

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	07FEB2011 05:24:15
Data source version	KSPT_L0/4504-N
Processing scope for products	02FEB2011 00:00:00 to 03FEB2011 00:00:00
Start time of first product within scope	02FEB2011 00:11:39
Stop time of last product within scope	03FEB2011 01:15:03
Total number of level 0 products	16
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__OPNPDE20110202_001139_000059663099_00102_46668_2837.N1	02FEB2011 00:11:39	02FEB2011 01:51:05	0	0	0	0	0
1	MIP_NL__OPNPDE20110202_015000_000044253099_00103_46669_2838.N1	02FEB2011 01:50:00	02FEB2011 03:03:44	0	0	0	0	0
2	MIP_NL__OPNPDE20110202_030311_000061403099_00104_46670_2839.N1	02FEB2011 03:03:11	02FEB2011 04:45:31	0	0	0	0	0
3	MIP_NL__OPNPDE20110202_044455_000060853099_00105_46671_2840.N1	02FEB2011 04:44:55	02FEB2011 06:26:21	0	0	0	0	0
4	MIP_NL__OPNPDK20110202_062547_000040513099_00106_46672_4183.N1	02FEB2011 06:25:47	02FEB2011 07:33:18	0	0	0	0	0
5	MIP_NL__OPNPDK20110202_073219_000061213099_00107_46673_4184.N1	02FEB2011 07:32:19	02FEB2011 09:14:20	0	0	0	0	0
6	MIP_NL__OPNPDK20110202_091244_000061223099_00108_46674_4185.N1	02FEB2011 09:12:44	02FEB2011 10:54:46	0	0	0	0	0
7	MIP_NL__OPNPDK20110202_105319_000059893099_00109_46675_4186.N1	02FEB2011 10:53:19	02FEB2011 12:33:08	0	0	0	0	0
8	MIP_NL__OPNPDK20110202_123130_000059043099_00110_46676_4187.N1	02FEB2011 12:31:30	02FEB2011 14:09:53	0	0	0	0	0
9	MIP_NL__OPNPDK20110202_140815_000060213099_00111_46677_4188.N1	02FEB2011 14:08:15	02FEB2011 15:48:36	0	0	0	0	0
10	MIP_NL__OPNPDK20110202_154712_000059733099_00112_46678_4189.N1	02FEB2011 15:47:12	02FEB2011 17:26:45	0	0	0	0	0
11	MIP_NL__OPNPDK20110202_172555_000057603099_00113_46679_4190.N1	02FEB2011 17:25:55	02FEB2011 19:01:55	0	0	0	0	0
12	MIP_NL__OPNPDK20110202_190048_000062153099_00114_46680_4191.N1	02FEB2011 19:00:48	02FEB2011 20:44:23	0	0	0	0	0
13	MIP_NL__OPNPDE20110202_204236_000043373099_00115_46681_2841.N1	02FEB2011 20:42:36	02FEB2011 21:54:53	0	0	0	0	0
14	MIP_NL__OPNPDE20110202_215346_000061423099_00115_46681_2842.N1	02FEB2011 21:53:46	02FEB2011 23:36:08	0	0	0	0	0
15	MIP_NL__OPNPDE20110202_233505_000059983099_00116_46682_2843.N1	02FEB2011 23:35:05	03FEB2011 01:15:03	0	0	0	0	0

