

0. MIPAS Daily Report for level 0 products

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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	01MAY2011 05:24:19
Data source version	KSPT_L0/4504-N
Processing scope for products	26APR2011 00:00:00 to 27APR2011 00:00:00
Start time of first product within scope	26APR2011 01:10:19
Stop time of last product within scope	27APR2011 00:34:10
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__0PNPDE20110426_011019_000008193102_00002_47861_3511.N1	26APR2011 01:10:19	26APR2011 01:23:58	0	0	0	0	0
1	MIP_NL__0PNPDE20110426_043924_000038613102_00004_47863_3512.N1	26APR2011 04:39:24	26APR2011 05:43:45	0	0	0	0	0
2	MIP_NL__0PNPDE20110426_054312_000061133102_00005_47864_3513.N1	26APR2011 05:43:12	26APR2011 07:25:05	0	0	0	0	0
3	MIP_NL__0PNPDK20110426_072421_000040303102_00006_47865_4956.N1	26APR2011 07:24:21	26APR2011 08:31:30	0	0	0	0	0
4	MIP_NL__0PNPDK20110426_083057_000061233102_00007_47866_4957.N1	26APR2011 08:30:57	26APR2011 10:13:00	0	0	0	0	0
5	MIP_NL__0PNPDK20110426_101220_000059933102_00008_47867_4958.N1	26APR2011 10:12:20	26APR2011 11:52:14	0	0	0	0	0
6	MIP_NL__0PNPDK20110426_115132_000059473102_00009_47868_4959.N1	26APR2011 11:51:32	26APR2011 13:30:39	0	0	0	0	0
7	MIP_NL__0PNPDK20110426_133008_000058533102_00010_47869_4960.N1	26APR2011 13:30:08	26APR2011 15:07:41	0	0	0	0	0
8	MIP_NL__0PNPDK20110426_150700_000058333102_00011_47870_4961.N1	26APR2011 15:07:00	26APR2011 16:44:12	0	0	0	0	0
9	MIP_NL__0PNPDK20110426_164316_000059333102_00012_47871_4962.N1	26APR2011 16:43:16	26APR2011 18:22:09	0	0	0	0	0
10	MIP_NL__0PNPDK20110426_182106_000060923102_00013_47872_4963.N1	26APR2011 18:21:06	26APR2011 20:02:38	0	0	0	0	0
11	MIP_NL__0PNPDE20110426_200110_000040403102_00014_47873_3514.N1	26APR2011 20:01:10	26APR2011 21:08:30	0	0	0	0	0
12	MIP_NL__0PNPDE20110426_210732_000063883102_00014_47873_3515.N1	26APR2011 21:07:32	26APR2011 22:54:00	0	0	0	0	0
13	MIP_NL__0PNPDE20110426_225301_000060693102_00015_47874_3516.N1	26APR2011 22:53:01	27APR2011 00:34:10	0	0	0	0	0

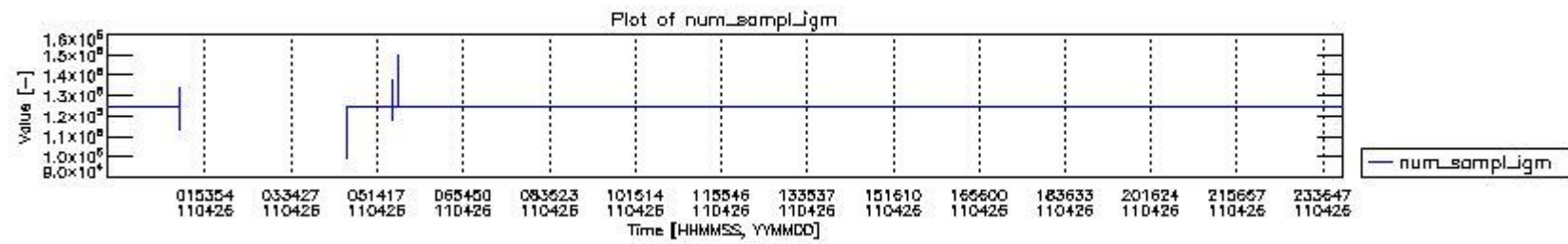
0.2 Instrument Operational Performance Parameters

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.

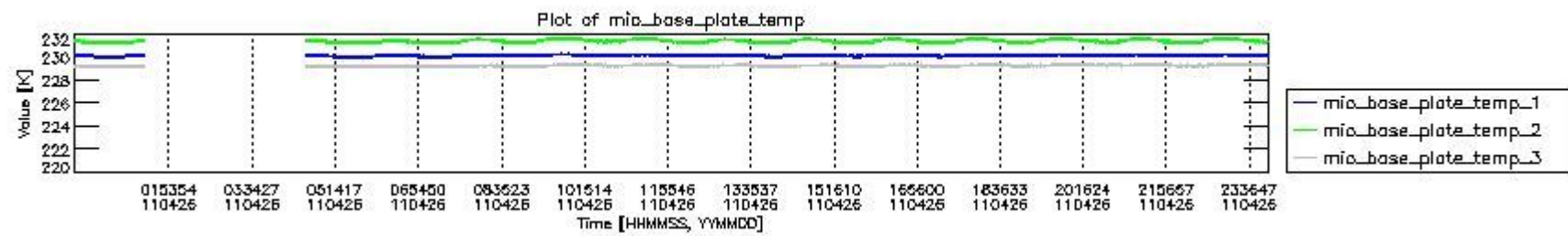
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99145	1	0.0027766209
113331	1	0.0027766209
117718	1	0.0027766209
121994	1	0.0027766209

