

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	05APR2011 05:23:57
Data source version	KSPT_L0/4504-N
Processing scope for products	31MAR2011 00:00:00 to 01APR2011 00:00:00
Start time of first product within scope	31MAR2011 00:22:15
Stop time of last product within scope	01APR2011 01:27:20
Total number of level 0 products	19
Number of level 0 products with errors	3

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

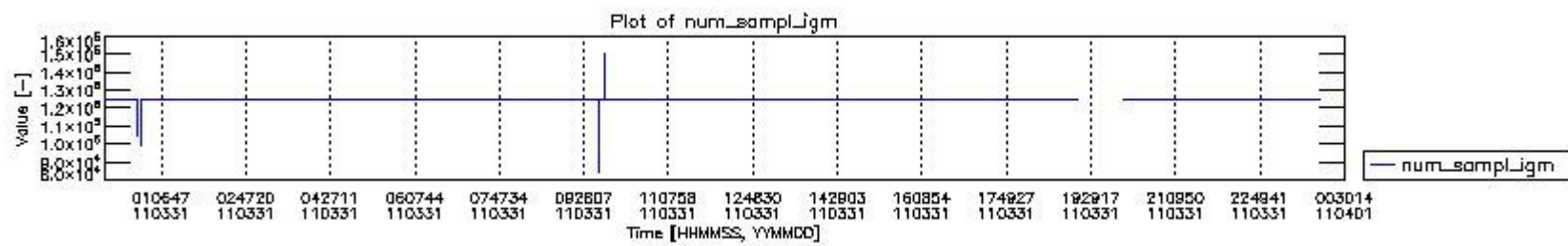
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110331_002215_000059063101_00059_47487_3339.N1	31MAR2011 00:22:15	31MAR2011 02:00:40	0	0	0	0	0
1	MIP_NL__0PNPDE20110331_015936_000045673101_00060_47488_3340.N1	31MAR2011 01:59:36	31MAR2011 03:15:42	0	0	0	0	0
2	MIP_NL__0PNPDE20110331_031509_000061083101_00061_47489_3341.N1	31MAR2011 03:15:09	31MAR2011 04:56:57	0	0	0	0	0
3	MIP_NL__0PNPDE20110331_045624_000060353101_00062_47490_3342.N1	31MAR2011 04:56:24	31MAR2011 06:36:59	0	0	0	0	0
4	MIP_NL__0PNPDK20110331_063626_000040943101_00063_47491_4704.N1	31MAR2011 06:36:26	31MAR2011 07:44:40	0	0	0	0	0
5	MIP_NL__0PNPDK20110331_074407_000060813101_00064_47492_4705.N1	31MAR2011 07:44:07	31MAR2011 09:25:28	0	0	0	0	0
6	MIP_NL__0PNPDK20110331_092446_000060453101_00065_47493_4706.N1	31MAR2011 09:24:46	31MAR2011 11:05:31	0	0	0	0	0
7	MIP_NL__0PNPDK20110331_110451_000059983101_00066_47494_4707.N1	31MAR2011 11:04:51	31MAR2011 12:44:49	0	0	0	0	0
8	MIP_NL__0PNPDK20110331_124418_000058833101_00067_47495_4708.N1	31MAR2011 12:44:18	31MAR2011 14:22:20	0	0	0	0	0
9	MIP_NL__0PNPDK20110331_142130_000058453101_00068_47496_4709.N1	31MAR2011 14:21:30	31MAR2011 15:58:55	0	0	0	0	0
10	MIP_NL__0PNPDK20110331_155727_000059203101_00069_47497_4710.N1	31MAR2011 15:57:27	31MAR2011 17:36:08	0	0	0	0	0
11	MIP_NL__0PNPDK20110331_173513_000059273101_00070_47498_4711.N1	31MAR2011 17:35:13	31MAR2011 19:14:00	0	0	0	0	0
12	MIP_NL__0PNPDK20110331_200747_000027893101_00071_47499_4727.N1	31MAR2011 20:07:47	31MAR2011 20:54:16	1	1	1	0	1
13	MIP_NL__0PNPDK20110331_200800_000000213101_00071_47499_4717.N1	31MAR2011 20:08:00	31MAR2011 20:08:21	1	0	1	0	0
14	MIP_NL__0PNPDK20110331_200821_000000003101_00071_47499_4718.N1	31MAR2011 20:08:21	31MAR2011 20:08:21	1	1	0	0	0
15	MIP_NL__0PNPDK20110331_200829_000027473101_00071_47499_4722.N1	31MAR2011 20:08:29	31MAR2011 20:54:16	0	0	0	0	0
16	MIP_NL__0PNPDE20110331_205255_000043453101_00072_47500_3343.N1	31MAR2011 20:52:55	31MAR2011 22:05:20	0	0	0	0	0
17	MIP_NL__0PNPDE20110331_220419_000062363101_00072_47500_3344.N1	31MAR2011 22:04:19	31MAR2011 23:48:15	0	0	0	0	0
18	MIP_NL__0PNPDE20110331_234647_000060333101_00073_47501_3345.N1	31MAR2011 23:46:47	01APR2011 01:27:20	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

