

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	28FEB2011 05:24:25
Data source version	KSPT_L0/4504-N
Processing scope for products	23FEB2011 00:00:00 to 24FEB2011 00:00:00
Start time of first product within scope	23FEB2011 00:43:00
Stop time of last product within scope	24FEB2011 00:08:01
Total number of level 0 products	9
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.

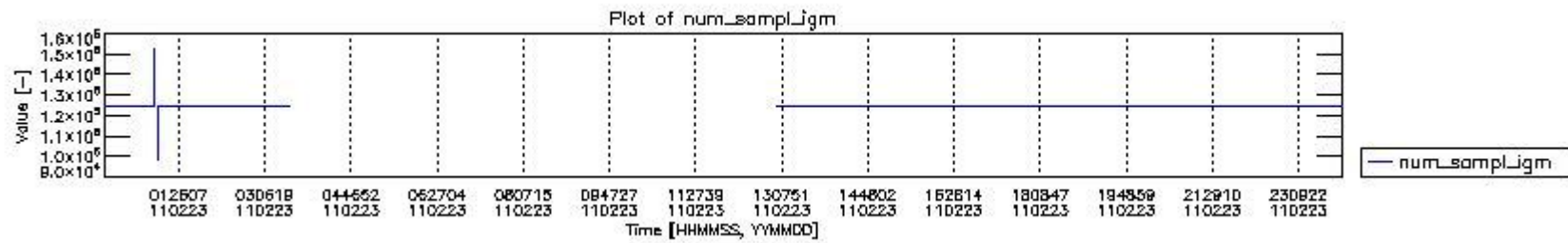
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110223_004300_000057713099_00404_46970_2971.N1	23FEB2011 00:43:00	23FEB2011 02:19:11	0	0	0	0	0
1	MIP_NL__0PNPDE20110223_021806_000045523099_00405_46971_2972.N1	23FEB2011 02:18:06	23FEB2011 03:33:58	0	0	0	0	0
2	MIP_NL__0PNPDK20110223_130058_000059453099_00412_46978_4387.N1	23FEB2011 13:00:58	23FEB2011 14:40:03	0	0	0	0	0
3	MIP_NL__0PNPDK20110223_143821_000060163099_00413_46979_4388.N1	23FEB2011 14:38:21	23FEB2011 16:18:37	0	0	0	0	0
4	MIP_NL__0PNPDK20110223_161653_000059643099_00414_46980_4389.N1	23FEB2011 16:16:53	23FEB2011 17:56:17	0	0	0	0	0
5	MIP_NL__0PNPDK20110223_175533_000059083099_00415_46981_4390.N1	23FEB2011 17:55:33	23FEB2011 19:34:01	0	0	0	0	0
6	MIP_NL__0PNPDK20110223_193223_000061903099_00416_46982_4391.N1	23FEB2011 19:32:23	23FEB2011 21:15:32	0	0	0	0	0
7	MIP_NL__0PNPDE20110223_211457_000041823099_00417_46983_2973.N1	23FEB2011 21:14:57	23FEB2011 22:24:39	0	0	0	0	0
8	MIP_NL__0PNPDE20110223_222330_000062713099_00417_46983_2974.N1	23FEB2011 22:23:30	24FEB2011 00:08:01	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

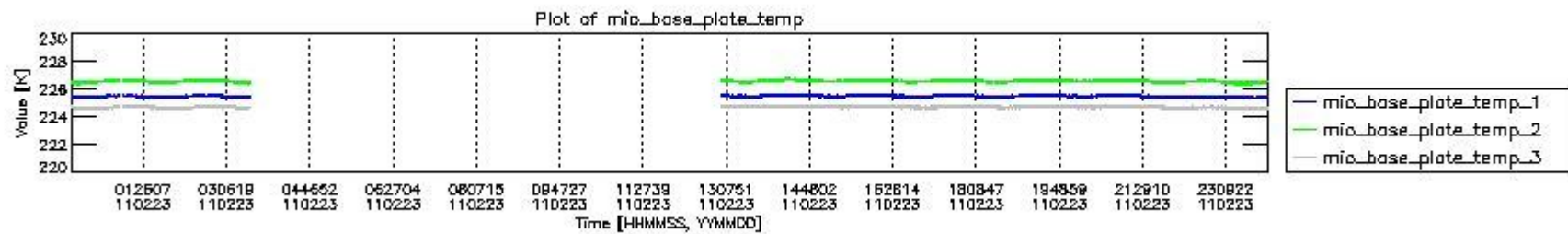
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