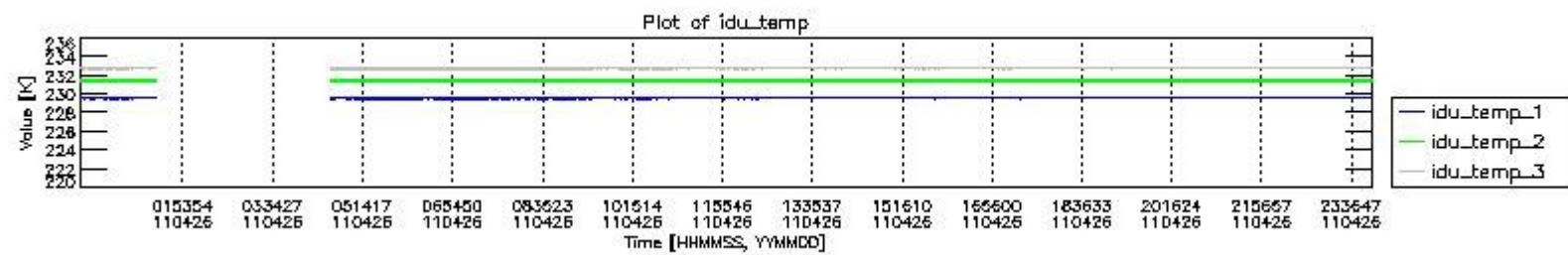
123994	1	0.0027766209
124397	1	0.0027766209
124800	33453	92.886297
124803	2550	7.0803832
127382	1	0.0027766209
130768	1	0.0027766209
133463	1	0.0027766209
137850	1	0.0027766209
147514	1	0.0027766209
150096	1	0.0027766209



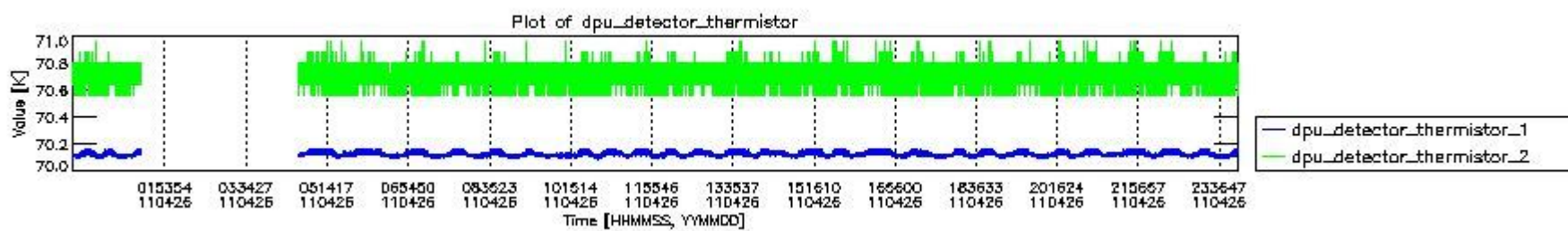
mipas_daily_report_level0_KSPT_L0_4504_N_20110426_0.PNG