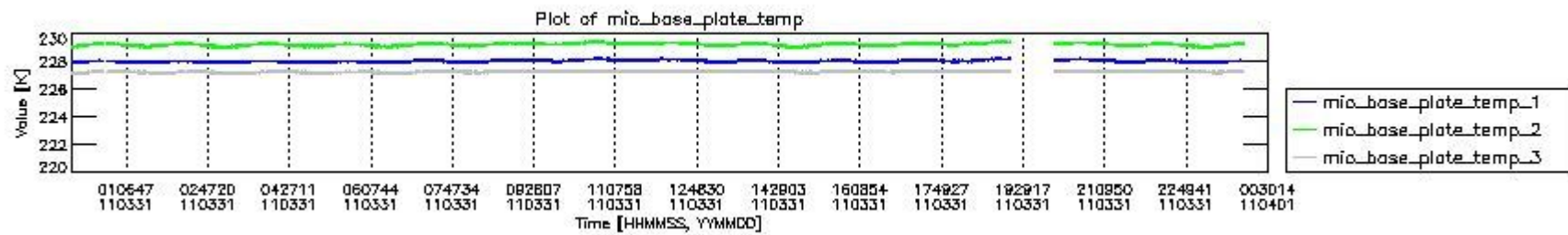
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

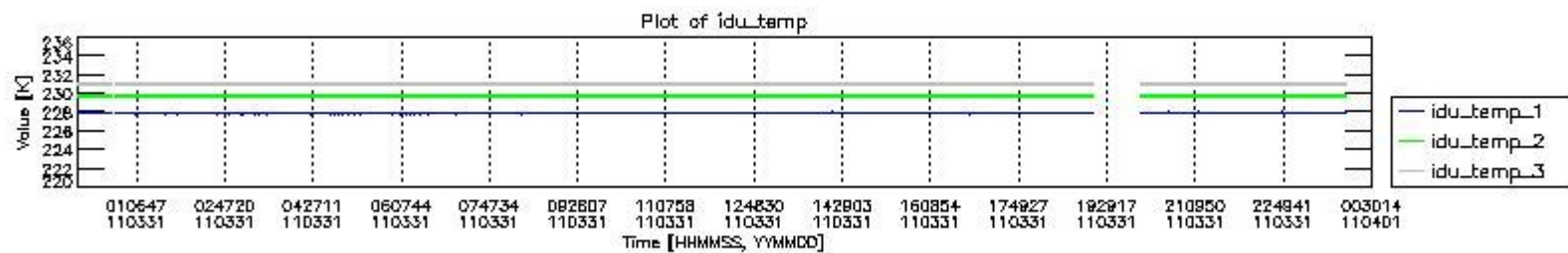
Number of igm samples	Count [#]	Count [%]
83932	1	0.0025026904
94300	1	0.0025026904
98847	1	0.0025026904
105005	1	0.0025026904
105342	1	0.0025026904
114432	1	0.0025026904
123398	1	0.0025026904
124099	1	0.0025026904
124800	37118	92.894862
124803	2827	7.0751057
125137	1	0.0025026904
127382	1	0.0025026904
147514	1	0.0025026904
150096	1	0.0025026904



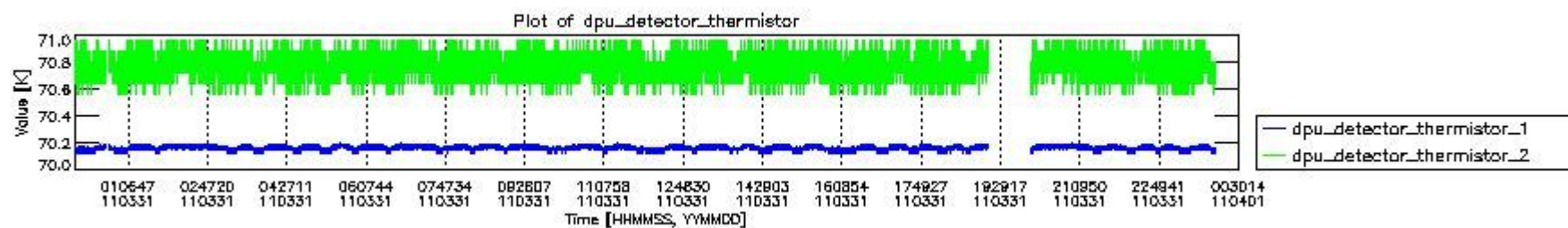
mipas_daily_report_level0_KSPT_L0_4504_N_20110331_0.PNG



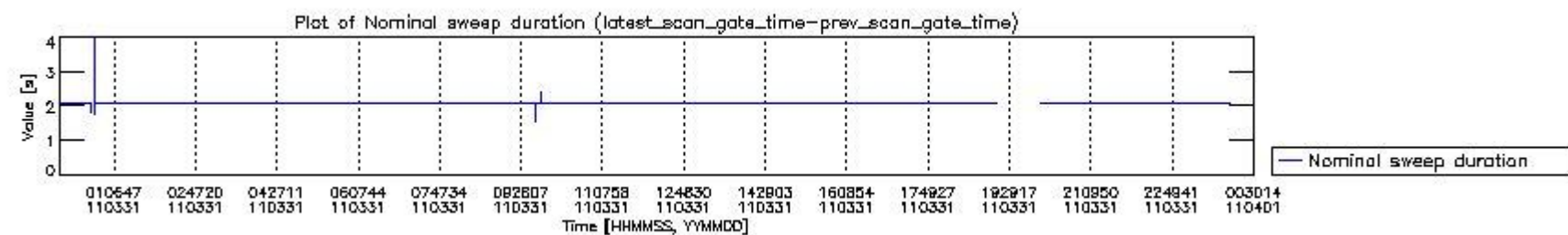
mipas_daily_report_level0_KSPT_L0_4504_N_20110331_1.PNG



