

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	13MAR2012 05:22:55
Data source version	KSPT_L0/4504-N
Processing scope for products	08MAR2012 00:00:00 to 09MAR2012 00:00:00
Start time of first product within scope	08MAR2012 00:50:23
Stop time of last product within scope	09MAR2012 00:14:53
Total number of level 0 products	11
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.

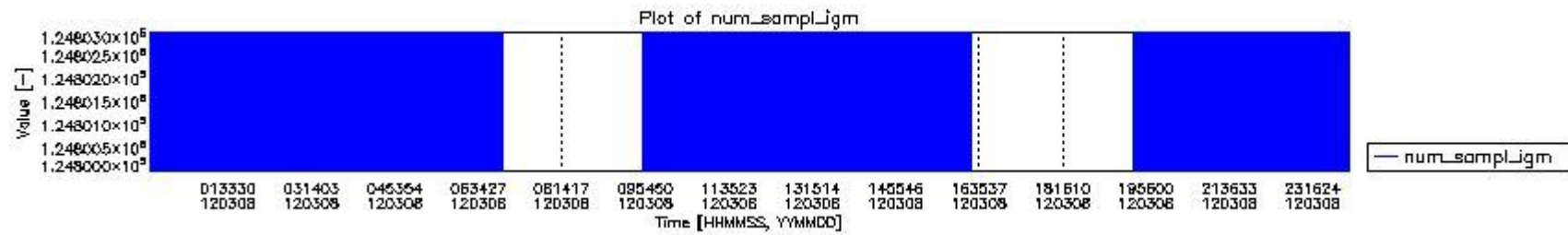
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120308_005023_000058183112_00246_52415_1180.N1	08MAR2012 00:50:23	08MAR2012 02:27:21	0	0	0	0	0
1	MIP_NL__0PNPDE20120308_022614_000045673112_00247_52416_1181.N1	08MAR2012 02:26:14	08MAR2012 03:42:21	0	0	0	0	0
2	MIP_NL__0PNPDE20120308_034147_000061273112_00248_52417_1182.N1	08MAR2012 03:41:47	08MAR2012 05:23:55	0	0	0	0	0
3	MIP_NL__0PNPDE20120308_052321_000060523112_00249_52418_1183.N1	08MAR2012 05:23:21	08MAR2012 07:04:13	0	0	0	0	0
4	MIP_NL__0PNPDK20120308_095143_000059683112_00252_52421_8820.N1	08MAR2012 09:51:43	08MAR2012 11:31:11	0	0	0	0	0
5	MIP_NL__0PNPDK20120308_112939_000060503112_00253_52422_8821.N1	08MAR2012 11:29:39	08MAR2012 13:10:29	0	0	0	0	0
6	MIP_NL__0PNPDK20120308_130933_000057933112_00254_52423_8822.N1	08MAR2012 13:09:33	08MAR2012 14:46:06	0	0	0	0	0
7	MIP_NL__0PNPDK20120308_144429_000060193112_00255_52424_8823.N1	08MAR2012 14:44:29	08MAR2012 16:24:48	0	0	0	0	0
8	MIP_NL__0PNPDK20120308_194001_000061483112_00258_52427_8826.N1	08MAR2012 19:40:01	08MAR2012 21:22:30	0	0	0	0	0
9	MIP_NL__0PNPDE20120308_212139_000042743112_00259_52428_1184.N1	08MAR2012 21:21:39	08MAR2012 22:32:54	0	0	0	0	0
10	MIP_NL__0PNPDE20120308_223151_000061823112_00259_52428_1185.N1	08MAR2012 22:31:51	09MAR2012 00:14:53	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

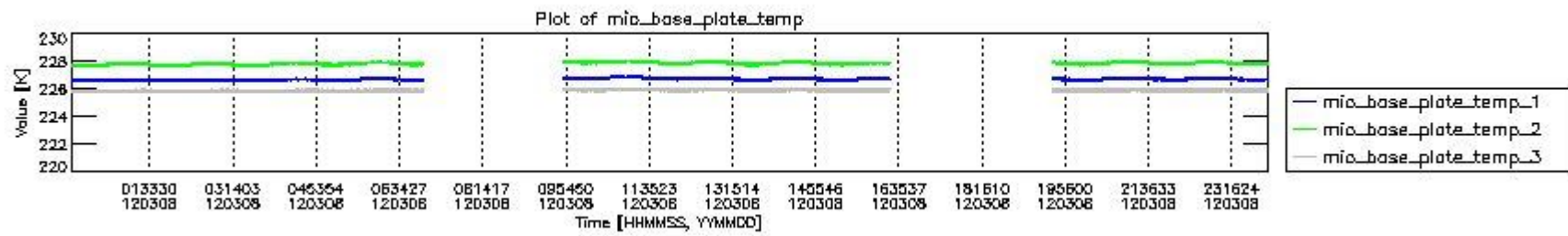
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