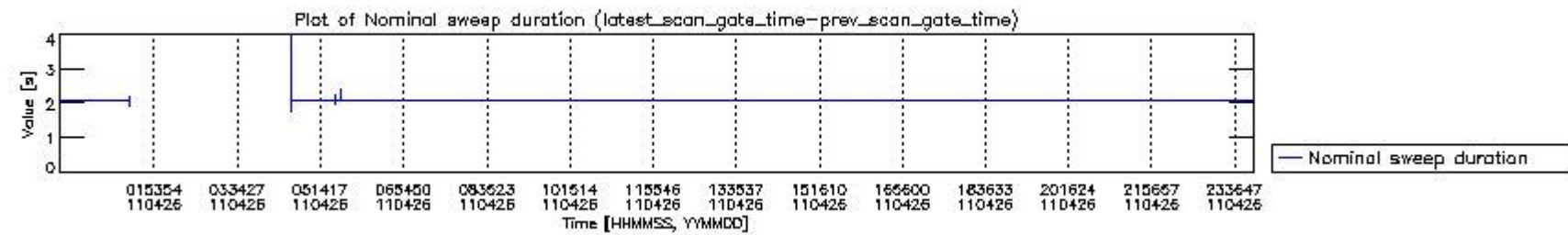
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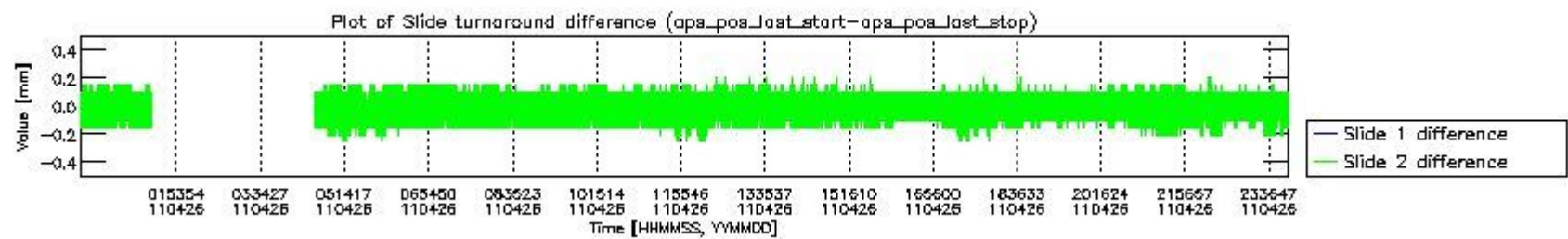
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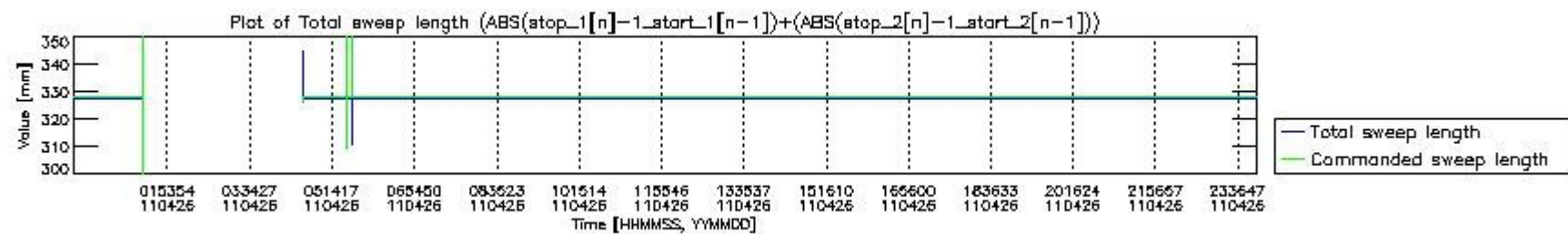
mipas_daily_report_level0_KSPT_L0_4504_N_20110426_3.PNG



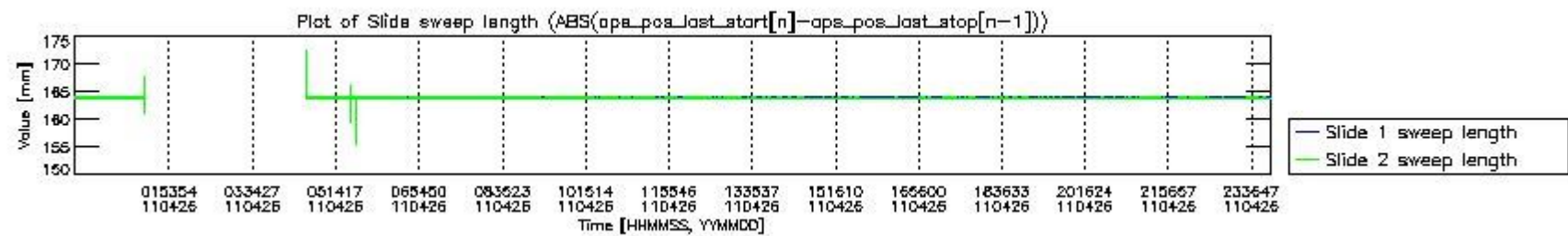
mipas_daily_report_level0_KSPT_L0_4504_N_20110426_4.PNG



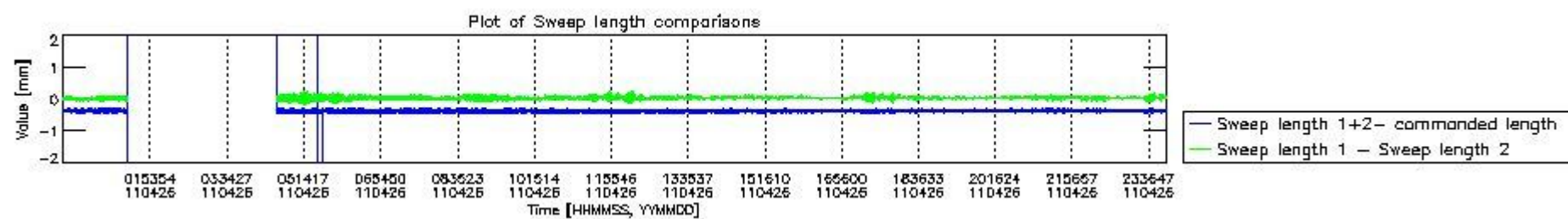
mipas_daily_report_level0_KSPT_L0_4504_N_20110426_5.PNG



