

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	17MAY2011 05:23:45
Data source version	KSPT_L0/4504-N
Processing scope for products	12MAY2011 00:00:00 to 13MAY2011 00:00:00
Start time of first product within scope	12MAY2011 01:22:31
Stop time of last product within scope	13MAY2011 00:48:28
Total number of level 0 products	14
Number of level 0 products with errors	2

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__0PNPDE20110512_012231_000103413102_00232_48091_8744.N1	12MAY2011 01:22:31	12MAY2011 04:14:52	0	0	0	0	0
1	MIP_NL__0PNPDE20110512_041419_000061943102_00234_48093_8745.N1	12MAY2011 04:14:19	12MAY2011 05:57:33	0	0	0	0	0
2	MIP_NL__0PNPDE20110512_055659_000062183102_00235_48094_8746.N1	12MAY2011 05:56:59	12MAY2011 07:40:37	0	0	0	0	0
3	MIP_NL__0PNPDK20110512_074003_000038613102_00236_48095_5182.N1	12MAY2011 07:40:03	12MAY2011 08:44:24	0	0	0	0	0
4	MIP_NL__0PNPDK20110512_084353_000061483102_00237_48096_5183.N1	12MAY2011 08:43:53	12MAY2011 10:26:21	1	1	0	0	0
5	MIP_NL__0PNPDK20110512_102539_000059753102_00238_48097_5184.N1	12MAY2011 10:25:39	12MAY2011 12:05:14	0	0	0	0	0
6	MIP_NL__0PNPDK20110512_120440_000059043102_00239_48098_5185.N1	12MAY2011 12:04:40	12MAY2011 13:43:04	0	0	0	0	0
7	MIP_NL__0PNPDK20110512_134220_000059253102_00240_48099_5186.N1	12MAY2011 13:42:20	12MAY2011 15:21:05	1	1	0	0	0
8	MIP_NL__0PNPDK20110512_152023_000059313102_00241_48100_5187.N1	12MAY2011 15:20:23	12MAY2011 16:59:14	0	0	0	0	0
9	MIP_NL__0PNPDK20110512_165824_000058933102_00242_48101_5188.N1	12MAY2011 16:58:24	12MAY2011 18:36:37	0	0	0	0	0
10	MIP_NL__0PNPDK20110512_183507_000059833102_00243_48102_5189.N1	12MAY2011 18:35:07	12MAY2011 20:14:50	0	0	0	0	0
11	MIP_NL__0PNPDE20110512_201318_000044293102_00244_48103_8747.N1	12MAY2011 20:13:18	12MAY2011 21:27:07	0	0	0	0	0
12	MIP_NL__0PNPDE20110512_212602_000061563102_00244_48103_8748.N1	12MAY2011 21:26:02	12MAY2011 23:08:38	0	0	0	0	0
13	MIP_NL__0PNPDE20110512_230738_000060503102_00245_48104_8749.N1	12MAY2011 23:07:38	13MAY2011 00:48:28	0	0	0	0	0

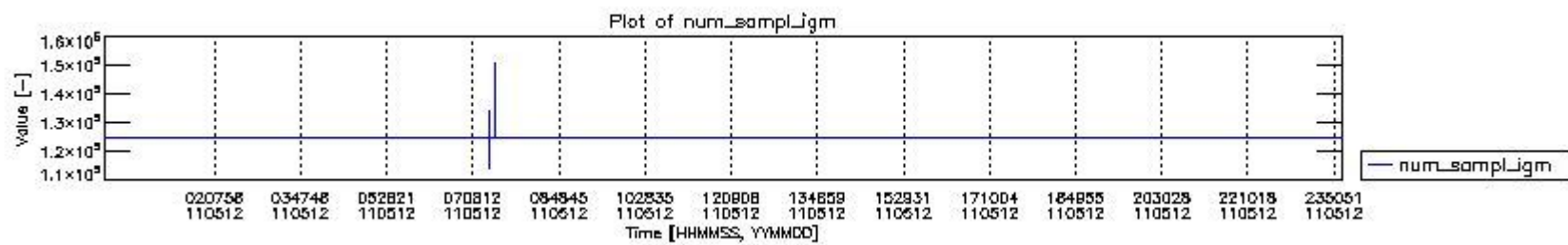
0.2 Instrument Operational Performance Parameters

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.

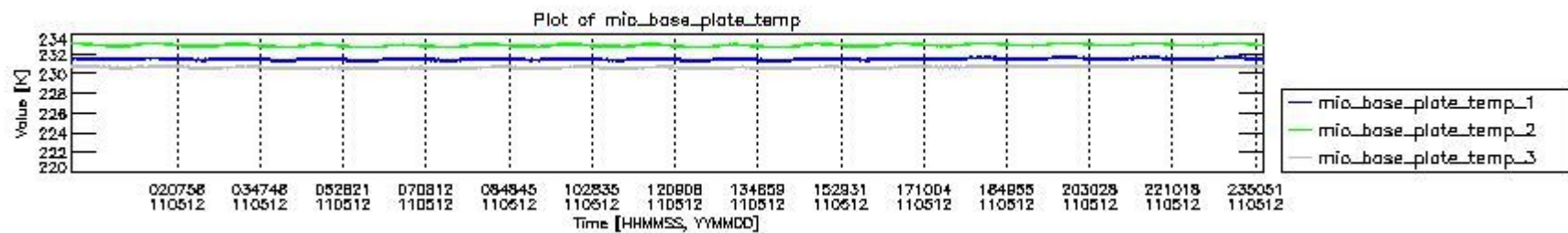
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
113778	1	0.0024045976
122888	1	0.0024045976
124800	38632	92.894414
124803	2949	7.0911583