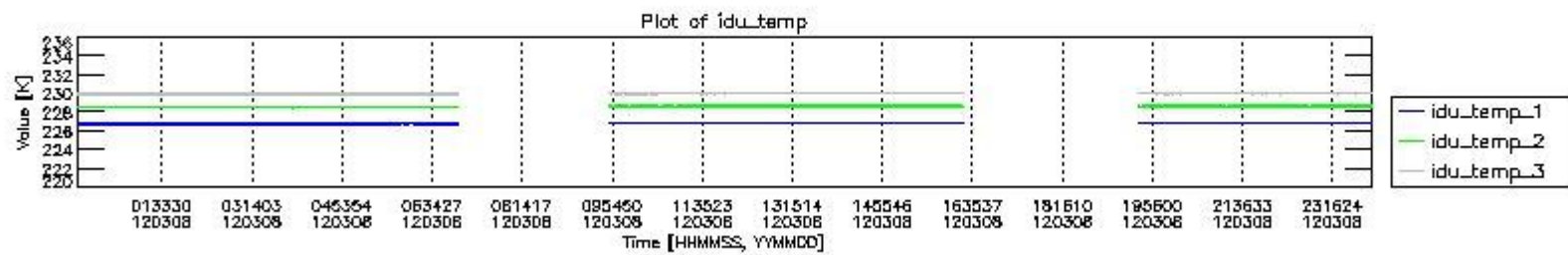
Number of igm samples	Count [#]	Count [%]
124800	28843	92.835302
124803	2226	7.1646979



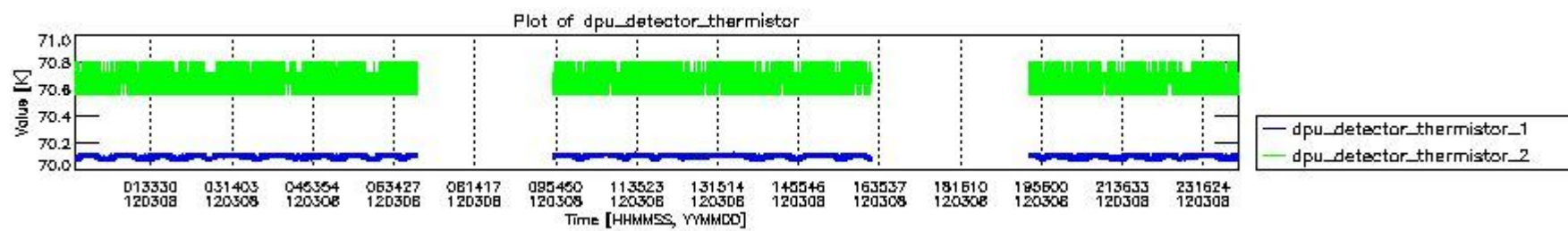
mipas_daily_report_level0_KSPT_L0_4504_N_20120308_0.PNG



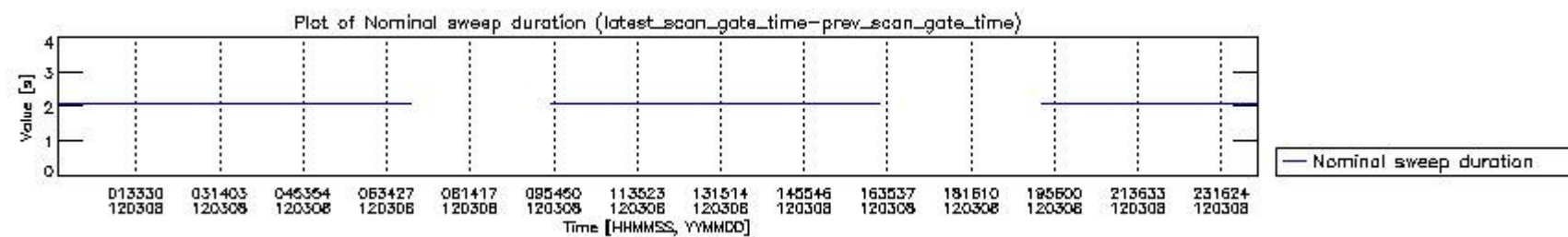
mipas_daily_report_level0_KSPT_L0_4504_N_20120308_1.PNG



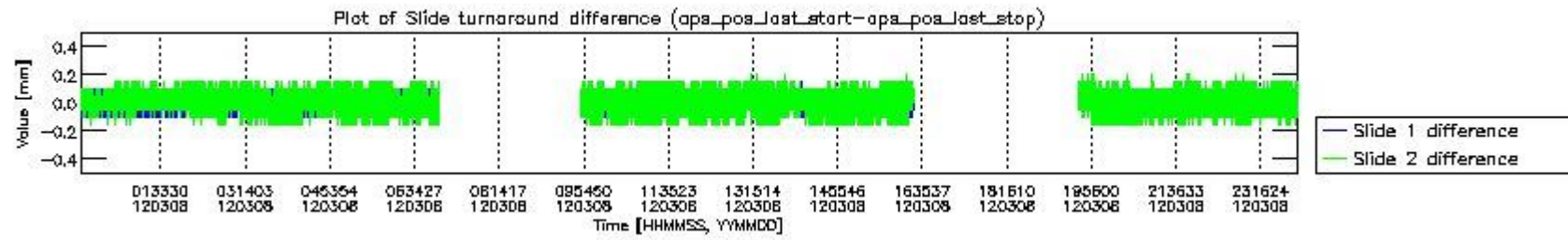
mipas_daily_report_level0_KSPT_L0_4504_N_20120308_2.PNG



