

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	05APR2012 05:22:08
Data source version	KSPT_L0/4504-N
Processing scope for products	31MAR2012 00:00:00 to 01APR2012 00:00:00
Start time of first product within scope	31MAR2012 00:07:11
Stop time of last product within scope	01APR2012 01:10:57
Total number of level 0 products	15
Number of level 0 products with errors	1

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__0PNPDE20120331_000711_000059293113_00145_52745_1326.N1	31MAR2012 00:07:11	31MAR2012 01:45:59	0	0	0	0	0
1	MIP_NL__0PNPDE20120331_014501_000043893113_00146_52746_1327.N1	31MAR2012 01:45:01	31MAR2012 02:58:10	0	0	0	0	0
2	MIP_NL__0PNPDE20120331_025736_000061423113_00147_52747_1328.N1	31MAR2012 02:57:36	31MAR2012 04:39:58	0	0	0	0	0
3	MIP_NL__0PNPDE20120331_043925_000060673113_00148_52748_1329.N1	31MAR2012 04:39:25	31MAR2012 06:20:31	0	0	0	0	0
4	MIP_NL__0PNPDK20120331_061958_000024593113_00149_52749_9076.N1	31MAR2012 06:19:58	31MAR2012 07:00:56	0	0	0	0	0
5	MIP_NL__0PNPDK20120331_101519_000019633113_00151_52751_9077.N1	31MAR2012 10:15:19	31MAR2012 10:48:02	0	0	0	0	0
6	MIP_NL__0PNPDK20120331_104718_000060363113_00152_52752_9078.N1	31MAR2012 10:47:18	31MAR2012 12:27:54	0	0	0	0	0
7	MIP_NL__0PNPDK20120331_122710_000059413113_00153_52753_9079.N1	31MAR2012 12:27:10	31MAR2012 14:06:12	0	0	0	0	0
8	MIP_NL__0PNPDK20120331_140521_000059083113_00154_52754_9080.N1	31MAR2012 14:05:21	31MAR2012 15:43:49	0	0	0	0	0
9	MIP_NL__0PNPDK20120331_154215_000059393113_00155_52755_9081.N1	31MAR2012 15:42:15	31MAR2012 17:21:14	1	1	0	0	0
10	MIP_NL__0PNPDK20120331_171957_000058203113_00156_52756_9082.N1	31MAR2012 17:19:57	31MAR2012 18:56:57	0	0	0	0	0
11	MIP_NL__0PNPDK20120331_185558_000061213113_00157_52757_9083.N1	31MAR2012 18:55:58	31MAR2012 20:37:59	0	0	0	0	0
12	MIP_NL__0PNPDE20120331_203629_000043543113_00158_52758_1330.N1	31MAR2012 20:36:29	31MAR2012 21:49:03	0	0	0	0	0
13	MIP_NL__0PNPDE20120331_214807_000061383113_00158_52758_1331.N1	31MAR2012 21:48:07	31MAR2012 23:30:24	0	0	0	0	0
14	MIP_NL__0PNPDE20120331_232926_000060923113_00159_52759_1332.N1	31MAR2012 23:29:26	01APR2012 01:10:57	0	0	0	0	0

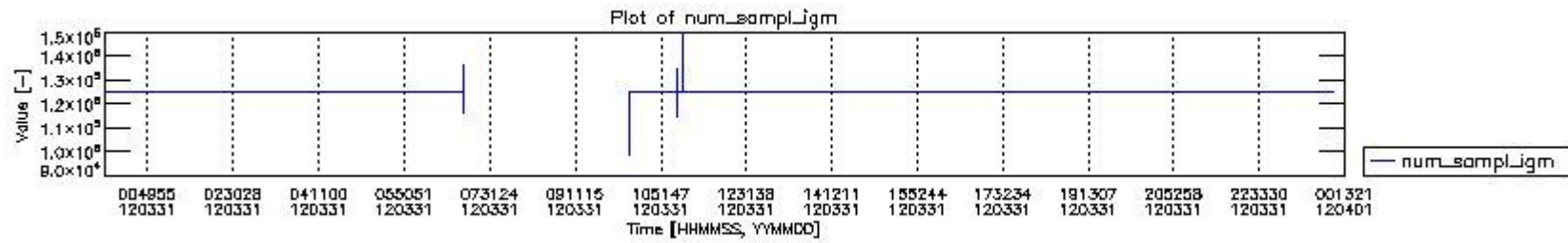
0.2 Instrument Operational Performance Parameters

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.

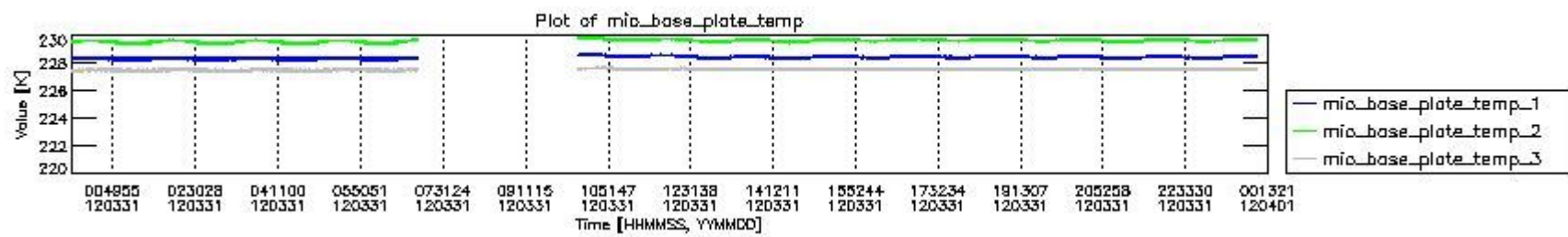
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98847	1	0.0027766209
114595	1	0.0027766209
116602	1	0.0027766209