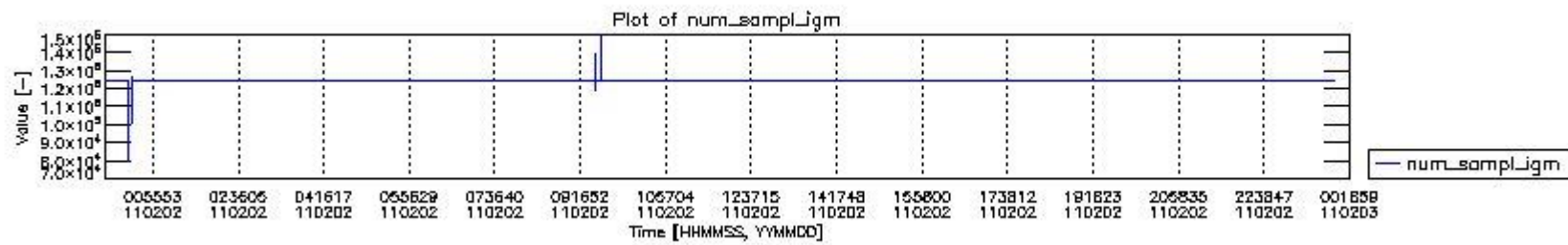
0.2 Instrument Operational Performance Parameters

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.

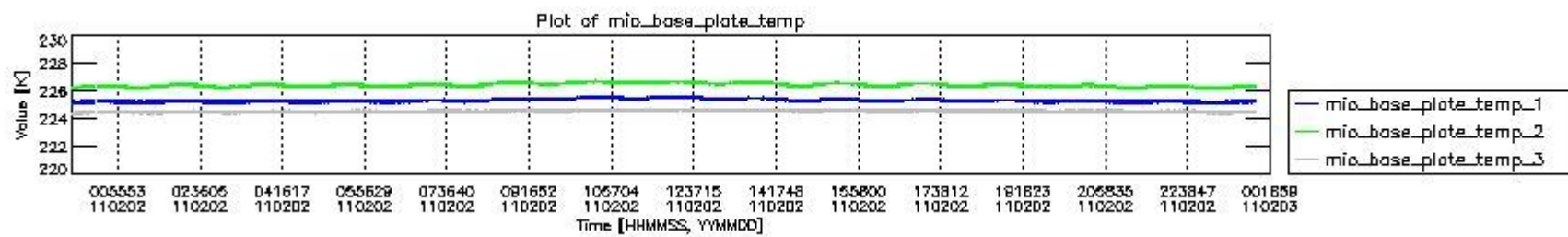
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
79918	1	0.0024090000
92293	1	0.0024090000

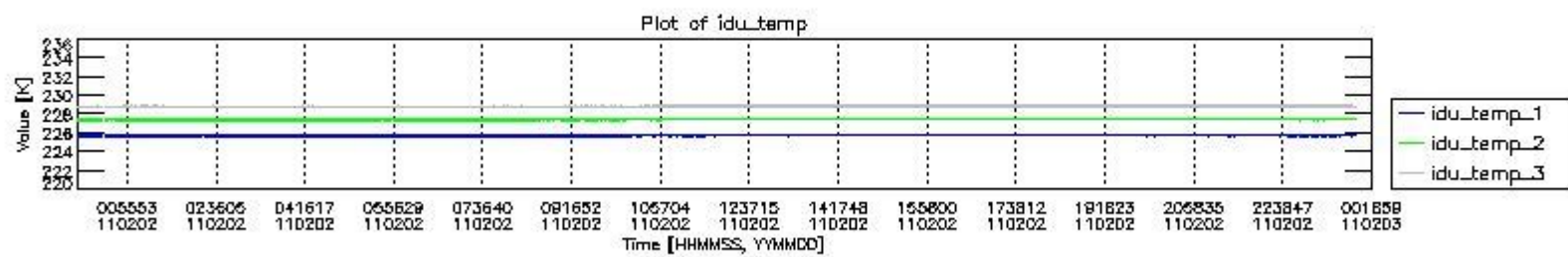
100632	1	0.0024090000
112425	1	0.0024090000
119353	1	0.0024090000
124800	38569	92.912722
124803	2930	7.0583701
125884	1	0.0024090000
126968	1	0.0024090000
127308	1	0.0024090000
134038	1	0.0024090000
139485	1	0.0024090000
147440	1	0.0024090000
149948	1	0.0024090000



