

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	03APR2012 05:24:45
Data source version	KSPT_L0/4504-N
Processing scope for products	29MAR2012 00:00:00 to 30MAR2012 00:00:00
Start time of first product within scope	29MAR2012 01:27:06
Stop time of last product within scope	30MAR2012 00:45:17
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__OPNPDE20120329_012706_000097803113_00117_52717_1314.N1	29MAR2012 01:27:06	29MAR2012 04:10:07	0	0	0	0	0
1	MIP_NL__OPNPDE20120329_040931_000062863113_00119_52719_1315.N1	29MAR2012 04:09:31	29MAR2012 05:54:17	0	0	0	0	0
2	MIP_NL__OPNPDE20120329_055344_000061313113_00120_52720_1316.N1	29MAR2012 05:53:44	29MAR2012 07:35:55	0	0	0	0	0
3	MIP_NL__OPNPDK20120329_073521_000039113113_00121_52721_9059.N1	29MAR2012 07:35:21	29MAR2012 08:40:32	0	0	0	0	0
4	MIP_NL__OPNPDK20120329_083957_000061083113_00122_52722_9060.N1	29MAR2012 08:39:57	29MAR2012 10:21:45	0	0	0	0	0
5	MIP_NL__OPNPDK20120329_102059_000059963113_00123_52723_9061.N1	29MAR2012 10:20:59	29MAR2012 12:00:54	0	0	0	0	0
6	MIP_NL__OPNPDK20120329_120008_000059813113_00124_52724_9062.N1	29MAR2012 12:00:08	29MAR2012 13:39:49	0	0	0	0	0
7	MIP_NL__OPNPDK20120329_133857_000058393113_00125_52725_9063.N1	29MAR2012 13:38:57	29MAR2012 15:16:16	0	0	0	0	0
8	MIP_NL__OPNPDK20120329_151429_000059623113_00126_52726_9064.N1	29MAR2012 15:14:29	29MAR2012 16:53:51	0	0	0	0	0
9	MIP_NL__OPNPDK20120329_165251_000060103113_00127_52727_9065.N1	29MAR2012 16:52:51	29MAR2012 18:33:01	0	0	0	0	0
10	MIP_NL__OPNPDK20120329_183158_000059433113_00128_52728_9066.N1	29MAR2012 18:31:58	29MAR2012 20:11:01	0	0	0	0	0
11	MIP_NL__OPNPDE20120329_200907_000044483113_00129_52729_1317.N1	29MAR2012 20:09:07	29MAR2012 21:23:14	0	0	0	0	0
12	MIP_NL__OPNPDE20120329_212213_000061583113_00129_52729_1318.N1	29MAR2012 21:22:13	29MAR2012 23:04:52	0	0	0	0	0
13	MIP_NL__OPNPDE20120329_230345_000060923113_00130_52730_1319.N1	29MAR2012 23:03:45	30MAR2012 00:45:17	0	0	0	0	0

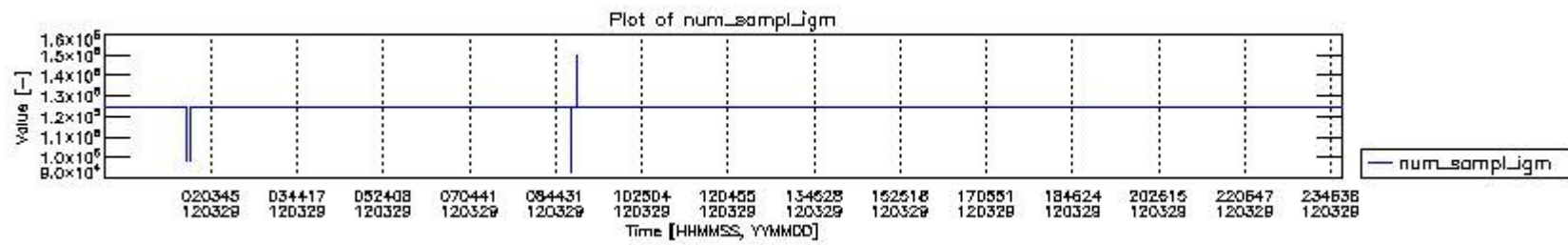
0.2 Instrument Operational Performance Parameters

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.

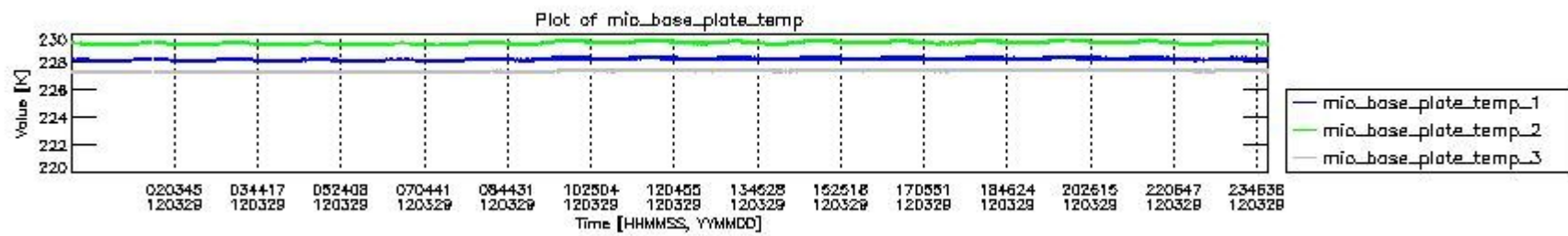
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
93002	1	0.0024065651
98773	1	0.0024065651
98800	1	0.0024065651
98835	1	0.0024065651