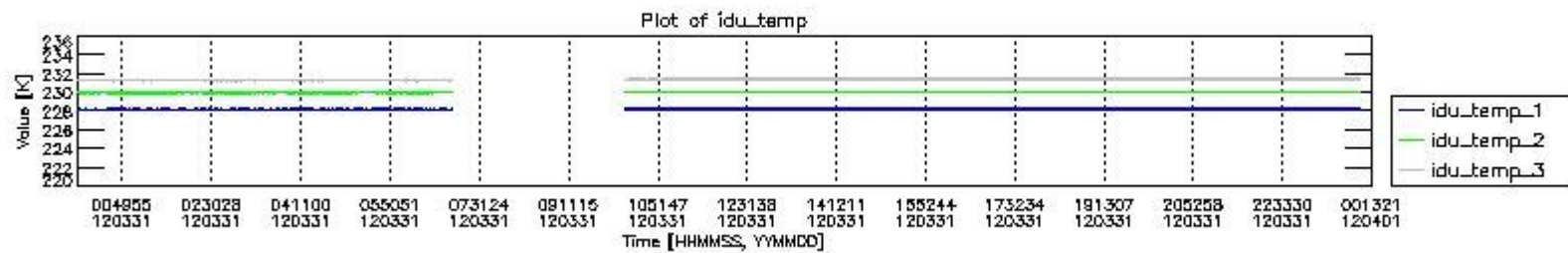
123398	1	0.0027766209
124099	1	0.0027766209
124522	1	0.0027766209
124800	33454	92.889074
124803	2549	7.0776066
127233	1	0.0027766209
128536	1	0.0027766209
134727	1	0.0027766209
136734	1	0.0027766209
147365	1	0.0027766209
149798	1	0.0027766209



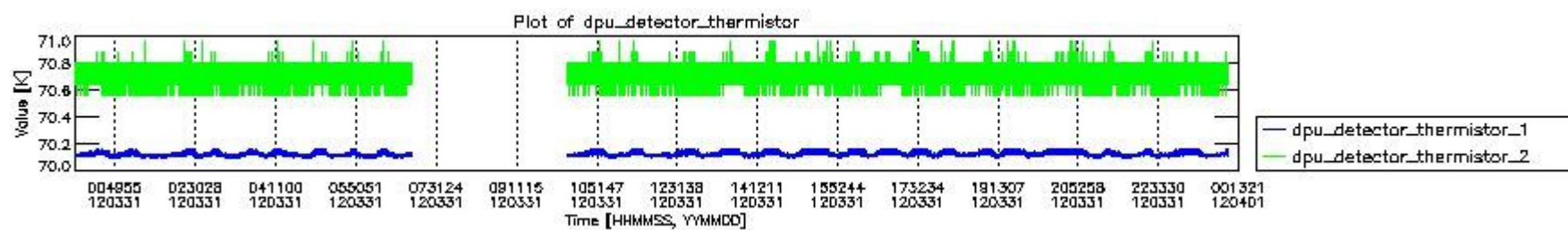
mipas_daily_report_level0_KSPT_L0_4504_N_20120331_0.PNG



