

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	22MAR2012 05:23:50
Data source version	KSPT_L0/4504-N
Processing scope for products	17MAR2012 00:00:00 to 18MAR2012 00:00:00
Start time of first product within scope	17MAR2012 00:20:05
Stop time of last product within scope	18MAR2012 01:24:01
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__0PNPDE20120317_002005_000058433112_00375_52544_1237.N1	17MAR2012 00:20:05	17MAR2012 01:57:28	0	0	0	0	0
1	MIP_NL__0PNPDE20120317_015619_000045373112_00376_52545_1238.N1	17MAR2012 01:56:19	17MAR2012 03:11:56	0	0	0	0	0
2	MIP_NL__0PNPDE20120317_031123_000061293112_00377_52546_1239.N1	17MAR2012 03:11:23	17MAR2012 04:53:32	0	0	0	0	0
3	MIP_NL__0PNPDK20120317_074126_000060583112_00380_52549_8954.N1	17MAR2012 07:41:26	17MAR2012 09:22:24	0	0	0	0	0
4	MIP_NL__0PNPDK20120317_092140_000060393112_00381_52550_8955.N1	17MAR2012 09:21:40	17MAR2012 11:02:19	0	0	0	0	0
5	MIP_NL__0PNPDK20120317_123840_000059503112_00383_52552_8957.N1	17MAR2012 12:38:40	17MAR2012 14:17:49	0	0	0	0	0
6	MIP_NL__0PNPDK20120317_141647_000060043112_00384_52553_8958.N1	17MAR2012 14:16:47	17MAR2012 15:56:50	0	0	0	0	0
7	MIP_NL__0PNPDK20120317_155552_000058183112_00385_52554_8959.N1	17MAR2012 15:55:52	17MAR2012 17:32:50	0	0	0	0	0
8	MIP_NL__0PNPDK20120317_173152_000059023112_00386_52555_8960.N1	17MAR2012 17:31:52	17MAR2012 19:10:13	0	0	0	0	0
9	MIP_NL__0PNPDK20120317_190929_000061443112_00387_52556_8961.N1	17MAR2012 19:09:29	17MAR2012 20:51:53	0	0	0	0	0
10	MIP_NL__0PNPDE20120317_205048_000043223112_00388_52557_1241.N1	17MAR2012 20:50:48	17MAR2012 22:02:51	0	0	0	0	0
11	MIP_NL__0PNPDE20120317_220148_000061693112_00388_52557_1242.N1	17MAR2012 22:01:48	17MAR2012 23:44:37	0	0	0	0	0
12	MIP_NL__0PNPDE20120317_234341_000060213112_00389_52558_1243.N1	17MAR2012 23:43:41	18MAR2012 01:24:01	0	0	0	0	0

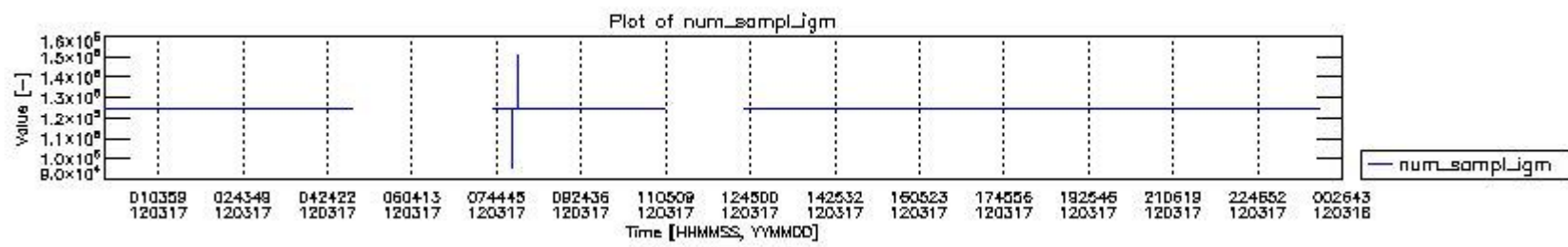
0.2 Instrument Operational Performance Parameters

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.

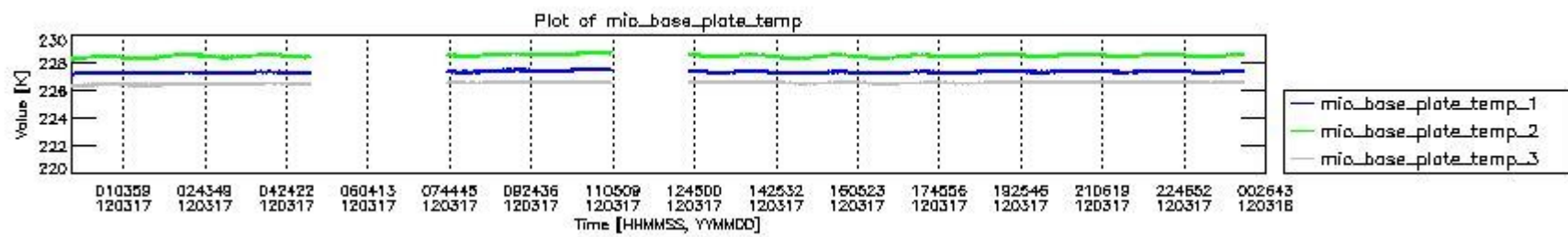
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
95380	1	0.0029465496
100024	1	0.0029465496
120156	1	0.0029465496
124800	31527	92.895869
124803	2405	7.0864518