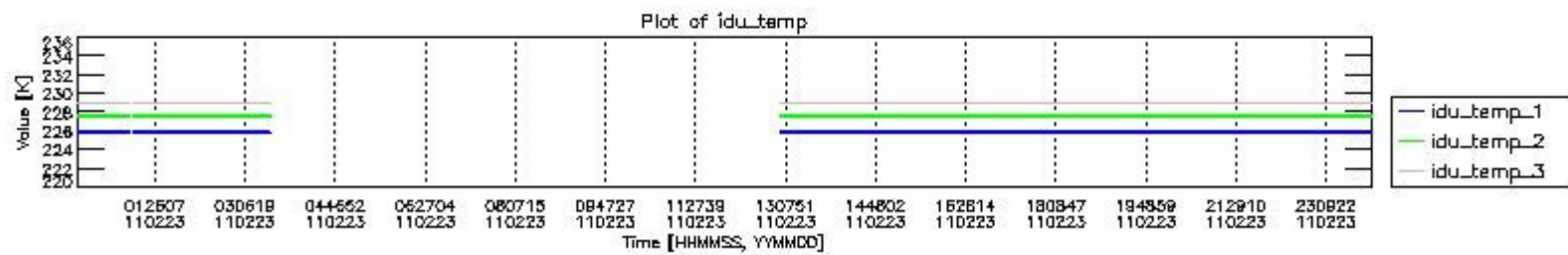
Number of igm samples	Count [#]	Count [%]
98847	1	0.0039720369
123398	1	0.0039720369
124099	1	0.0039720369
124800	23708	94.169050
124803	1462	5.8071179
128497	1	0.0039720369
148629	1	0.0039720369
152326	1	0.0039720369



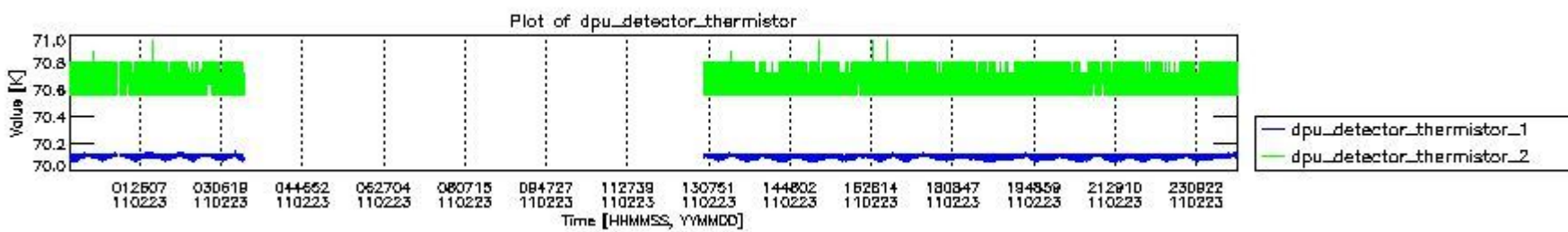
mipas_daily_report_level0_KSPT_L0_4504_N_20110223_0.PNG



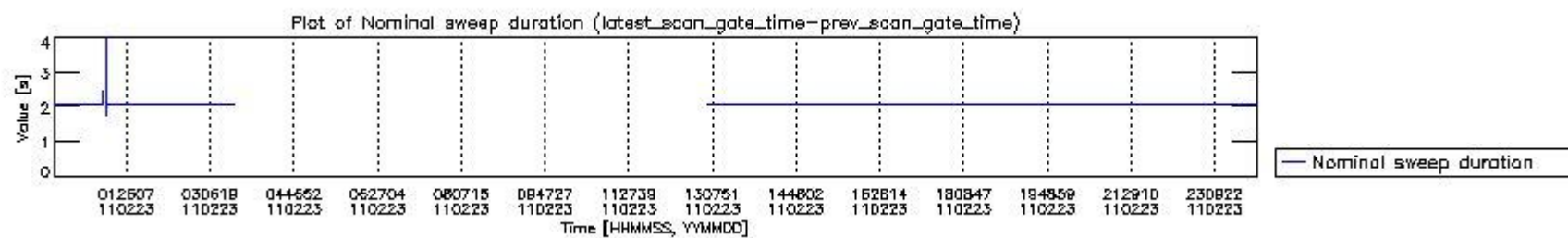
mipas_daily_report_level0_KSPT_L0_4504_N_20110223_1.PNG



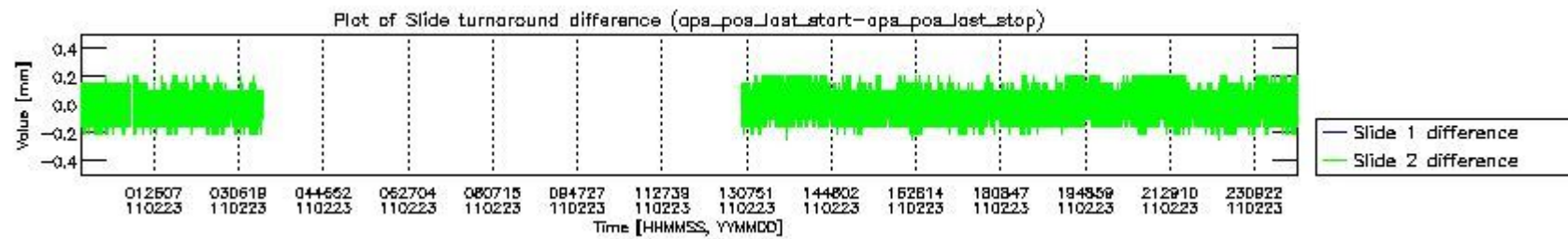
mipas_daily_report_level0_KSPT_L0_4504_N_20110223_2.PNG