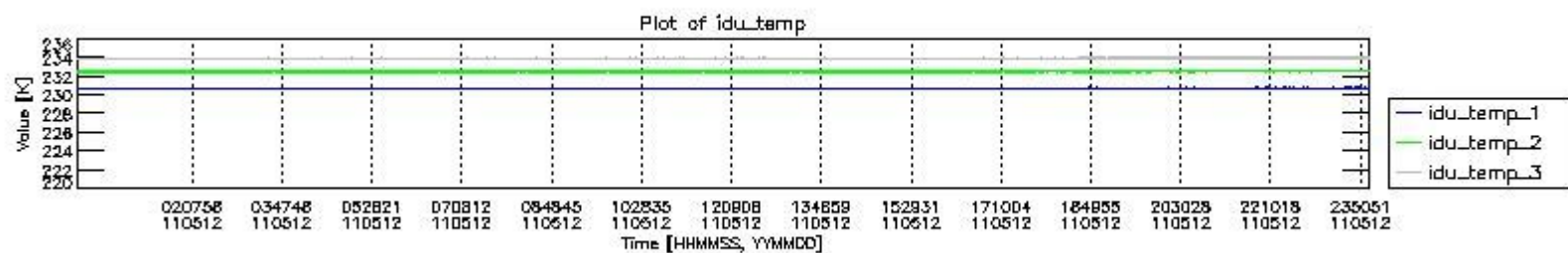
127828	1	0.0024045976
133910	1	0.0024045976
147960	1	0.0024045976
150988	1	0.0024045976



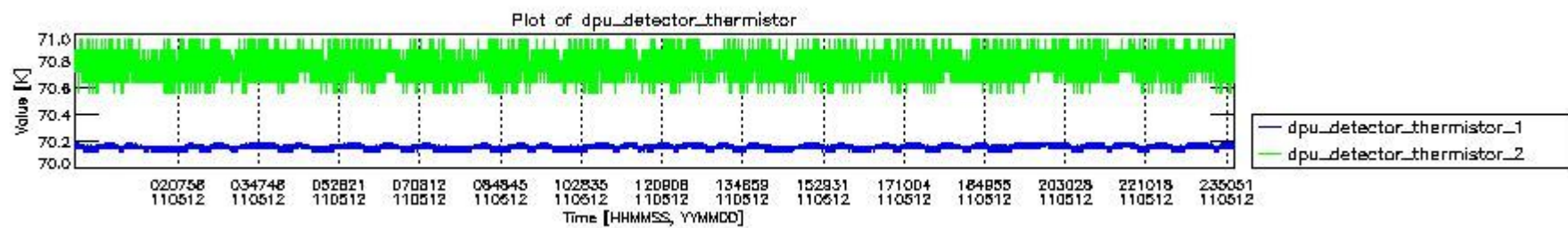
mipas_daily_report_level0_KSPT_L0_4504_N_20110512_0.PNG