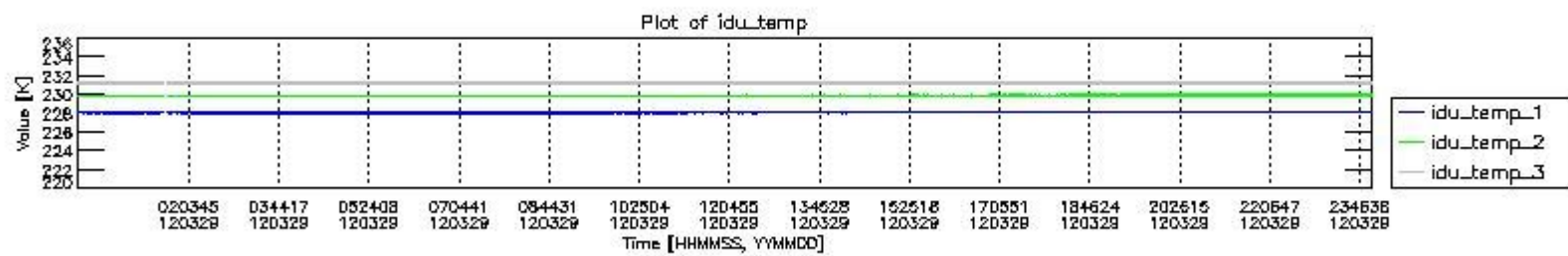
101734	1	0.0024065651
118967	1	0.0024065651
121866	1	0.0024065651
123250	1	0.0024065651
124025	1	0.0024065651
124800	39139	94.190552
124803	2402	5.7805694
127382	1	0.0024065651
147514	1	0.0024065651
150096	1	0.0024065651



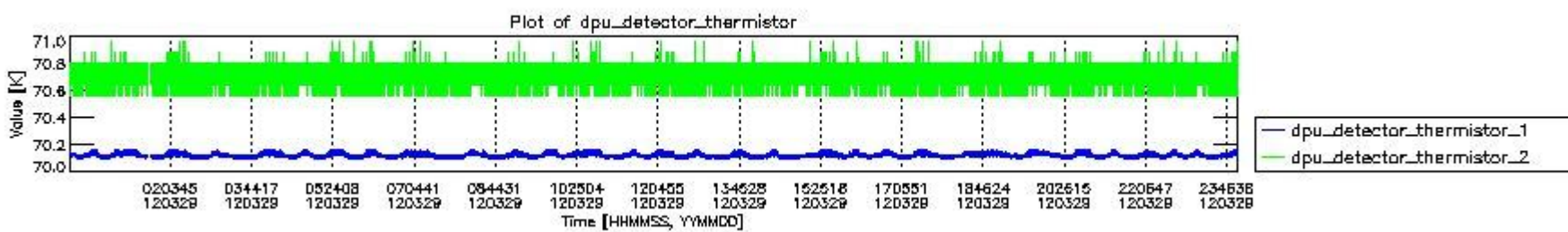
mipas_daily_report_level0_KSPT_L0_4504_N_20120329_0.PNG