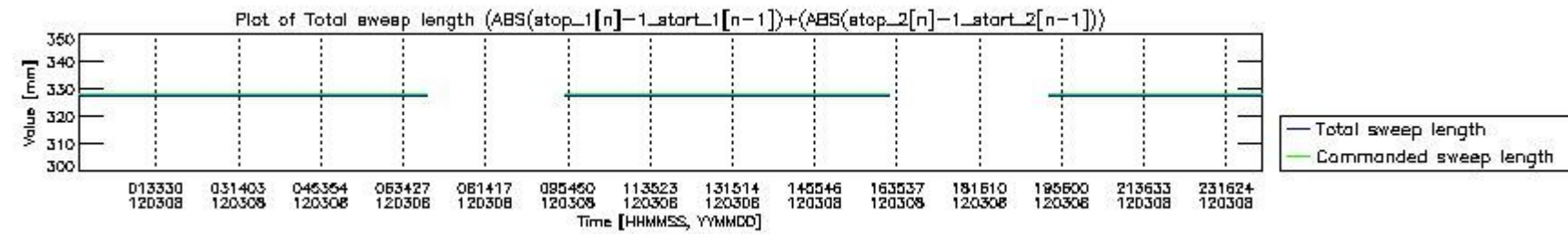
mipas_daily_report_level0_KSPT_L0_4504_N_20120308_3.PNG



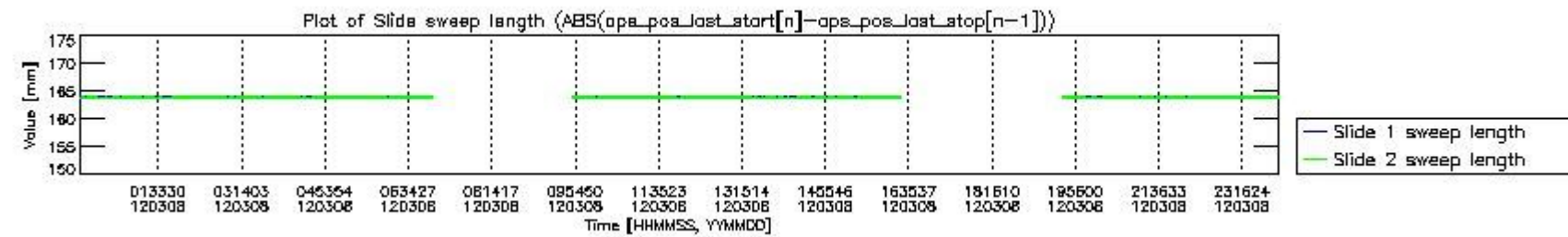
mipas_daily_report_level0_KSPT_L0_4504_N_20120308_4.PNG



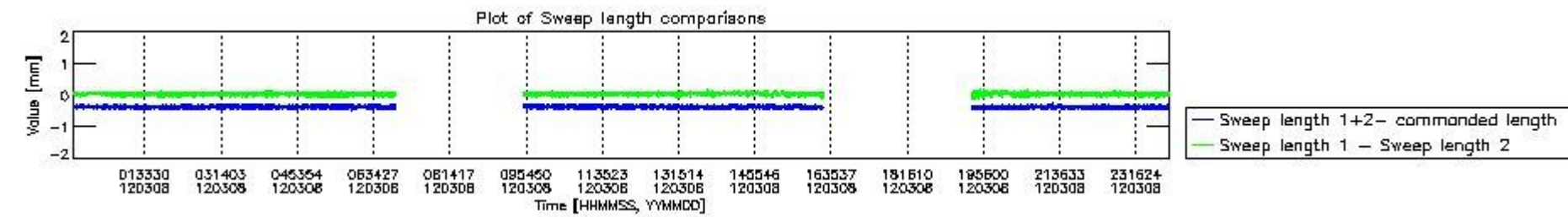
mipas_daily_report_level0_KSPT_L0_4504_N_20120308_5.PNG



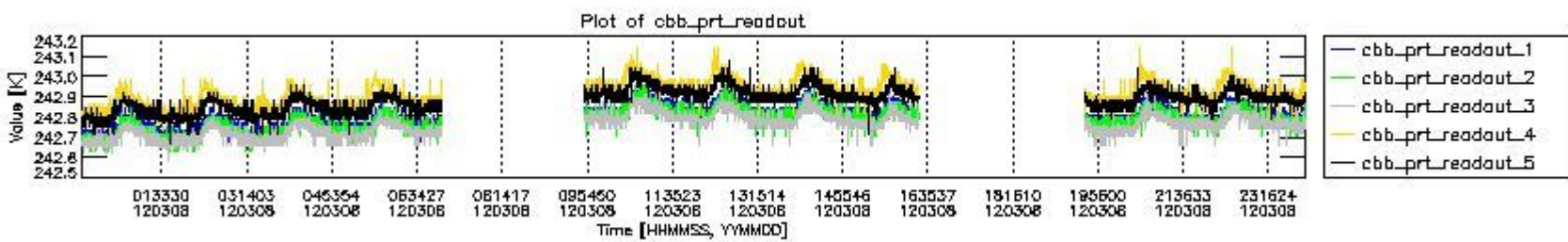
mipas_daily_report_level0_KSPT_L0_4504_N_20120308_6.PNG