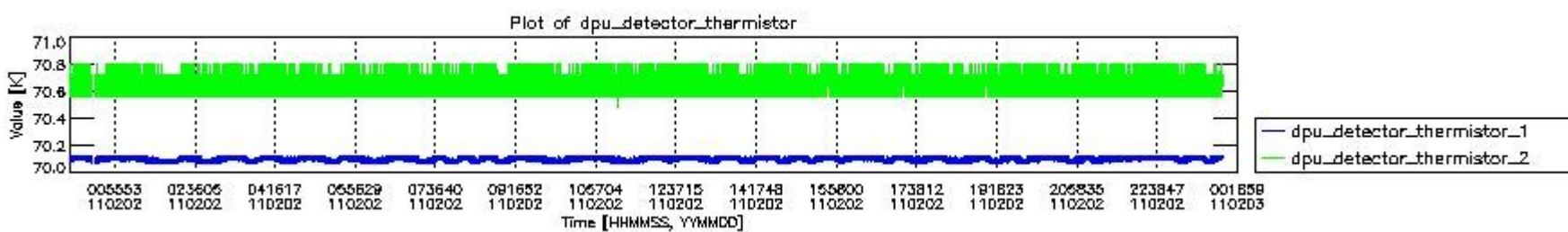
mipas_daily_report_level0_KSPT_L0_4504_N_20110202_0.PNG



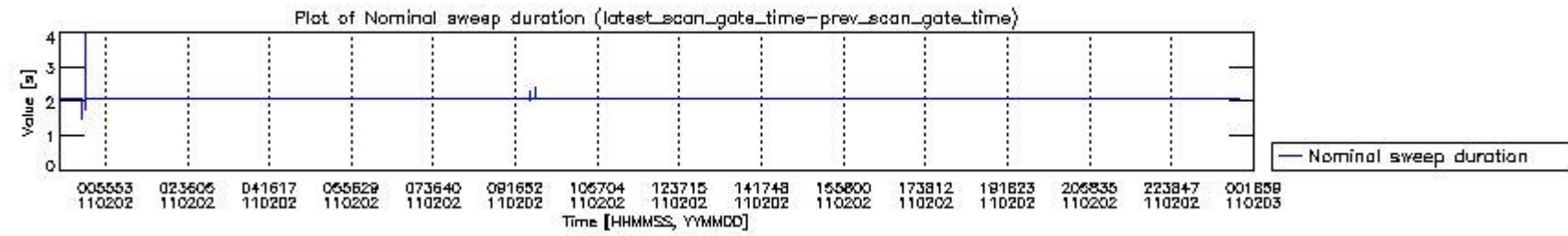
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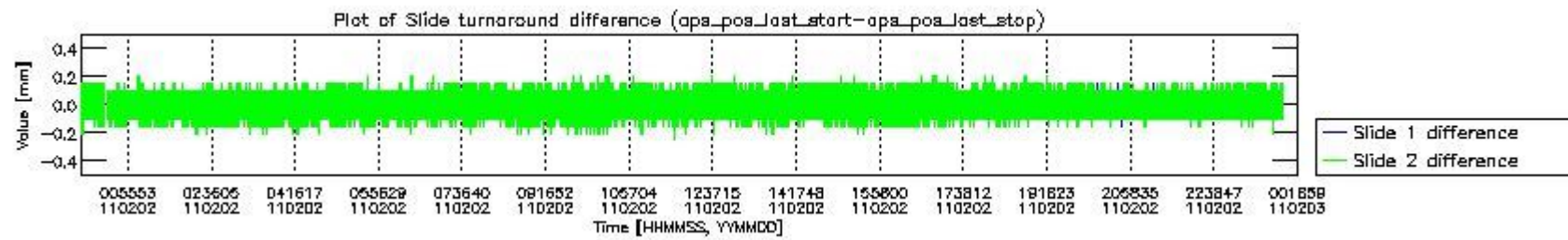
mipas_daily_report_level0_KSPT_L0_4504_N_20110202_2.PNG



