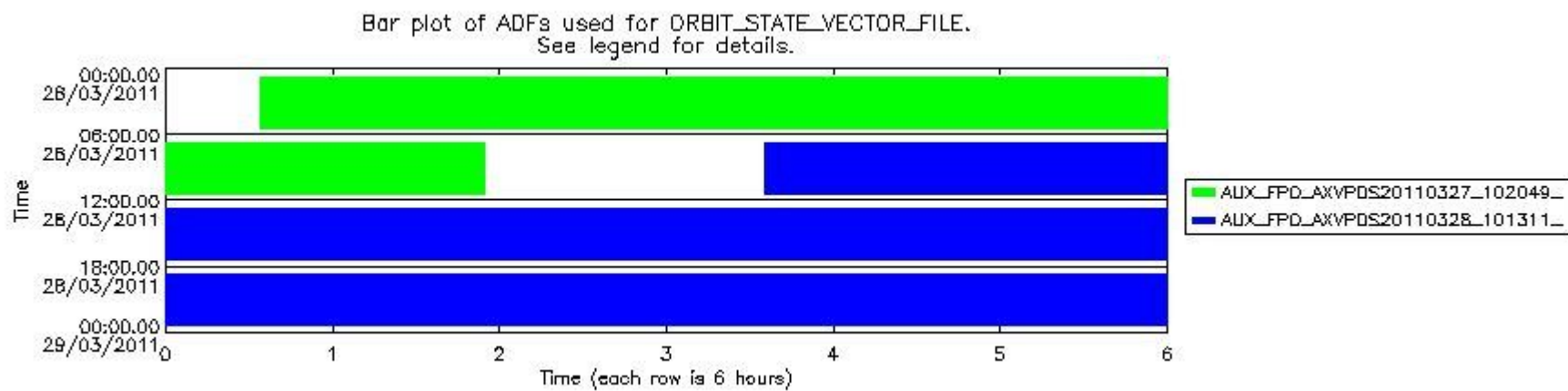
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110327_102049_20110326_184039_20110405_205428
2	AUX_FPO_AXVPDS20110328_101311_20110327_194409_20110406_201744

Number	Product name	#CNO	#FPO
--------	--------------	------	------

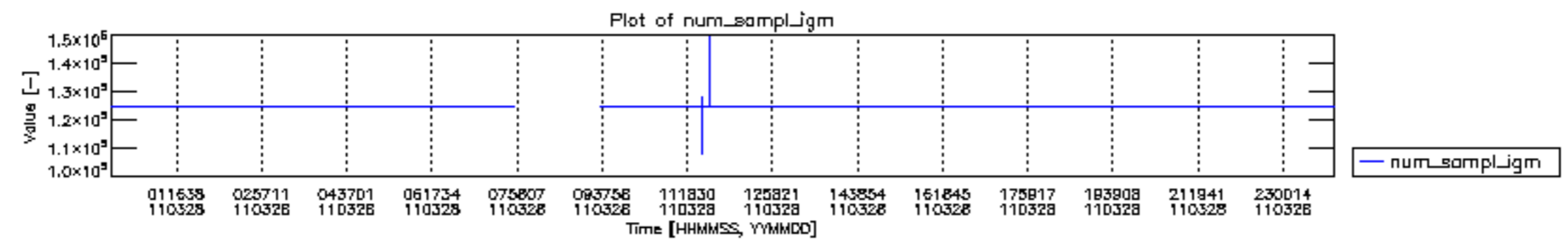
0	MIP_NL__0PNPDE20110328_003342_000058853101_00016_47444_3322.N1	0	1
1	MIP_NL__0PNPDE20110328_021048_000044643101_00017_47445_3323.N1	0	1
2	MIP_NL__0PNPDE20110328_032439_000061213101_00018_47446_3324.N1	0	1
3	MIP_NL__0PNPDE20110328_050606_000060643101_00019_47447_3325.N1	0	1
4	MIP_NL__0PNPDK20110328_064637_000040823101_00020_47448_4675.N1	0	1
5	MIP_NL__0PNPDK20110328_093525_000059313101_00022_47450_4676.N1	0	2
6	MIP_NL__0PNPDK20110328_111332_000060633101_00023_47451_4677.N1	0	2
7	MIP_NL__0PNPDK20110328_125401_000058603101_00024_47452_4678.N1	0	2
8	MIP_NL__0PNPDK20110328_143048_000058783101_00025_47453_4679.N1	0	2
9	MIP_NL__0PNPDK20110328_160708_000059263101_00026_47454_4680.N1	0	2
10	MIP_NL__0PNPDK20110328_174501_000060373101_00027_47455_4681.N1	0	2
11	MIP_NL__0PNPDK20110328_192406_000060913101_00028_47456_4682.N1	0	2
12	MIP_NL__0PNPDE20110328_210441_000042913101_00029_47457_3326.N1	0	2
13	MIP_NL__0PNPDE20110328_221513_000061923101_00029_47457_3327.N1	0	2
14	MIP_NL__0PNPDE20110328_235728_000059453101_00030_47458_3328.N1	0	2

