

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	23APR2011 05:25:15
Data source version	KSPT_L0/4504-N
Processing scope for products	18APR2011 00:00:00 to 19APR2011 00:00:00
Start time of first product within scope	18APR2011 01:03:38
Stop time of last product within scope	19APR2011 00:29:01
Total number of level 0 products	13
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__0PNPDE20110418_010338_000102783101_00318_47746_3454.N1	18APR2011 01:03:38	18APR2011 03:54:55	0	0	0	0	0
1	MIP_NL__0PNPDE20110418_035422_000062043101_00320_47748_3455.N1	18APR2011 03:54:22	18APR2011 05:37:46	0	0	0	0	0
2	MIP_NL__0PNPDE20110418_053711_000047093101_00321_47749_3456.N1	18APR2011 05:37:11	18APR2011 06:55:39	0	0	0	0	0
3	MIP_NL__0PNPDE20110418_065539_000013453101_00322_47750_3457.N1	18APR2011 06:55:39	18APR2011 07:18:05	0	0	0	0	0
4	MIP_NL__0PNPDK20110418_100541_000059223101_00324_47752_4884.N1	18APR2011 10:05:41	18APR2011 11:44:24	0	0	0	0	0
5	MIP_NL__0PNPDK20110418_114340_000060353101_00325_47753_4885.N1	18APR2011 11:43:40	18APR2011 13:24:15	0	0	0	0	0
6	MIP_NL__0PNPDK20110418_132340_000058813101_00326_47754_4886.N1	18APR2011 13:23:40	18APR2011 15:01:40	0	0	0	0	0
7	MIP_NL__0PNPDK20110418_150109_000058393101_00327_47755_4887.N1	18APR2011 15:01:09	18APR2011 16:38:28	0	0	0	0	0
8	MIP_NL__0PNPDK20110418_163708_000059603101_00328_47756_4888.N1	18APR2011 16:37:08	18APR2011 18:16:28	0	0	0	0	0
9	MIP_NL__0PNPDK20110418_181530_000059293101_00329_47757_4889.N1	18APR2011 18:15:30	18APR2011 19:54:19	0	0	0	0	0
10	MIP_NL__0PNPDE20110418_195253_000041953101_00330_47758_3458.N1	18APR2011 19:52:53	18APR2011 21:02:48	0	0	0	0	0
11	MIP_NL__0PNPDE20110418_210147_000064113101_00330_47758_3459.N1	18APR2011 21:01:47	18APR2011 22:48:38	0	0	0	0	0
12	MIP_NL__0PNPDE20110418_224738_000060833101_00331_47759_3460.N1	18APR2011 22:47:38	19APR2011 00:29:01	0	0	0	0	0

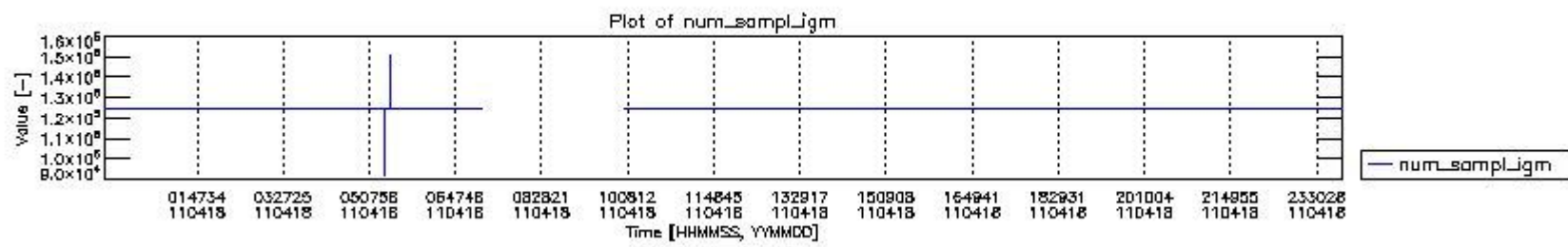
0.2 Instrument Operational Performance Parameters

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.

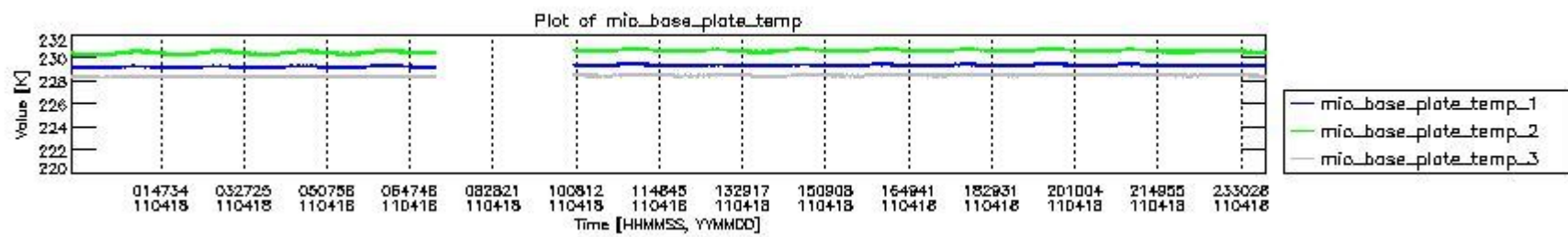
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
91812	1	0.0027235341
98240	1	0.0027235341
118372	1	0.0027235341
124800	34110	92.899747
124803	2601	7.0839121