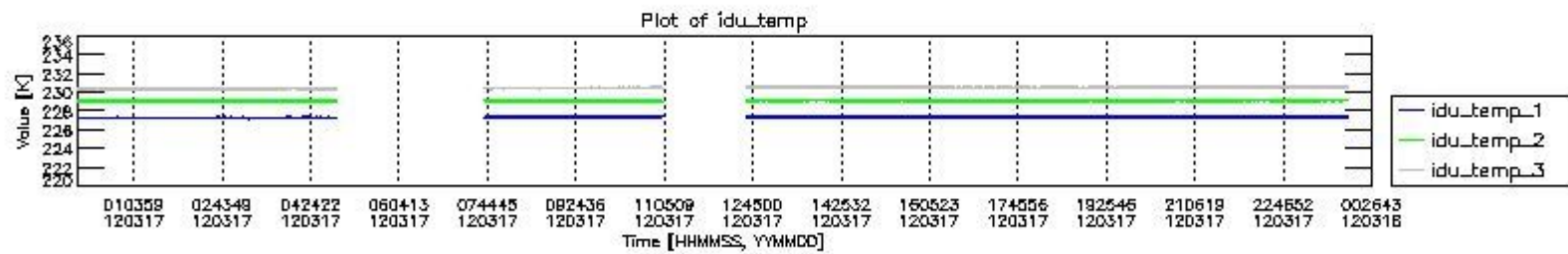
127456	1	0.0029465496
147588	1	0.0029465496
150244	1	0.0029465496



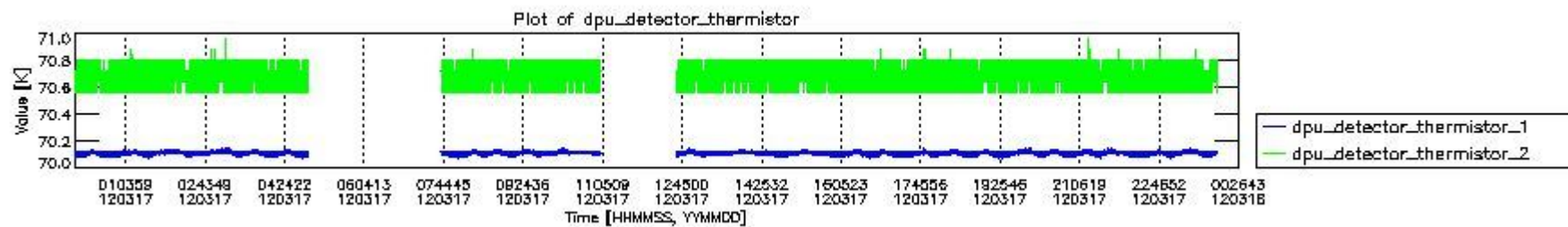
mipas_daily_report_level0_KSPT_L0_4504_N_20120317_0.PNG