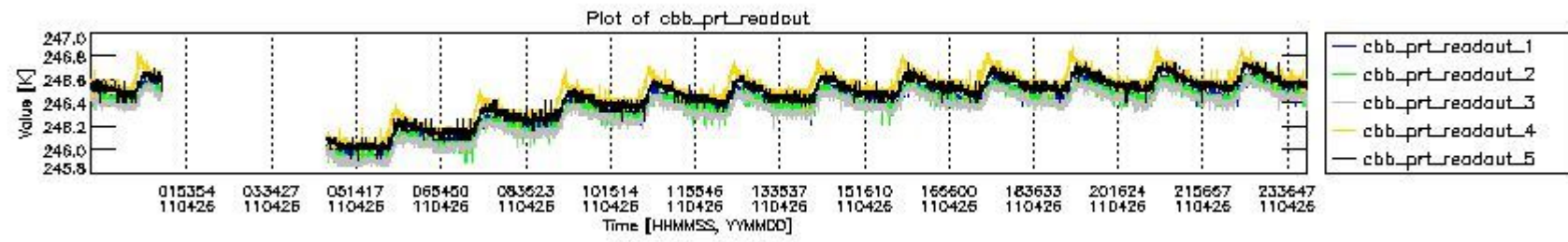
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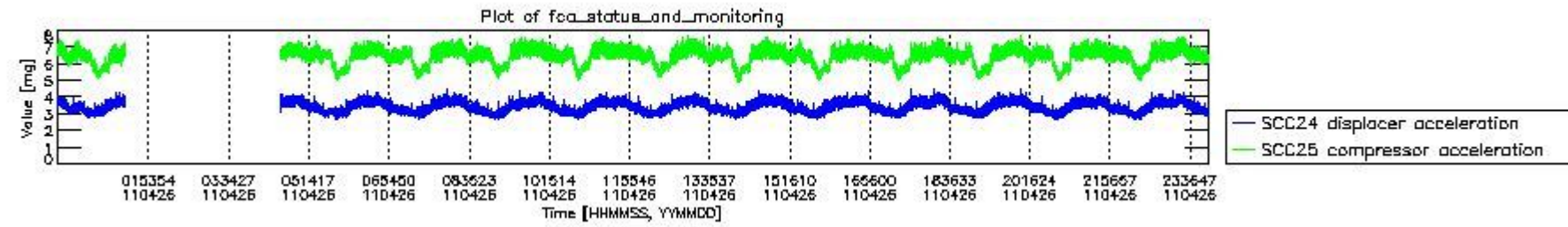
mipas_daily_report_level0_KSPT_L0_4504_N_20110426_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110426_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110426_9.PNG