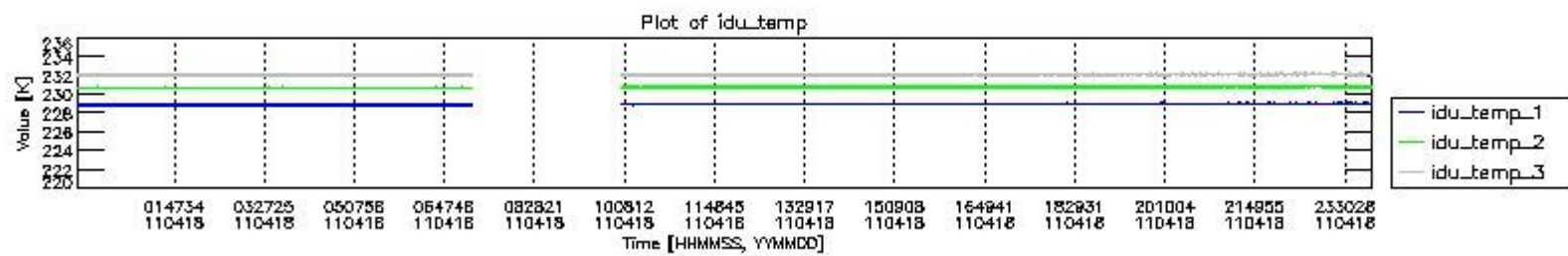
127456	1	0.0027235341
147588	1	0.0027235341
150244	1	0.0027235341



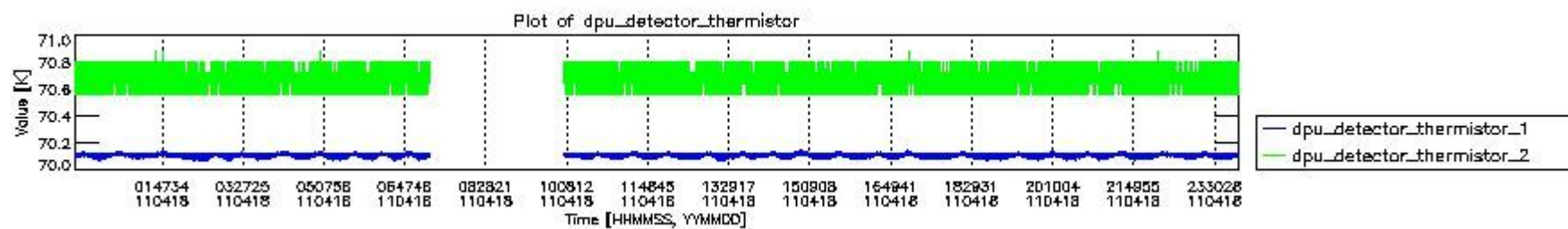
mipas_daily_report_level0_KSPT_L0_4504_N_20110418_0.PNG



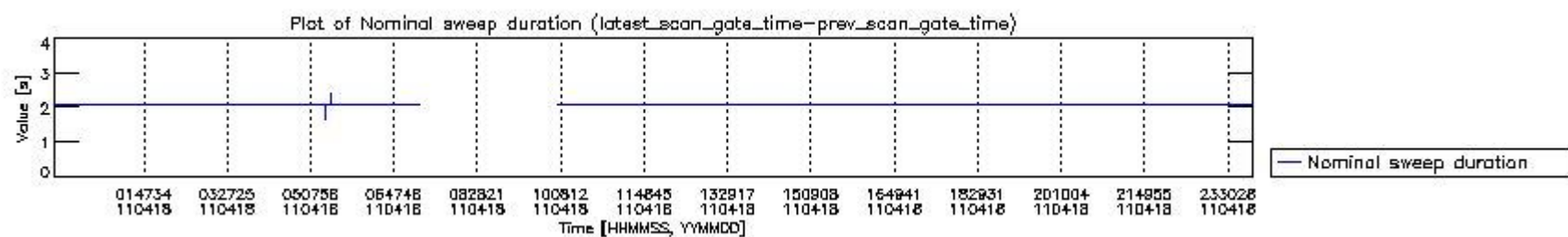
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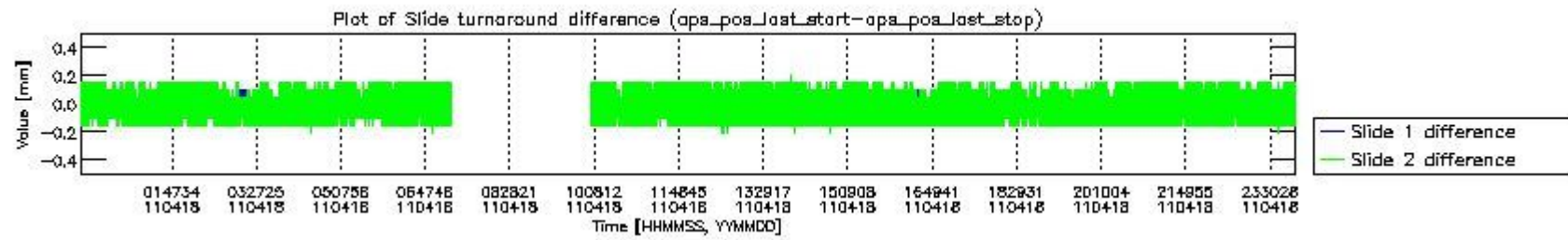
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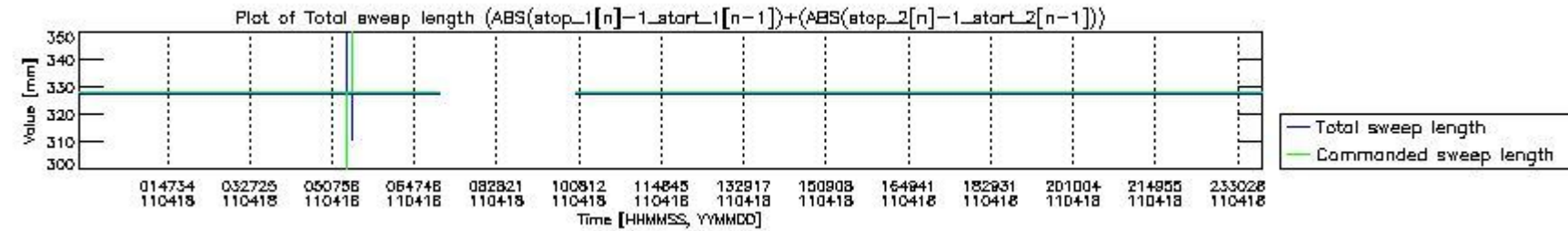
mipas_daily_report_level0_KSPT_L0_4504_N_20110418_3.PNG