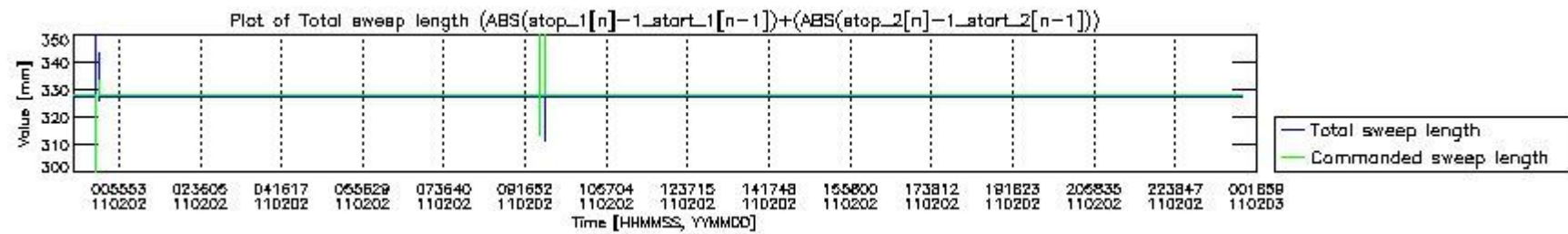
mipas_daily_report_level0_KSPT_L0_4504_N_20110202_3.PNG



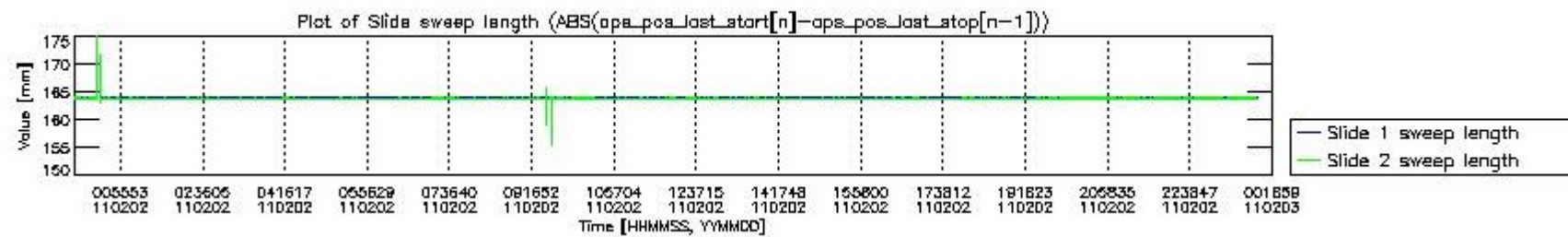
mipas_daily_report_level0_KSPT_L0_4504_N_20110202_4.PNG



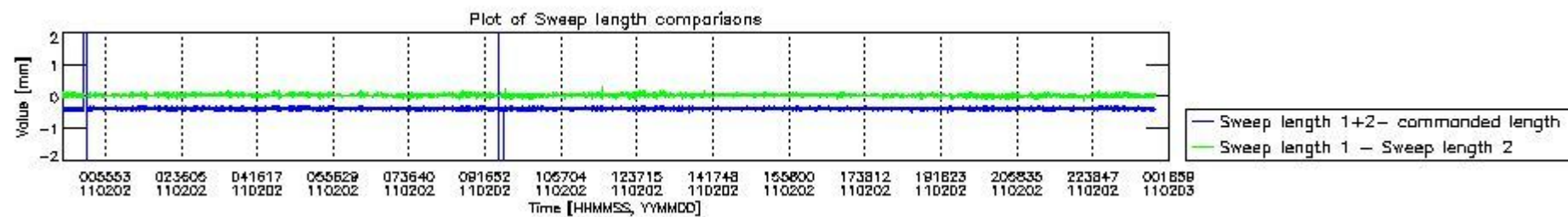
mipas_daily_report_level0_KSPT_L0_4504_N_20110202_5.PNG



