

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	11JUN2011 05:26:20
Data source version	KSPT_L0/4504-N
Processing scope for products	06JUN2011 00:00:00 to 07JUN2011 00:00:00
Start time of first product within scope	06JUN2011 01:07:09
Stop time of last product within scope	07JUN2011 00:32:07
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__0PNPDE20110606_010709_000103243103_00160_48450_8976.N1	06JUN2011 01:07:09	06JUN2011 03:59:13	0	0	0	0	0
1	MIP_NL__0PNPDE20110606_035842_000061793103_00162_48452_8977.N1	06JUN2011 03:58:42	06JUN2011 05:41:41	0	0	0	0	0
2	MIP_NL__0PNPDE20110606_054108_000060713103_00163_48453_8978.N1	06JUN2011 05:41:08	06JUN2011 07:22:19	0	0	0	0	0
3	MIP_NL__0PNPDK20110606_072145_000040403103_00164_48454_5386.N1	06JUN2011 07:21:45	06JUN2011 08:29:05	0	0	0	0	0
4	MIP_NL__0PNPDK20110606_082834_000060563103_00165_48455_5387.N1	06JUN2011 08:28:34	06JUN2011 10:09:30	0	0	0	0	0
5	MIP_NL__0PNPDK20110606_100848_000060433103_00166_48456_5388.N1	06JUN2011 10:08:48	06JUN2011 11:49:31	0	0	0	0	0
6	MIP_NL__0PNPDK20110606_114849_000059413103_00167_48457_5389.N1	06JUN2011 11:48:49	06JUN2011 13:27:51	0	0	0	0	0
7	MIP_NL__0PNPDK20110606_132719_000058493103_00168_48458_5390.N1	06JUN2011 13:27:19	06JUN2011 15:04:49	0	0	0	0	0
8	MIP_NL__0PNPDK20110606_150407_000059413103_00169_48459_5391.N1	06JUN2011 15:04:07	06JUN2011 16:43:08	0	0	0	0	0
9	MIP_NL__0PNPDK20110606_164235_000058583103_00170_48460_5392.N1	06JUN2011 16:42:35	06JUN2011 18:20:12	0	0	0	0	0
10	MIP_NL__0PNPDK20110606_181918_000060023103_00171_48461_5393.N1	06JUN2011 18:19:18	06JUN2011 19:59:20	0	0	0	0	0
11	MIP_NL__0PNPDE20110606_195746_000041093103_00172_48462_8979.N1	06JUN2011 19:57:46	06JUN2011 21:06:15	0	0	0	0	0
12	MIP_NL__0PNPDE20110606_210516_000063923103_00172_48462_8980.N1	06JUN2011 21:05:16	06JUN2011 22:51:49	0	0	0	0	0
13	MIP_NL__0PNPDE20110606_225052_000060753103_00173_48463_8981.N1	06JUN2011 22:50:52	07JUN2011 00:32:07	0	0	0	0	0

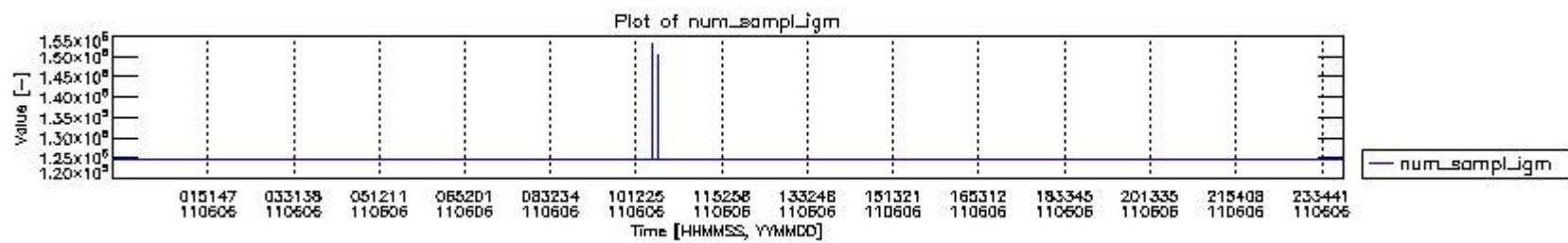
0.2 Instrument Operational Performance Parameters

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.

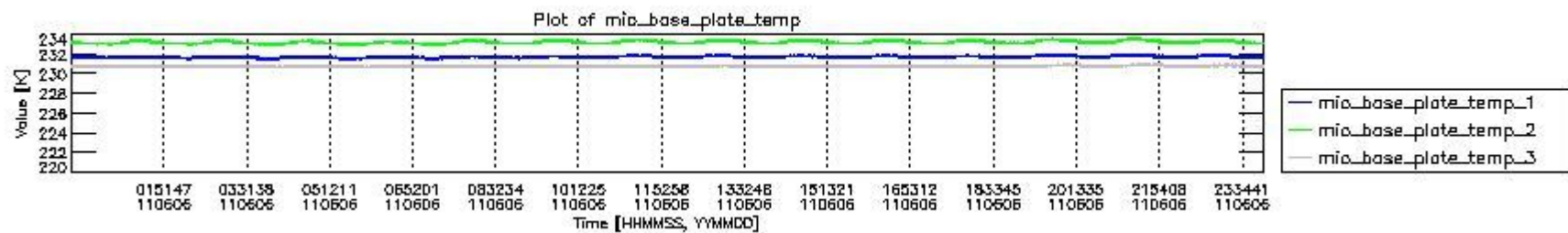
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	38632	92.898882
124803	2947	7.0866899
127456	1	0.0024047132
128943	1	0.0024047132