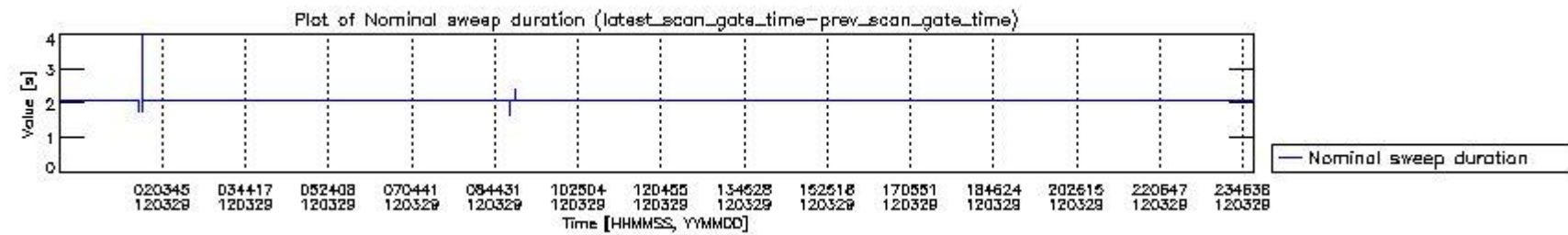
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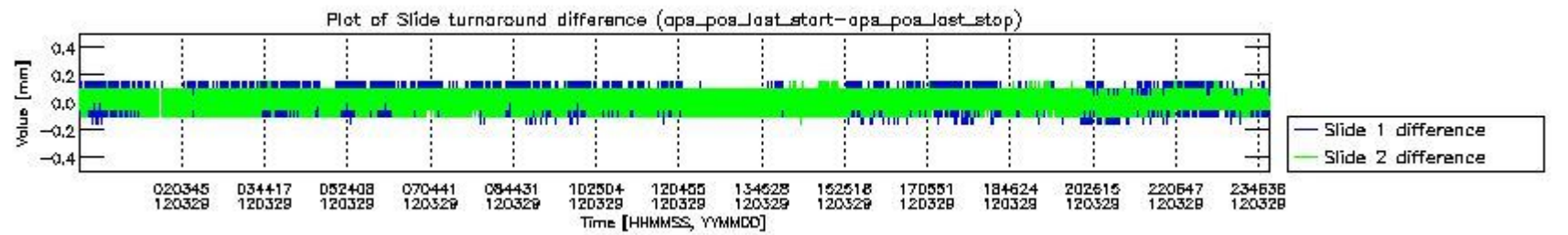
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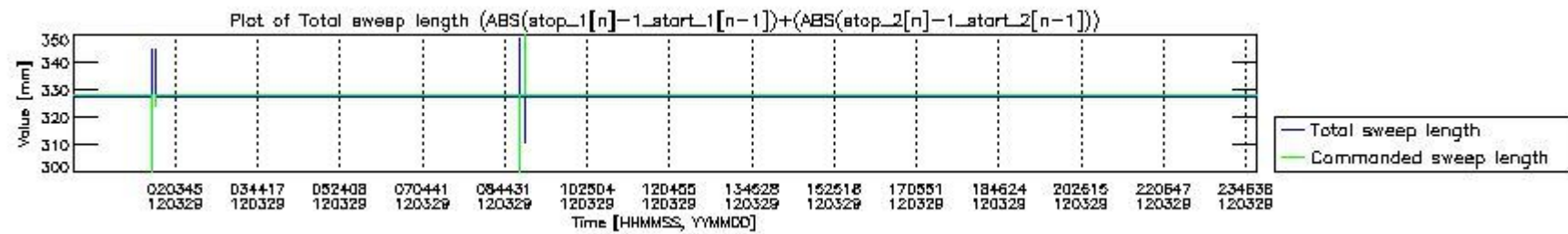
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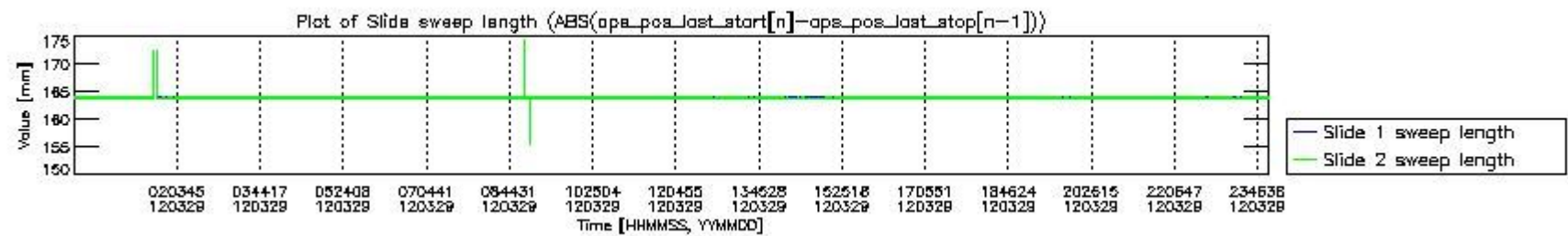
mipas_daily_report_level0_KSPT_L0_4504_N_20120329_4.PNG



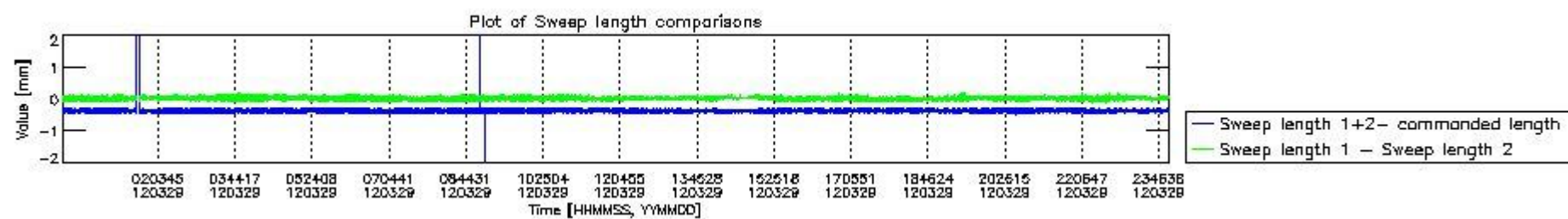
mipas_daily_report_level0_KSPT_L0_4504_N_20120329_5.PNG



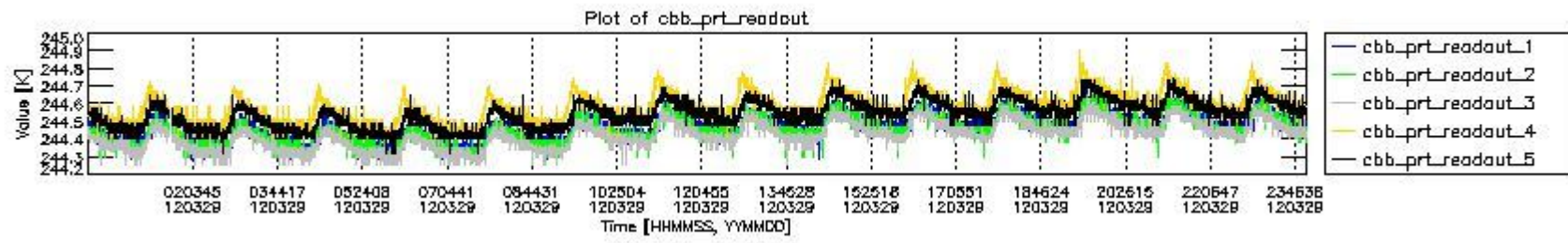
mipas_daily_report_level0_KSPT_L0_4504_N_20120329_6.PNG