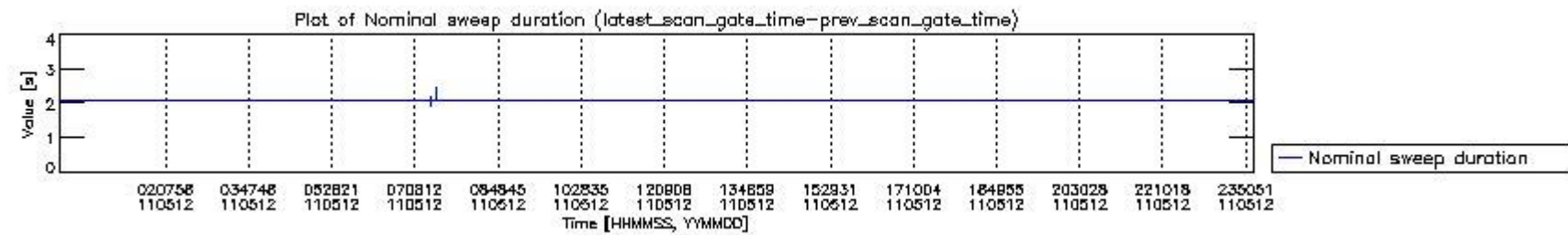
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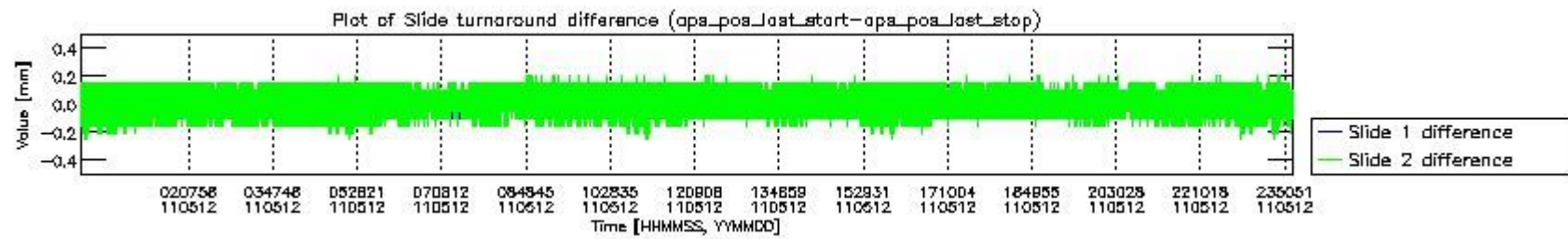
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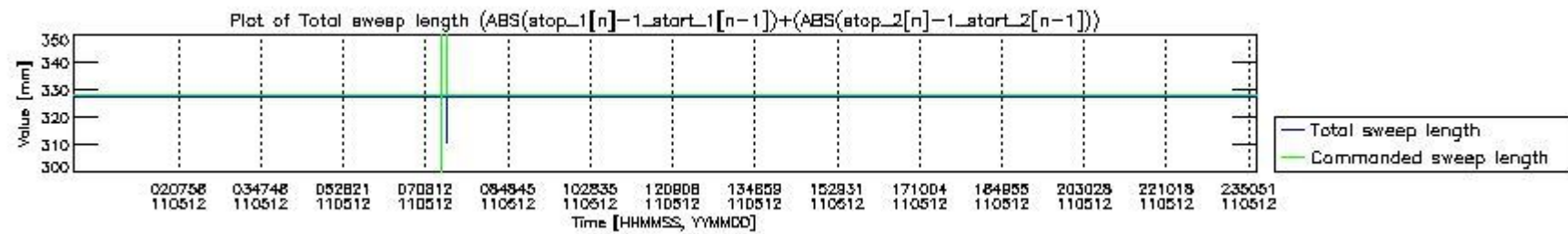
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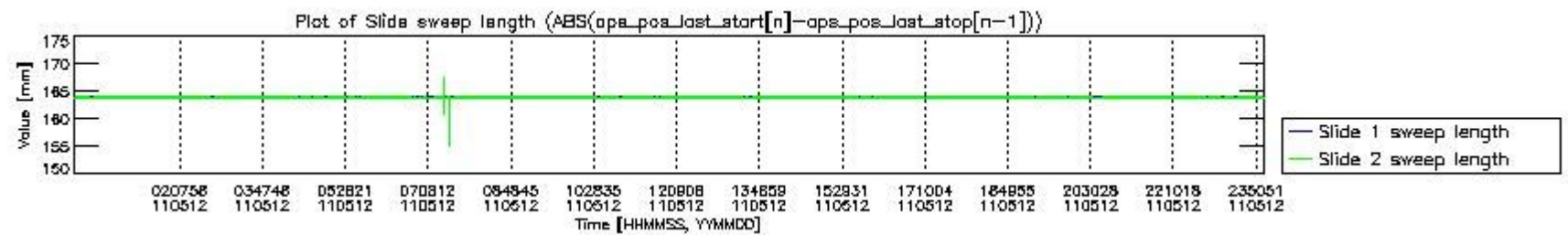
mipas_daily_report_level0_KSPT_L0_4504_N_20110512_4.PNG



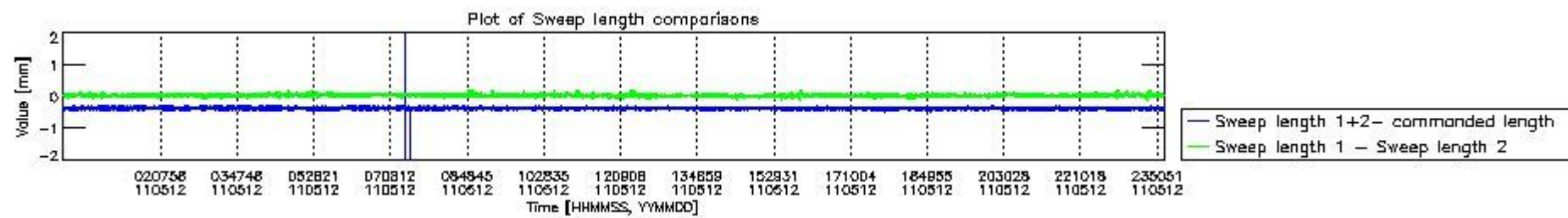
mipas_daily_report_level0_KSPT_L0_4504_N_20110512_5.PNG



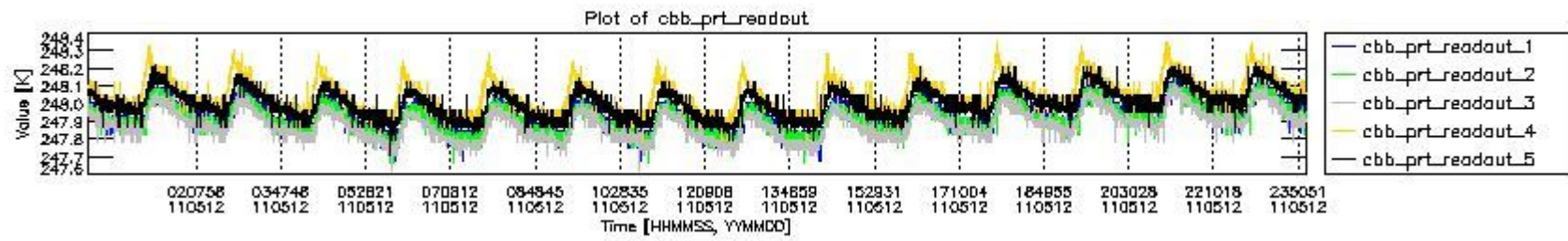
mipas_daily_report_level0_KSPT_L0_4504_N_20110512_6.PNG