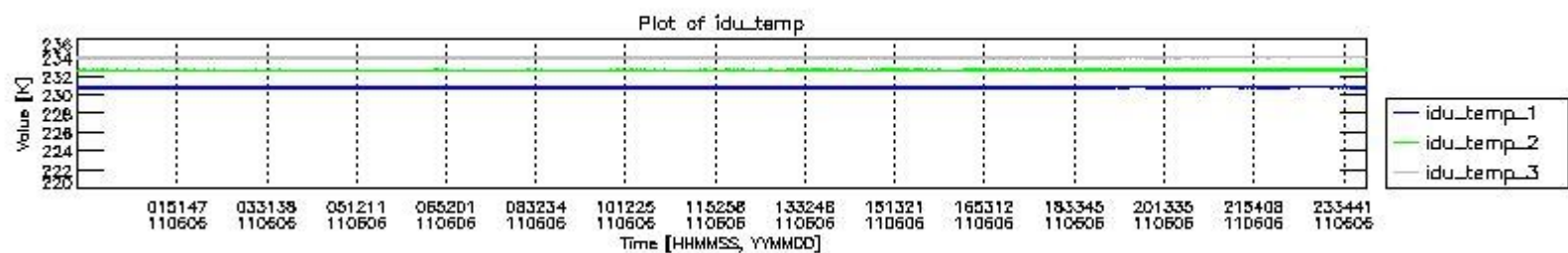
147588	1	0.0024047132
149075	1	0.0024047132
150244	1	0.0024047132
153218	1	0.0024047132



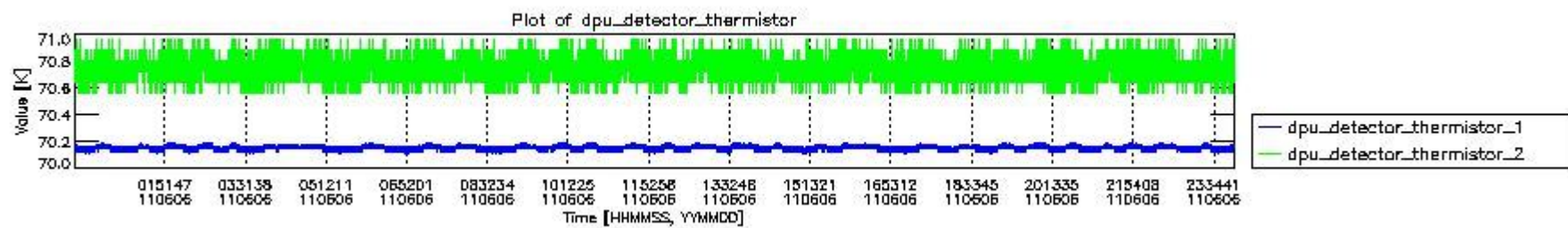
mipas_daily_report_level0_KSPT_L0_4504_N_20110606_0.PNG



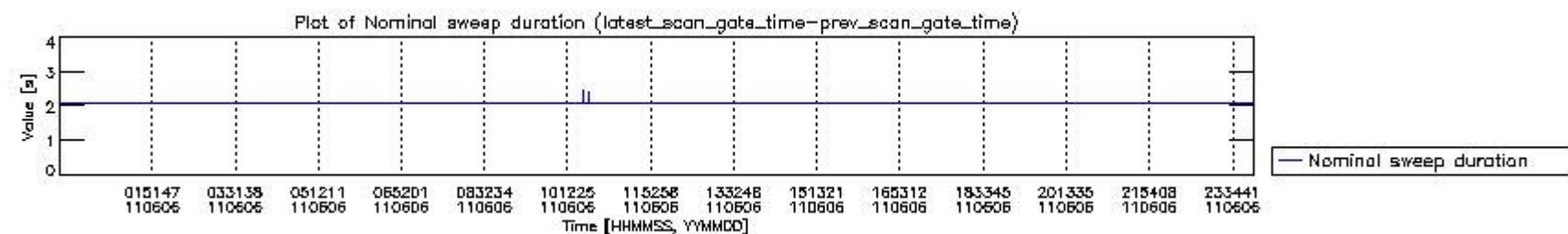
mipas_daily_report_level0_KSPT_L0_4504_N_20110606_1.PNG