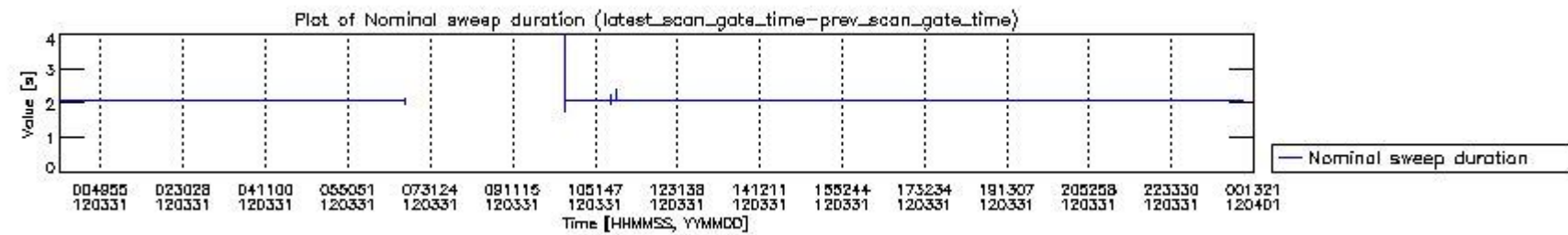
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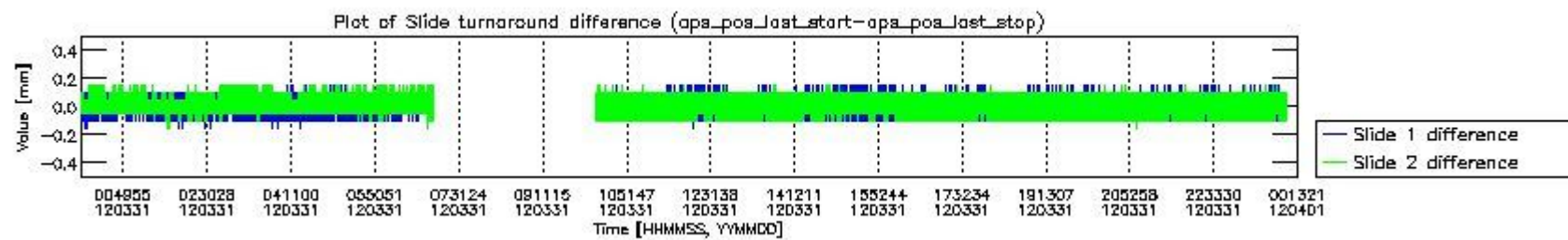
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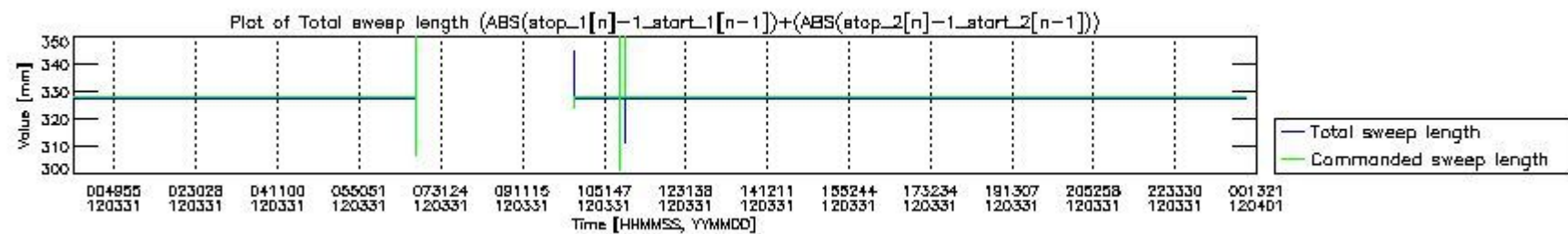
mipas_daily_report_level0_KSPT_L0_4504_N_20120331_3.PNG



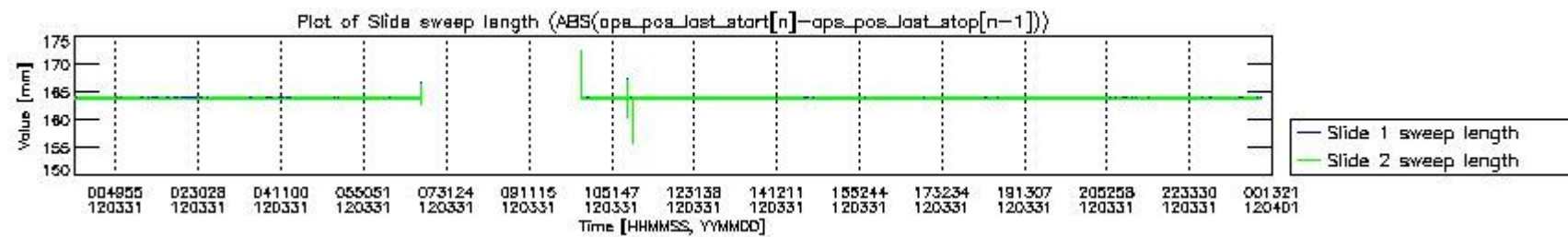
mipas_daily_report_level0_KSPT_L0_4504_N_20120331_4.PNG



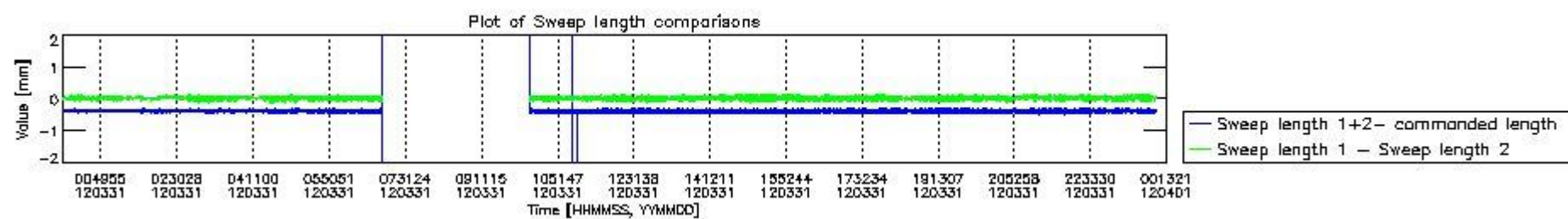
mipas_daily_report_level0_KSPT_L0_4504_N_20120331_5.PNG