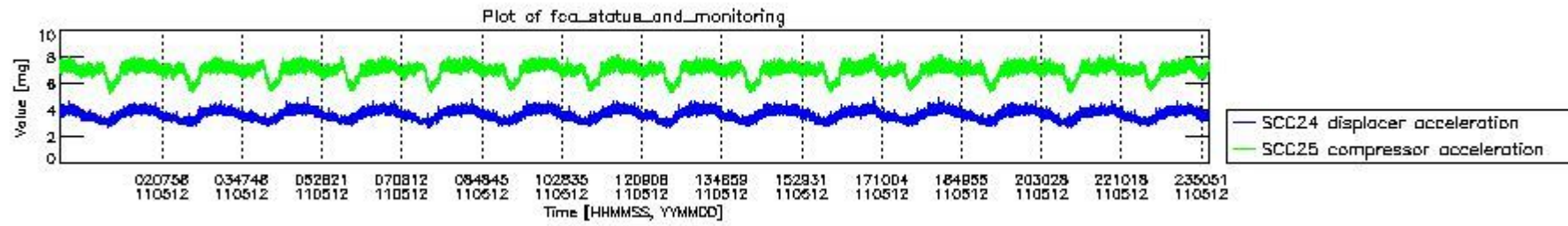
mipas_daily_report_level0_KSPT_L0_4504_N_20110512_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110512_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110512_9.PNG