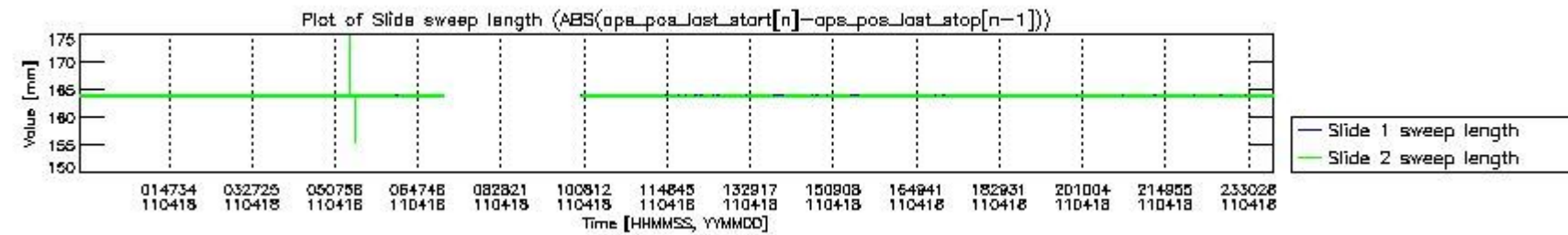
mipas_daily_report_level0_KSPT_L0_4504_N_20110418_4.PNG



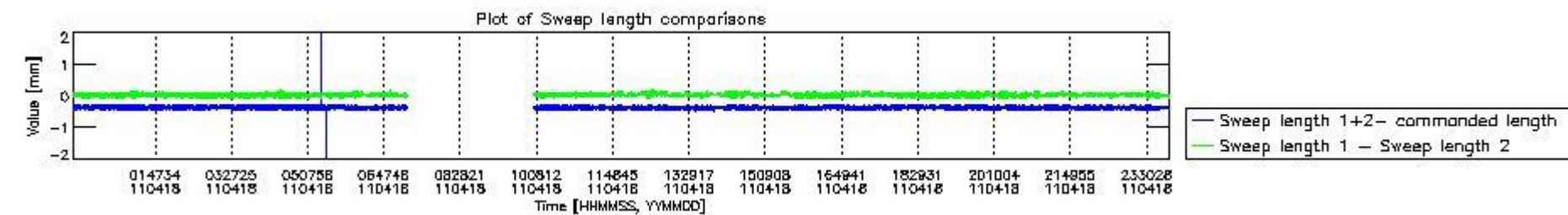
mipas_daily_report_level0_KSPT_L0_4504_N_20110418_5.PNG



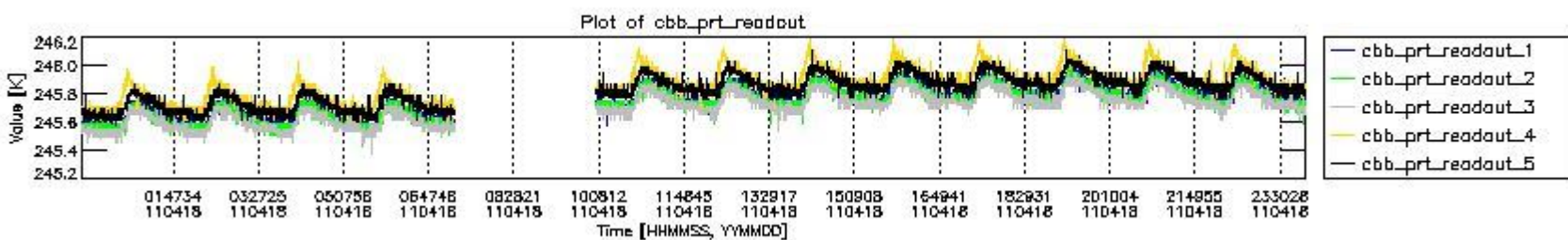
mipas_daily_report_level0_KSPT_L0_4504_N_20110418_6.PNG