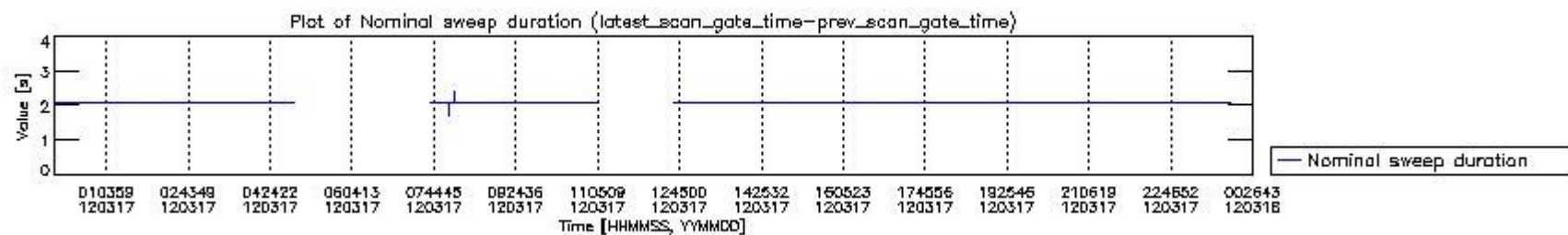
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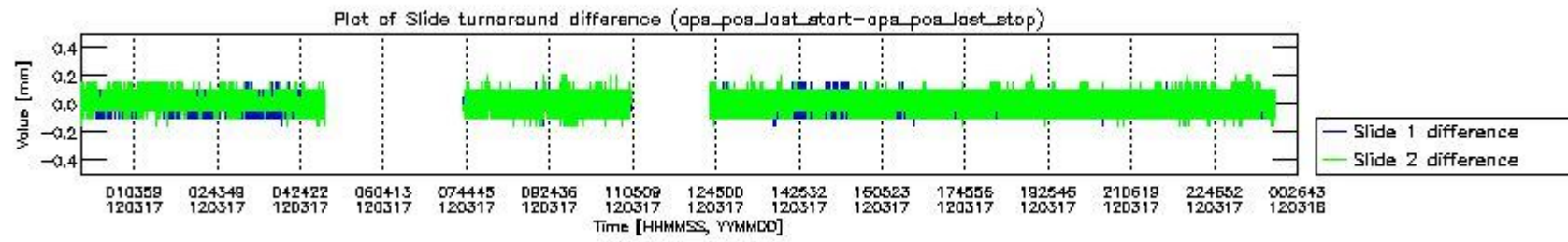
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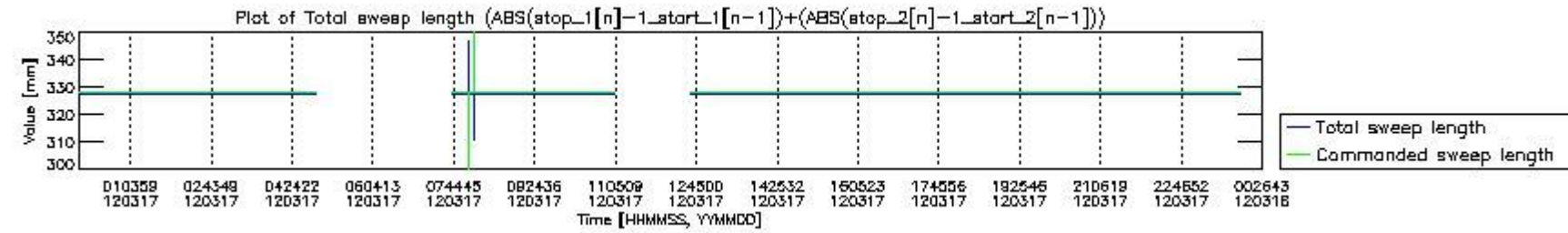
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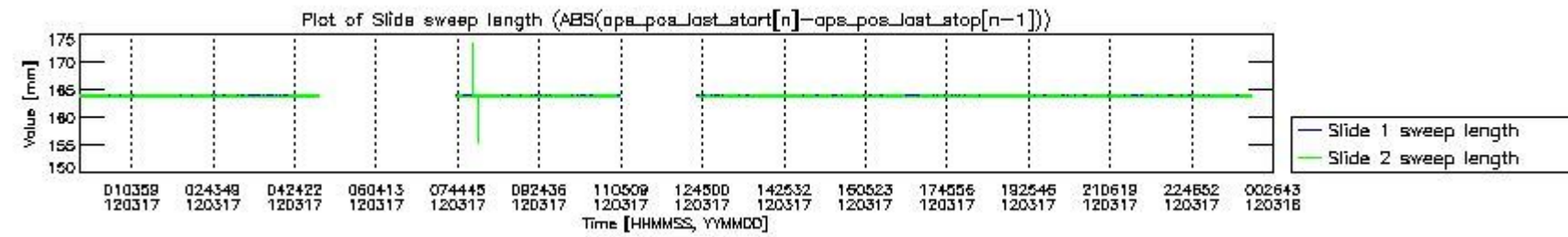
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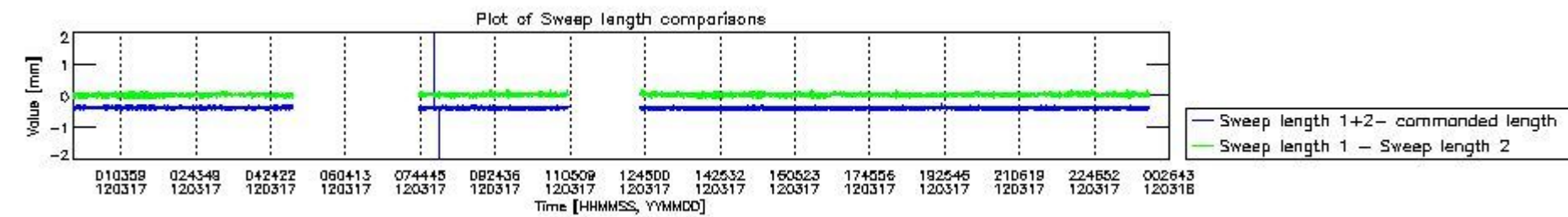
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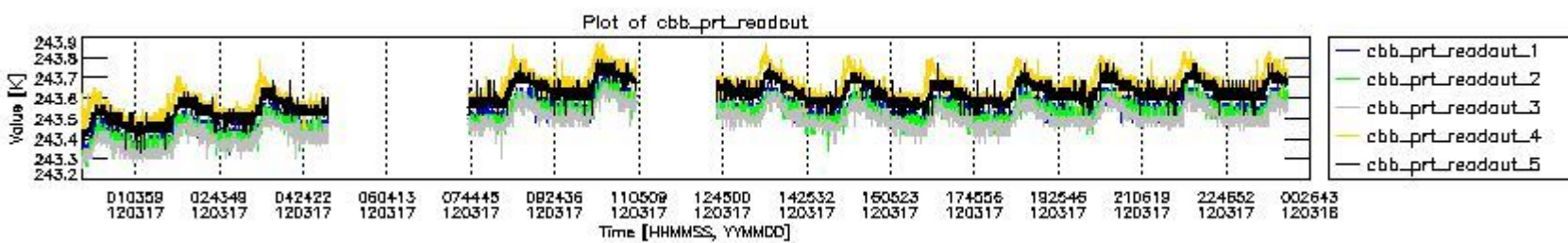
mipas_daily_report_level0_KSPT_L0_4504_N_20120317_6.PNG