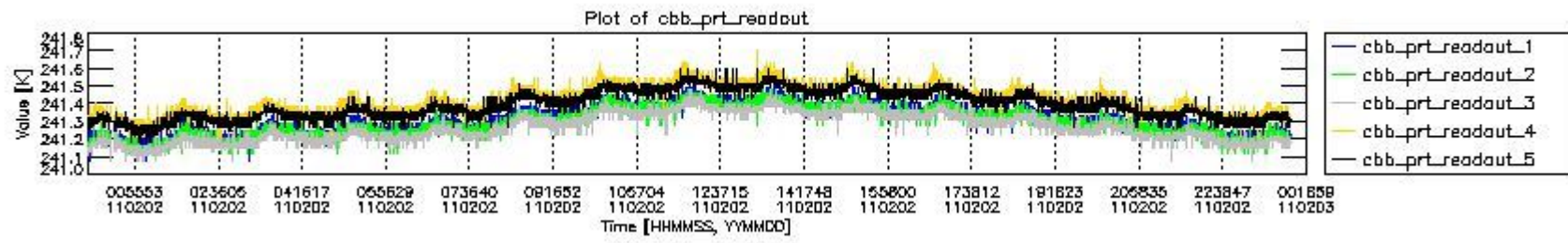
mipas_daily_report_level0_KSPT_L0_4504_N_20110202_6.PNG



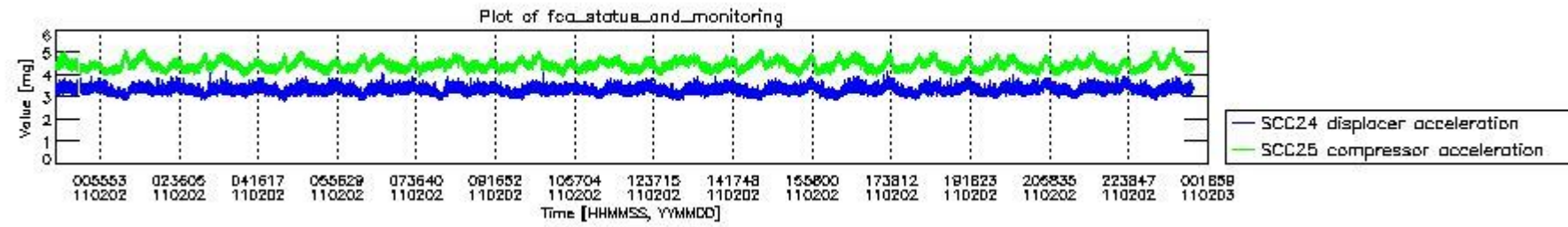
mipas_daily_report_level0_KSPT_L0_4504_N_20110202_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110202_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110202_9.PNG