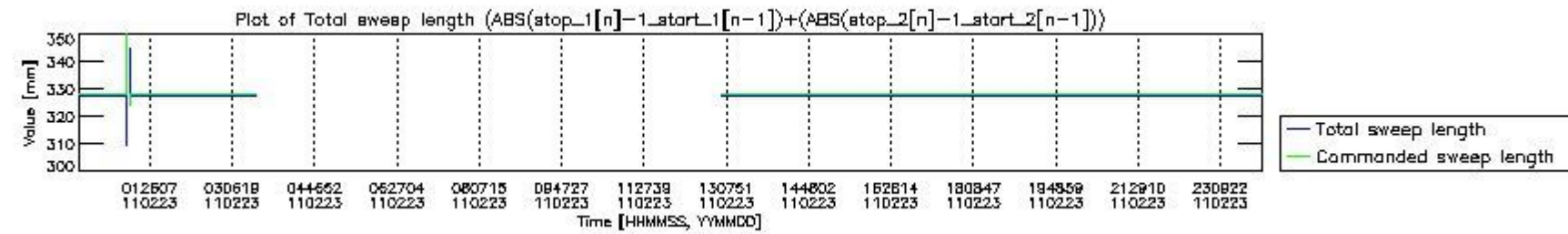
mipas_daily_report_level0_KSPT_L0_4504_N_20110223_3.PNG



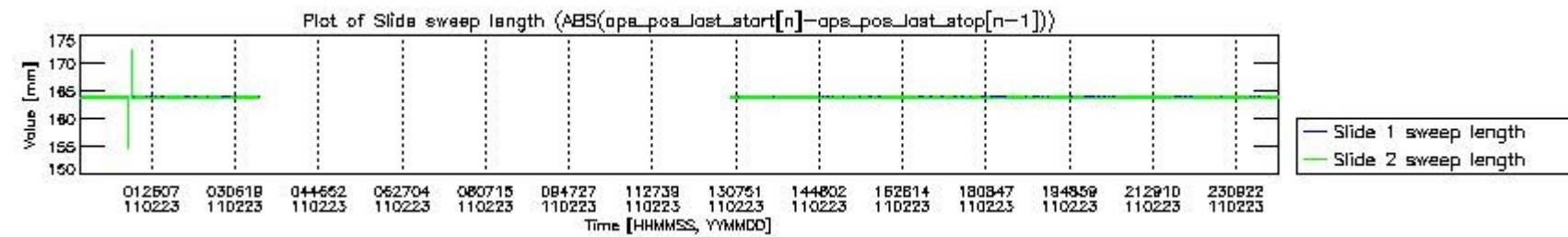
mipas_daily_report_level0_KSPT_L0_4504_N_20110223_4.PNG



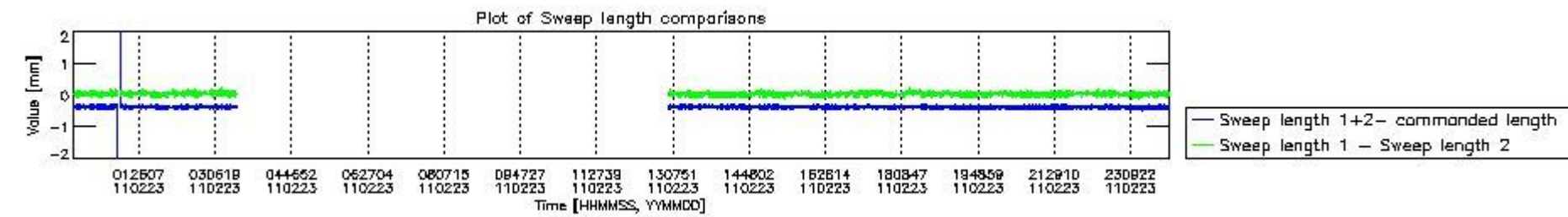
mipas_daily_report_level0_KSPT_L0_4504_N_20110223_5.PNG



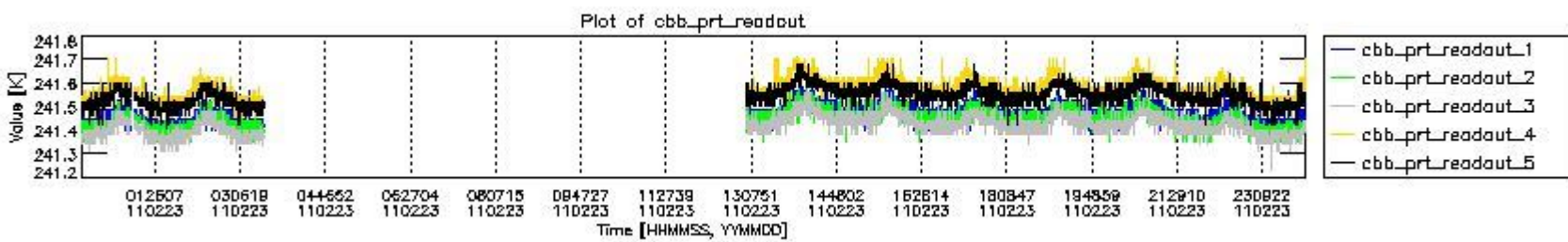
mipas_daily_report_level0_KSPT_L0_4504_N_20110223_6.PNG