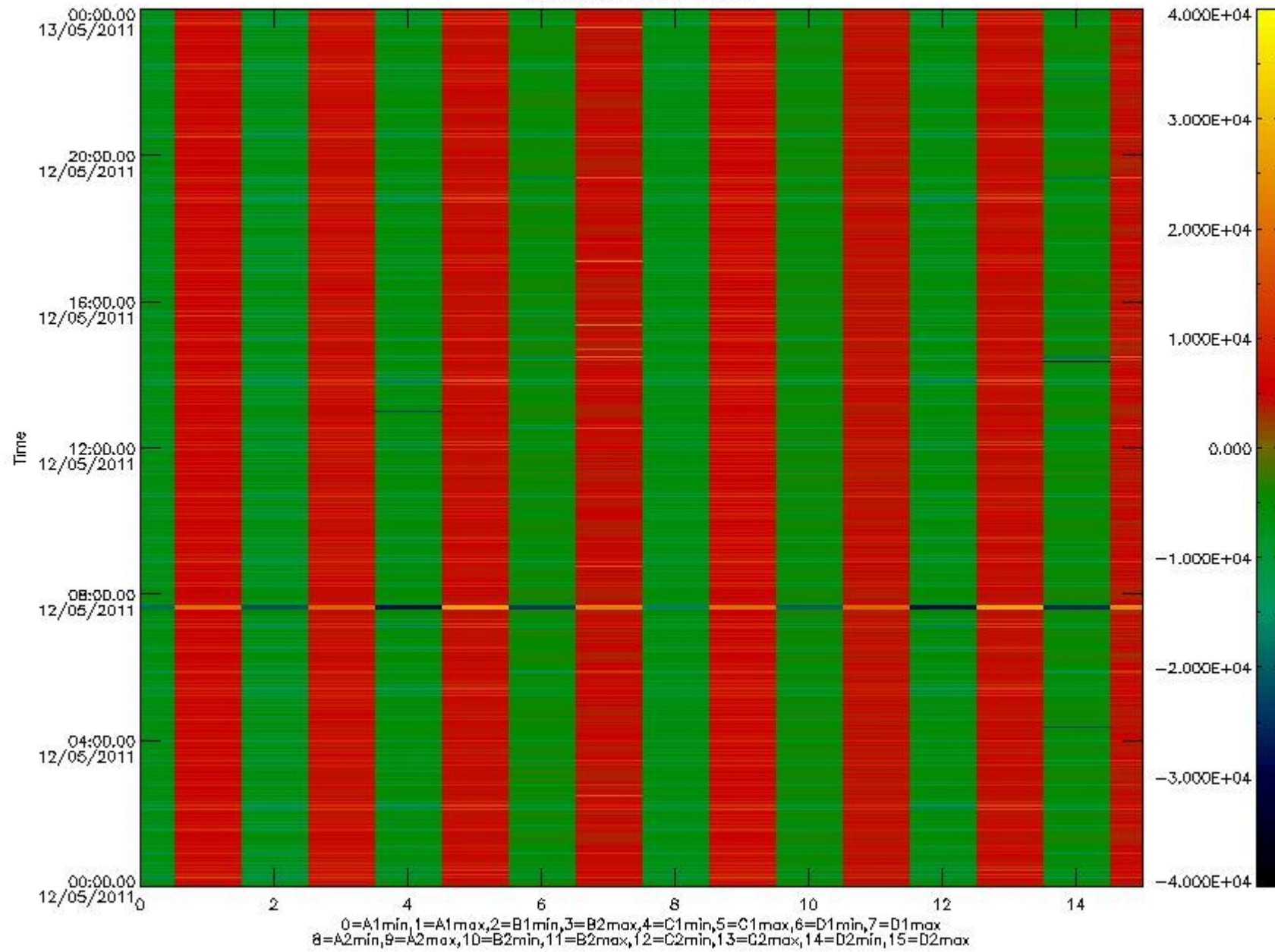


mipas_daily_report_level0_KSPT_L0_4504_N_20110512_10.PNG

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

Channel	Min	Max	ADC
A1	-19281	20753	16bit
B1	-22621	19050	16bit
C1	-27995	27972	16bit
D1	-32768	32767	16bit
A2	-16597	20911	16bit
B2	-21005	20192	16bit
C2	-29092	28765	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_20110512_11.PNG

0.3 ADF monitoring

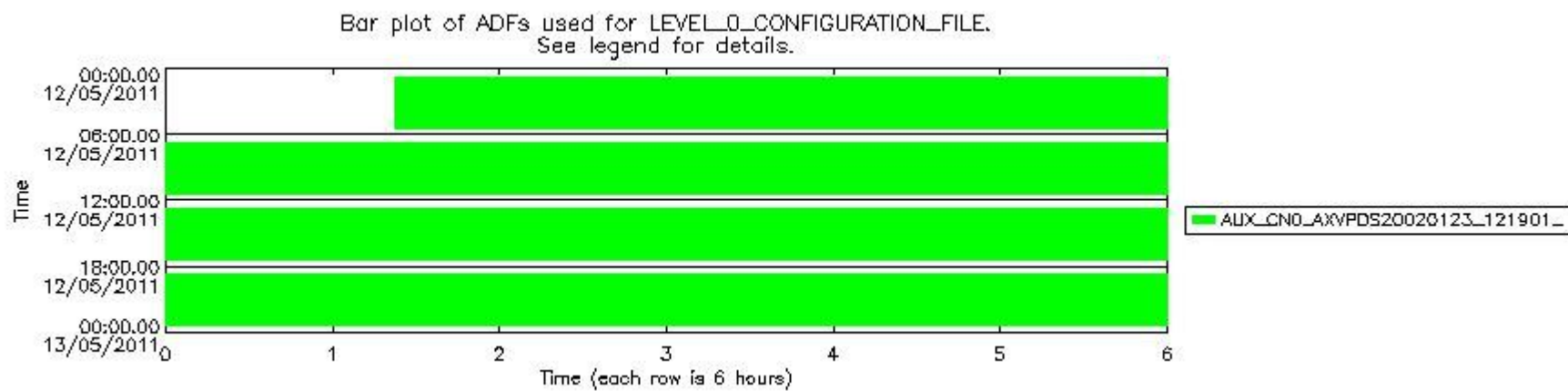
The use of ADFs is shown in two ways:

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.

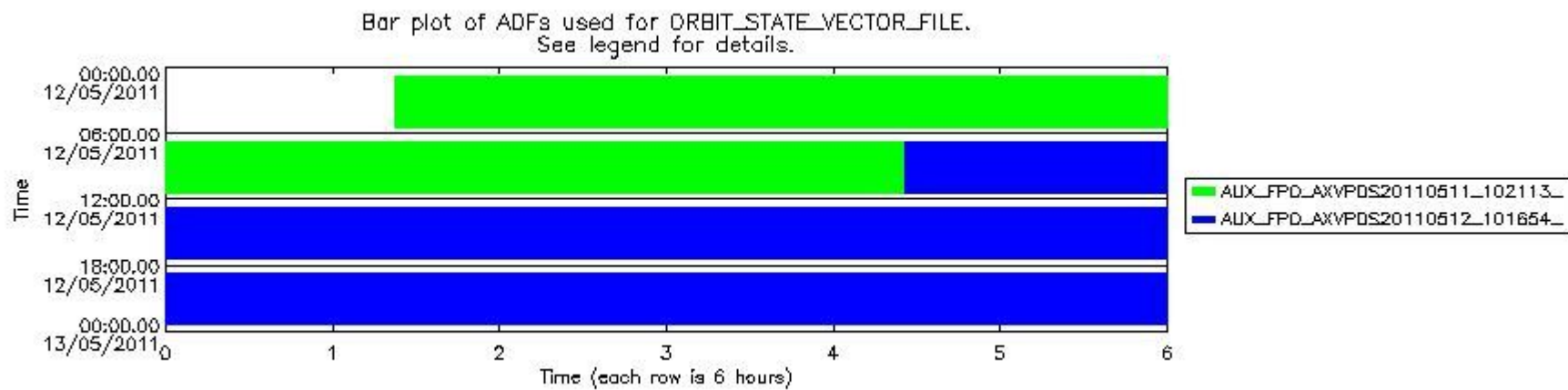
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110511_102113_20110510_193132_20110520_200506
2	AUX_FPO_AXVPDS20110512_101654_20110511_185448_20110521_210836