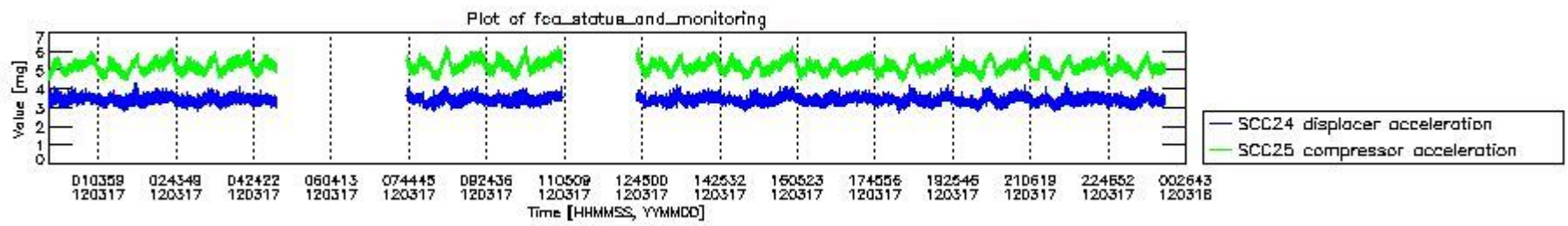
mipas_daily_report_level0_KSPT_L0_4504_N_20120317_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120317_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120317_9.PNG