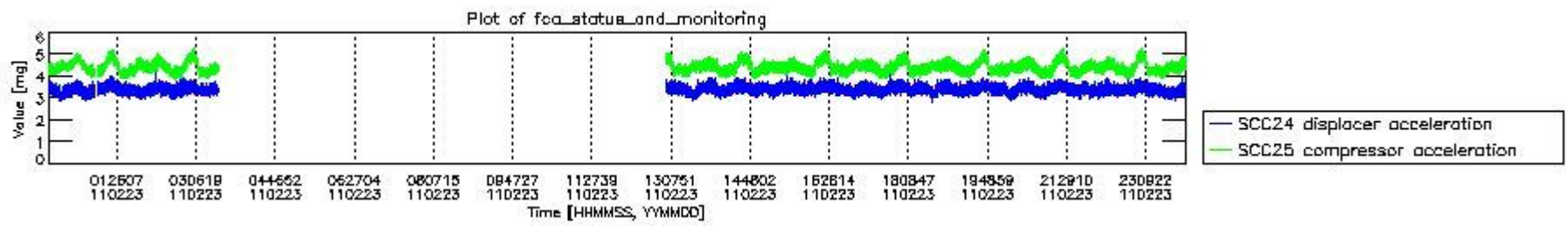
mipas_daily_report_level0_KSPT_L0_4504_N_20110223_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110223_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110223_9.PNG