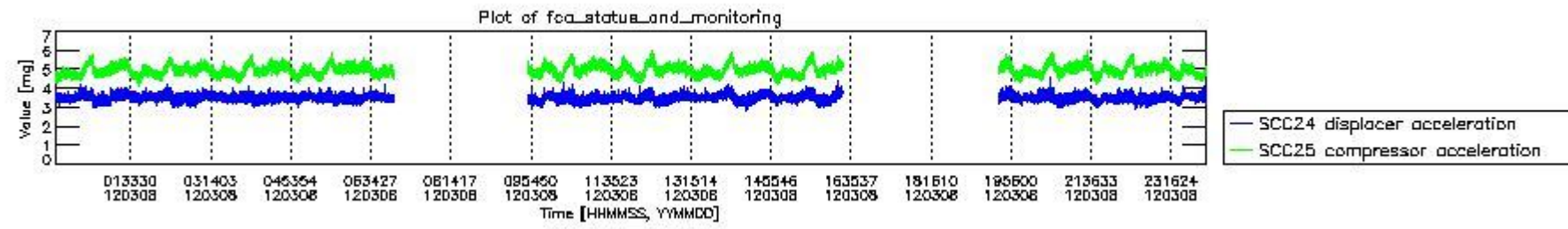
mipas_daily_report_level0_KSPT_L0_4504_N_20120308_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120308_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120308_9.PNG