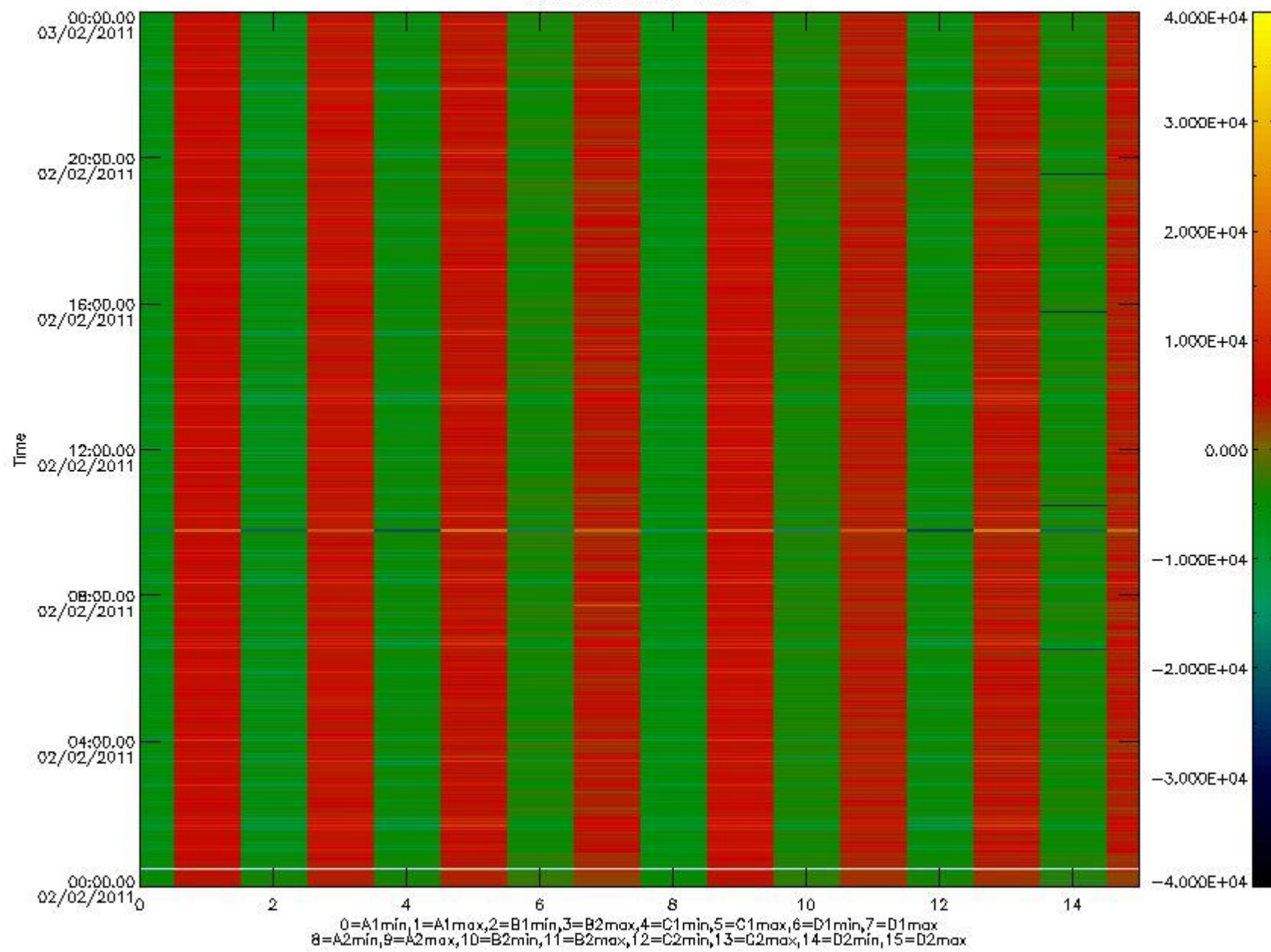


mipas_daily_report_level0_KSPT_L0_4504_N_20110202_10.PNG

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

Channel	Min	Max	ADC
A1	-17467	18470	16bit
B1	-18785	16338	16bit
C1	-24839	21722	16bit
D1	-22675	32767	16bit
A2	-15150	18586	16bit
B2	-16786	16542	16bit
C2	-22765	23764	16bit
D2	-32768	25121	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110202_11.PNG