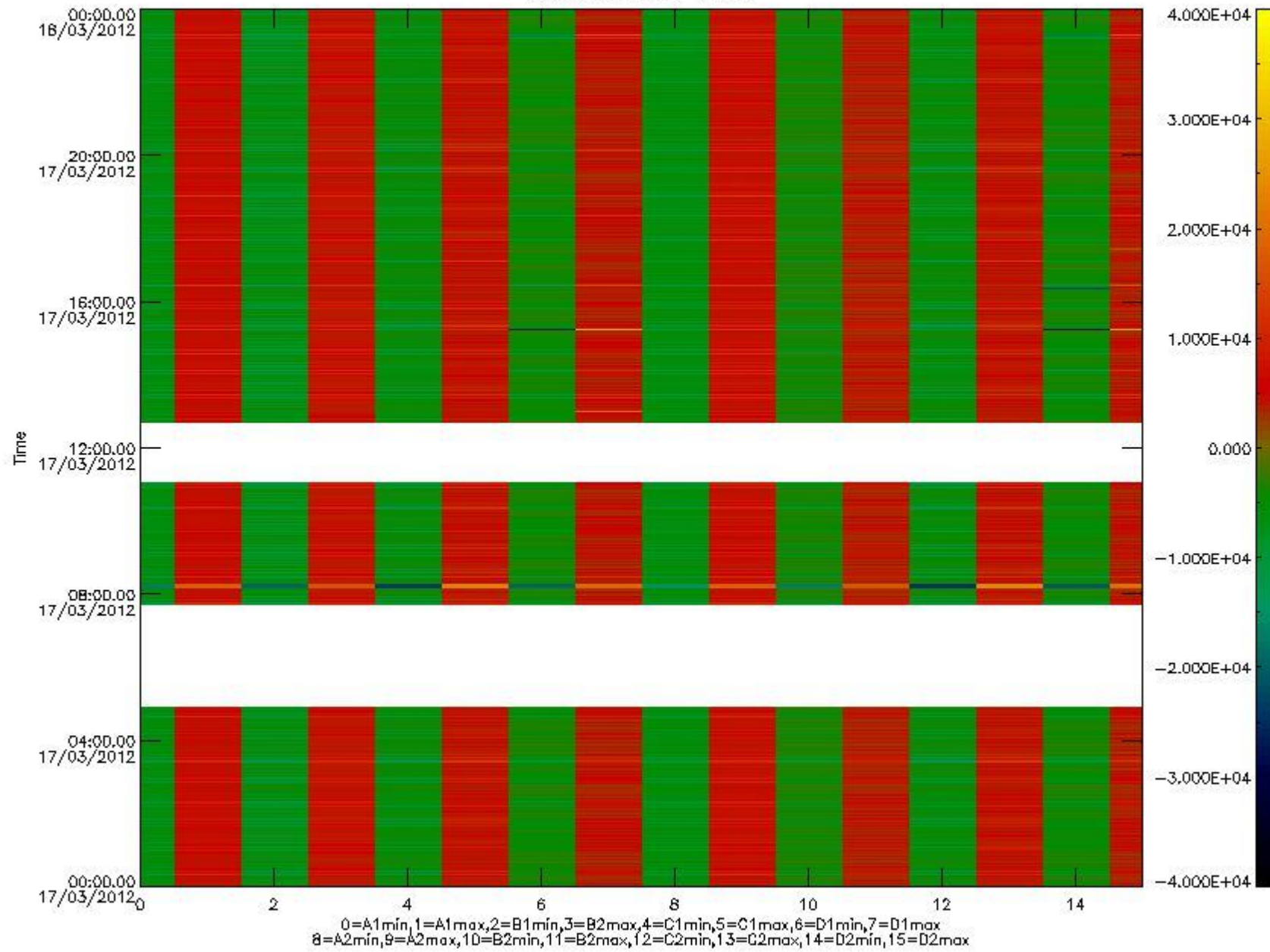


mipas_daily_report_level0_KSPT_L0_4504_N_20120317_10.PNG

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

Channel	Min	Max	ADC
A1	-17451	18386	16bit
B1	-19607	16975	16bit
C1	-24324	23468	16bit
D1	-29559	32767	16bit
A2	-15243	18637	16bit
B2	-17344	17116	16bit
C2	-24632	24383	16bit
D2	-32768	32566	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120317_11.PNG

0.3 ADF monitoring

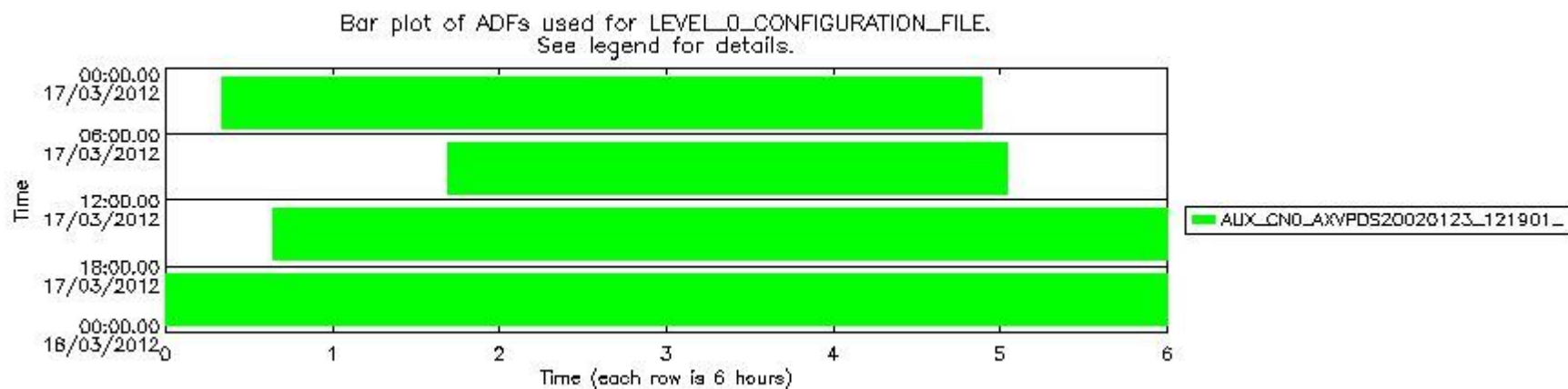
The use of ADFs is shown in two ways:

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.

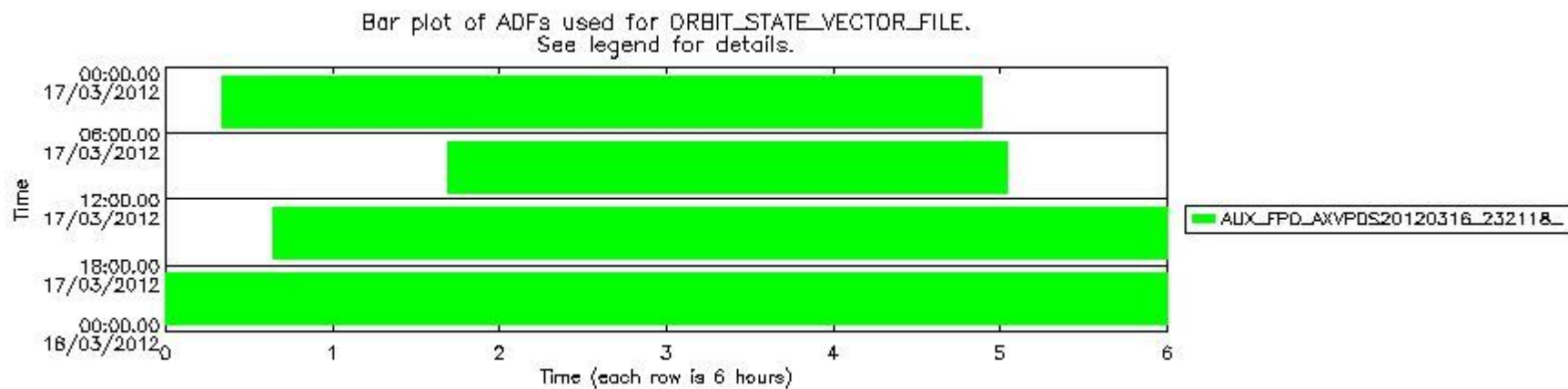
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120316_232118_20120316_193055_20120326_200422