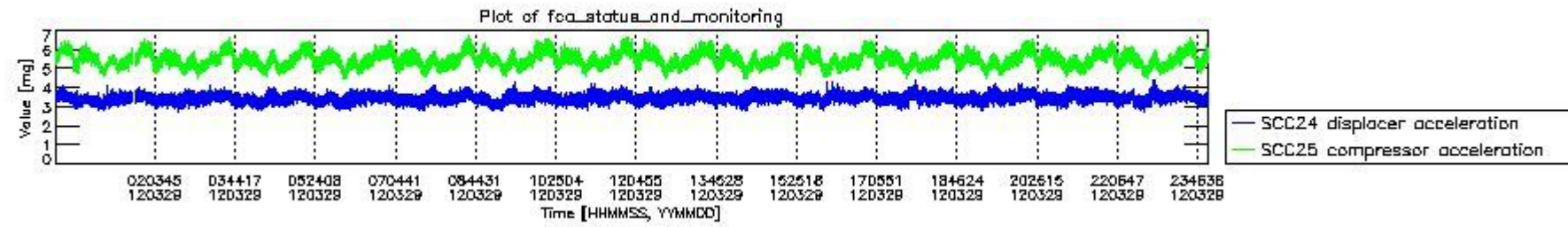
mipas_daily_report_level0_KSPT_L0_4504_N_20120329_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120329_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120329_9.PNG