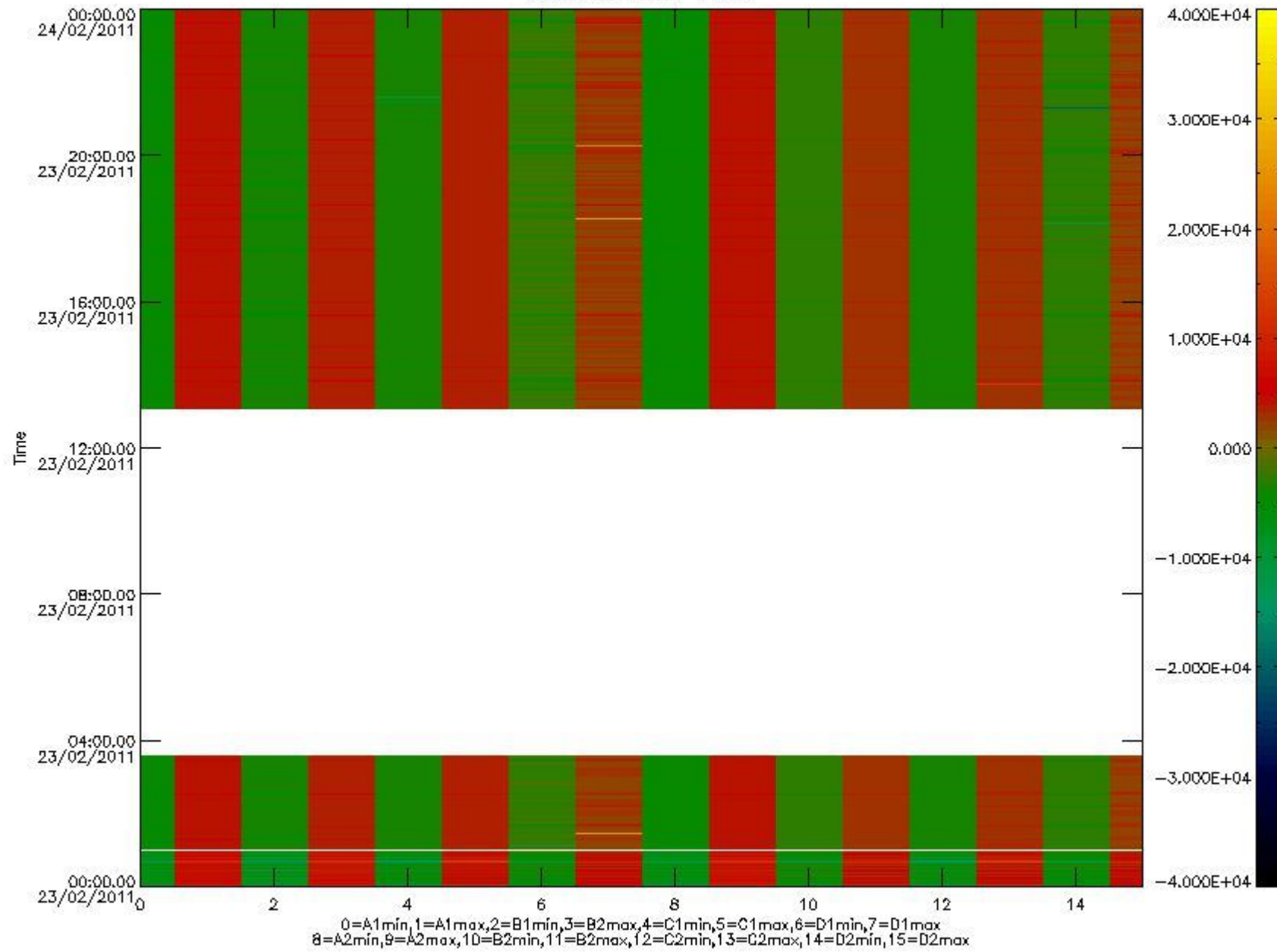


mipas_daily_report_level0_KSPT_L0_4504_N_20110223_10.PNG

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

Channel	Min	Max	ADC
A1	-16219	16975	16bit
B1	-15654	14314	16bit
C1	-24358	16422	16bit
D1	-21092	31951	16bit
A2	-14084	17064	16bit
B2	-13302	13116	16bit
C2	-16916	19951	16bit
D2	-32768	23536	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110223_11.PNG

0.3 ADF monitoring

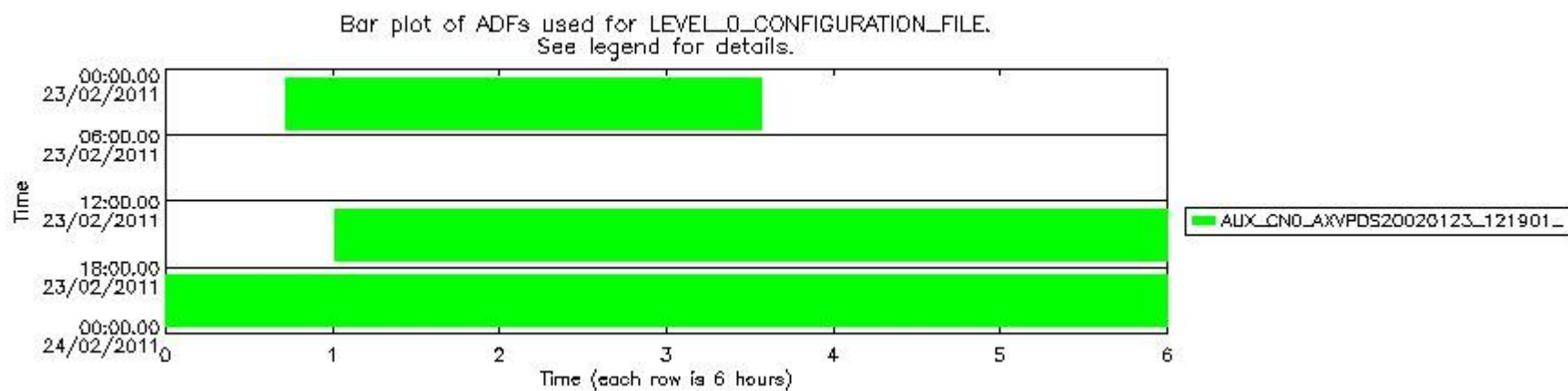
The use of ADFs is shown in two ways:

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.

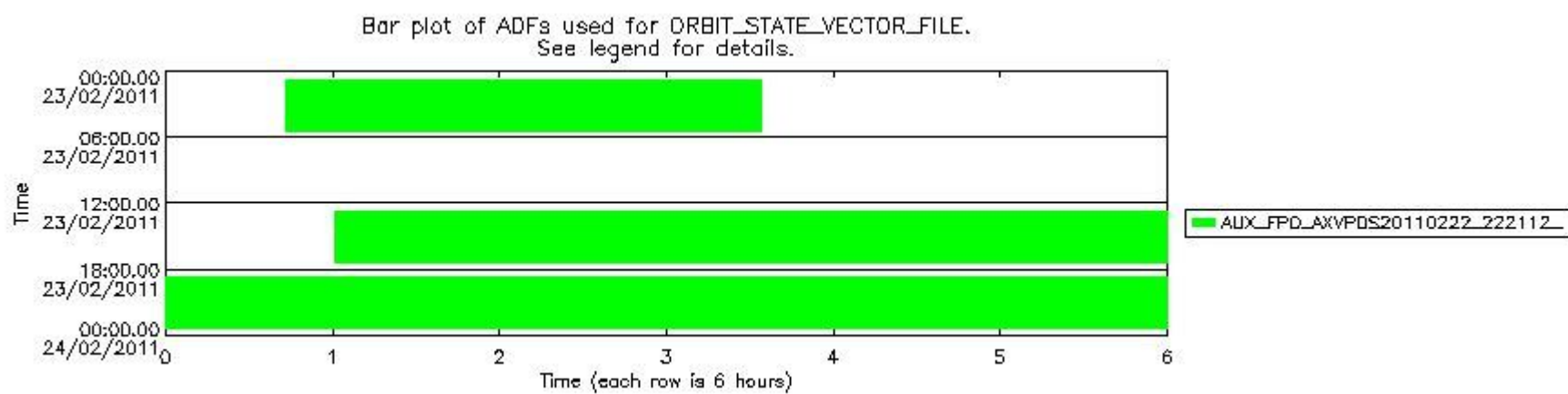
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110222_222112_20110222_195334_20110304_202710