Number	Product name	#CNO	#FPO
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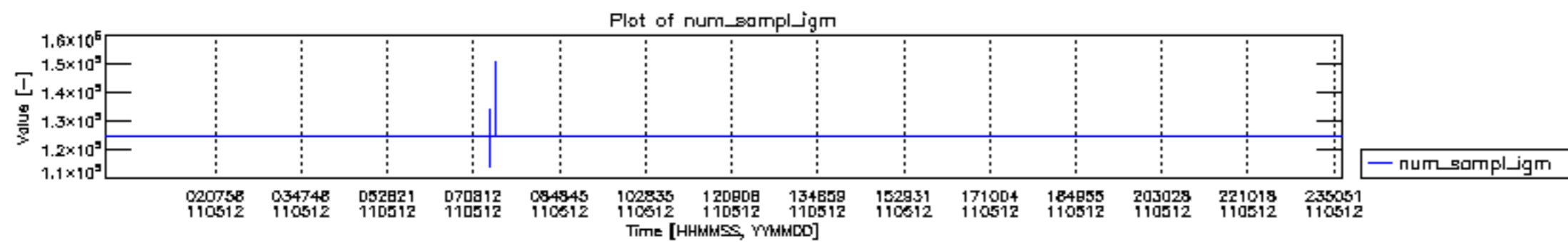
0	MIP_NL__0PNPDE20110512_012231_000103413102_00232_48091_8744.N1	0	1
1	MIP_NL__0PNPDE20110512_041419_000061943102_00234_48093_8745.N1	0	1
2	MIP_NL__0PNPDE20110512_055659_000062183102_00235_48094_8746.N1	0	1
3	MIP_NL__0PNPDK20110512_074003_000038613102_00236_48095_5182.N1	0	1
4	MIP_NL__0PNPDK20110512_084353_000061483102_00237_48096_5183.N1	0	1
5	MIP_NL__0PNPDK20110512_102539_000059753102_00238_48097_5184.N1	0	2
6	MIP_NL__0PNPDK20110512_120440_000059043102_00239_48098_5185.N1	0	2
7	MIP_NL__0PNPDK20110512_134220_000059253102_00240_48099_5186.N1	0	2
8	MIP_NL__0PNPDK20110512_152023_000059313102_00241_48100_5187.N1	0	2
9	MIP_NL__0PNPDK20110512_165824_000058933102_00242_48101_5188.N1	0	2
10	MIP_NL__0PNPDK20110512_183507_000059833102_00243_48102_5189.N1	0	2
11	MIP_NL__0PNPDE20110512_201318_000044293102_00244_48103_8747.N1	0	2
12	MIP_NL__0PNPDE20110512_212602_000061563102_00244_48103_8748.N1	0	2
13	MIP_NL__0PNPDE20110512_230738_000060503102_00245_48104_8749.N1	0	2