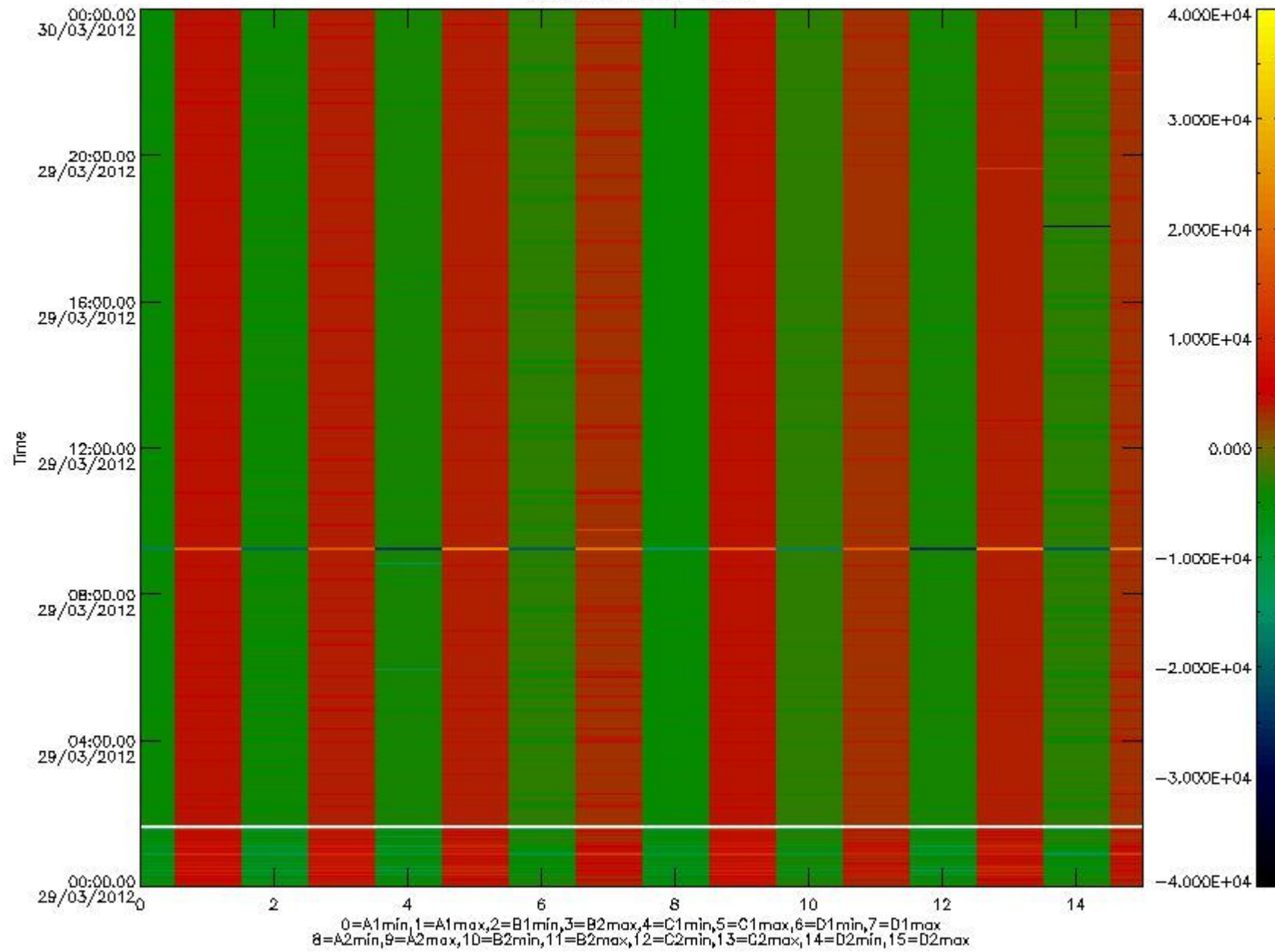


mipas_daily_report_level0_KSPT_L0_4504_N_20120329_10.PNG

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

Channel	Min	Max	ADC
A1	-17611	18561	16bit
B1	-20027	17289	16bit
C1	-24414	24308	16bit
D1	-21546	32767	16bit
A2	-15375	18835	16bit
B2	-17790	17544	16bit
C2	-25463	25013	16bit
D2	-32768	23675	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120329_11.PNG

0.3 ADF monitoring

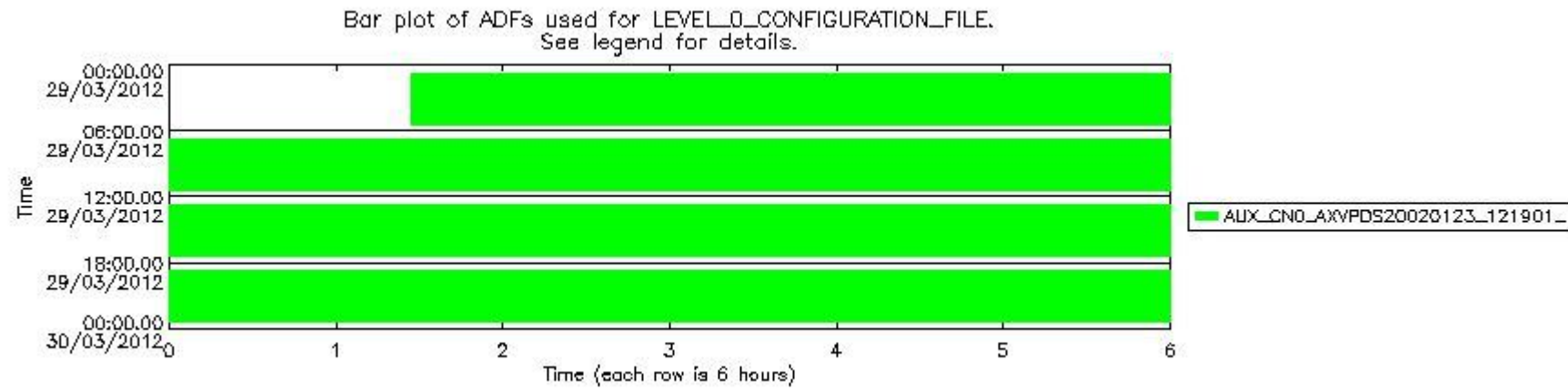
The use of ADFs is shown in two ways:

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.

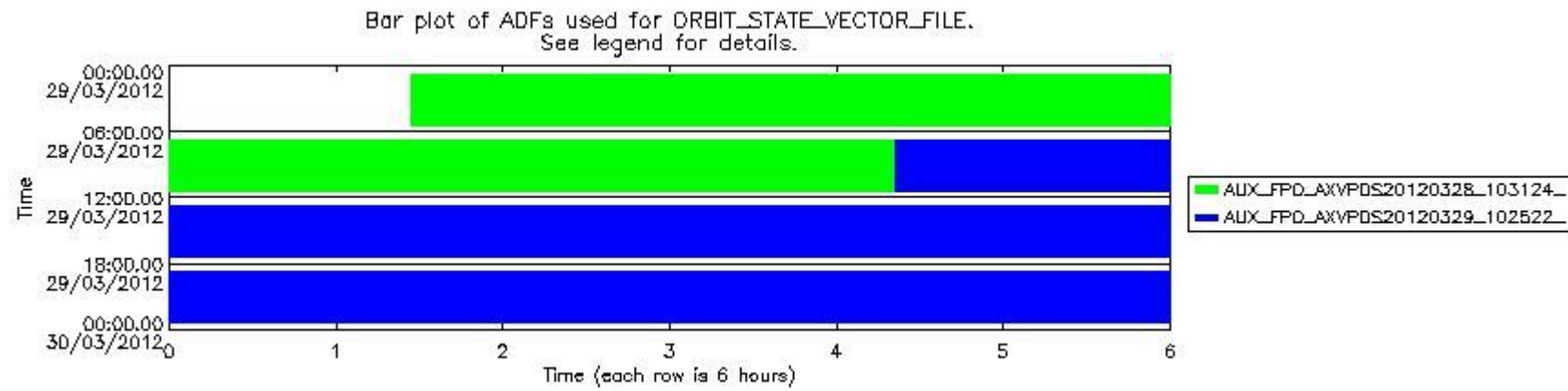
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120328_103124_20120327_192737_20120406_200103
2	AUX_FPO_AXVPDS20120329_102522_20120328_185052_20120407_210431