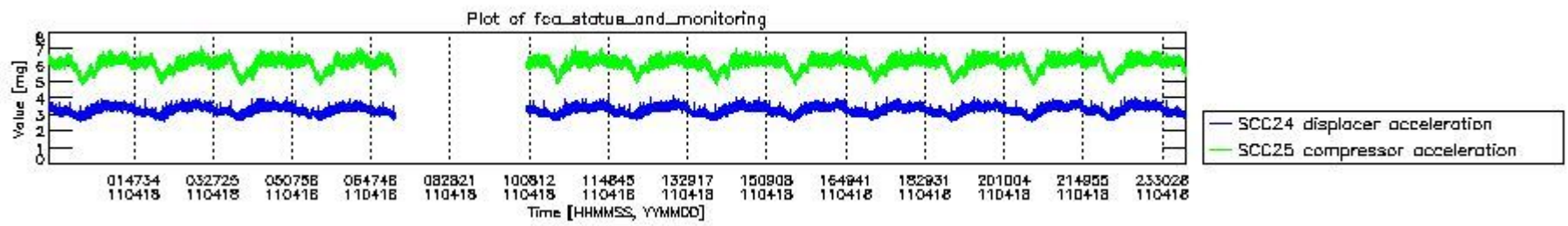
mipas_daily_report_level0_KSPT_L0_4504_N_20110418_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110418_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110418_9.PNG