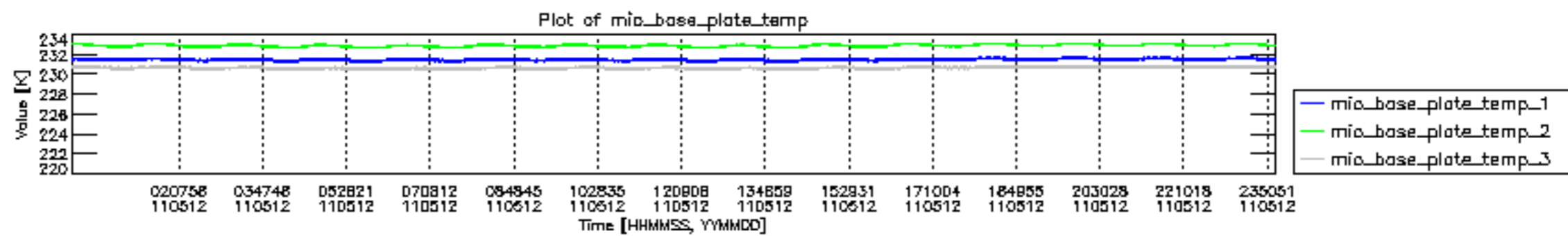


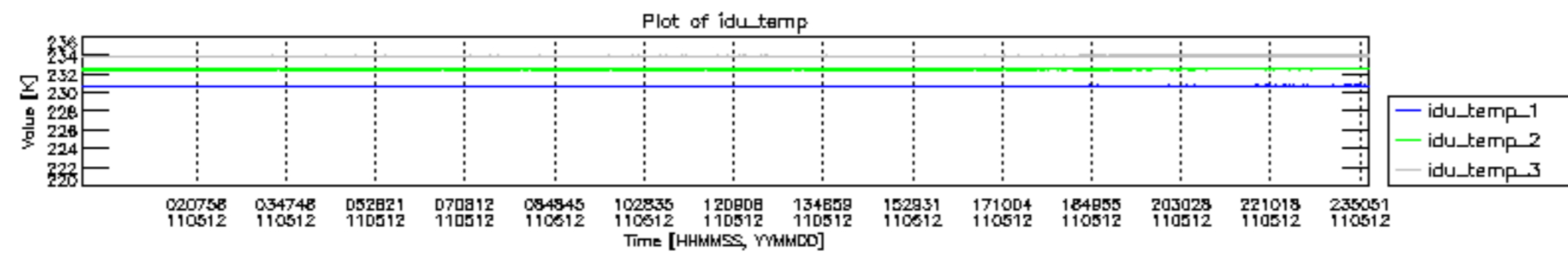
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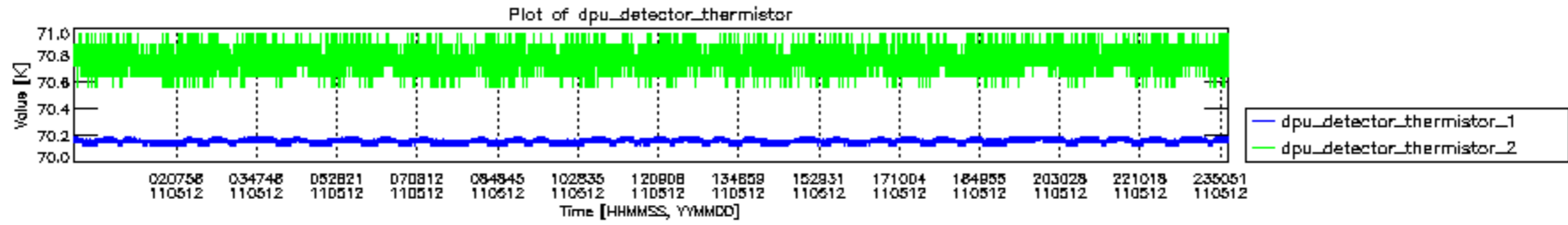


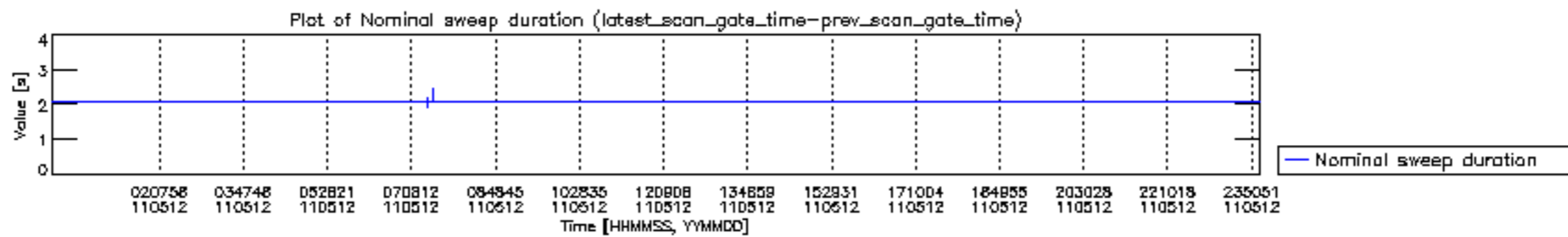
mipas_daily_report_level0_KSPT_L0_4504_N_20110512_13.PNG