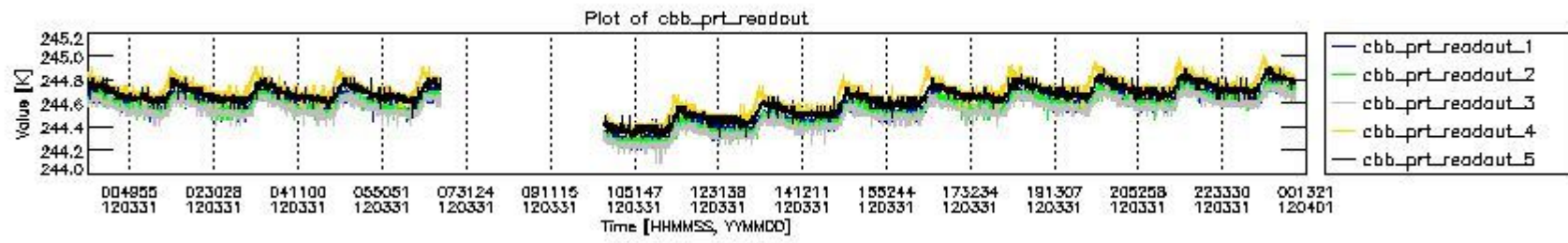
mipas_daily_report_level0_KSPT_L0_4504_N_20120331_6.PNG



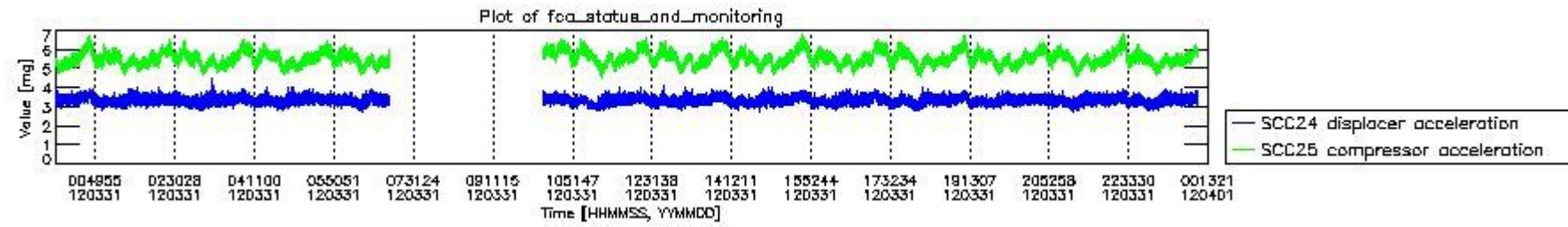
mipas_daily_report_level0_KSPT_L0_4504_N_20120331_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120331_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120331_9.PNG