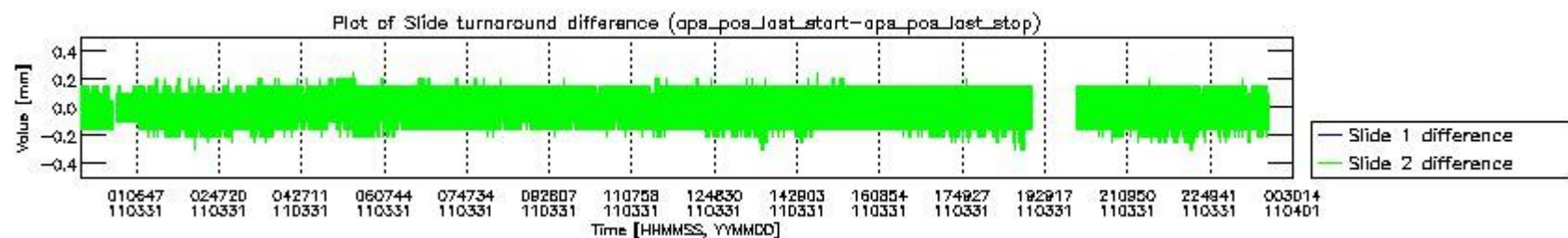
mipas_daily_report_level0_KSPT_L0_4504_N_20110331_2.PNG



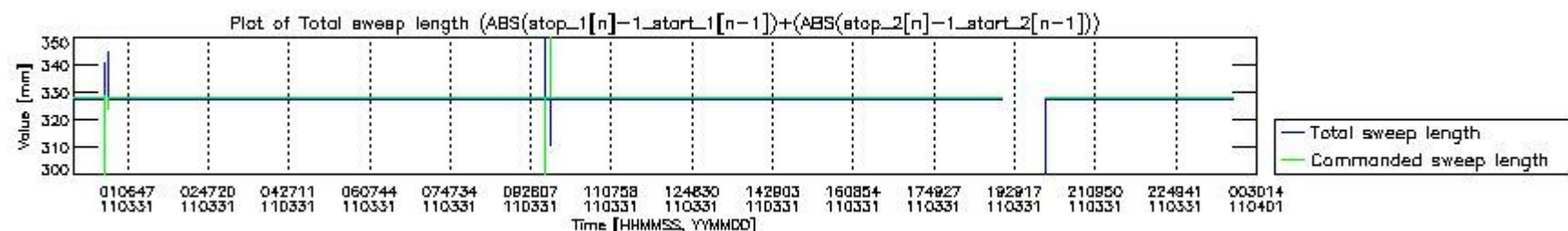
mipas_daily_report_level0_KSPT_L0_4504_N_20110331_3.PNG



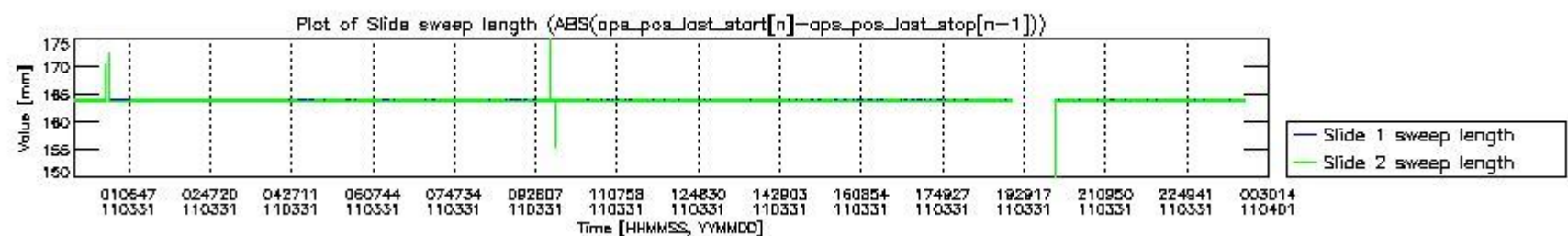
mipas_daily_report_level0_KSPT_L0_4504_N_20110331_4.PNG



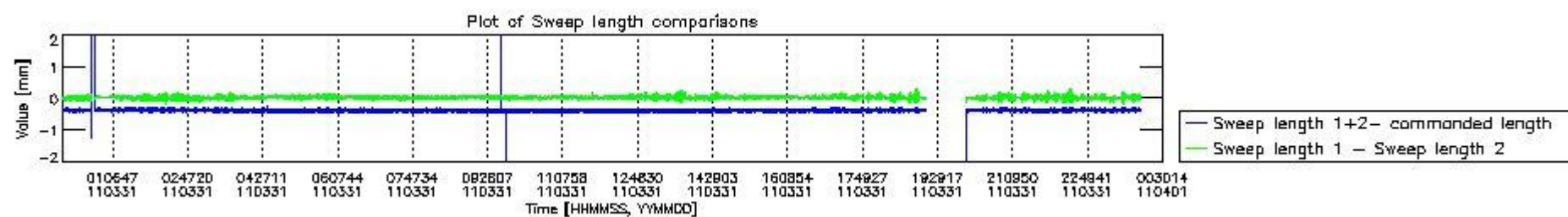
mipas_daily_report_level0_KSPT_L0_4504_N_20110331_5.PNG