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110223_004300_000057713099_00404_46970_2971.N1	0	1

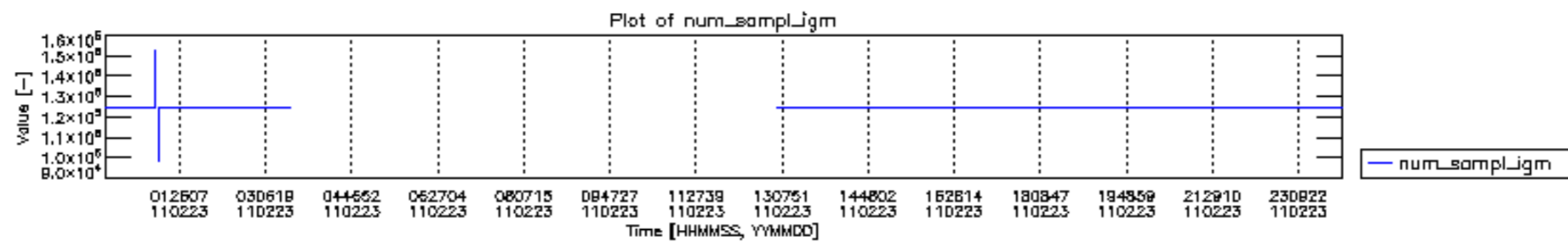
1	MIP_NL__0PNPDE20110223_021806_000045523099_00405_46971_2972.N1	0	1
2	MIP_NL__0PNPDK20110223_130058_000059453099_00412_46978_4387.N1	0	1
3	MIP_NL__0PNPDK20110223_143821_000060163099_00413_46979_4388.N1	0	1
4	MIP_NL__0PNPDK20110223_161653_000059643099_00414_46980_4389.N1	0	1
5	MIP_NL__0PNPDK20110223_175533_000059083099_00415_46981_4390.N1	0	1
6	MIP_NL__0PNPDK20110223_193223_000061903099_00416_46982_4391.N1	0	1
7	MIP_NL__0PNPDE20110223_211457_000041823099_00417_46983_2973.N1	0	1
8	MIP_NL__0PNPDE20110223_222330_000062713099_00417_46983_2974.N1	0	1

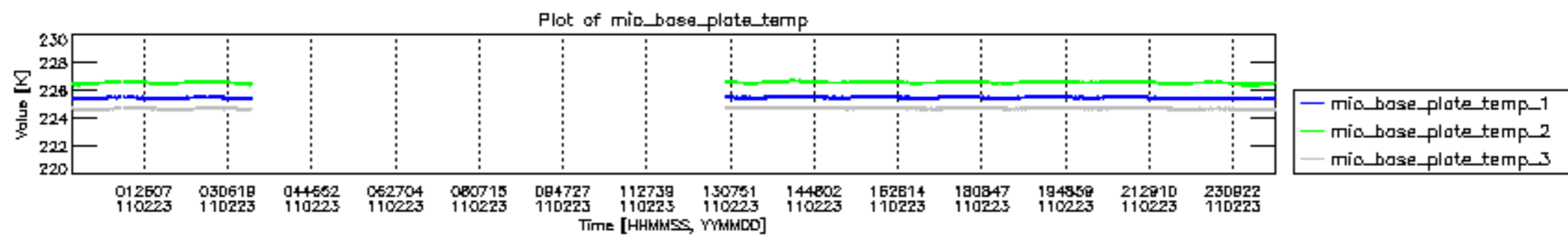


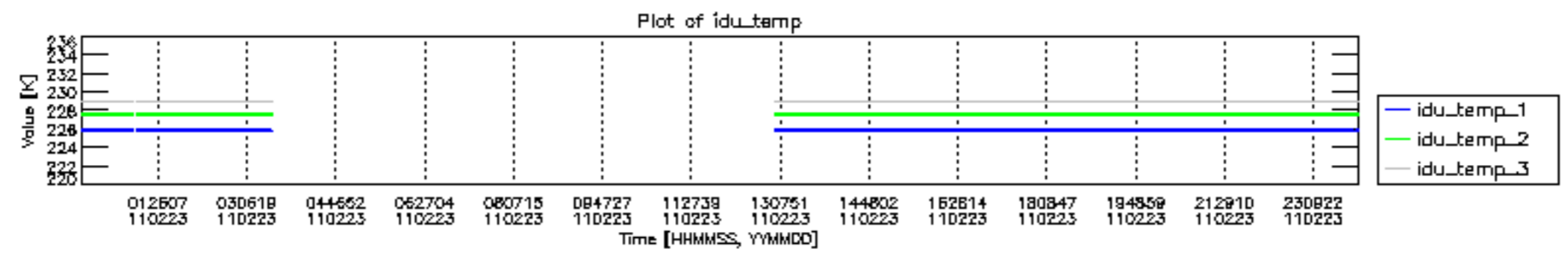
mipas_daily_report_level0_KSPT_L0_4504_N_20110223_12.PNG