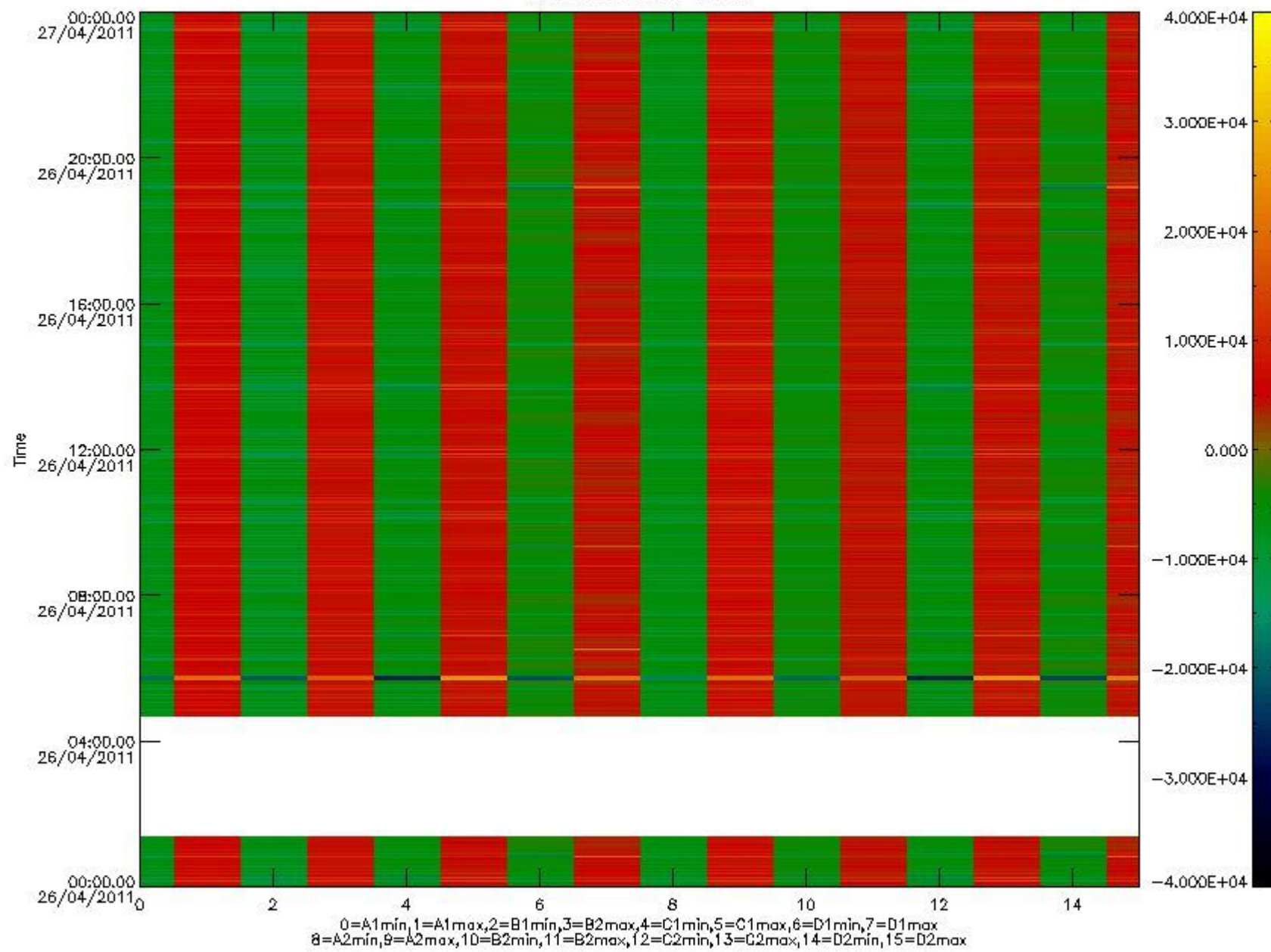


mipas_daily_report_level0_KSPT_L0_4504_N_20110426_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-26075	25983	16bit
D1	-32768	32767	16bit
A2	-32768	28239	16bit
B2	-32768	32767	16bit
C2	-27140	26759	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_20110426_11.PNG

0.3 ADF monitoring

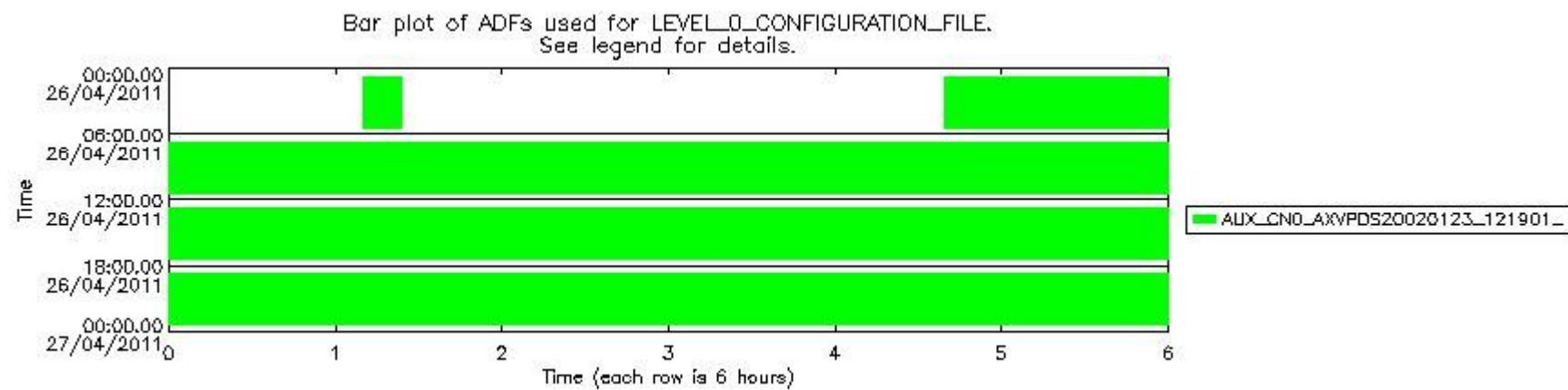
The use of ADFs is shown in two ways:

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.

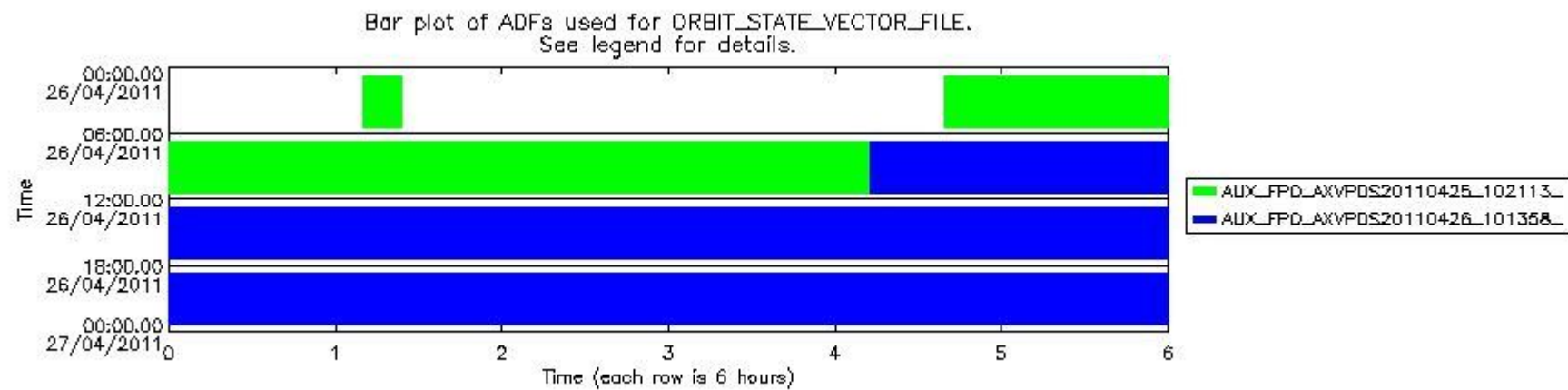
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110425_102113_20110424_191754_20110504_213142
2	AUX_FPO_AXVPDS20110426_101358_20110425_184110_20110505_205458