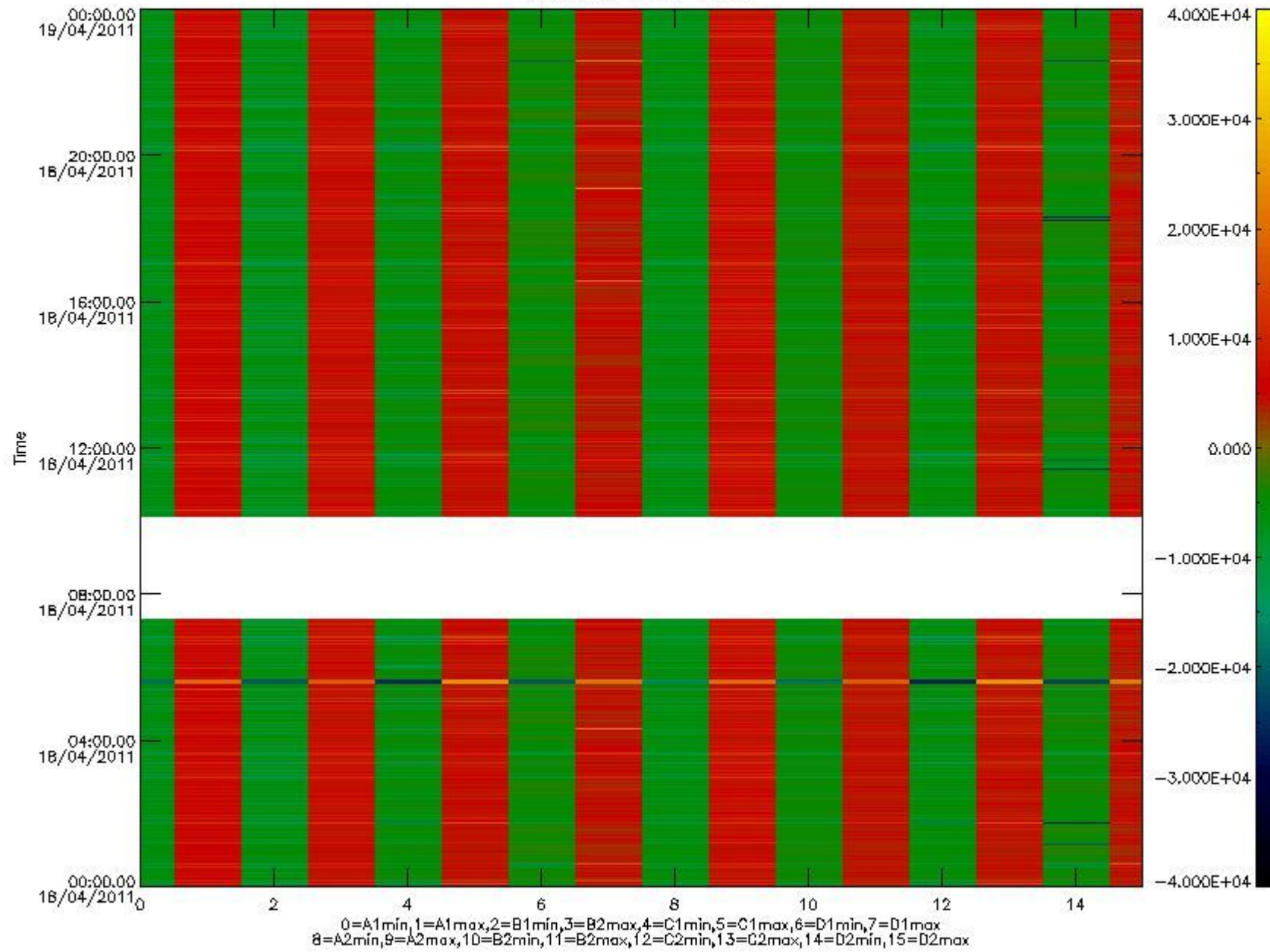


mipas_daily_report_level0_KSPT_L0_4504_N_20110418_10.PNG

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

Channel	Min	Max	ADC
A1	-18861	20263	16bit
B1	-21230	18042	16bit
C1	-25645	25586	16bit
D1	-32768	32767	16bit
A2	-16248	20376	16bit
B2	-19649	18950	16bit
C2	-26689	26312	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_20110418_11.PNG

0.3 ADF monitoring

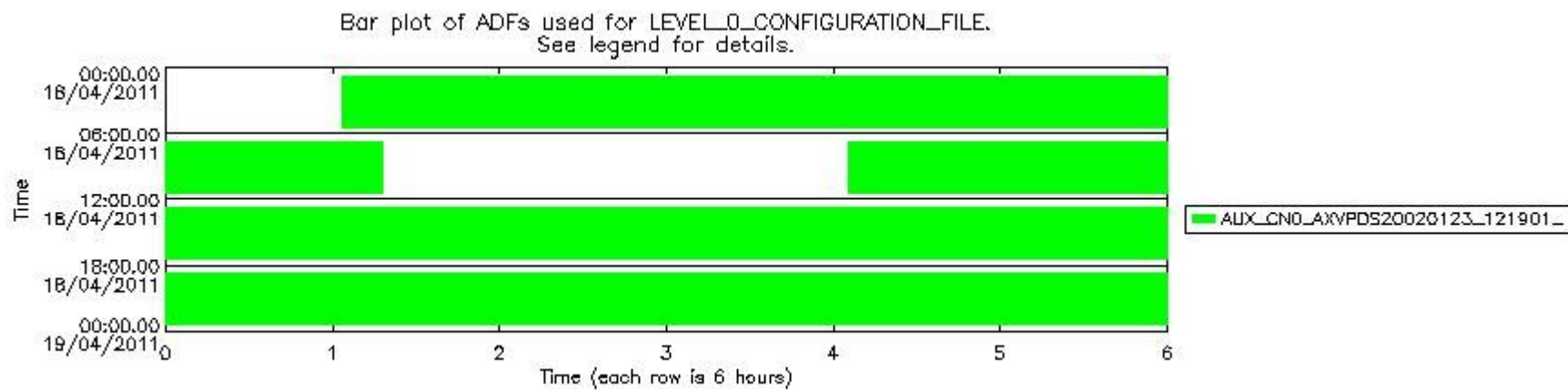
The use of ADFs is shown in two ways:

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.

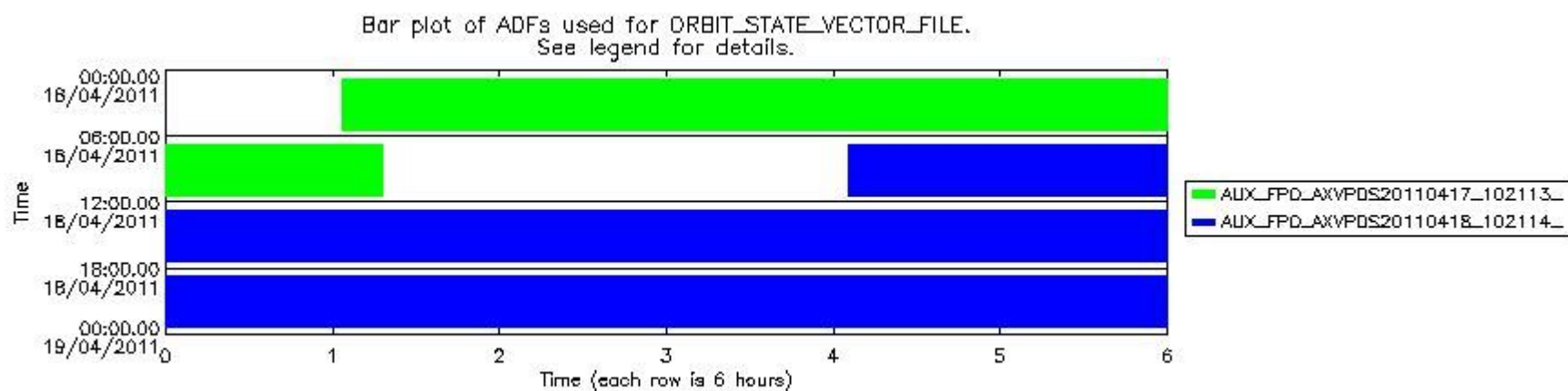
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110417_102113_20110416_191105_20110426_212454
2	AUX_FPO_AXVPDS20110418_102114_20110417_183421_20110427_204810