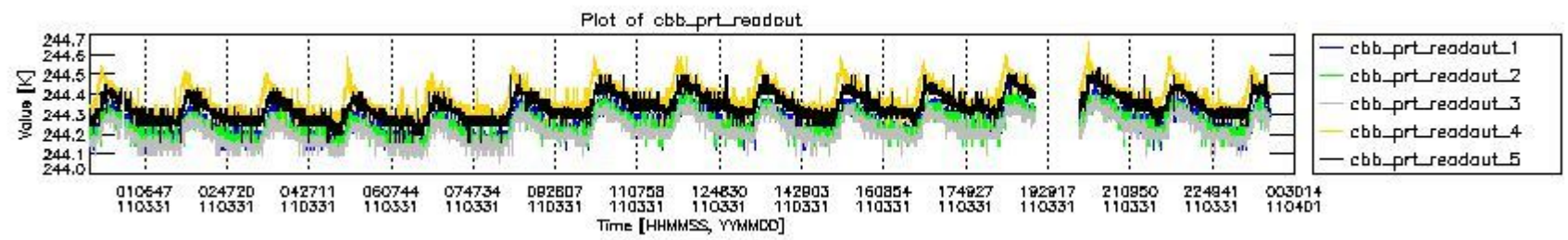
mipas_daily_report_level0_KSPT_L0_4504_N_20110331_6.PNG



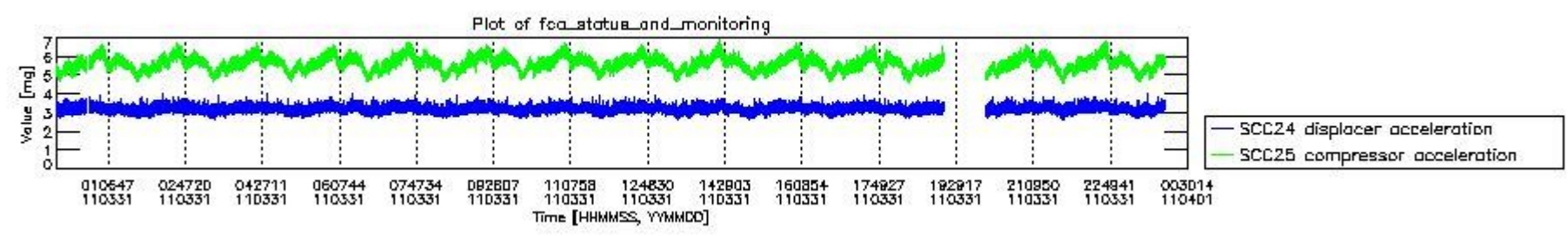
mipas_daily_report_level0_KSPT_L0_4504_N_20110331_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110331_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110331_9.PNG