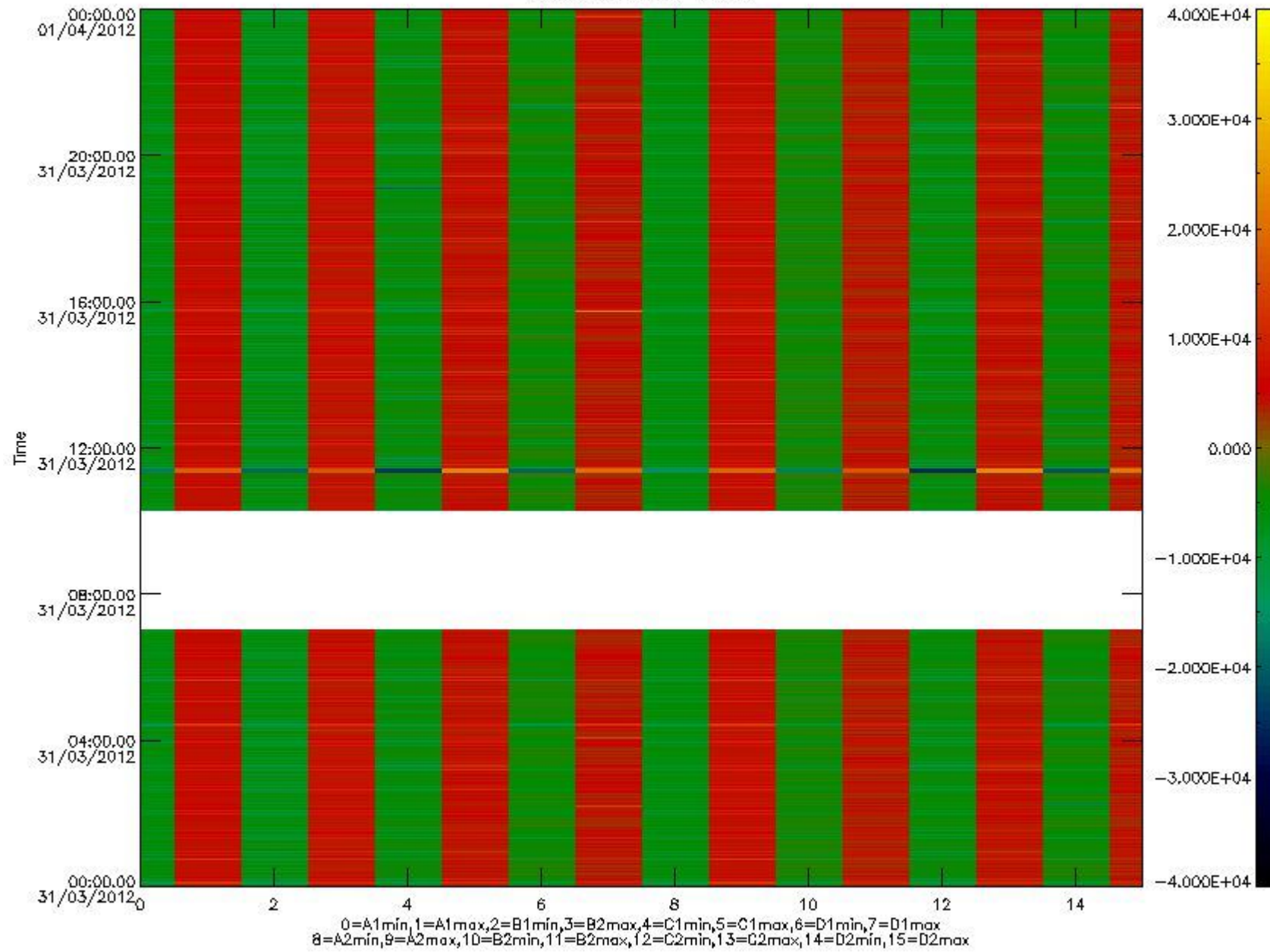


mipas_daily_report_level0_KSPT_L0_4504_N_20120331_10.PNG

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	-25347	24268	16bit
D1	-32768	32767	16bit
A2	-32768	28643	16bit
B2	-32768	32767	16bit
C2	-25419	24986	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_20120331_11.PNG

0.3 ADF monitoring

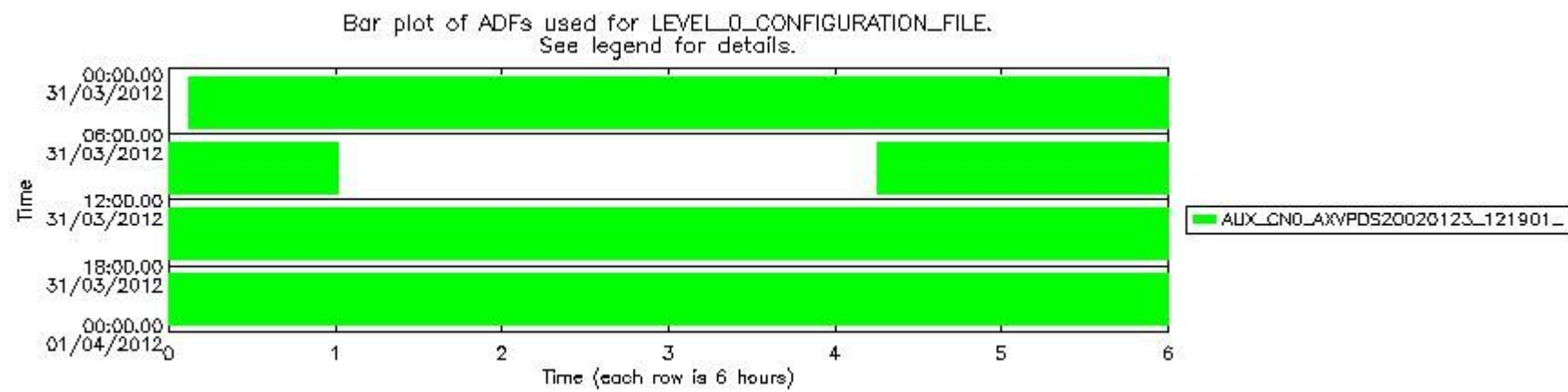
The use of ADFs is shown in two ways:

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.

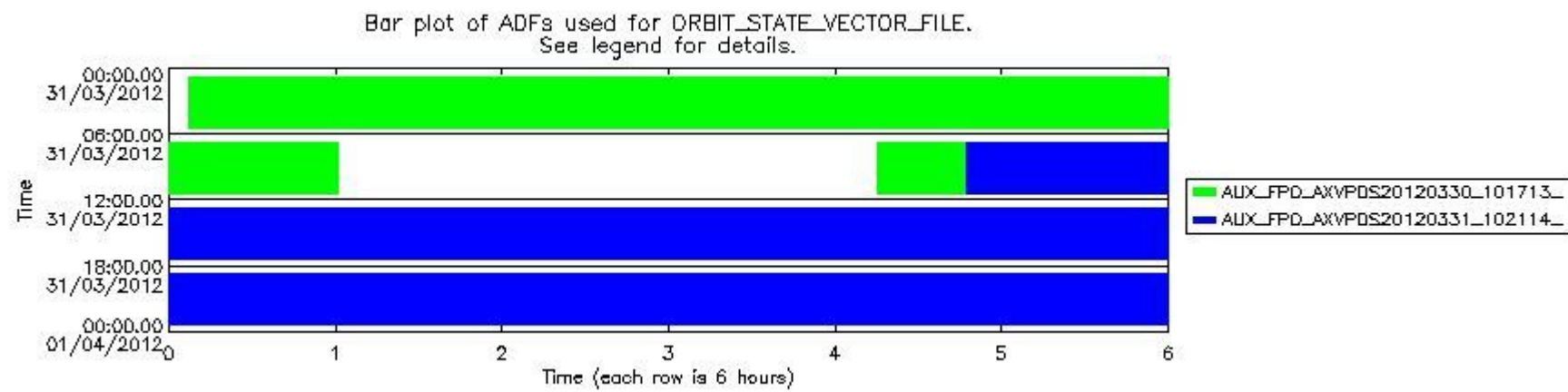
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120330_101713_20120329_195421_20120408_202746
2	AUX_FPO_AXVPDS20120331_102114_20120330_191736_20120409_213115