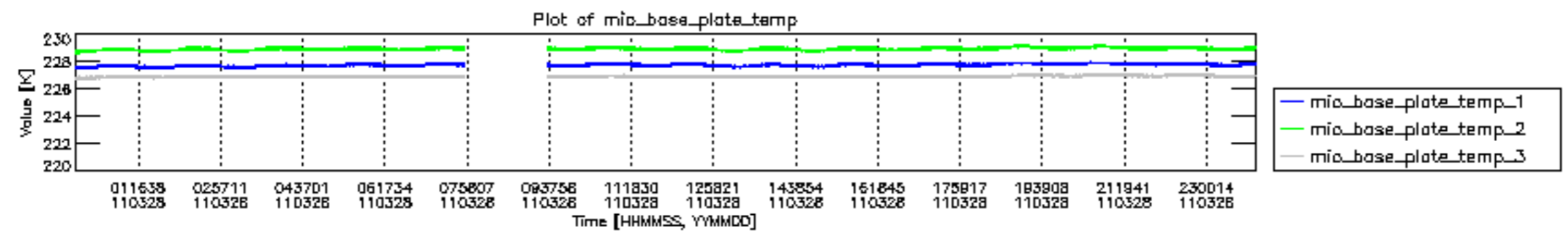


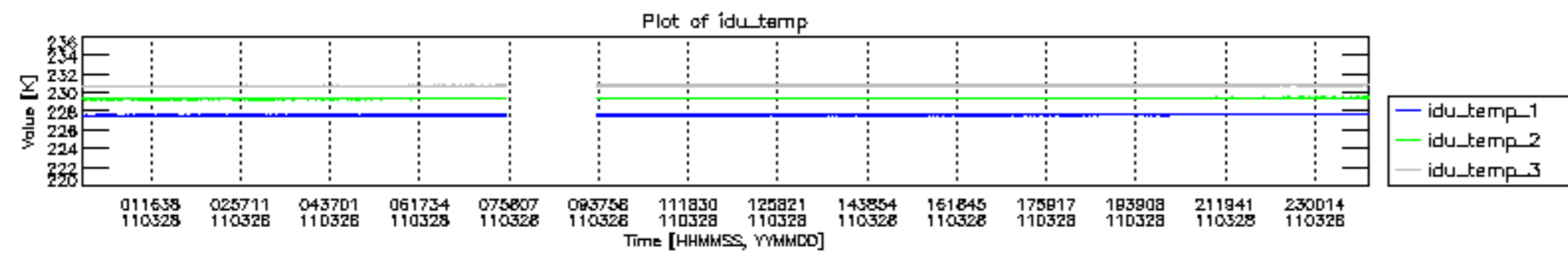
mipas_daily_report_level0_KSPT_L0_4504_N_20110328_12.PNG