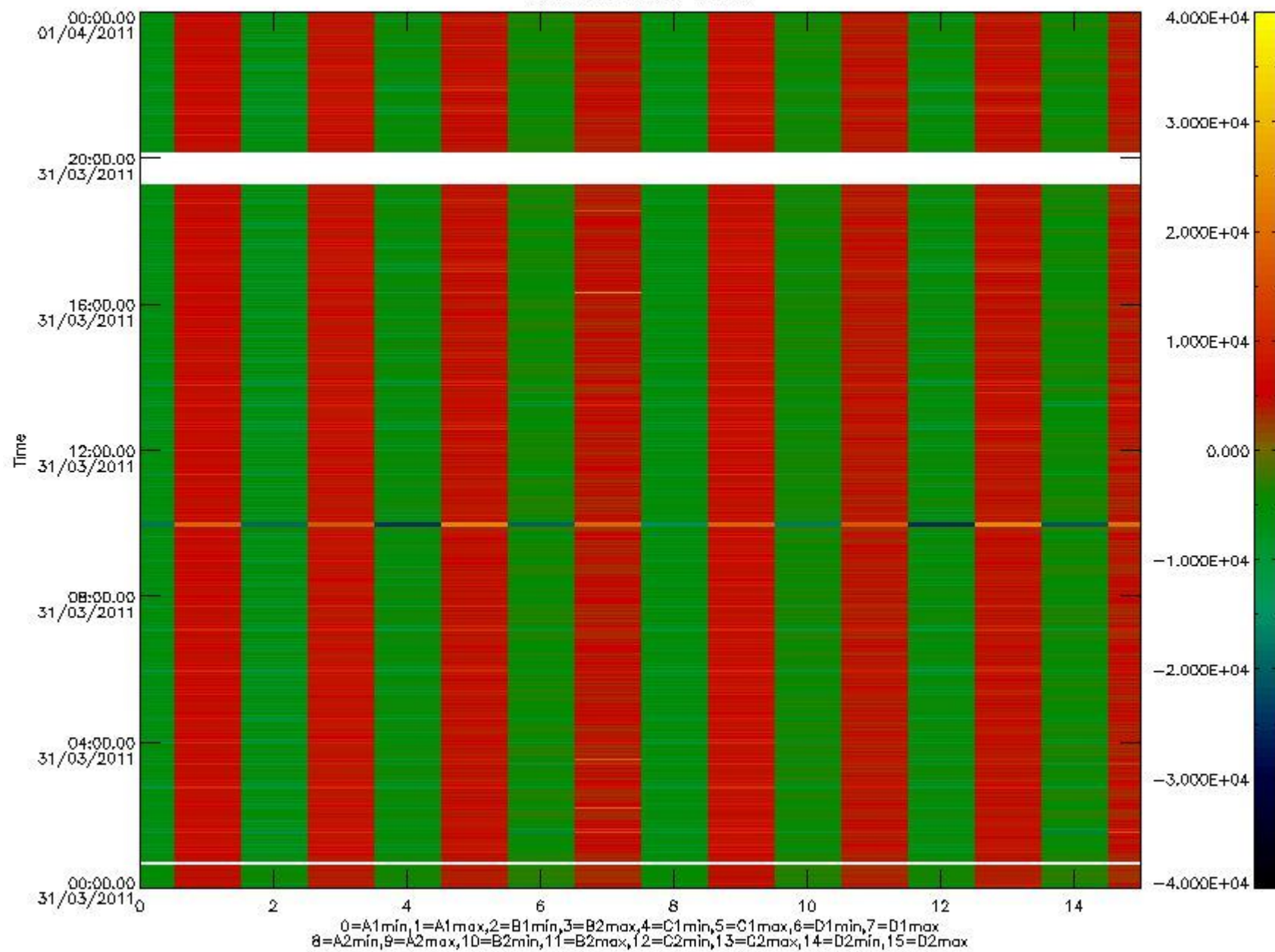


mipas_daily_report_level0_KSPT_L0_4504_N_20110331_10.PNG

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

Channel	Min	Max	ADC
A1	-17933	18979	16bit
B1	-20150	17373	16bit
C1	-24368	24321	16bit
D1	-32768	32767	16bit
A2	-15558	19163	16bit
B2	-18343	17976	16bit
C2	-25374	25003	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_20110331_11.PNG

0.3 ADF monitoring

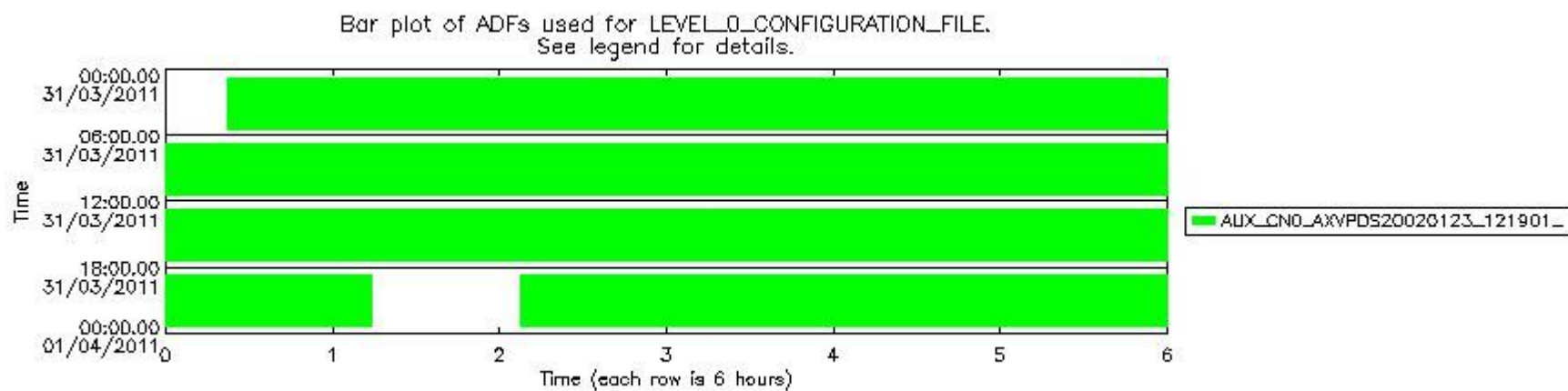
The use of ADFs is shown in two ways:

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.

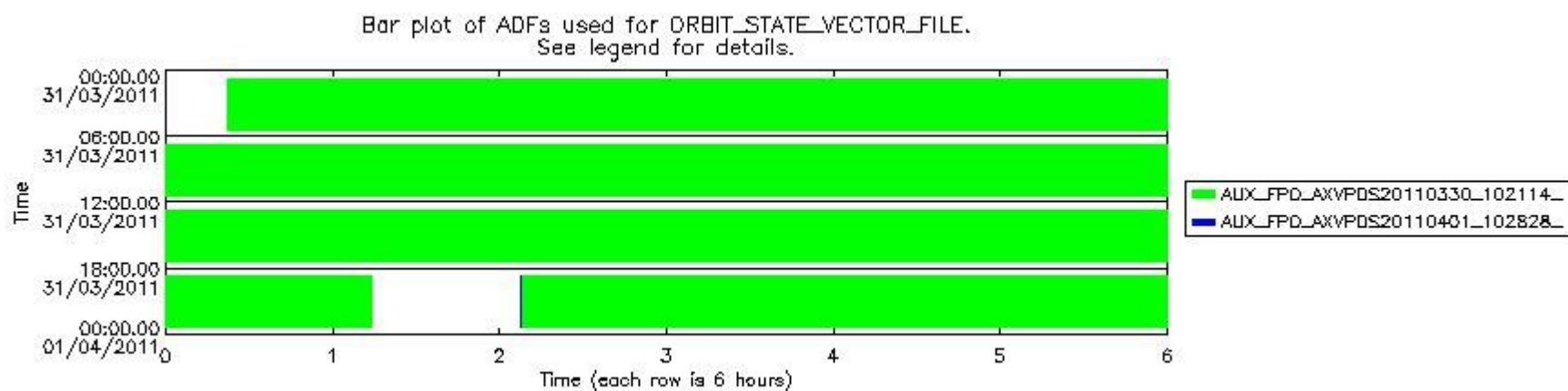
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110330_102114_20110329_183041_20110408_204430
2	AUX_FPO_AXVPDS20110401_102828_20110331_185727_20110410_211115