0.3 ADF monitoring

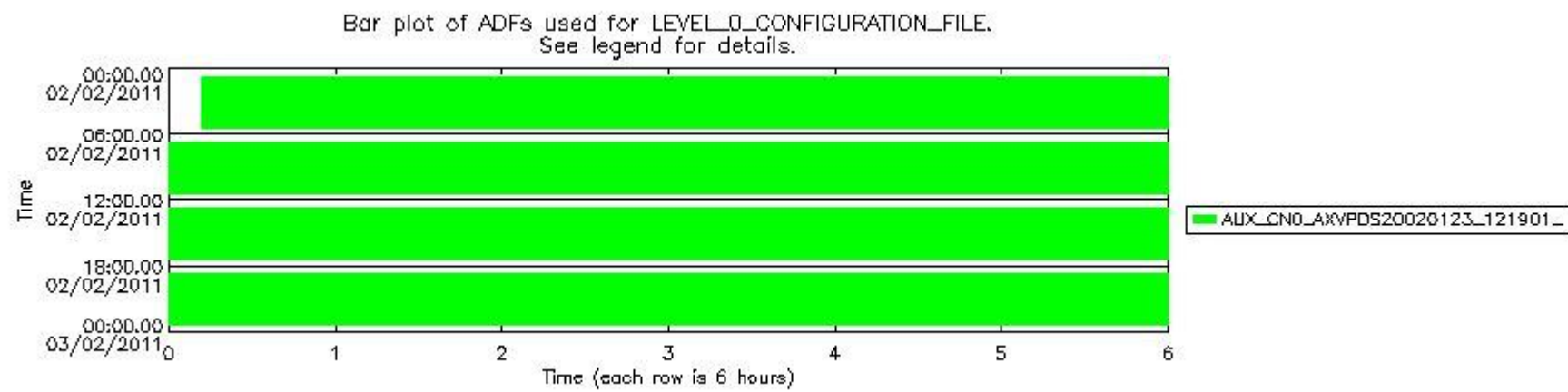
The use of ADFs is shown in two ways:

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.

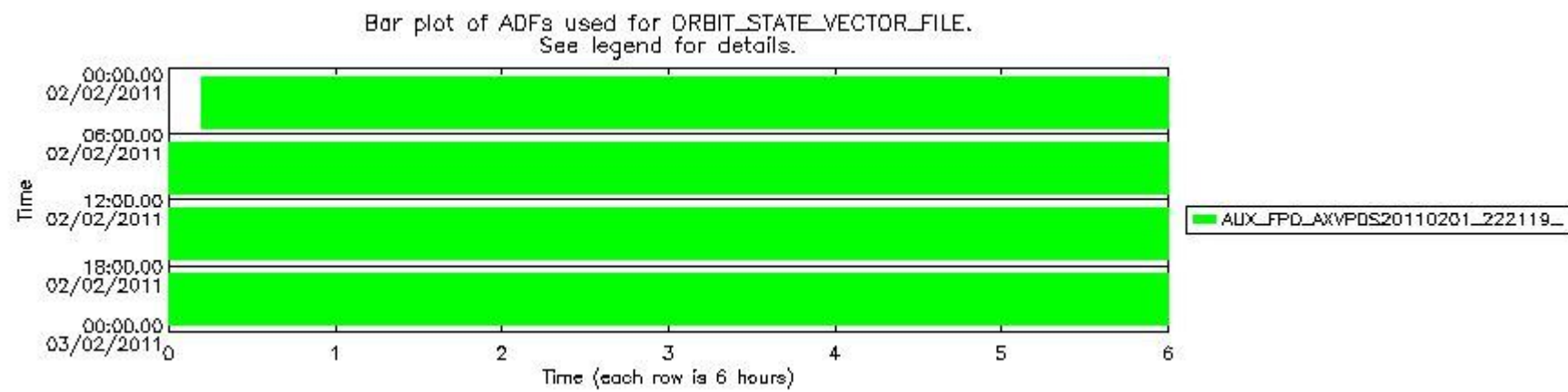
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110201_222119_20110201_192304_20110211_213655

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110202_001139_000059663099_00102_46668_2837.N1	0	1