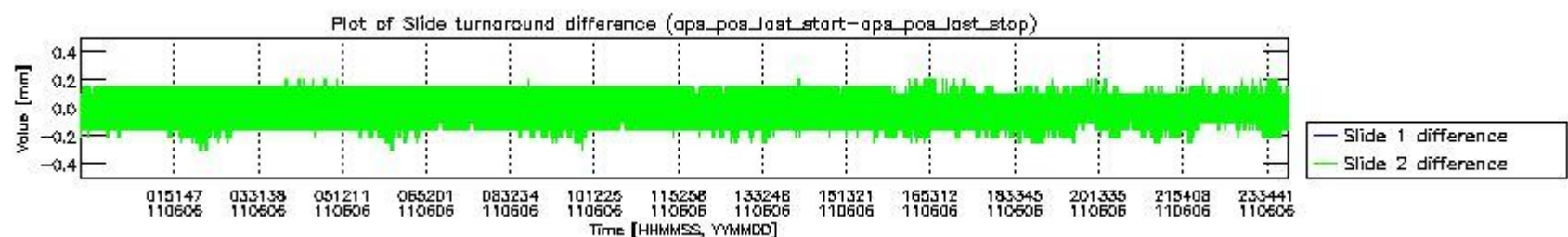
mipas_daily_report_level0_KSPT_L0_4504_N_20110606_2.PNG



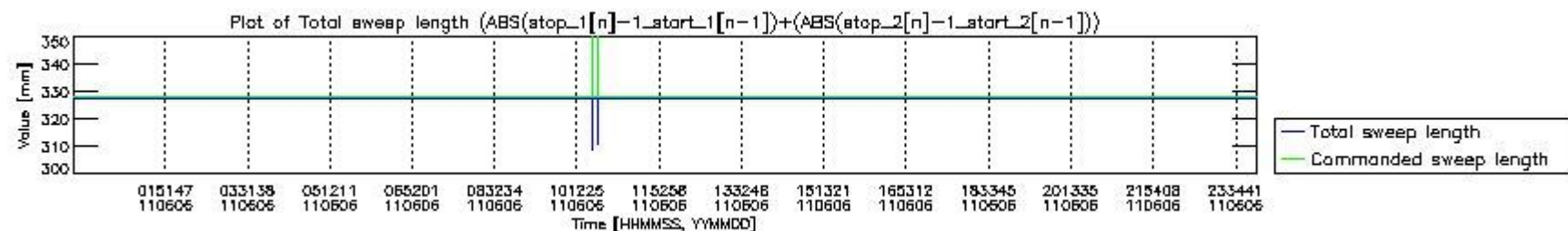
mipas_daily_report_level0_KSPT_L0_4504_N_20110606_3.PNG



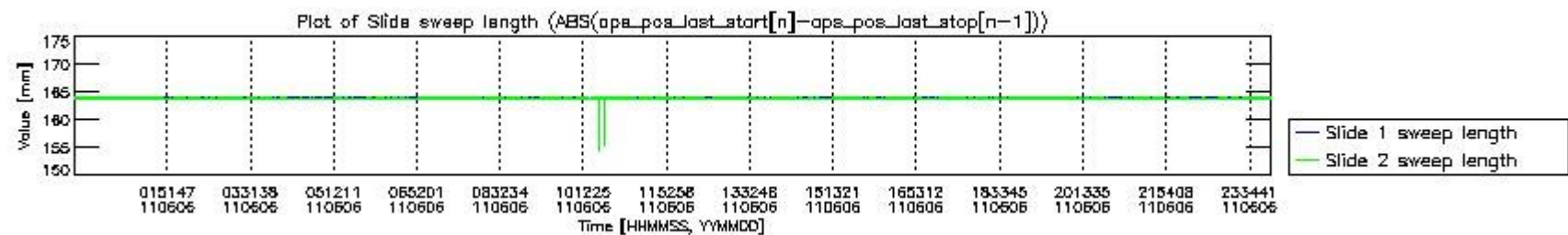
mipas_daily_report_level0_KSPT_L0_4504_N_20110606_4.PNG



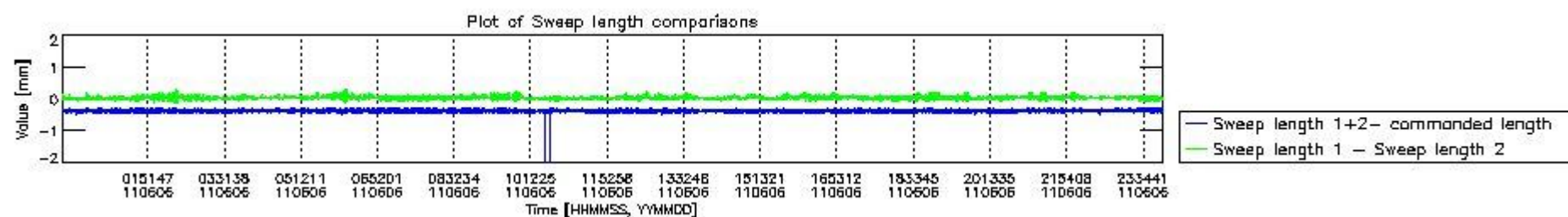
mipas_daily_report_level0_KSPT_L0_4504_N_20110606_5.PNG