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

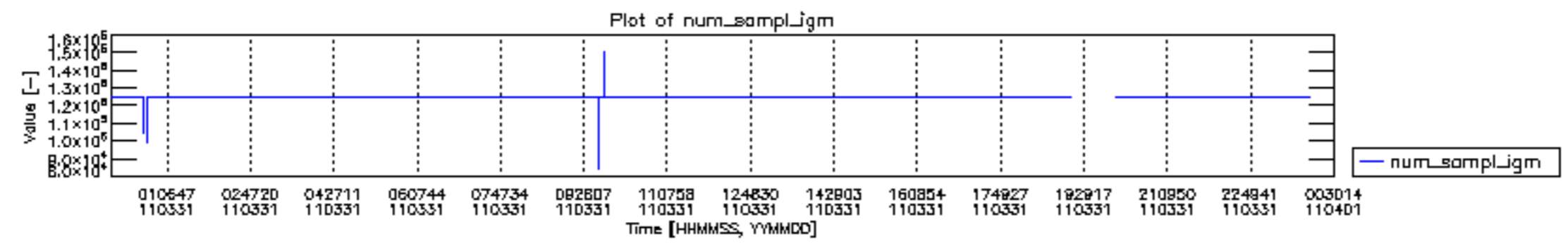
0	MIP_NL__0PNPDE20110331_002215_000059063101_00059_47487_3339.N1	0	1
1	MIP_NL__0PNPDE20110331_015936_000045673101_00060_47488_3340.N1	0	1
2	MIP_NL__0PNPDE20110331_031509_000061083101_00061_47489_3341.N1	0	1
3	MIP_NL__0PNPDE20110331_045624_000060353101_00062_47490_3342.N1	0	1
4	MIP_NL__0PNPDK20110331_063626_000040943101_00063_47491_4704.N1	0	1
5	MIP_NL__0PNPDK20110331_074407_000060813101_00064_47492_4705.N1	0	1
6	MIP_NL__0PNPDK20110331_092446_000060453101_00065_47493_4706.N1	0	1
7	MIP_NL__0PNPDK20110331_110451_000059983101_00066_47494_4707.N1	0	1
8	MIP_NL__0PNPDK20110331_124418_000058833101_00067_47495_4708.N1	0	1
9	MIP_NL__0PNPDK20110331_142130_000058453101_00068_47496_4709.N1	0	1
10	MIP_NL__0PNPDK20110331_155727_000059203101_00069_47497_4710.N1	0	1
11	MIP_NL__0PNPDK20110331_173513_000059273101_00070_47498_4711.N1	0	1
12	MIP_NL__0PNPDK20110331_200747_000027893101_00071_47499_4727.N1	0	2
13	MIP_NL__0PNPDK20110331_200800_000000213101_00071_47499_4717.N1	0	1
14	MIP_NL__0PNPDK20110331_200821_000000003101_00071_47499_4718.N1	0	1
15	MIP_NL__0PNPDK20110331_200829_000027473101_00071_47499_4722.N1	0	1
16	MIP_NL__0PNPDE20110331_205255_000043453101_00072_47500_3343.N1	0	1
17	MIP_NL__0PNPDE20110331_220419_000062363101_00072_47500_3344.N1	0	1
18	MIP_NL__0PNPDE20110331_234647_000060333101_00073_47501_3345.N1	0	1

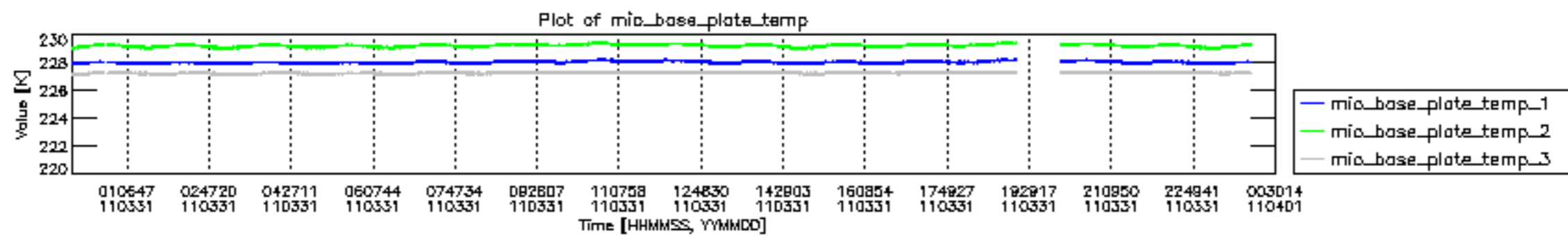


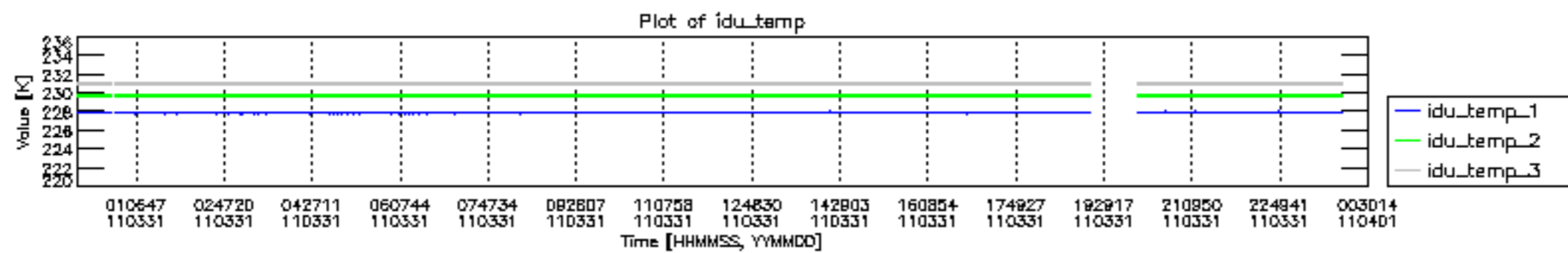
mipas_daily_report_level0_KSPT_L0_4504_N_20110331_12.PNG