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120317_002005_000058433112_00375_52544_1237.N1	0	1

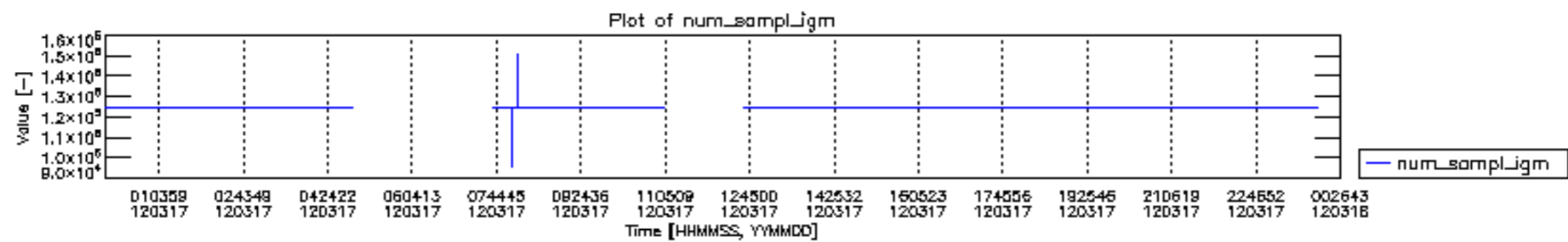
1	MIP_NL__0PNPDE20120317_015619_000045373112_00376_52545_1238.N1	0	1
2	MIP_NL__0PNPDE20120317_031123_000061293112_00377_52546_1239.N1	0	1
3	MIP_NL__0PNPDK20120317_074126_000060583112_00380_52549_8954.N1	0	1
4	MIP_NL__0PNPDK20120317_092140_000060393112_00381_52550_8955.N1	0	1
5	MIP_NL__0PNPDK20120317_123840_000059503112_00383_52552_8957.N1	0	1
6	MIP_NL__0PNPDK20120317_141647_000060043112_00384_52553_8958.N1	0	1
7	MIP_NL__0PNPDK20120317_155552_000058183112_00385_52554_8959.N1	0	1
8	MIP_NL__0PNPDK20120317_173152_000059023112_00386_52555_8960.N1	0	1
9	MIP_NL__0PNPDK20120317_190929_000061443112_00387_52556_8961.N1	0	1
10	MIP_NL__0PNPDE20120317_205048_000043223112_00388_52557_1241.N1	0	1
11	MIP_NL__0PNPDE20120317_220148_000061693112_00388_52557_1242.N1	0	1
12	MIP_NL__0PNPDE20120317_234341_000060213112_00389_52558_1243.N1	0	1