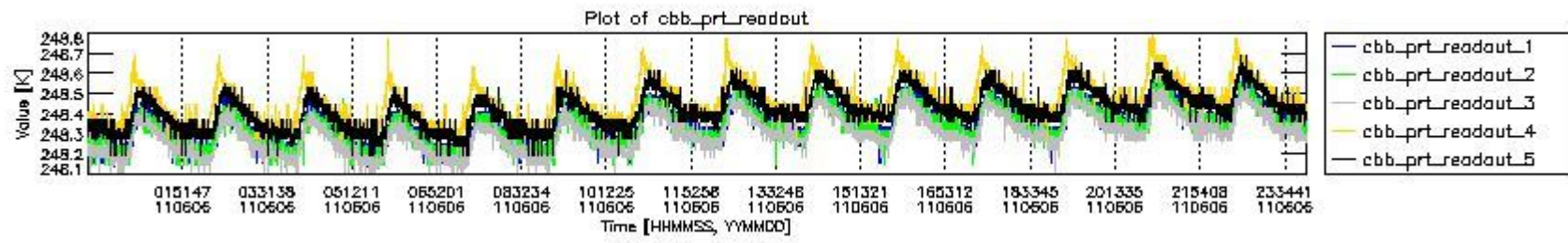
mipas_daily_report_level0_KSPT_L0_4504_N_20110606_6.PNG



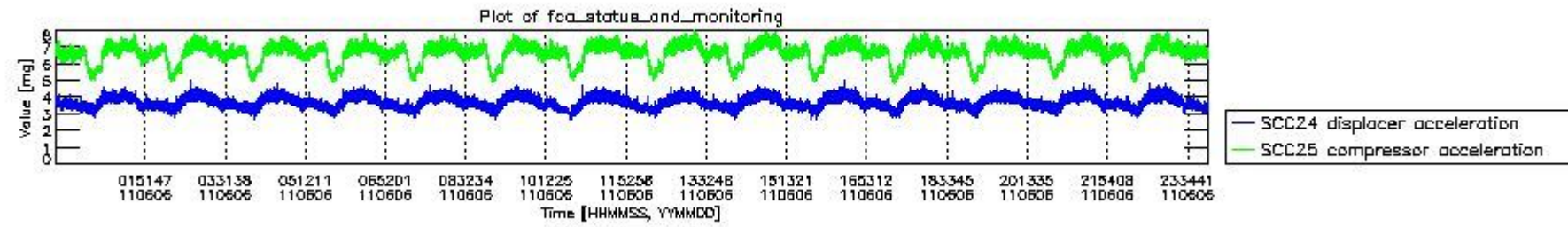
mipas_daily_report_level0_KSPT_L0_4504_N_20110606_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110606_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110606_9.PNG