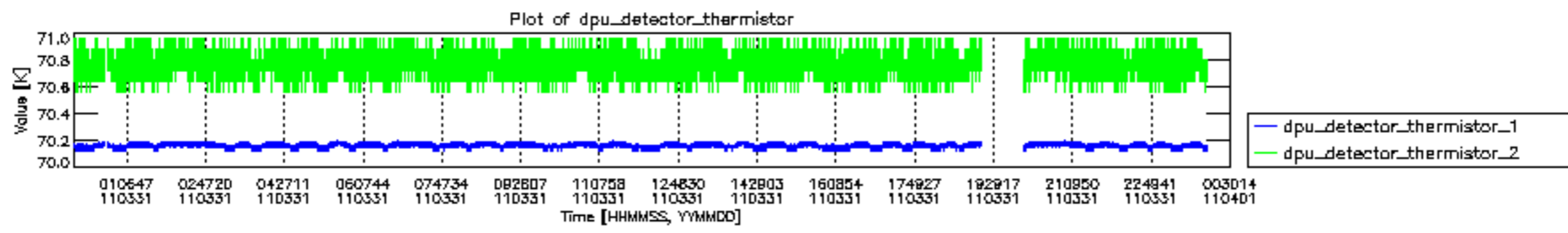


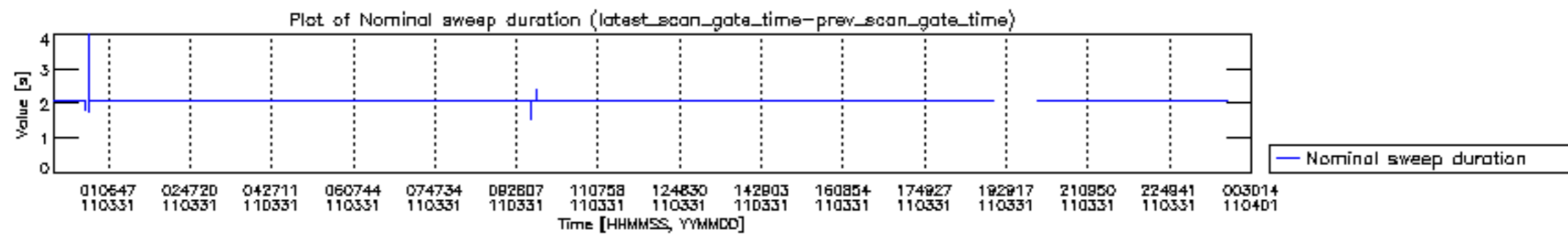
mipas_daily_report_level0_KSPT_L0_4504_N_20110331_13.PNG