Number	Product name	#CN0	#FPO
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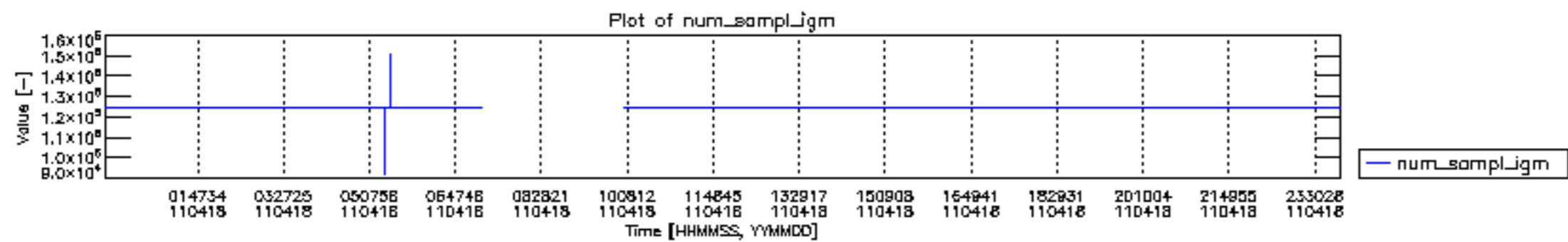
0	MIP_NL__0PNPDE20110418_010338_000102783101_00318_47746_3454.N1	0	1
1	MIP_NL__0PNPDE20110418_035422_000062043101_00320_47748_3455.N1	0	1
2	MIP_NL__0PNPDE20110418_053711_000047093101_00321_47749_3456.N1	0	1
3	MIP_NL__0PNPDE20110418_065539_000013453101_00322_47750_3457.N1	0	1
4	MIP_NL__0PNPDK20110418_100541_000059223101_00324_47752_4884.N1	0	2
5	MIP_NL__0PNPDK20110418_114340_000060353101_00325_47753_4885.N1	0	2
6	MIP_NL__0PNPDK20110418_132340_000058813101_00326_47754_4886.N1	0	2
7	MIP_NL__0PNPDK20110418_150109_000058393101_00327_47755_4887.N1	0	2
8	MIP_NL__0PNPDK20110418_163708_000059603101_00328_47756_4888.N1	0	2
9	MIP_NL__0PNPDK20110418_181530_000059293101_00329_47757_4889.N1	0	2
10	MIP_NL__0PNPDE20110418_195253_000041953101_00330_47758_3458.N1	0	2
11	MIP_NL__0PNPDE20110418_210147_000064113101_00330_47758_3459.N1	0	2
12	MIP_NL__0PNPDE20110418_224738_000060833101_00331_47759_3460.N1	0	2