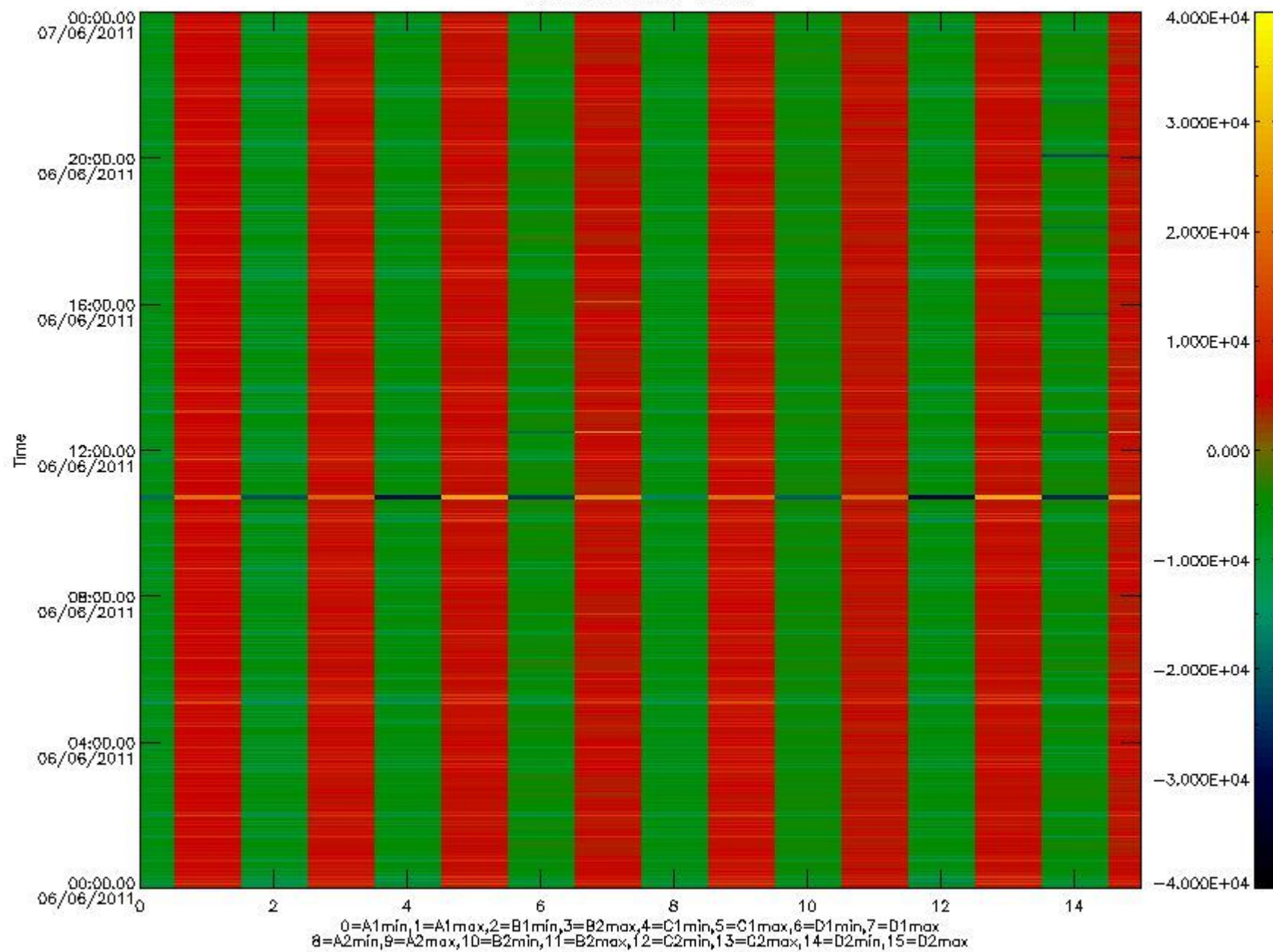


mipas_daily_report_level0_KSPT_L0_4504_N_20110606_10.PNG

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

Channel	Min	Max	ADC
A1	-19269	20523	16bit
B1	-22102	18860	16bit
C1	-28760	28700	16bit
D1	-32768	32767	16bit
A2	-16578	20649	16bit
B2	-20595	20114	16bit
C2	-29864	29542	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_20110606_11.PNG

0.3 ADF monitoring

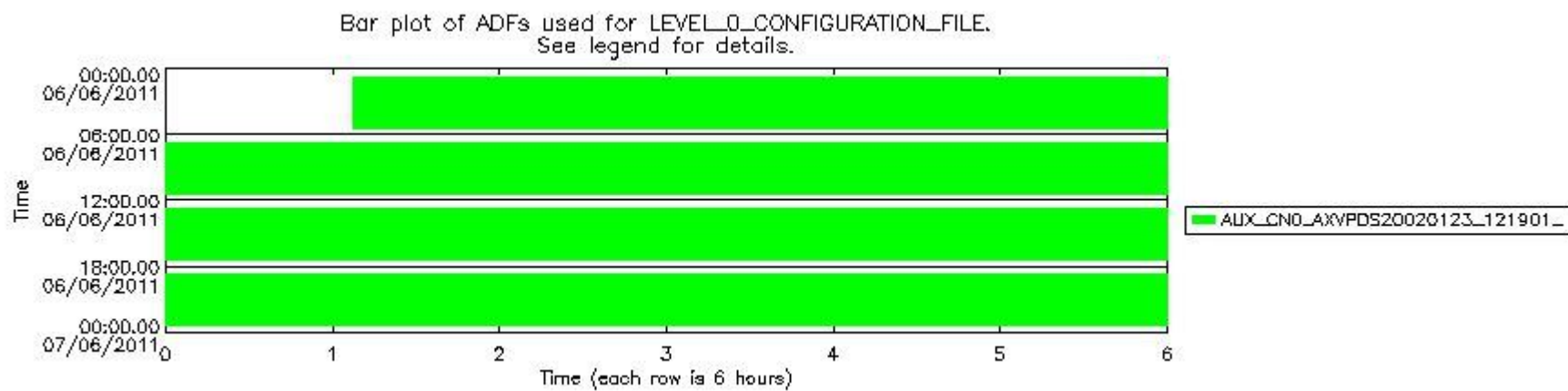
The use of ADFs is shown in two ways:

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.

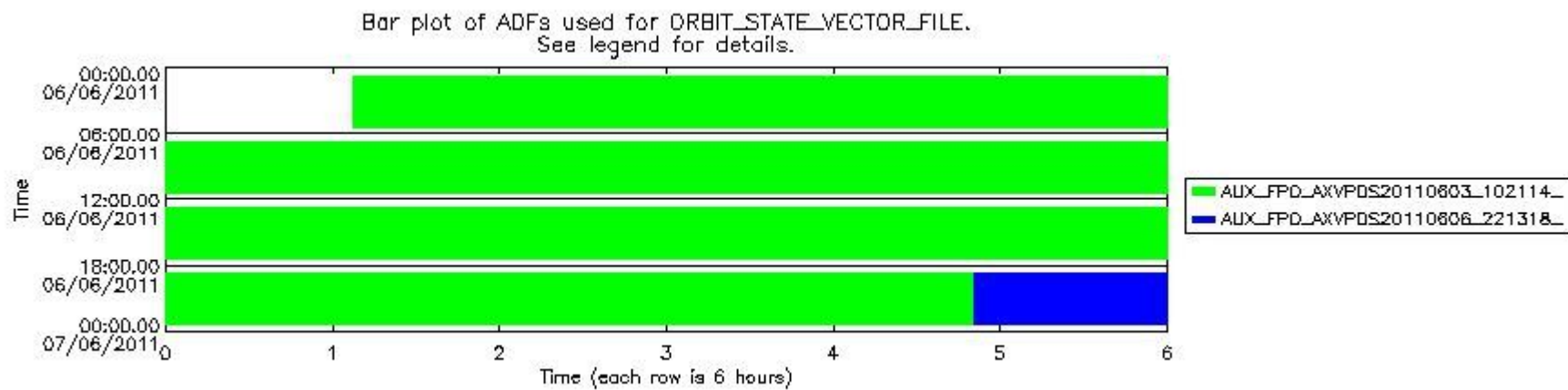
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110603_102114_20110602_184828_20110612_210215
2	AUX_FPO_AXVPDS20110606_221318_20110605_183829_20110615_205216