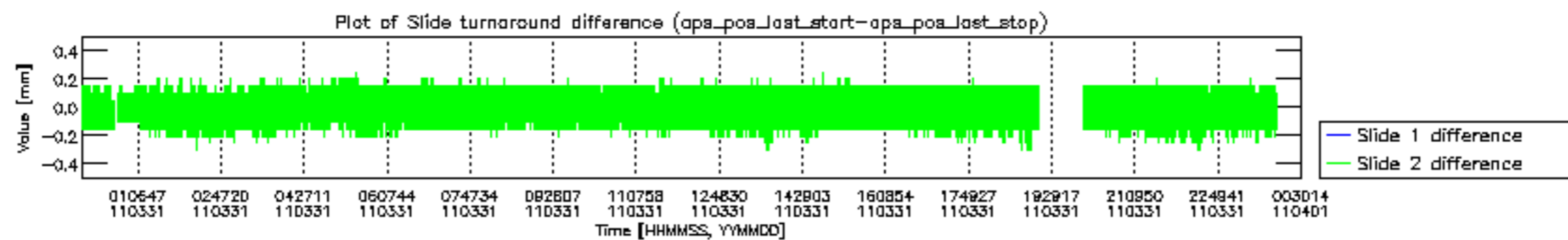


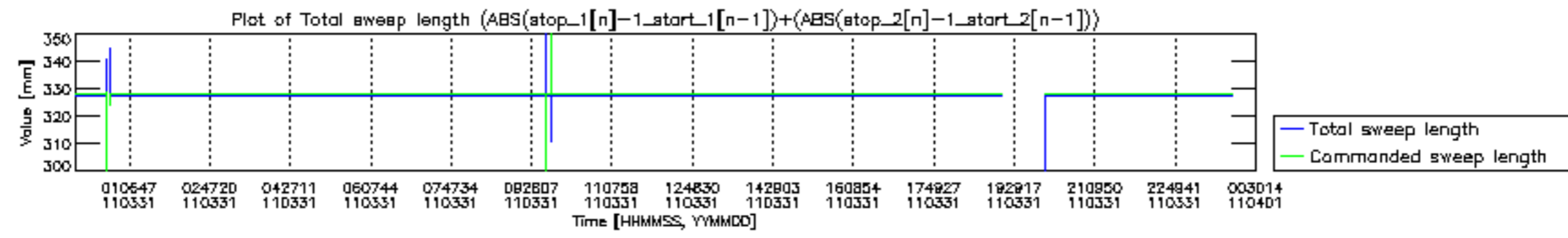


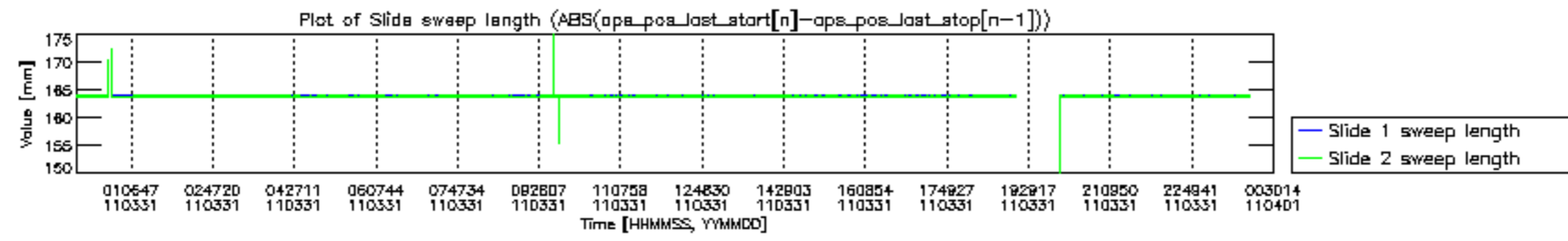


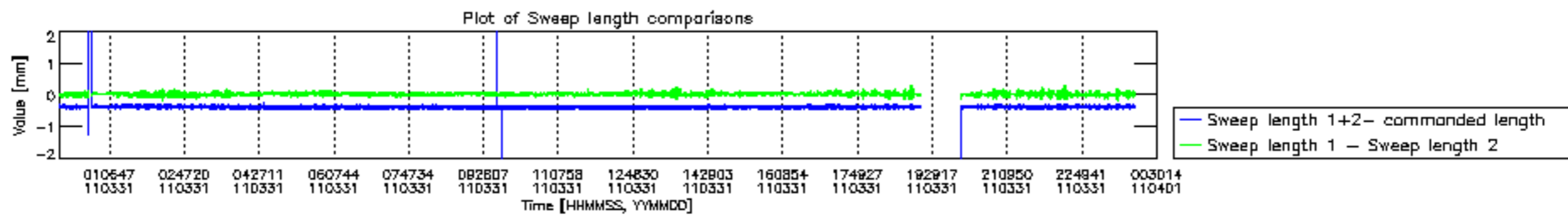


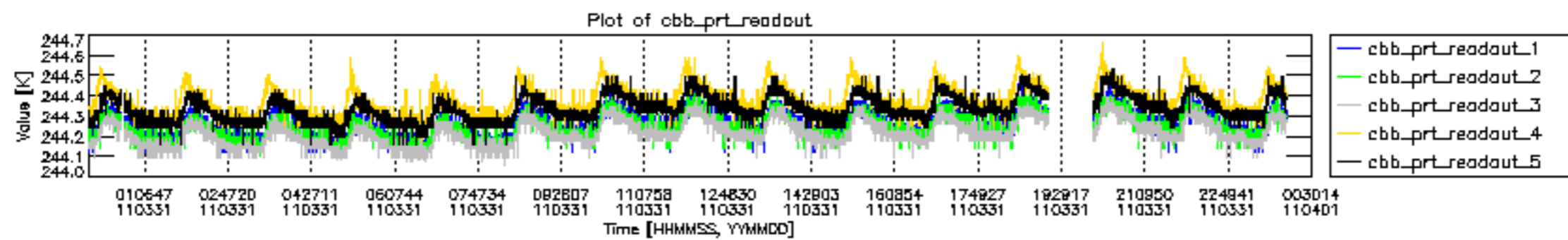


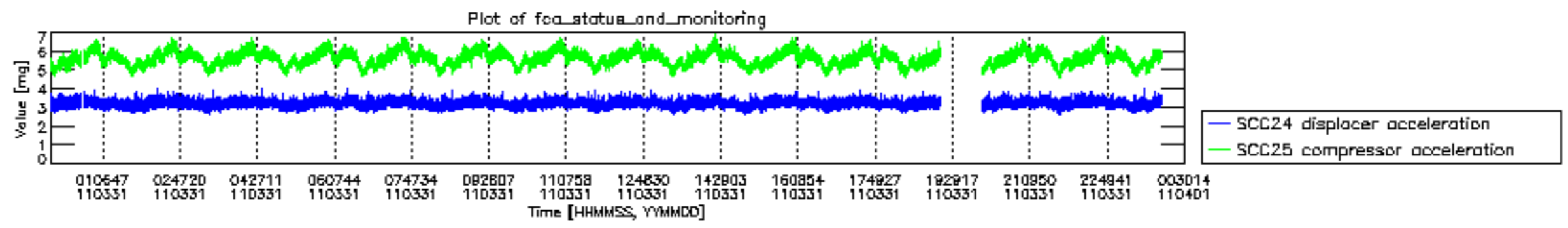












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