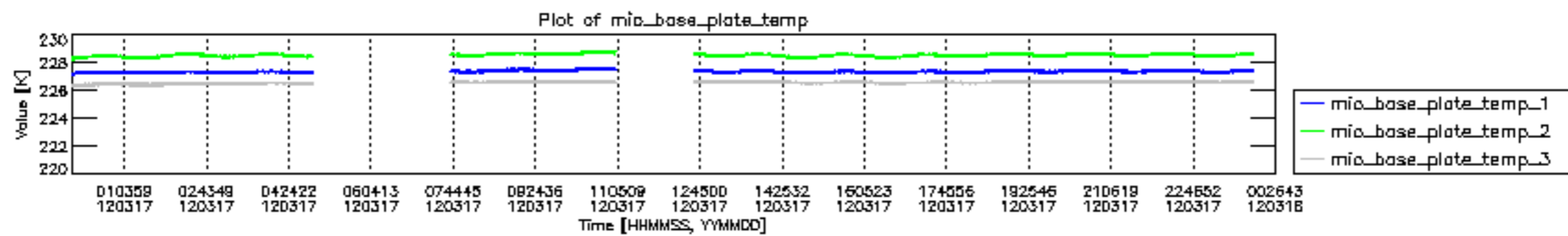


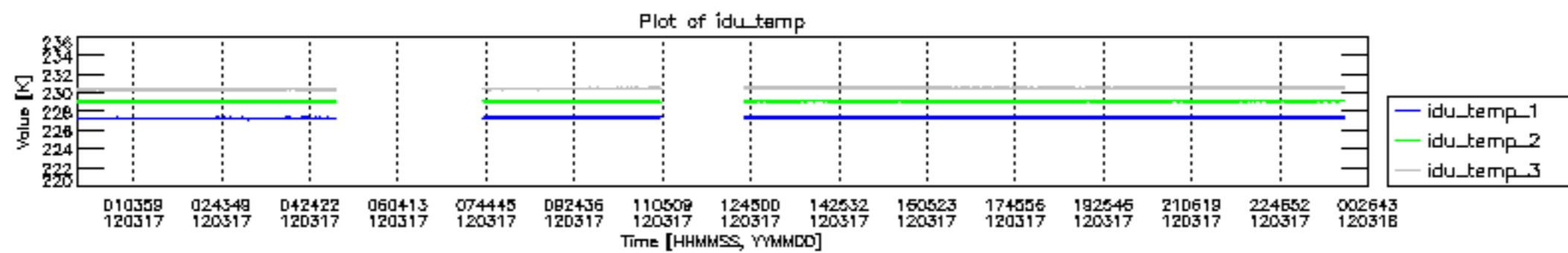
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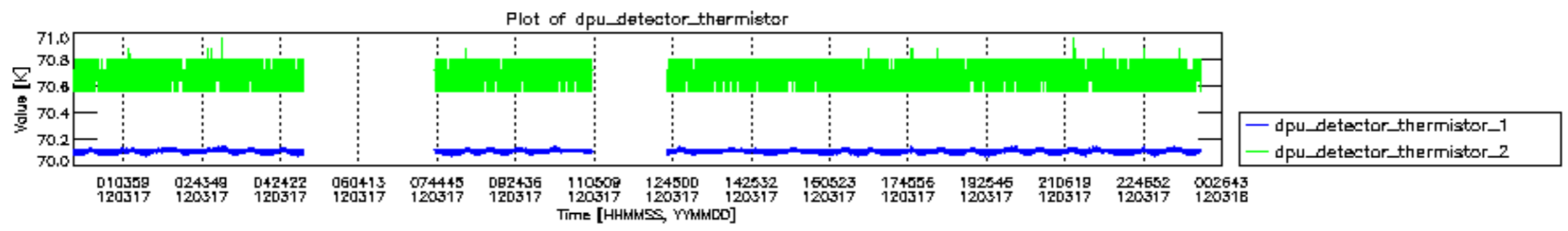


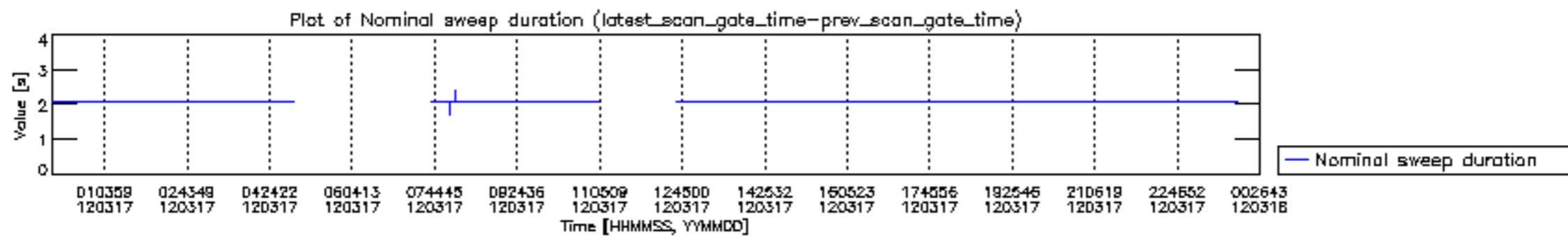
mipas_daily_report_level0_KSPT_L0_4504_N_20120317_13.PNG