Number	Product name	#CN0	#FPO
--------	--------------	------	------

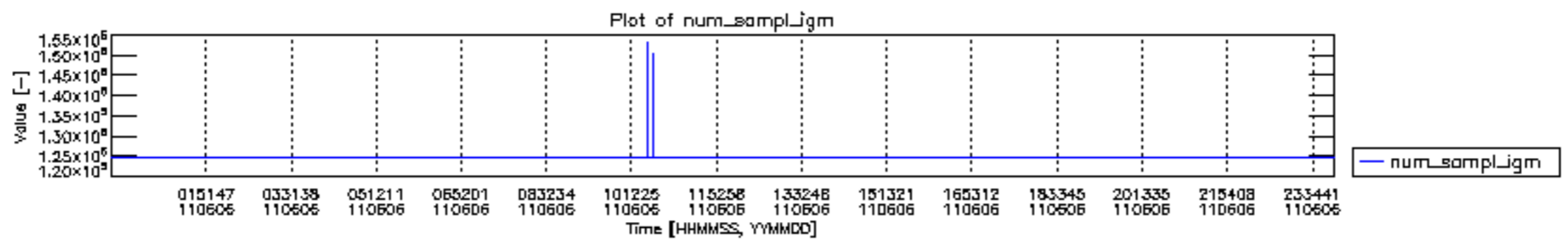
0	MIP_NL__0PNPDE20110606_010709_000103243103_00160_48450_8976.N1	0	1
1	MIP_NL__0PNPDE20110606_035842_000061793103_00162_48452_8977.N1	0	1
2	MIP_NL__0PNPDE20110606_054108_000060713103_00163_48453_8978.N1	0	1
3	MIP_NL__0PNPDK20110606_072145_000040403103_00164_48454_5386.N1	0	1
4	MIP_NL__0PNPDK20110606_082834_000060563103_00165_48455_5387.N1	0	1
5	MIP_NL__0PNPDK20110606_100848_000060433103_00166_48456_5388.N1	0	1
6	MIP_NL__0PNPDK20110606_114849_000059413103_00167_48457_5389.N1	0	1
7	MIP_NL__0PNPDK20110606_132719_000058493103_00168_48458_5390.N1	0	1
8	MIP_NL__0PNPDK20110606_150407_000059413103_00169_48459_5391.N1	0	1
9	MIP_NL__0PNPDK20110606_164235_000058583103_00170_48460_5392.N1	0	1
10	MIP_NL__0PNPDK20110606_181918_000060023103_00171_48461_5393.N1	0	1
11	MIP_NL__0PNPDE20110606_195746_000041093103_00172_48462_8979.N1	0	1
12	MIP_NL__0PNPDE20110606_210516_000063923103_00172_48462_8980.N1	0	1
13	MIP_NL__0PNPDE20110606_225052_000060753103_00173_48463_8981.N1	0	2

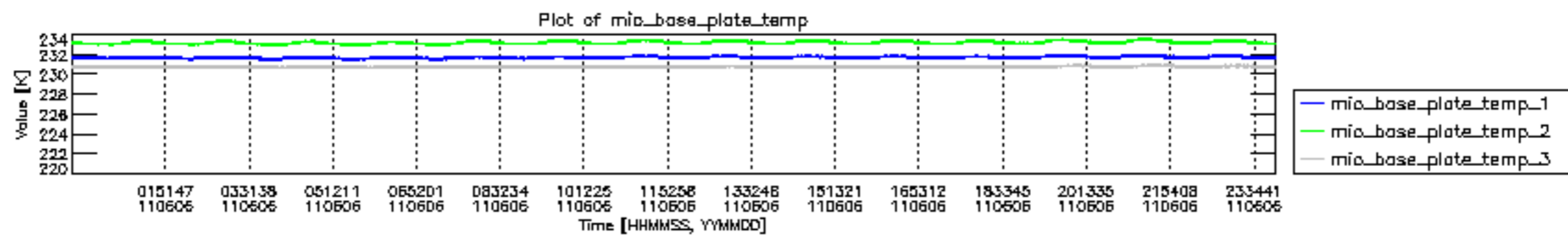


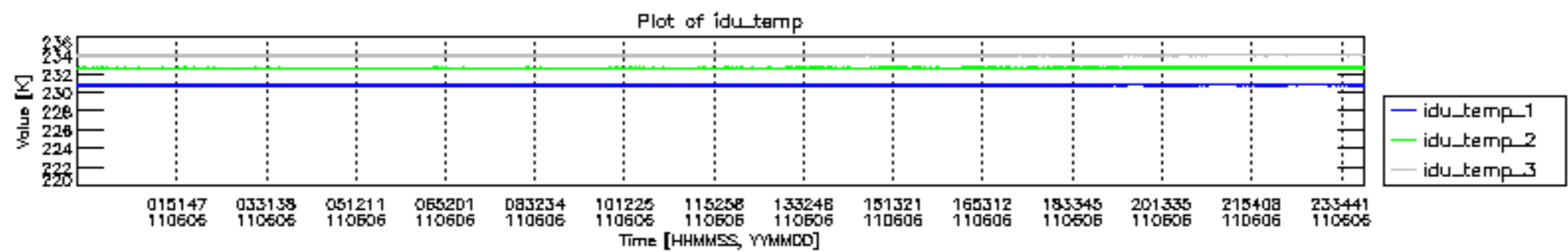
mipas_daily_report_level0_KSPT_L0_4504_N_20110606_12.PNG