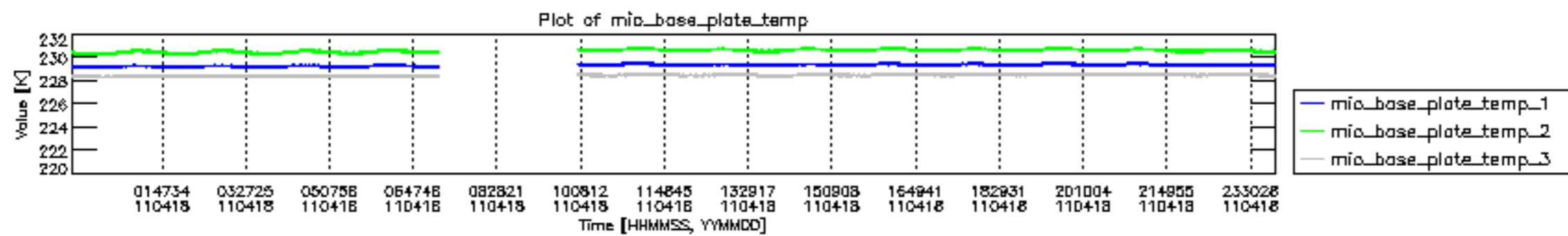


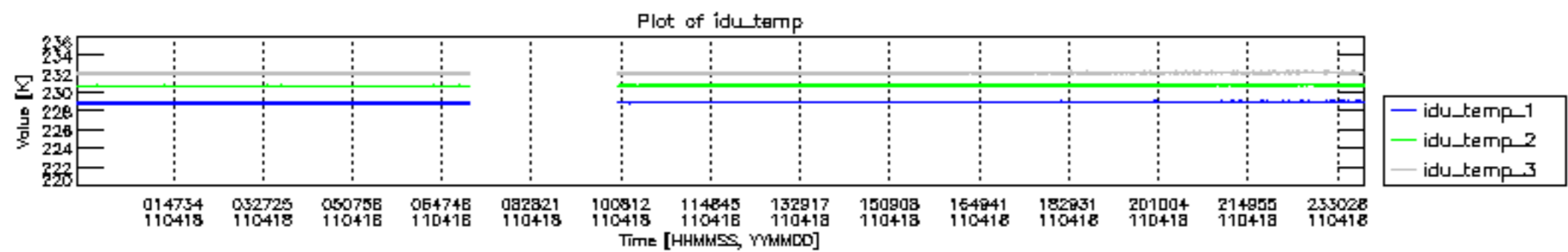
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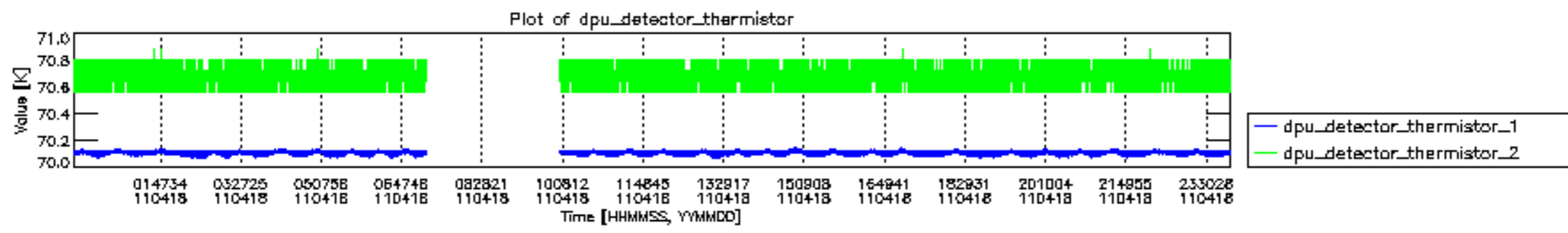


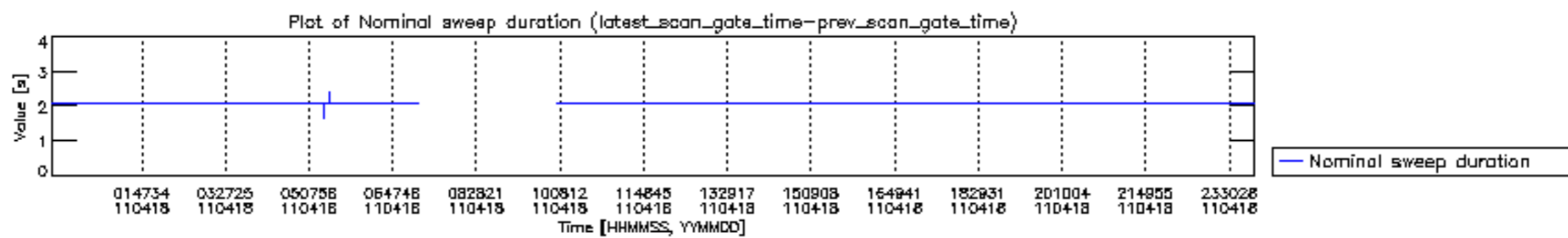
mipas_daily_report_level0_KSPT_L0_4504_N_20110418_13.PNG