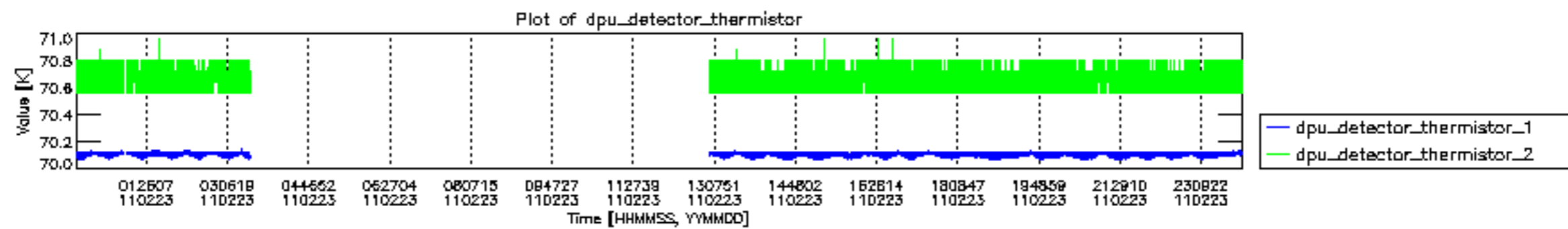


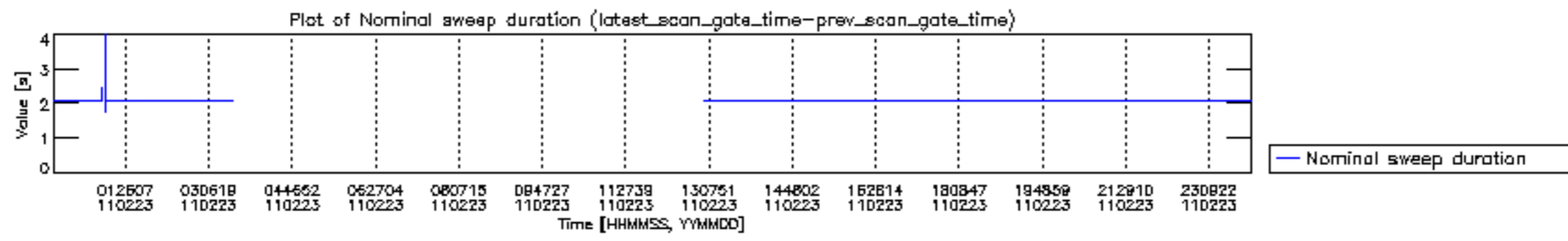
mipas_daily_report_level0_KSPT_L0_4504_N_20110223_13.PNG