Number	Product name	#CN0	#FPO
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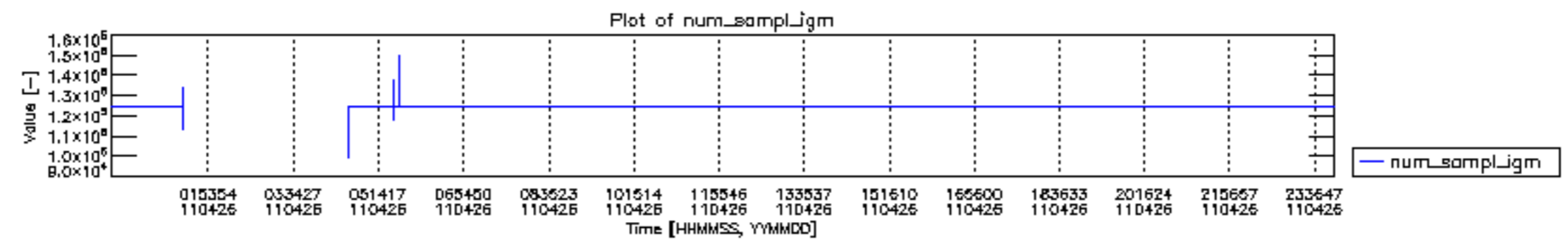
0	MIP_NL__0PNPDE20110426_011019_000008193102_00002_47861_3511.N1	0	1
1	MIP_NL__0PNPDE20110426_043924_000038613102_00004_47863_3512.N1	0	1
2	MIP_NL__0PNPDE20110426_054312_000061133102_00005_47864_3513.N1	0	1
3	MIP_NL__0PNPDK20110426_072421_000040303102_00006_47865_4956.N1	0	1
4	MIP_NL__0PNPDK20110426_083057_000061233102_00007_47866_4957.N1	0	1
5	MIP_NL__0PNPDK20110426_101220_000059933102_00008_47867_4958.N1	0	2
6	MIP_NL__0PNPDK20110426_115132_000059473102_00009_47868_4959.N1	0	2
7	MIP_NL__0PNPDK20110426_133008_000058533102_00010_47869_4960.N1	0	2
8	MIP_NL__0PNPDK20110426_150700_000058333102_00011_47870_4961.N1	0	2
9	MIP_NL__0PNPDK20110426_164316_000059333102_00012_47871_4962.N1	0	2
10	MIP_NL__0PNPDK20110426_182106_000060923102_00013_47872_4963.N1	0	2
11	MIP_NL__0PNPDE20110426_200110_000040403102_00014_47873_3514.N1	0	2
12	MIP_NL__0PNPDE20110426_210732_000063883102_00014_47873_3515.N1	0	2
13	MIP_NL__0PNPDE20110426_225301_000060693102_00015_47874_3516.N1	0	2

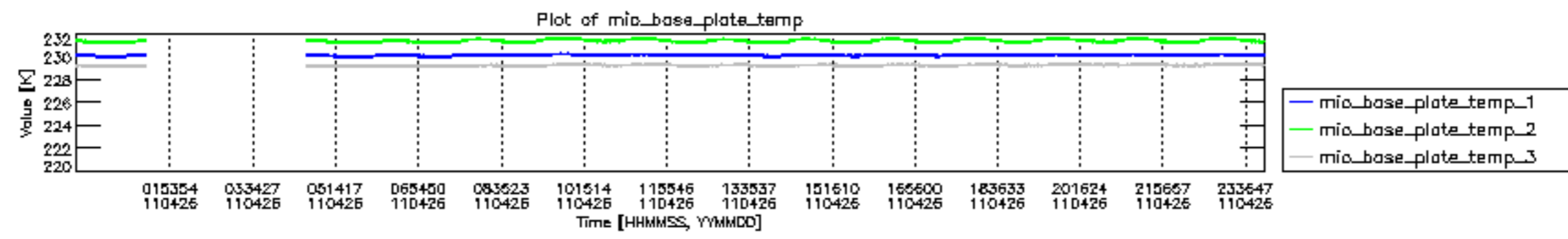


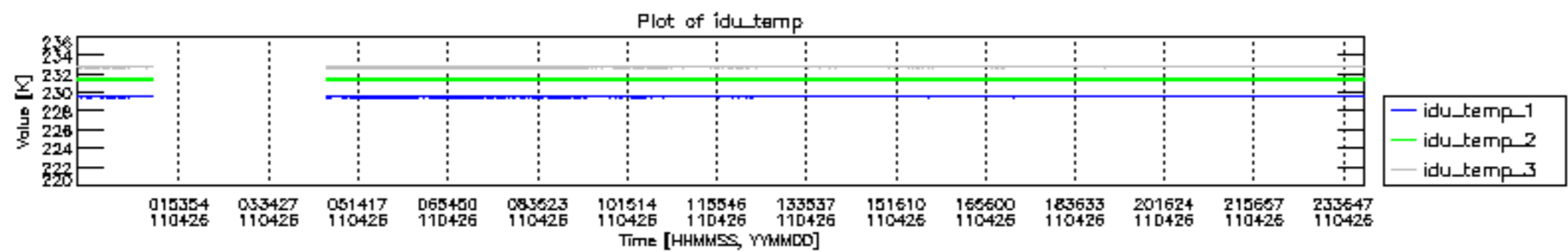
mipas_daily_report_level0_KSPT_L0_4504_N_20110426_12.PNG