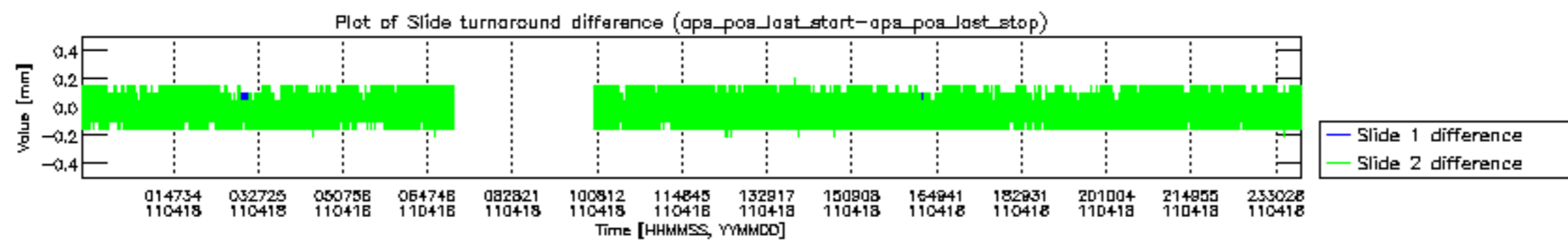


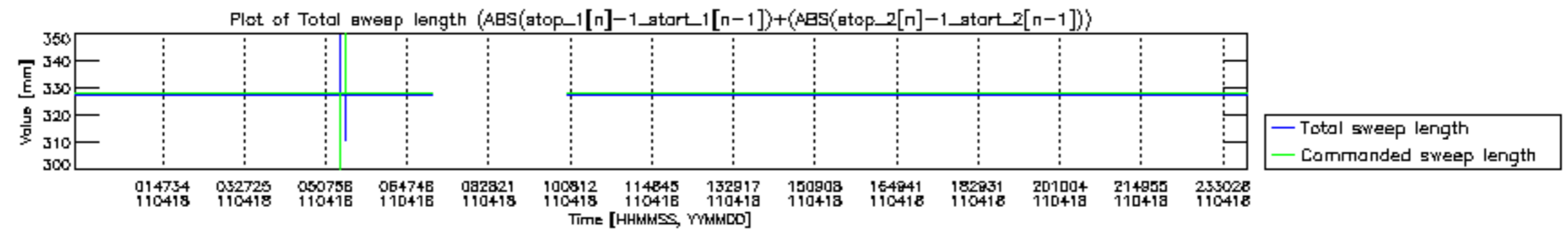


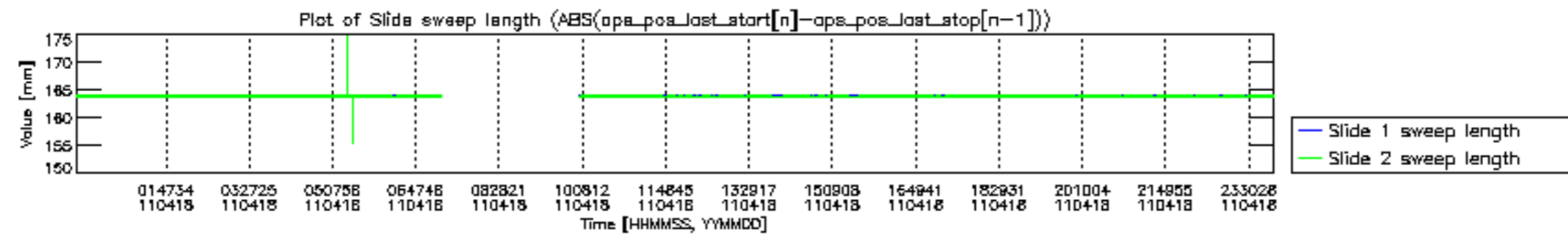


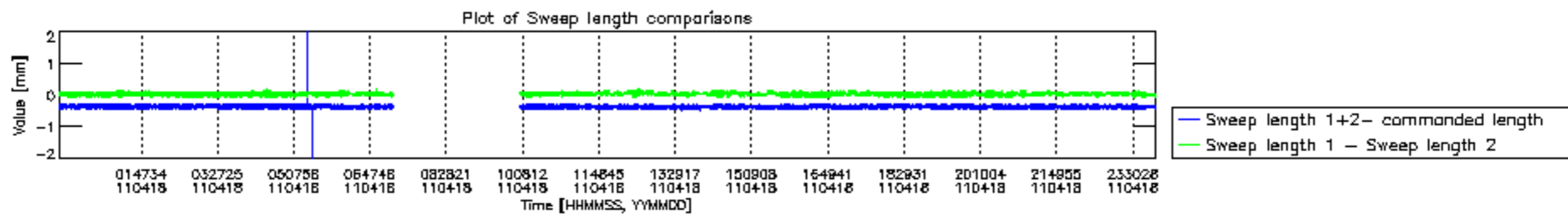


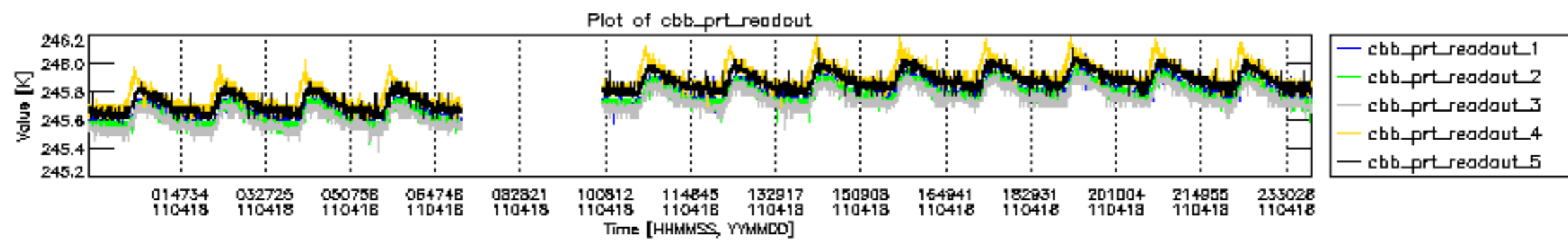


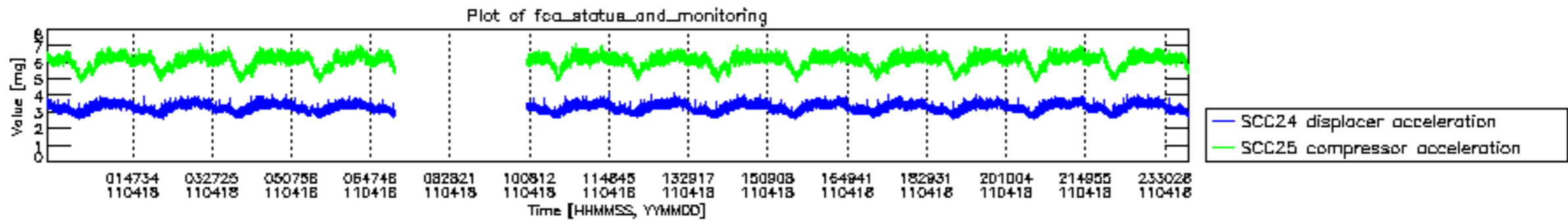












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