Number	Product name	#CN0	#FPO
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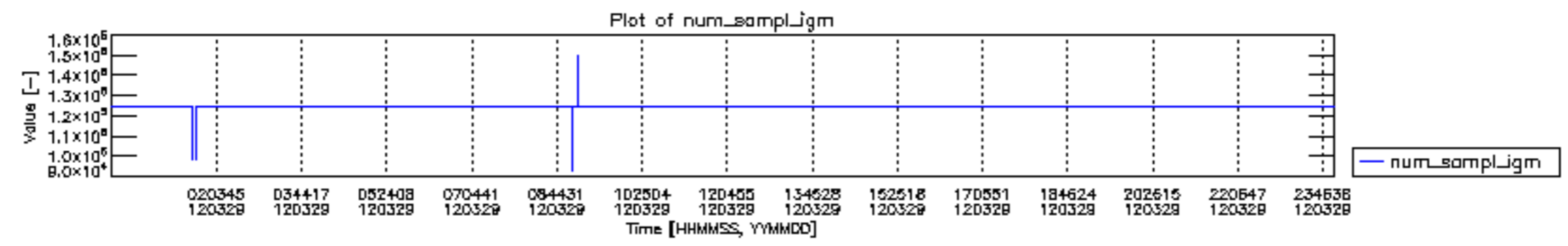
0	MIP_NL__0PNPDE20120329_012706_000097803113_00117_52717_1314.N1	0	1
1	MIP_NL__0PNPDE20120329_040931_000062863113_00119_52719_1315.N1	0	1
2	MIP_NL__0PNPDE20120329_055344_000061313113_00120_52720_1316.N1	0	1
3	MIP_NL__0PNPDK20120329_073521_000039113113_00121_52721_9059.N1	0	1
4	MIP_NL__0PNPDK20120329_083957_000061083113_00122_52722_9060.N1	0	1
5	MIP_NL__0PNPDK20120329_102059_000059963113_00123_52723_9061.N1	0	2
6	MIP_NL__0PNPDK20120329_120008_000059813113_00124_52724_9062.N1	0	2
7	MIP_NL__0PNPDK20120329_133857_000058393113_00125_52725_9063.N1	0	2
8	MIP_NL__0PNPDK20120329_151429_000059623113_00126_52726_9064.N1	0	2
9	MIP_NL__0PNPDK20120329_165251_000060103113_00127_52727_9065.N1	0	2
10	MIP_NL__0PNPDK20120329_183158_000059433113_00128_52728_9066.N1	0	2
11	MIP_NL__0PNPDE20120329_200907_000044483113_00129_52729_1317.N1	0	2
12	MIP_NL__0PNPDE20120329_212213_000061583113_00129_52729_1318.N1	0	2
13	MIP_NL__0PNPDE20120329_230345_000060923113_00130_52730_1319.N1	0	2

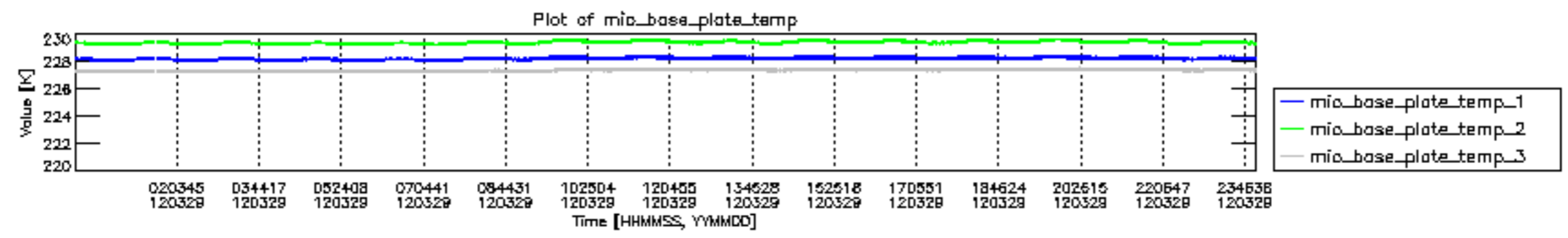


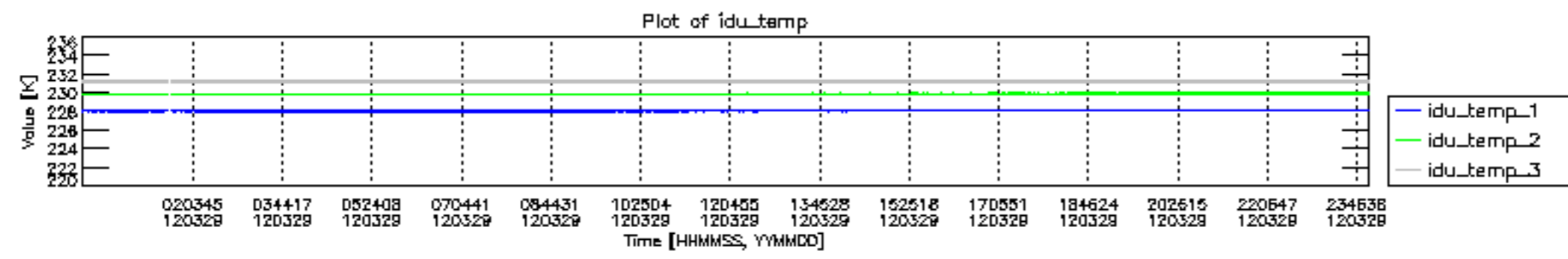
mipas_daily_report_level0_KSPT_L0_4504_N_20120329_12.PNG