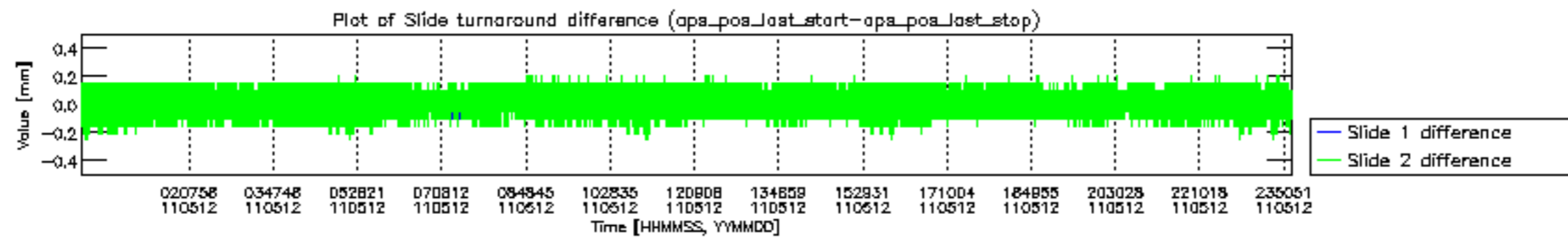


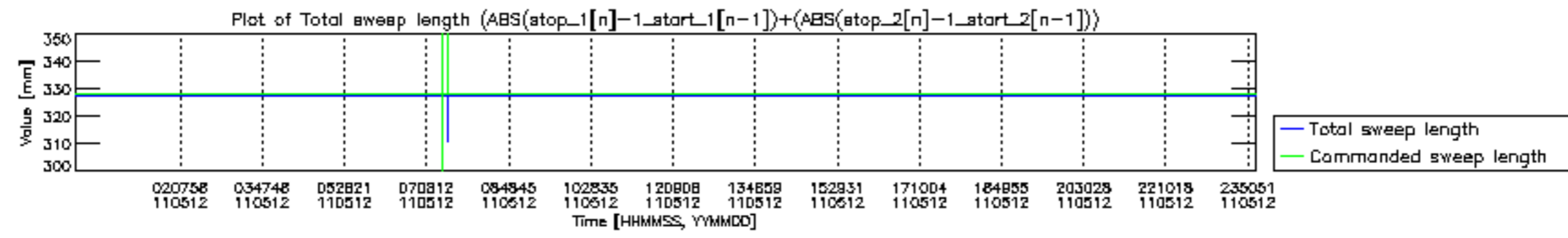


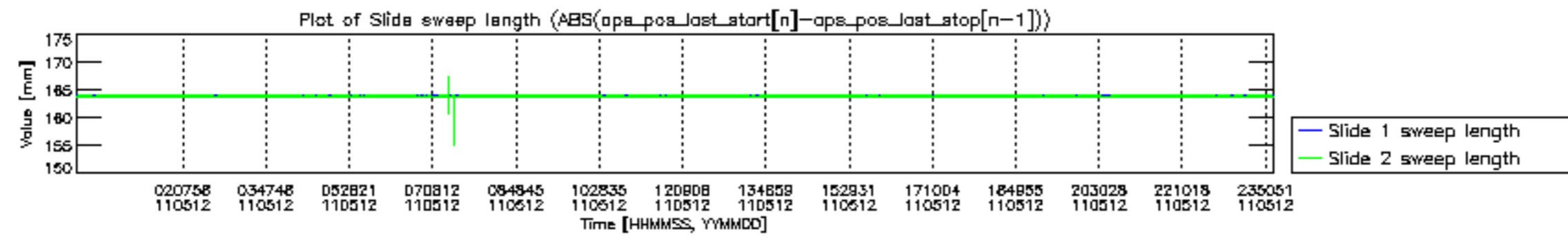


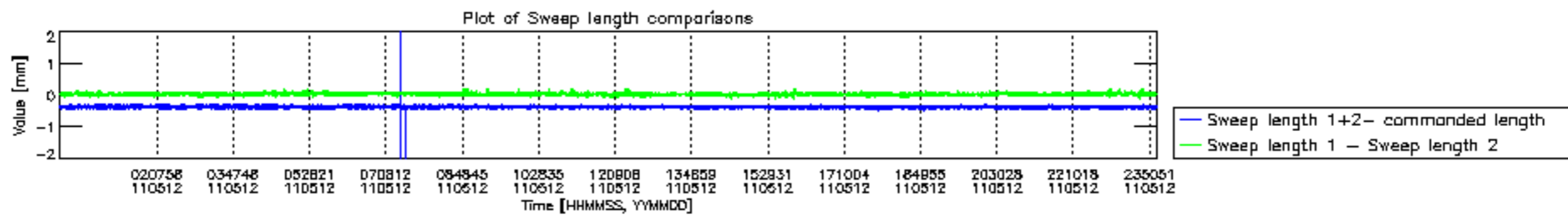


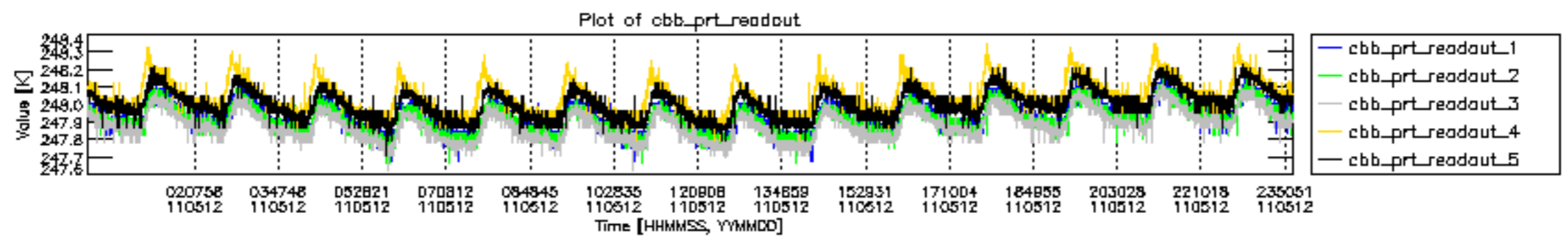


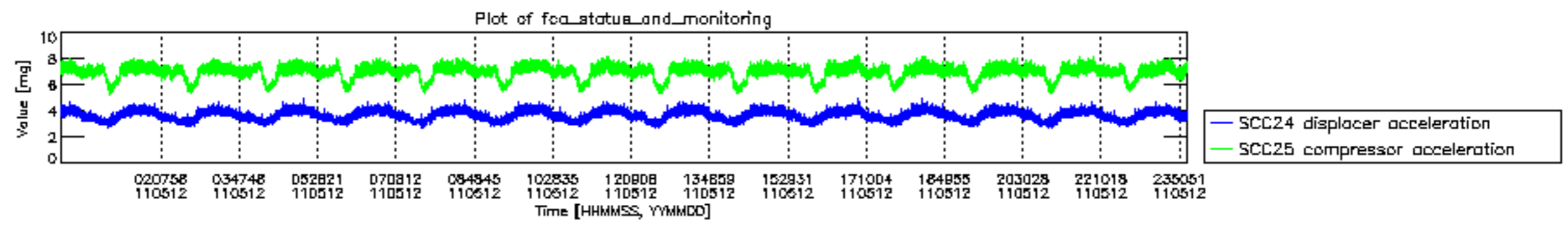












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