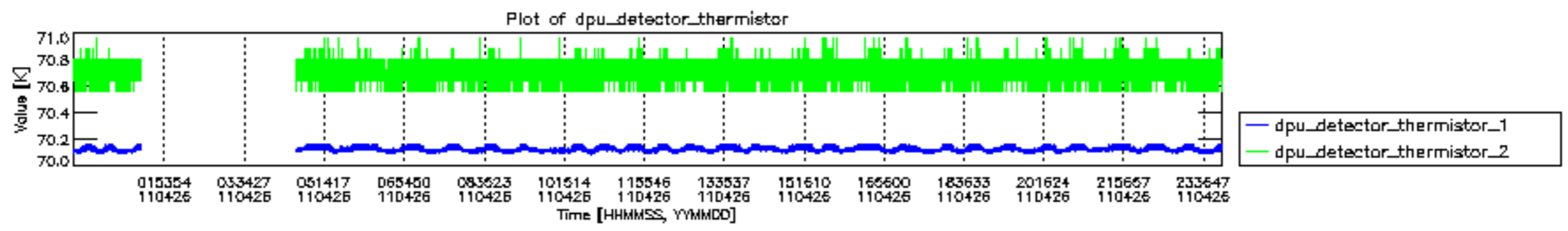


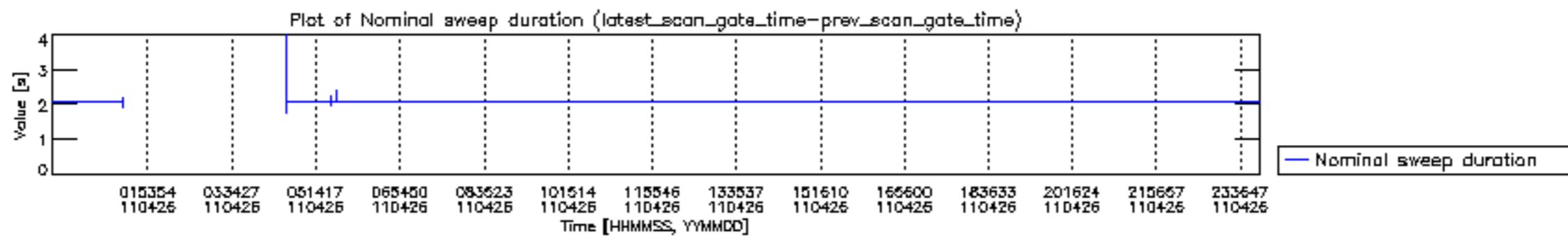
mipas_daily_report_level0_KSPT_L0_4504_N_20110426_13.PNG