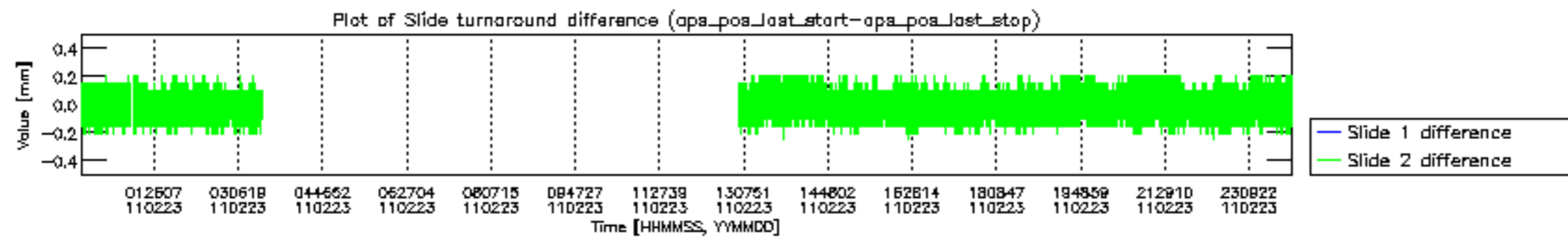


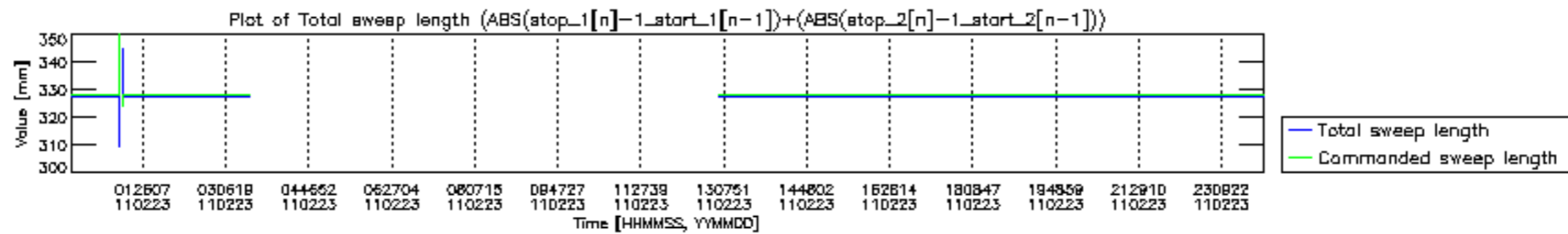


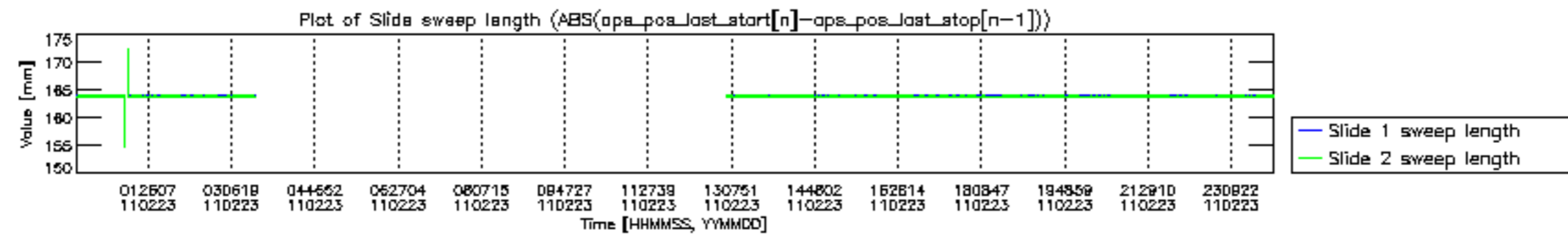


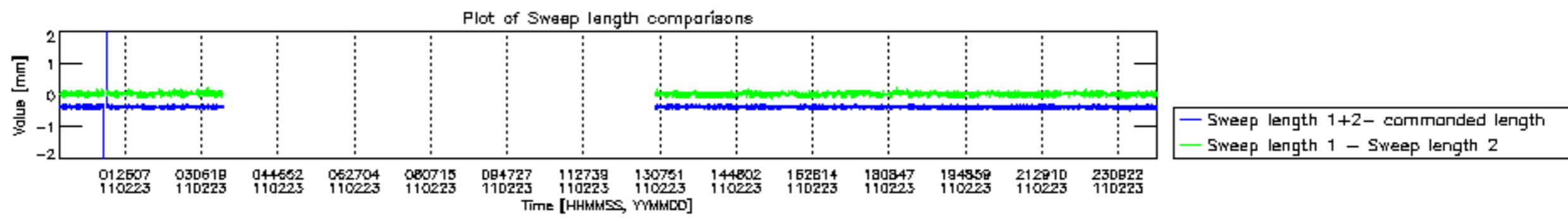


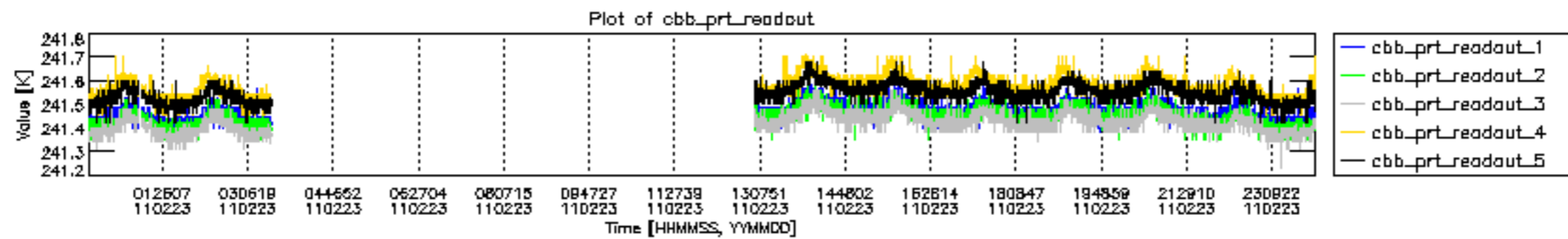


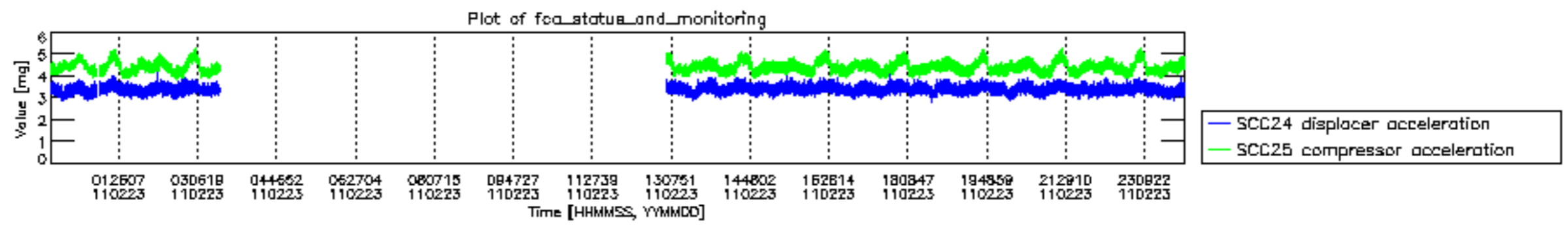












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