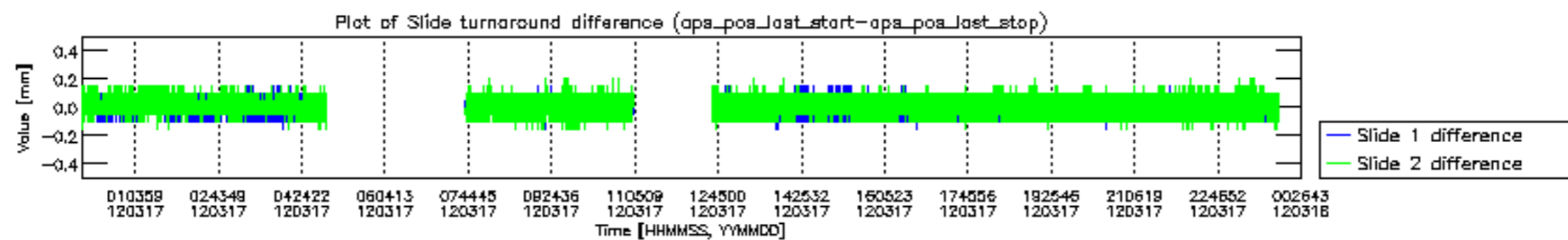


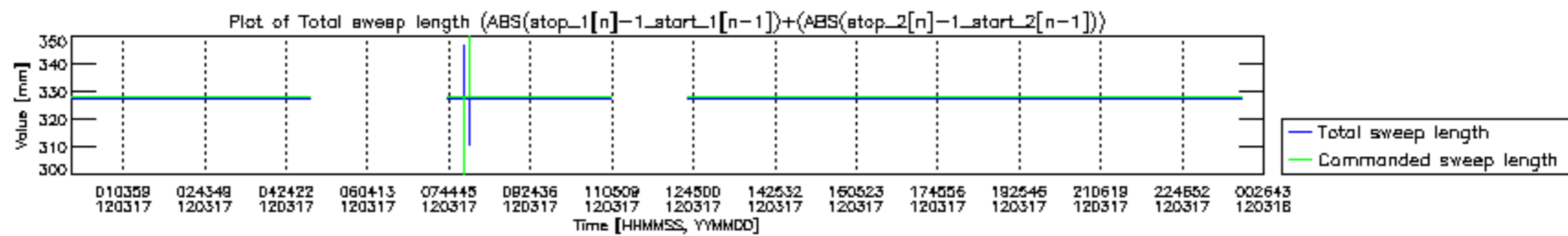


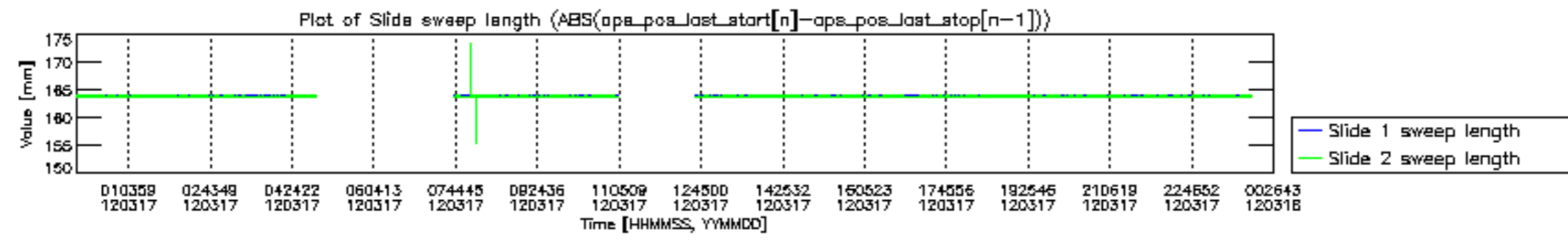


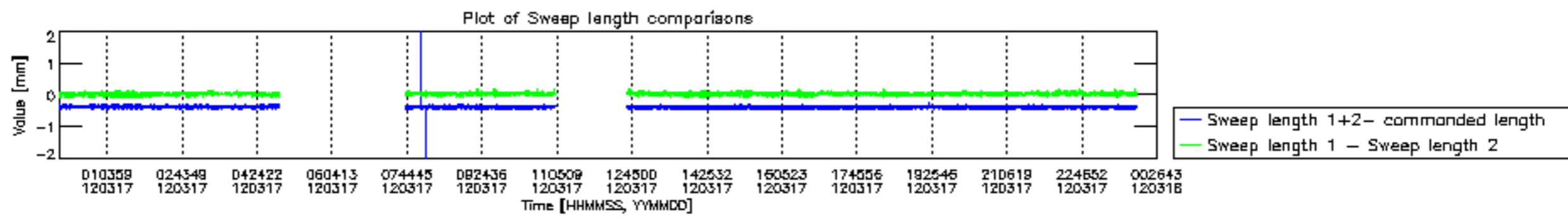


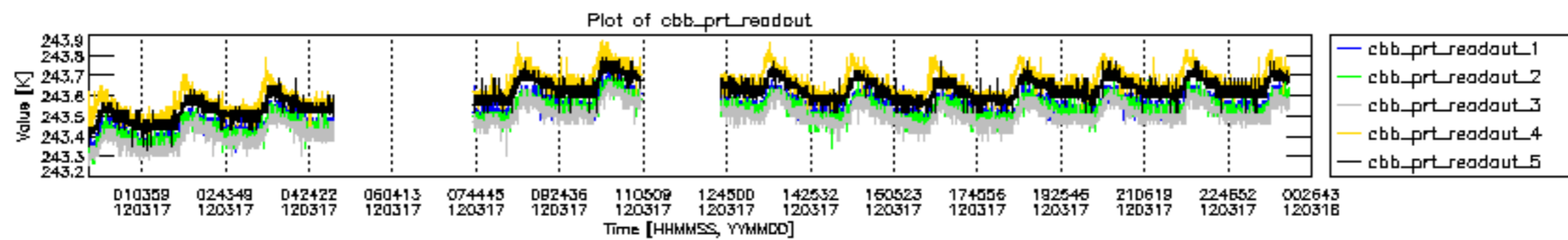


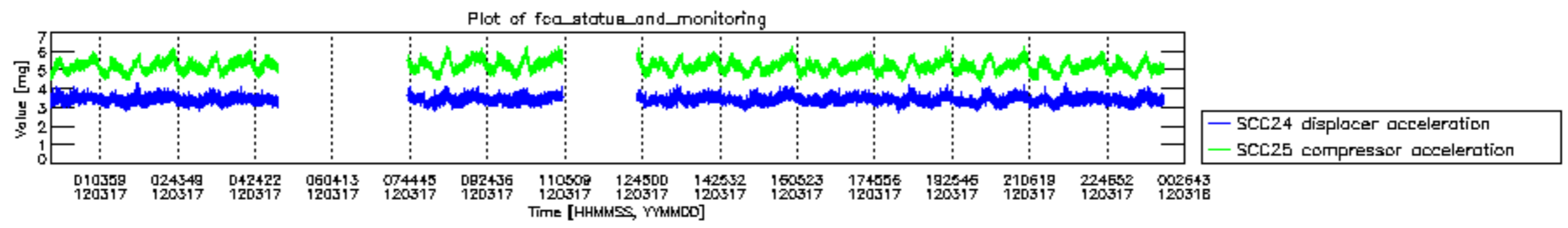












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