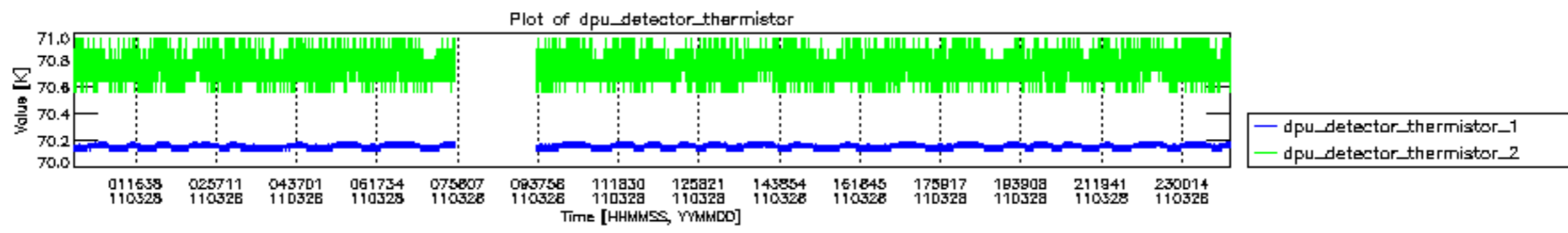


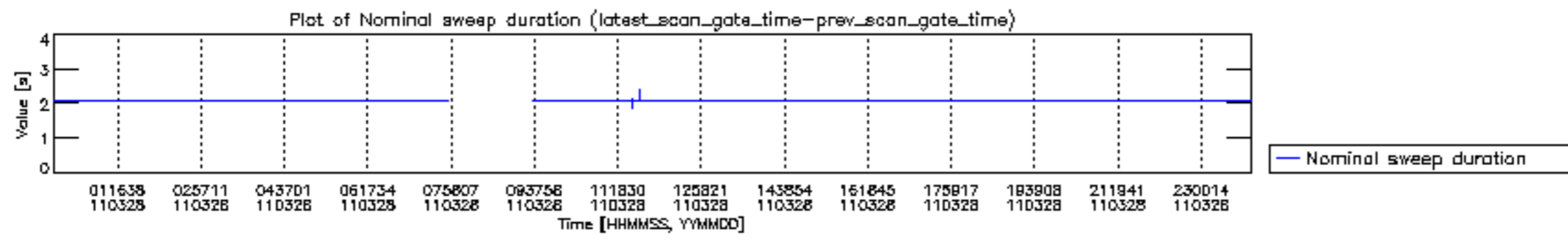
mipas_daily_report_level0_KSPT_L0_4504_N_20110328_13.PNG