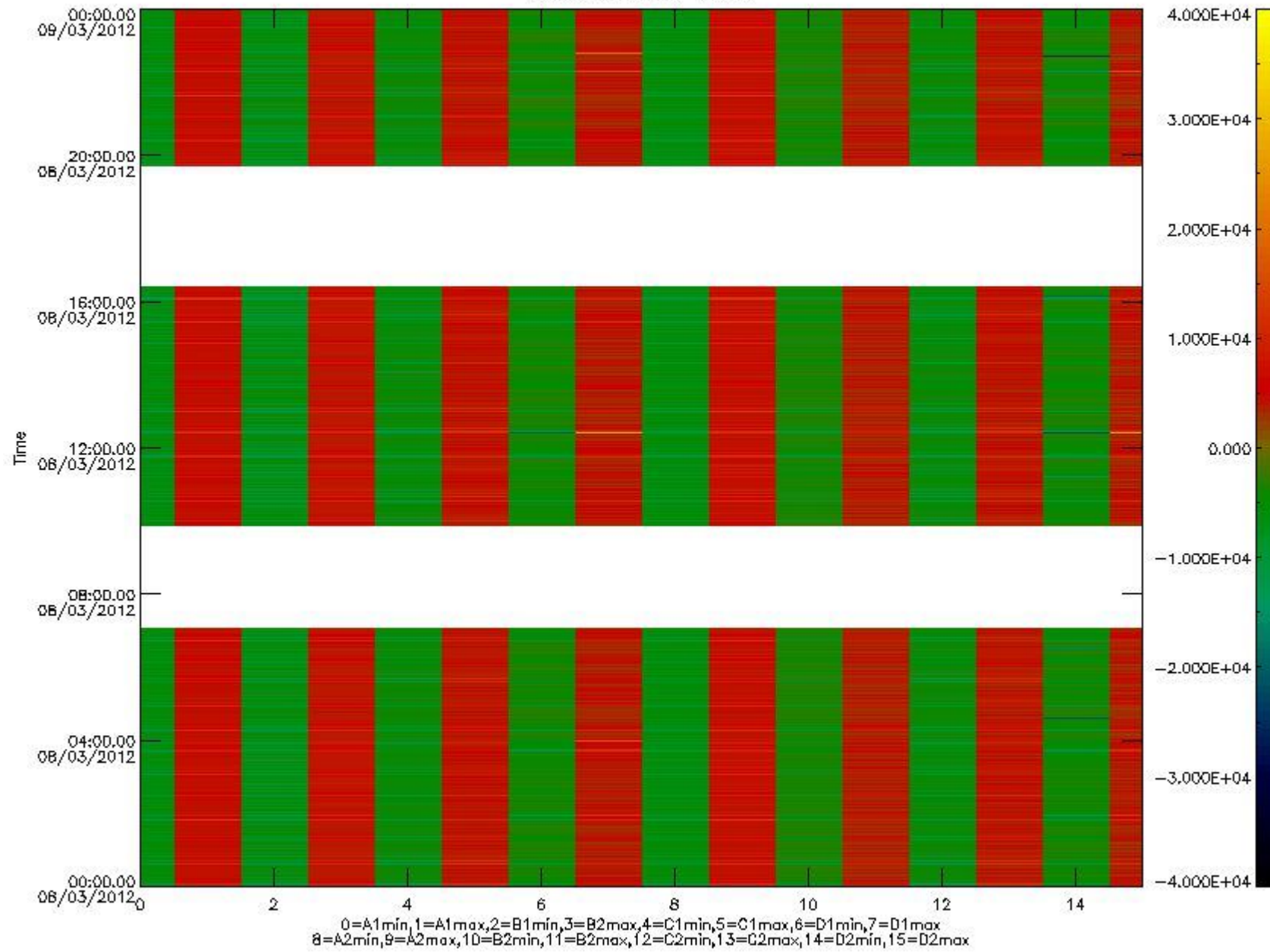


mipas_daily_report_level0_KSPT_L0_4504_N_20120308_10.PNG

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

Channel	Min	Max	ADC
A1	-15775	16513	16bit
B1	-15745	13741	16bit
C1	-24071	15373	16bit
D1	-32768	32767	16bit
A2	-13628	16341	16bit
B2	-12741	12616	16bit
C2	-16138	24811	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_20120308_11.PNG

0.3 ADF monitoring

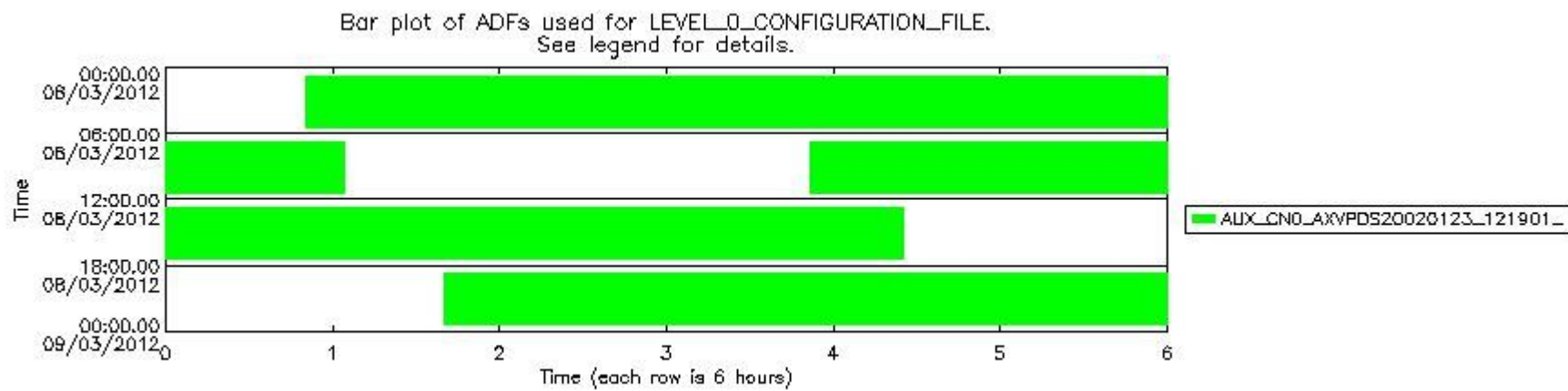
The use of ADFs is shown in two ways:

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.

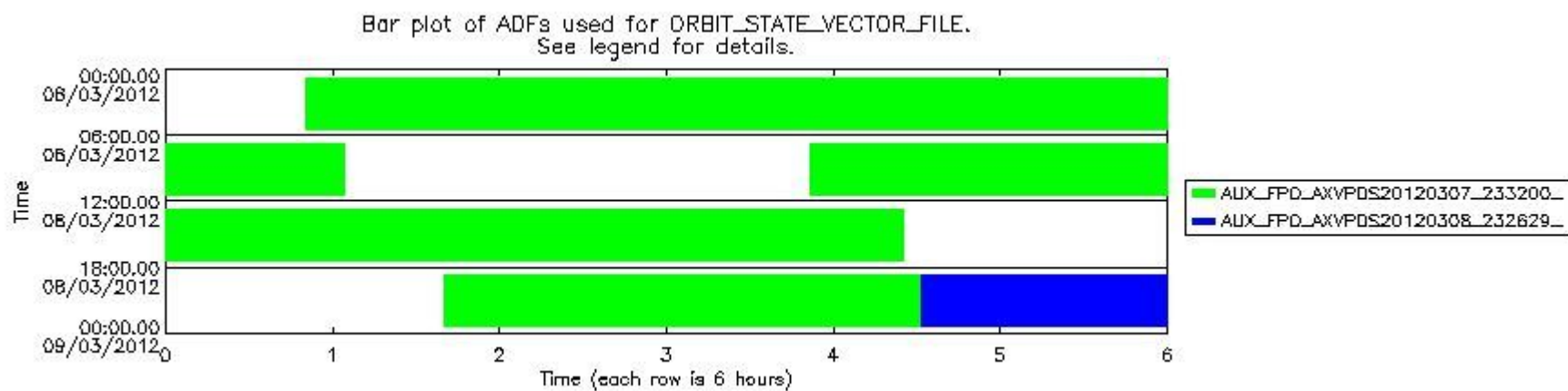
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120307_233200_20120307_182044_20120317_203424
2	AUX_FPO_AXVPDS20120308_232629_20120308_192413_20120318_213752