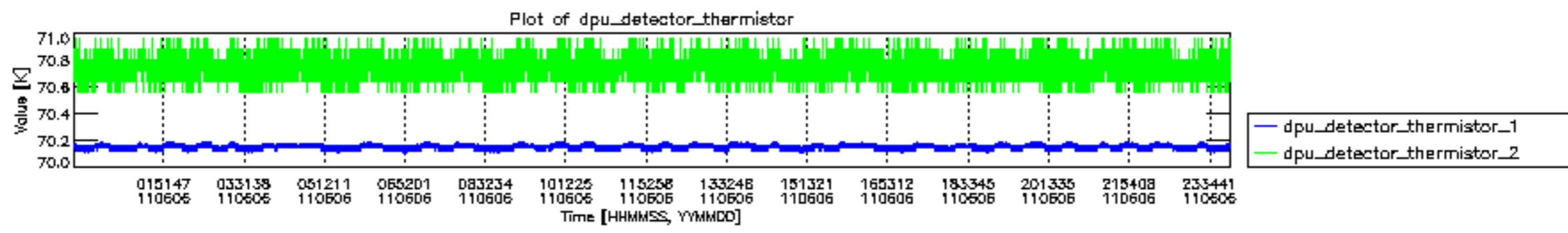


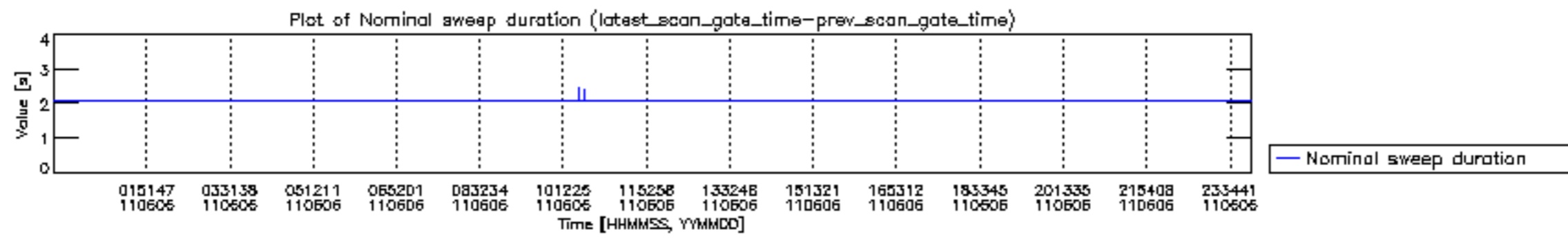
mipas_daily_report_level0_KSPT_L0_4504_N_20110606_13.PNG