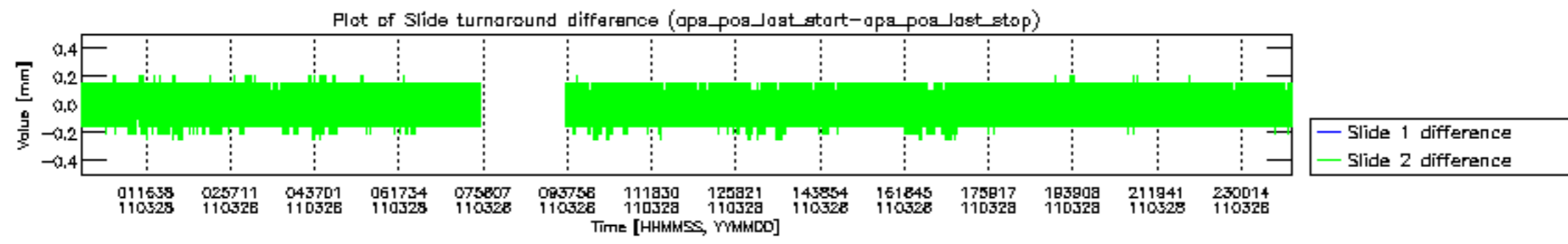


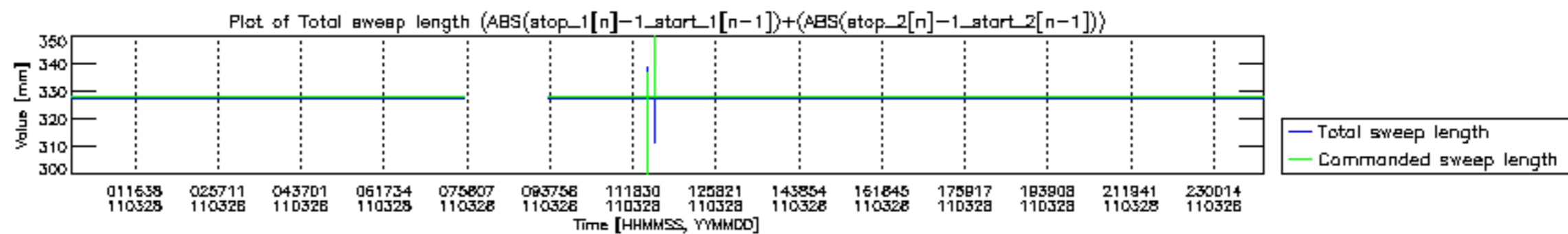


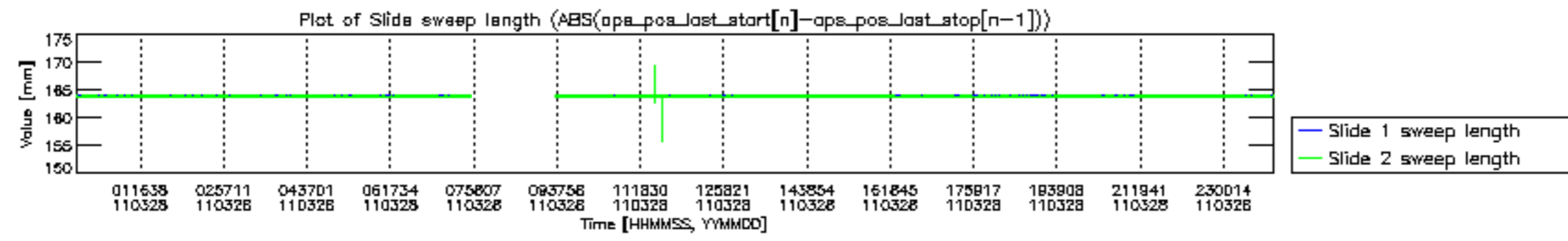


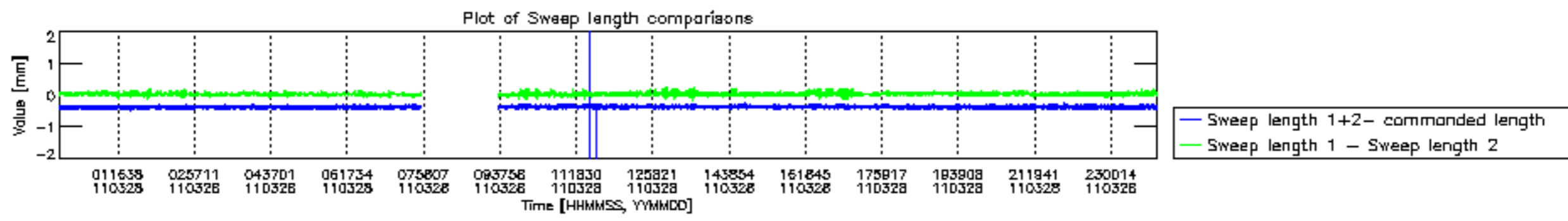


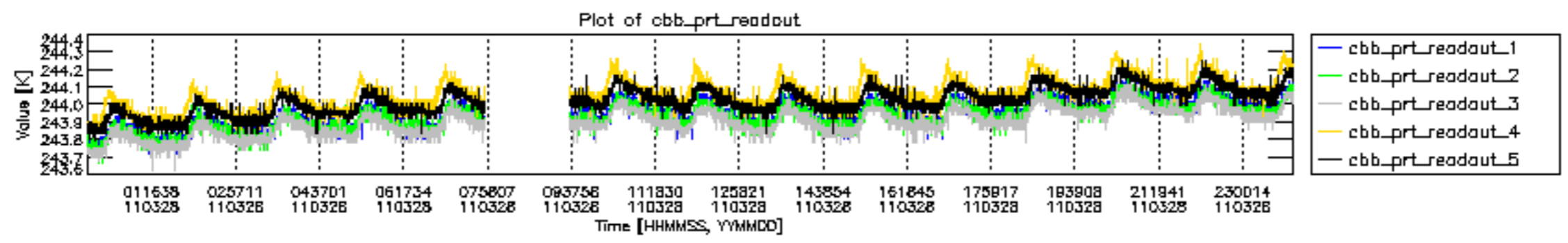


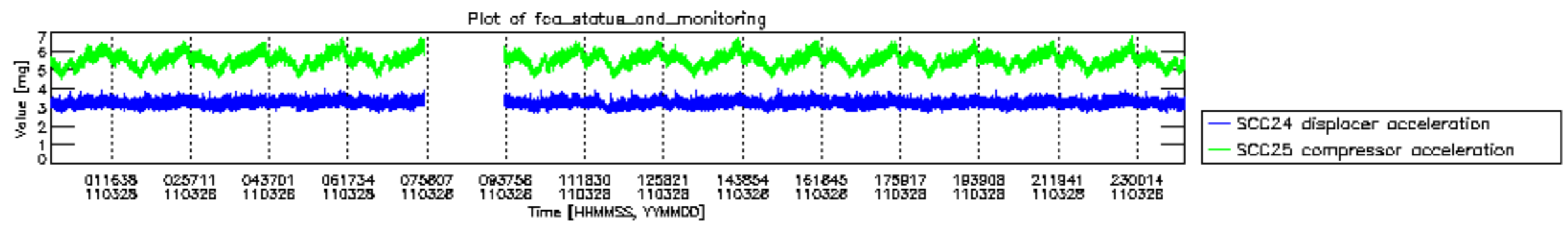












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