Number	Product name	#CN0	#FPO
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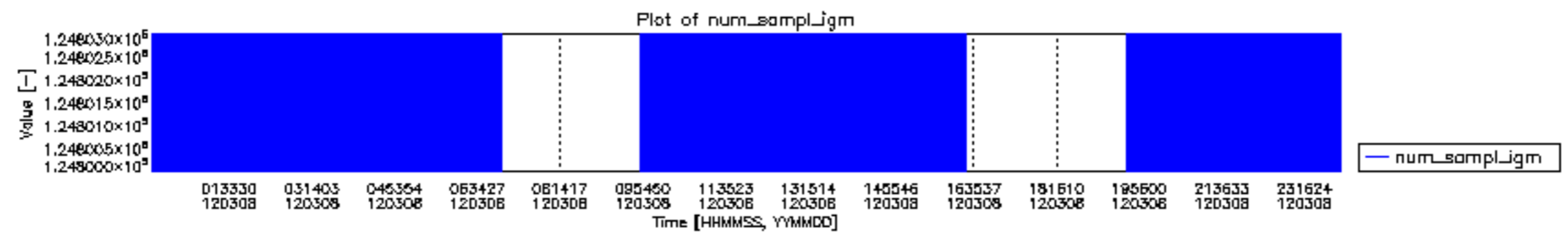
0	MIP_NL__0PNPDE20120308_005023_000058183112_00246_52415_1180.N1	0	1
1	MIP_NL__0PNPDE20120308_022614_000045673112_00247_52416_1181.N1	0	1
2	MIP_NL__0PNPDE20120308_034147_000061273112_00248_52417_1182.N1	0	1
3	MIP_NL__0PNPDE20120308_052321_000060523112_00249_52418_1183.N1	0	1
4	MIP_NL__0PNPDK20120308_095143_000059683112_00252_52421_8820.N1	0	1
5	MIP_NL__0PNPDK20120308_112939_000060503112_00253_52422_8821.N1	0	1
6	MIP_NL__0PNPDK20120308_130933_000057933112_00254_52423_8822.N1	0	1
7	MIP_NL__0PNPDK20120308_144429_000060193112_00255_52424_8823.N1	0	1
8	MIP_NL__0PNPDK20120308_194001_000061483112_00258_52427_8826.N1	0	1
9	MIP_NL__0PNPDE20120308_212139_000042743112_00259_52428_1184.N1	0	1
10	MIP_NL__0PNPDE20120308_223151_000061823112_00259_52428_1185.N1	0	2

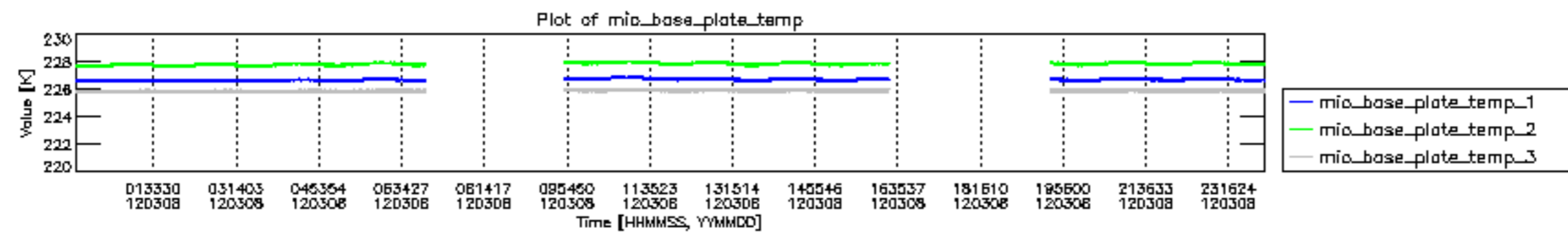


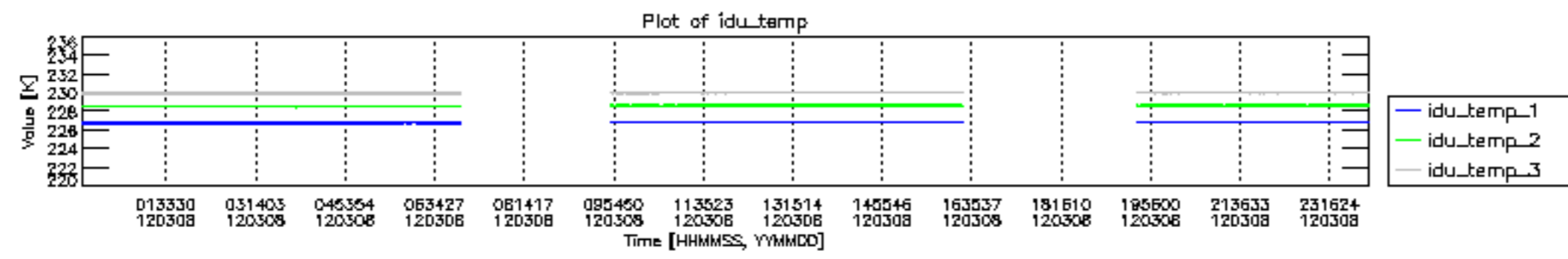
mipas_daily_report_level0_KSPT_L0_4504_N_20120308_12.PNG