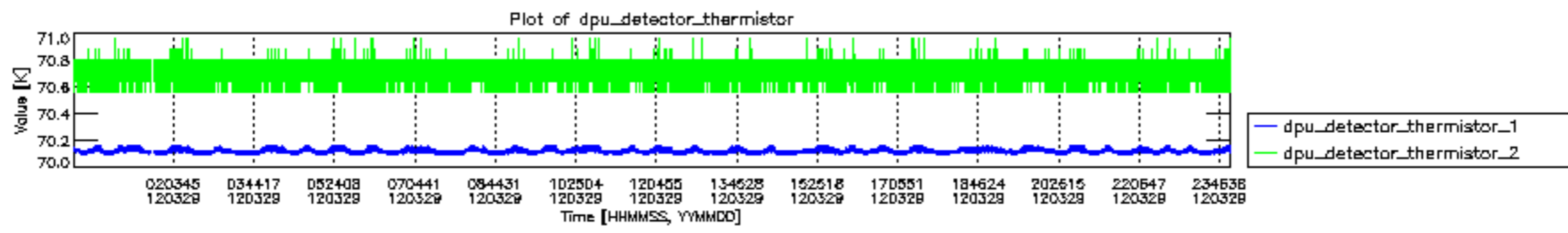


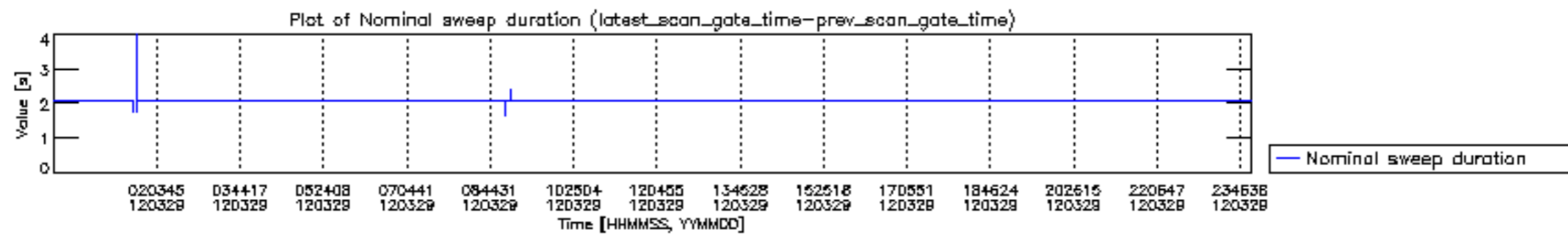
mipas_daily_report_level0_KSPT_L0_4504_N_20120329_13.PNG