Number	Product name	#CN0	#FPO
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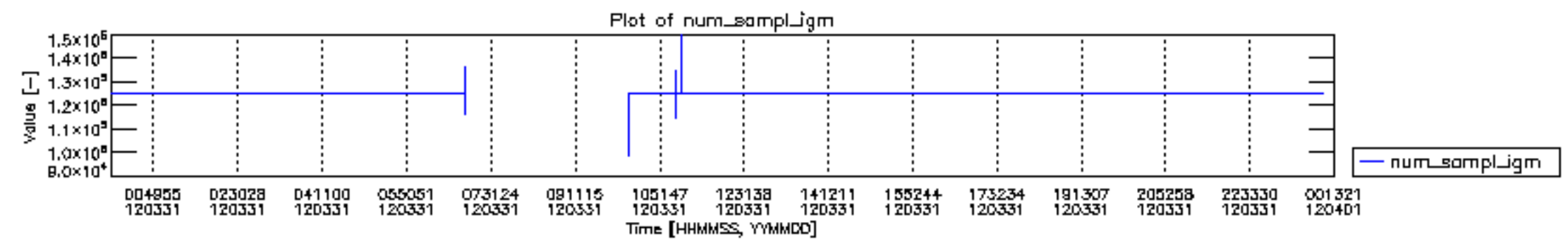
0	MIP_NL__0PNPDE20120331_000711_000059293113_00145_52745_1326.N1	0	1
1	MIP_NL__0PNPDE20120331_014501_000043893113_00146_52746_1327.N1	0	1
2	MIP_NL__0PNPDE20120331_025736_000061423113_00147_52747_1328.N1	0	1
3	MIP_NL__0PNPDE20120331_043925_000060673113_00148_52748_1329.N1	0	1
4	MIP_NL__0PNPDK20120331_061958_000024593113_00149_52749_9076.N1	0	1
5	MIP_NL__0PNPDK20120331_101519_000019633113_00151_52751_9077.N1	0	1
6	MIP_NL__0PNPDK20120331_104718_000060363113_00152_52752_9078.N1	0	2
7	MIP_NL__0PNPDK20120331_122710_000059413113_00153_52753_9079.N1	0	2
8	MIP_NL__0PNPDK20120331_140521_000059083113_00154_52754_9080.N1	0	2
9	MIP_NL__0PNPDK20120331_154215_000059393113_00155_52755_9081.N1	0	2
10	MIP_NL__0PNPDK20120331_171957_000058203113_00156_52756_9082.N1	0	2
11	MIP_NL__0PNPDK20120331_185558_000061213113_00157_52757_9083.N1	0	2
12	MIP_NL__0PNPDE20120331_203629_000043543113_00158_52758_1330.N1	0	2
13	MIP_NL__0PNPDE20120331_214807_000061383113_00158_52758_1331.N1	0	2
14	MIP_NL__0PNPDE20120331_232926_000060923113_00159_52759_1332.N1	0	2

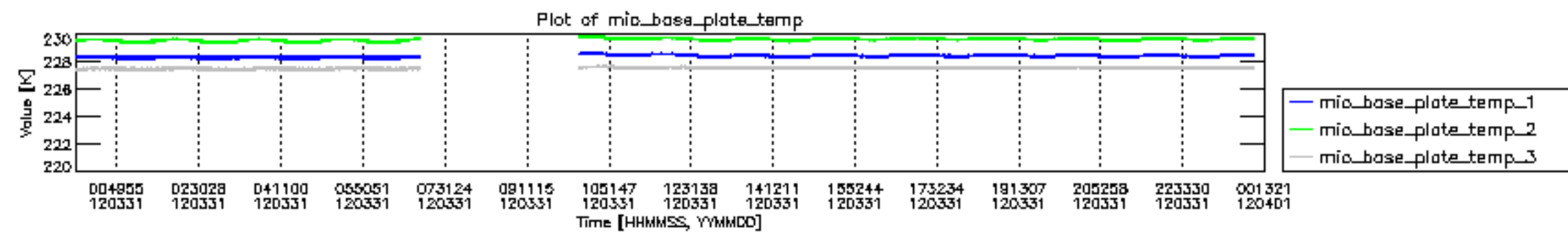


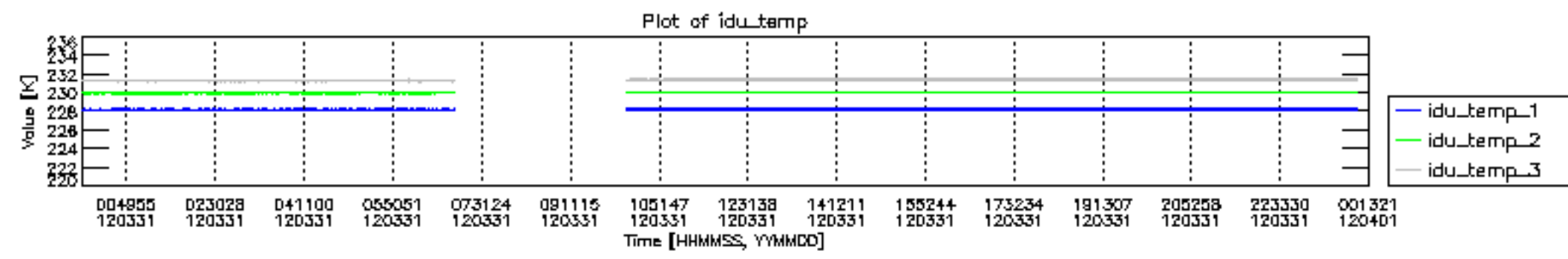
mipas_daily_report_level0_KSPT_L0_4504_N_20120331_12.PNG