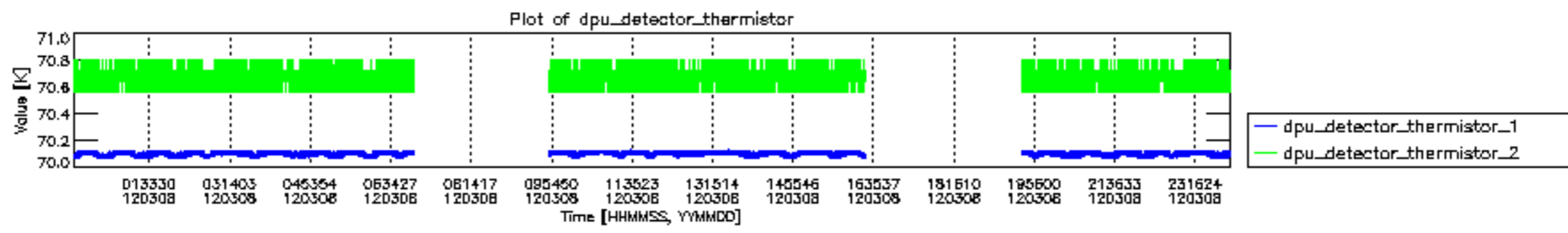


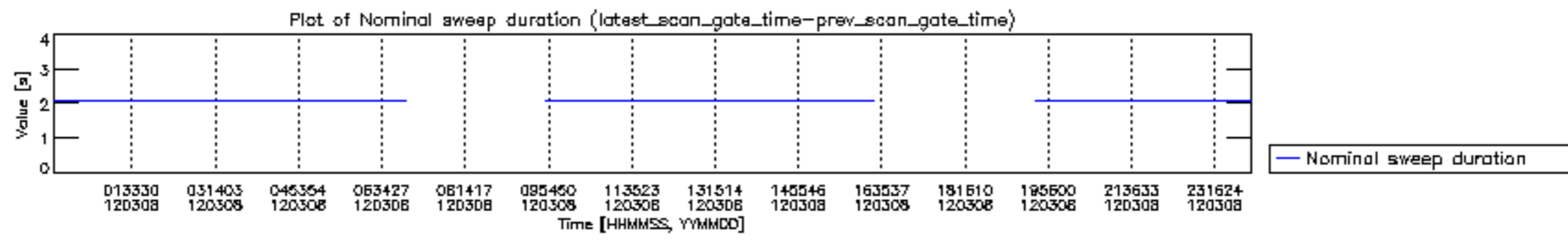
mipas_daily_report_level0_KSPT_L0_4504_N_20120308_13.PNG