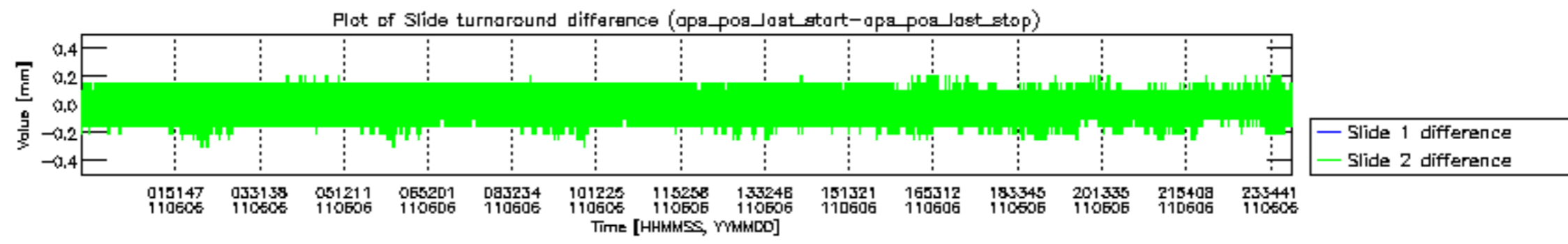


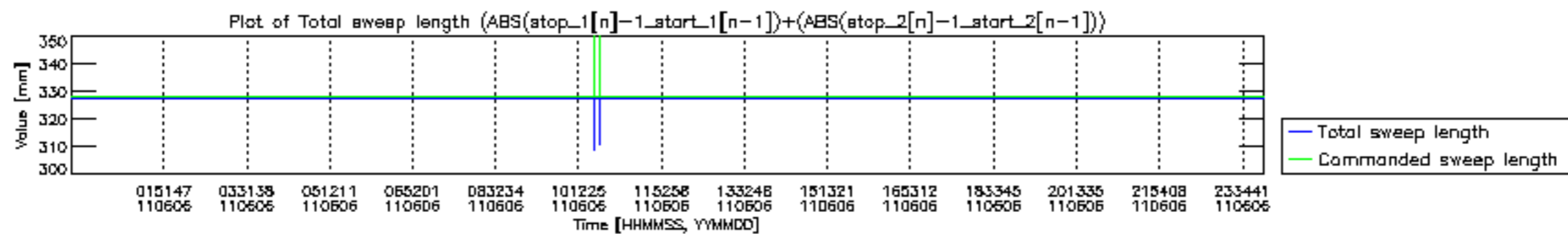


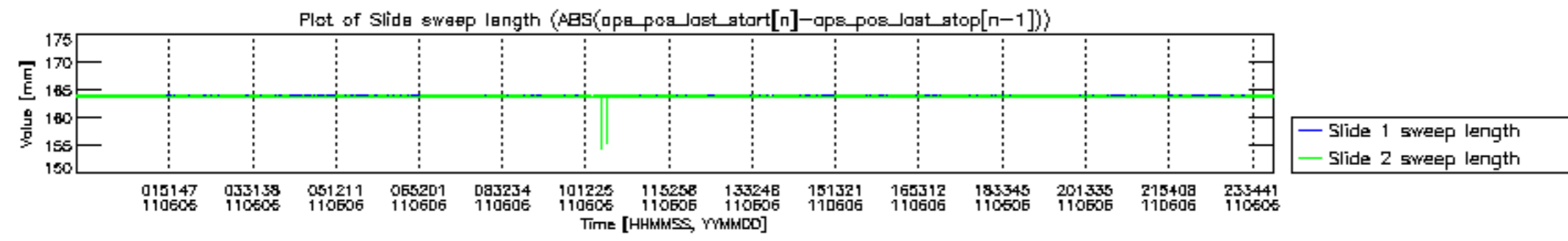


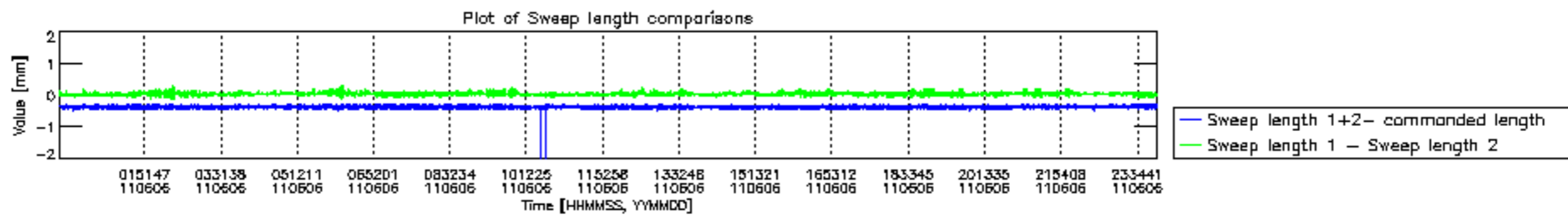


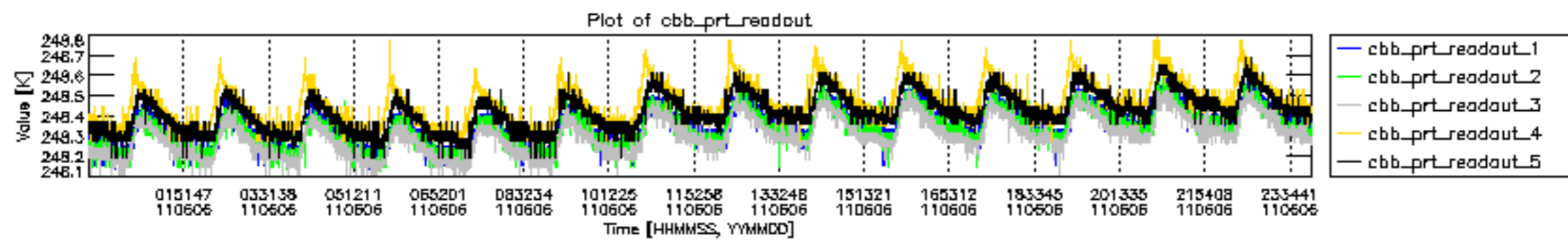


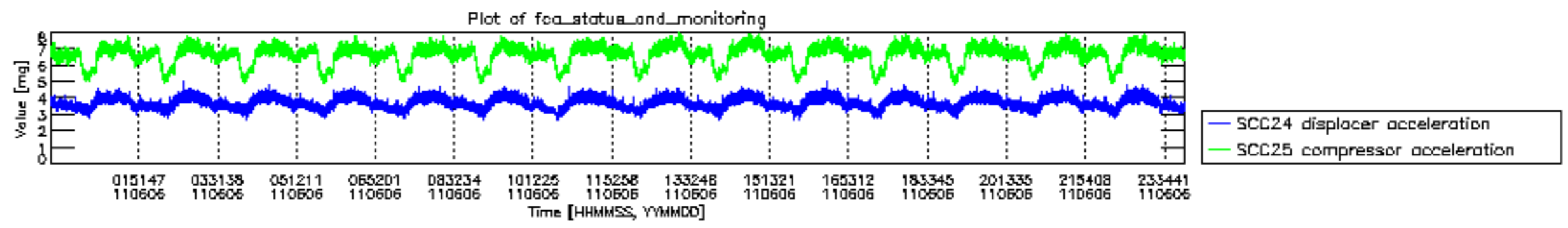












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