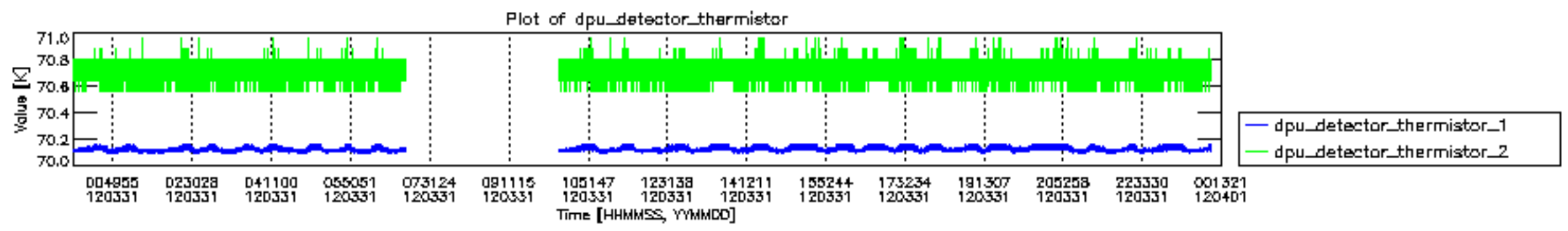


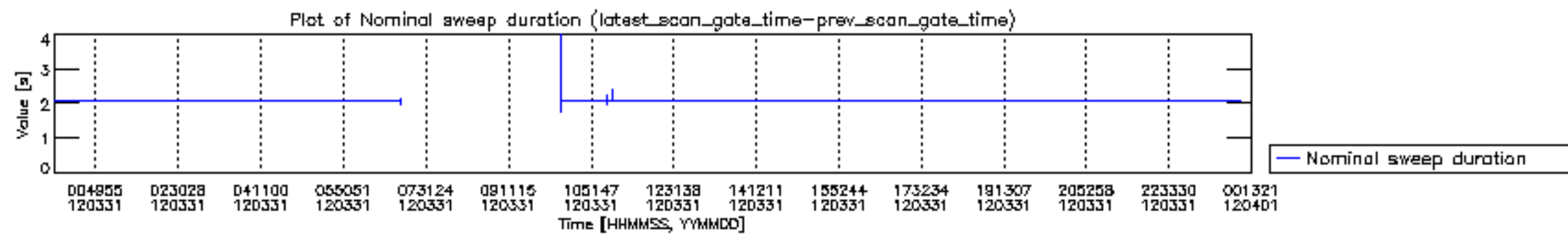
mipas_daily_report_level0_KSPT_L0_4504_N_20120331_13.PNG