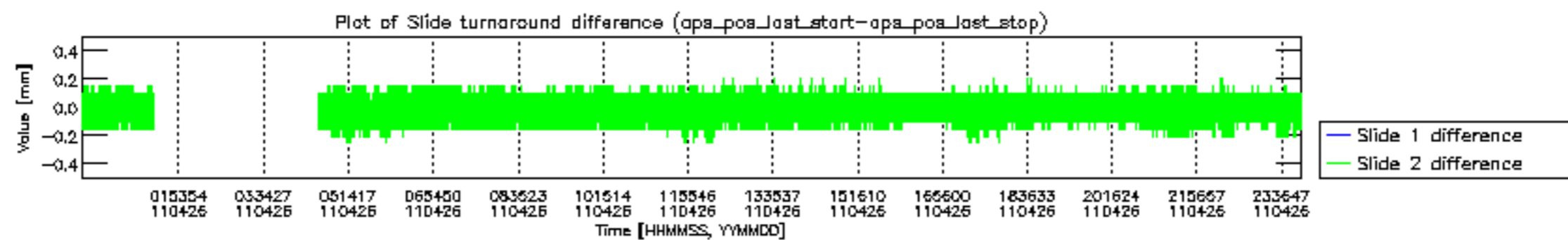


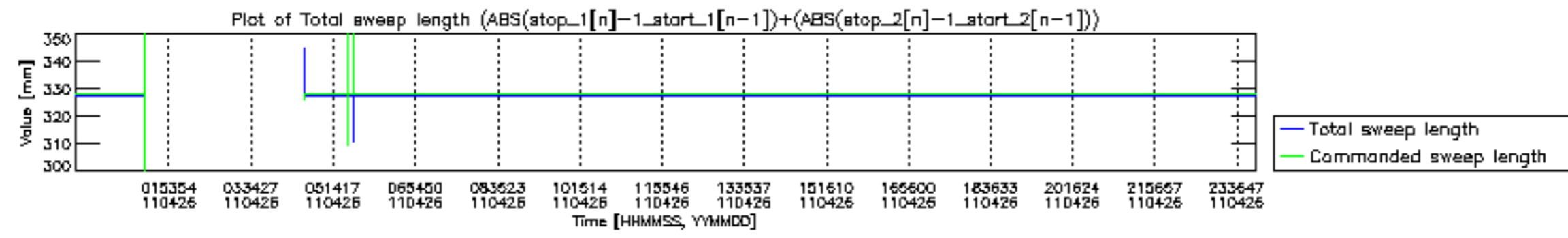


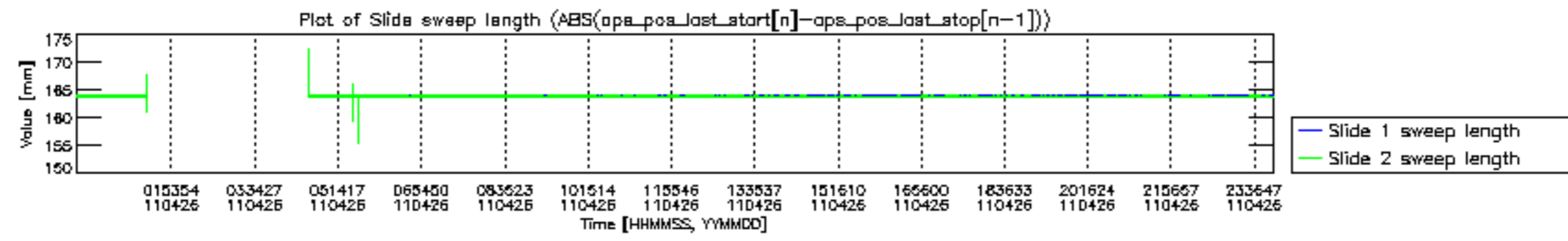


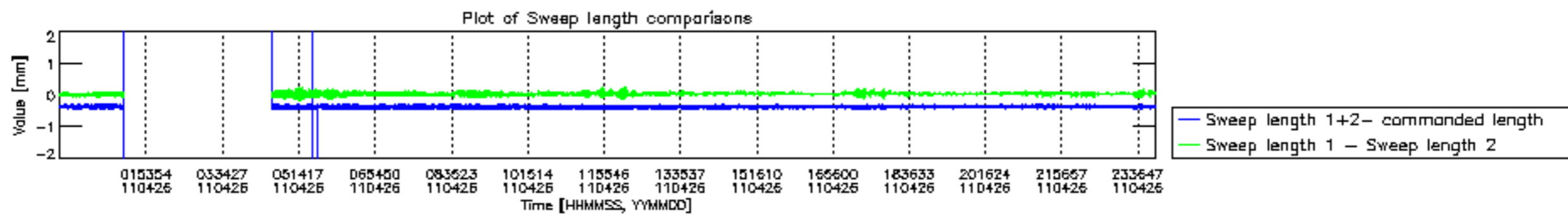


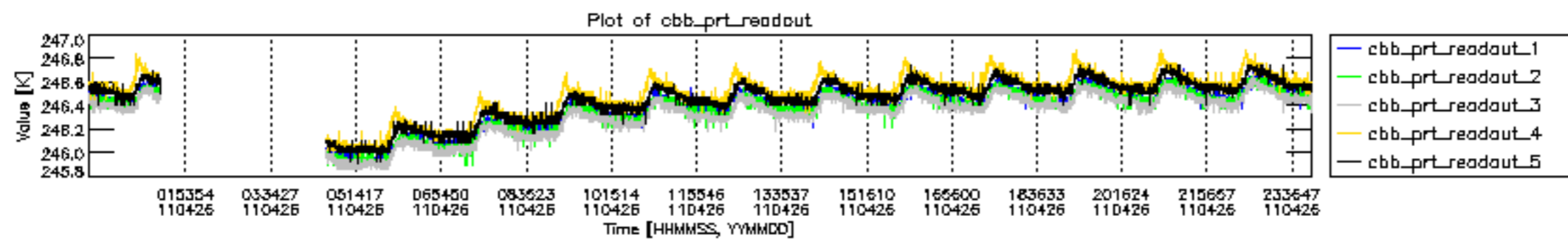


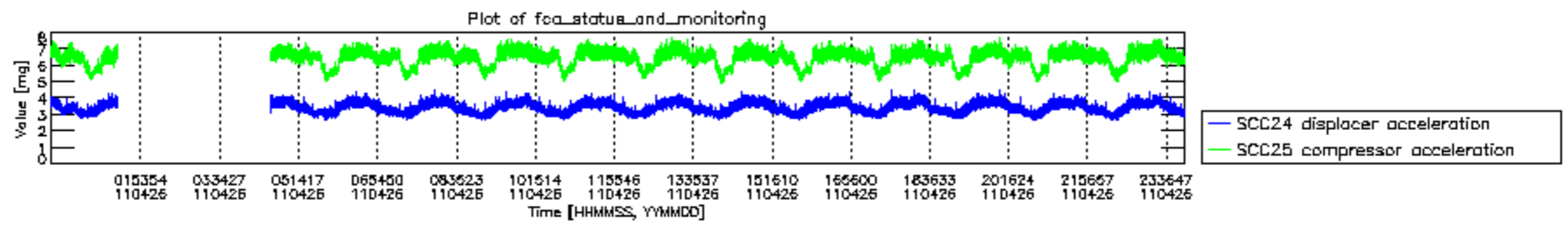












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