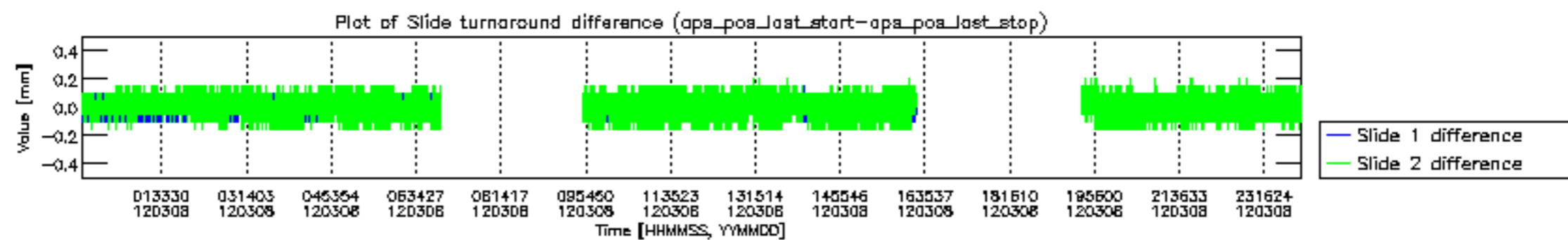


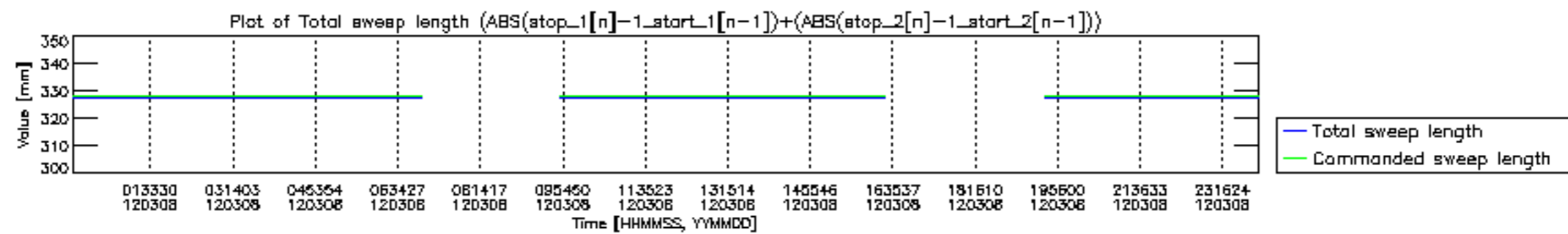


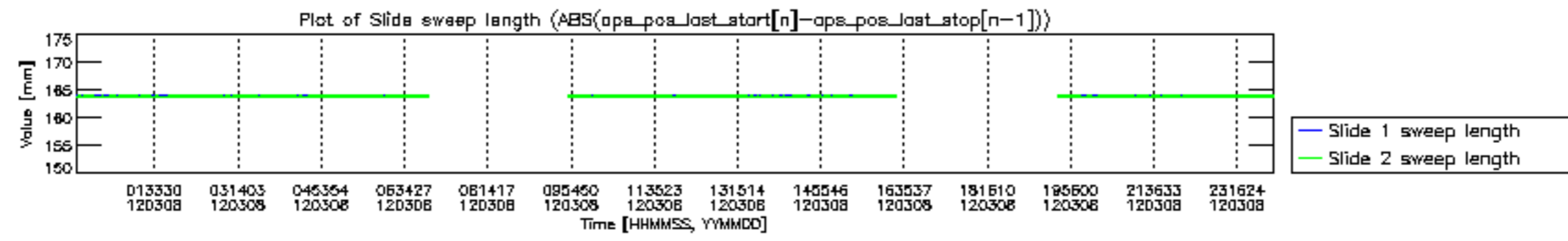


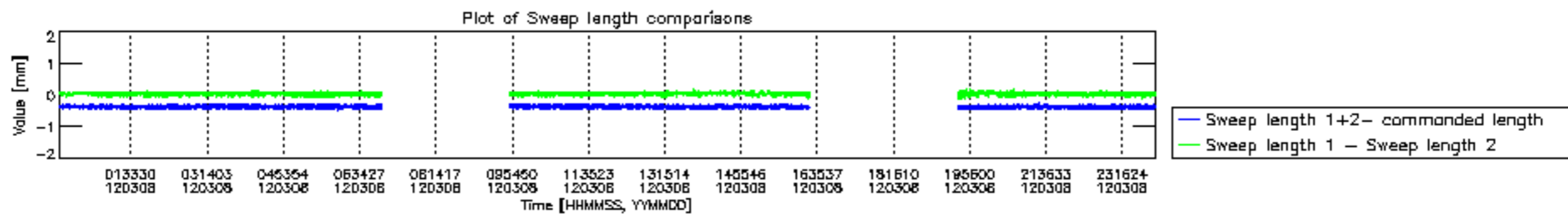


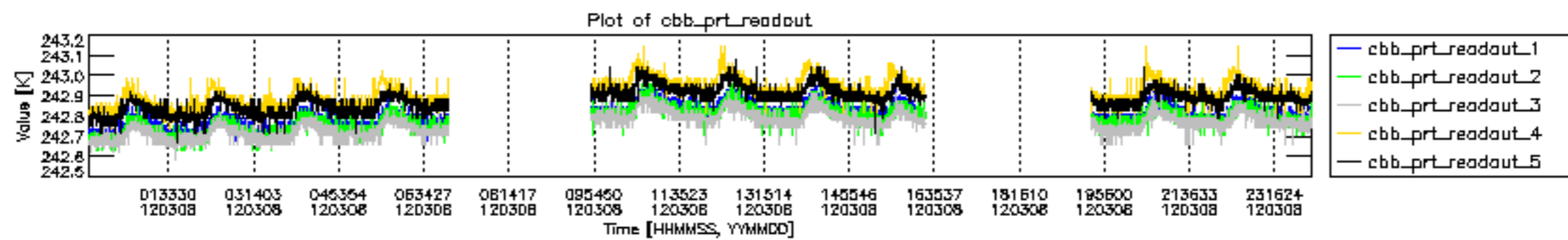


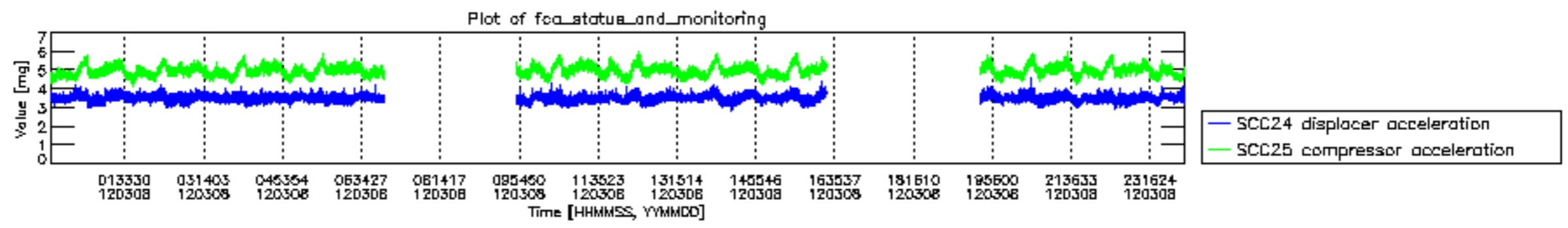












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