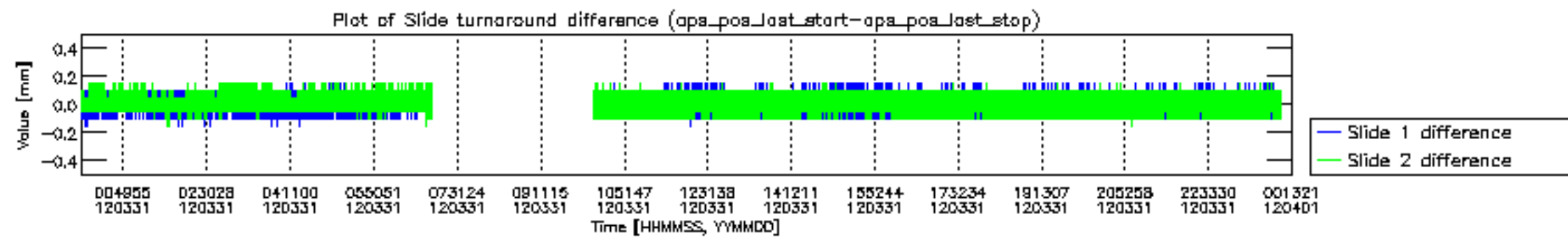


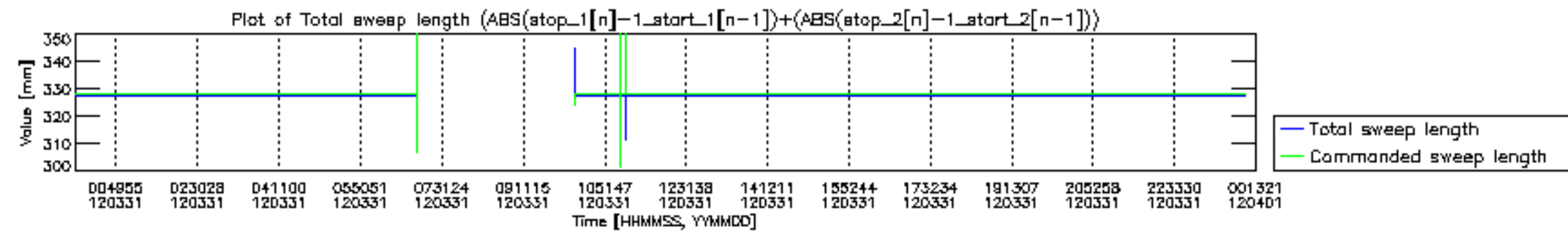


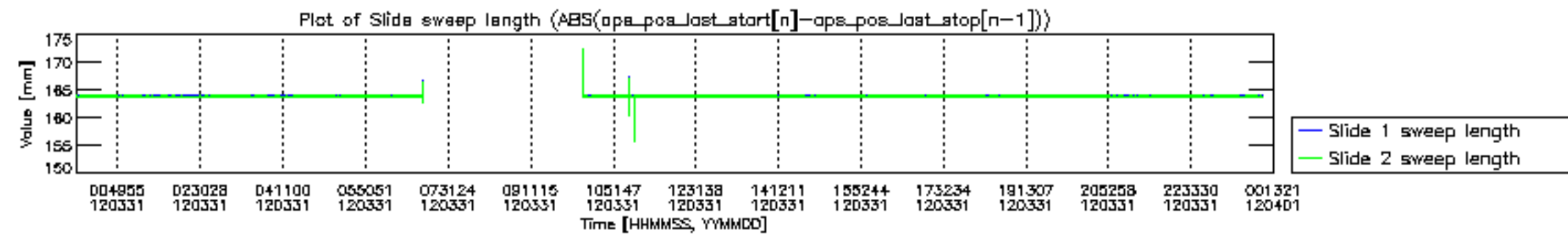


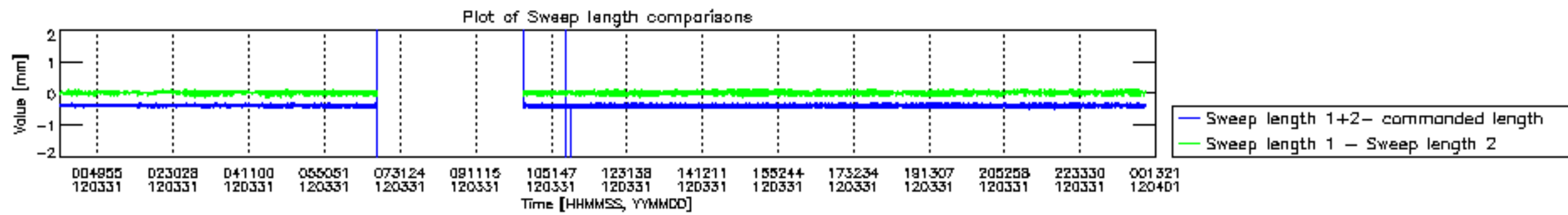


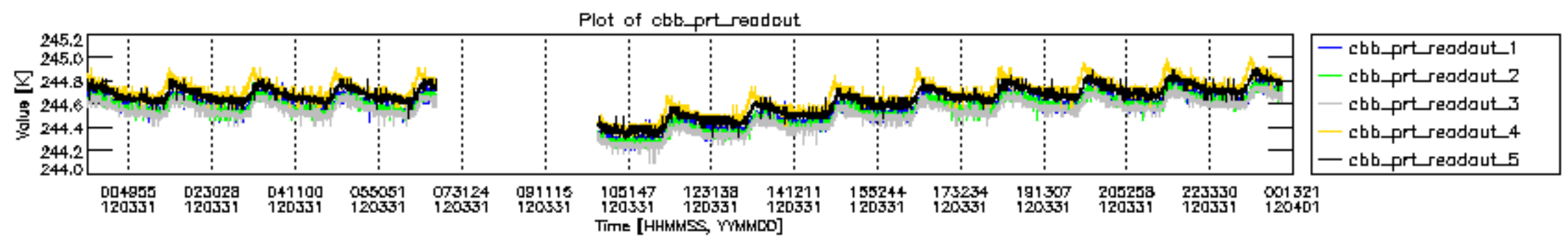


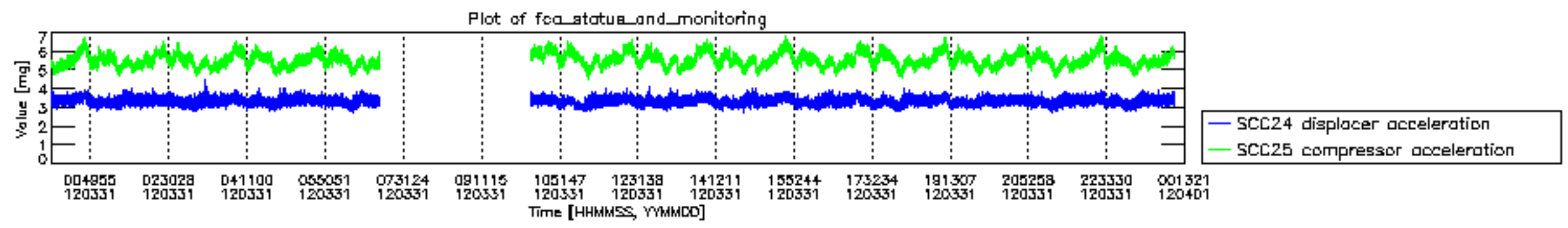












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