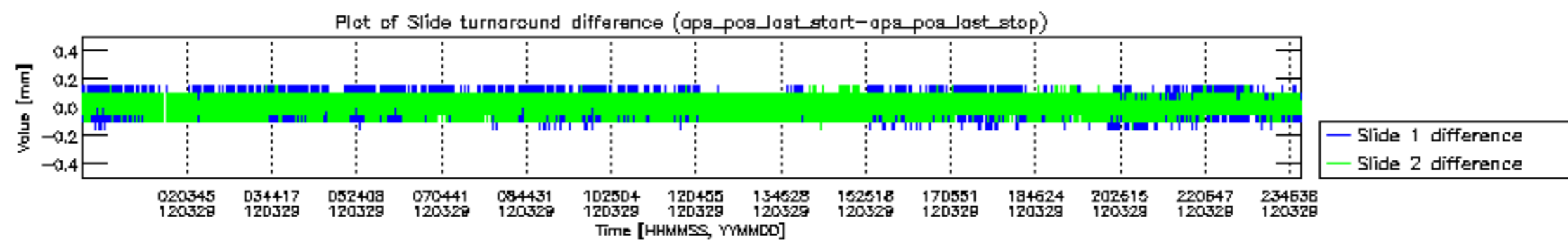


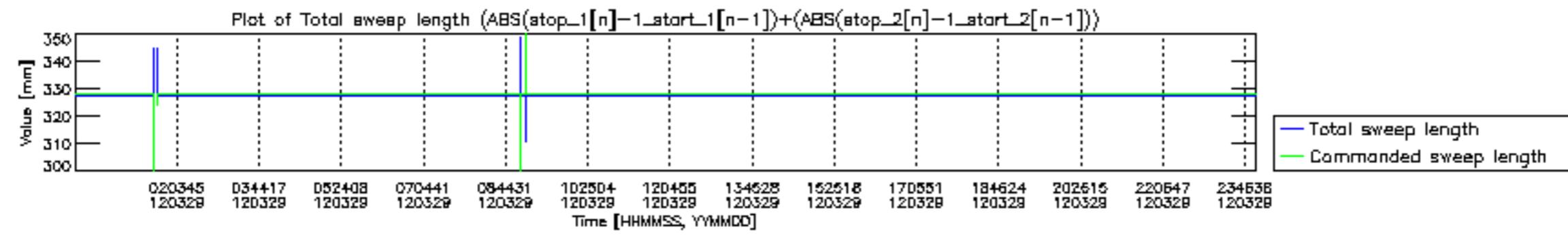


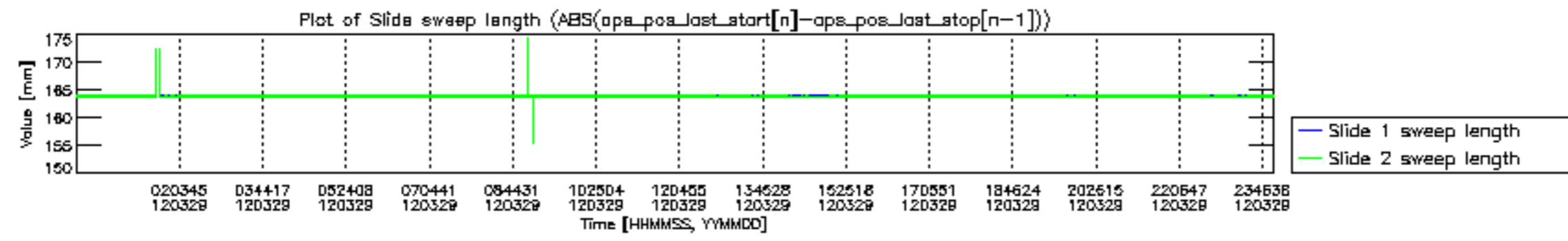


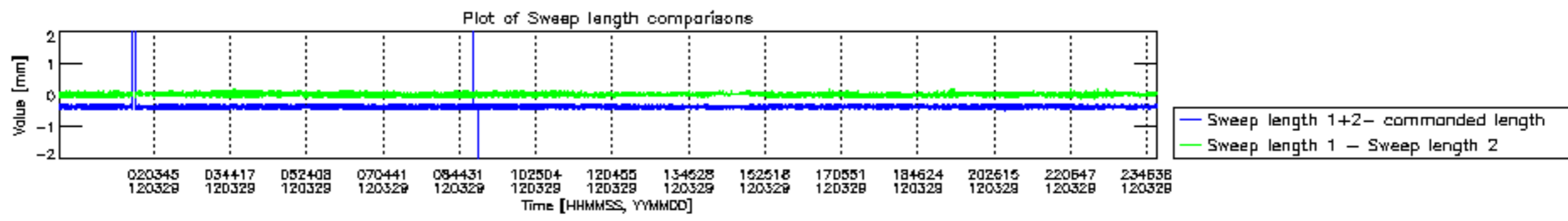


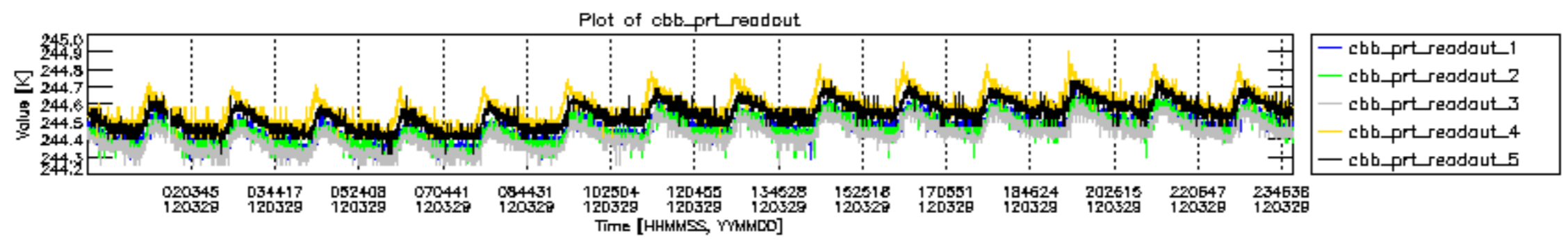


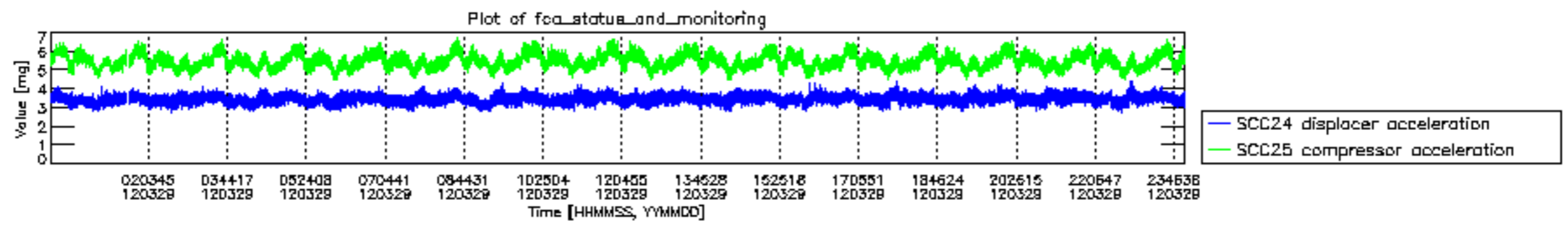












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