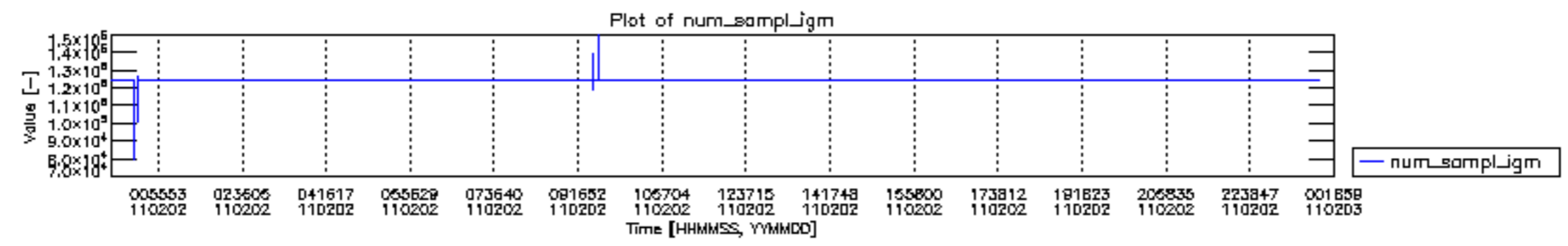
1	MIP_NL__0PNPDE20110202_015000_000044253099_00103_46669_2838.N1	0	1
2	MIP_NL__0PNPDE20110202_030311_000061403099_00104_46670_2839.N1	0	1
3	MIP_NL__0PNPDE20110202_044455_000060853099_00105_46671_2840.N1	0	1
4	MIP_NL__0PNPDK20110202_062547_000040513099_00106_46672_4183.N1	0	1
5	MIP_NL__0PNPDK20110202_073219_000061213099_00107_46673_4184.N1	0	1
6	MIP_NL__0PNPDK20110202_091244_000061223099_00108_46674_4185.N1	0	1
7	MIP_NL__0PNPDK20110202_105319_000059893099_00109_46675_4186.N1	0	1
8	MIP_NL__0PNPDK20110202_123130_000059043099_00110_46676_4187.N1	0	1
9	MIP_NL__0PNPDK20110202_140815_000060213099_00111_46677_4188.N1	0	1
10	MIP_NL__0PNPDK20110202_154712_000059733099_00112_46678_4189.N1	0	1
11	MIP_NL__0PNPDK20110202_172555_000057603099_00113_46679_4190.N1	0	1
12	MIP_NL__0PNPDK20110202_190048_000062153099_00114_46680_4191.N1	0	1
13	MIP_NL__0PNPDE20110202_204236_000043373099_00115_46681_2841.N1	0	1
14	MIP_NL__0PNPDE20110202_215346_000061423099_00115_46681_2842.N1	0	1
15	MIP_NL__0PNPDE20110202_233505_000059983099_00116_46682_2843.N1	0	1

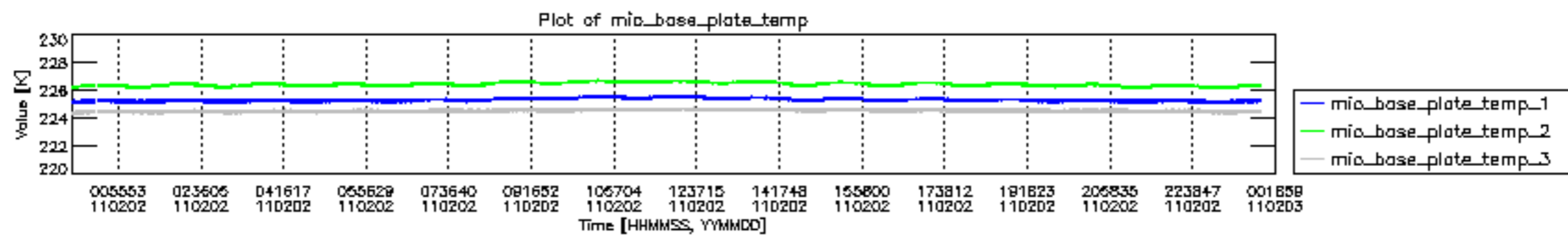


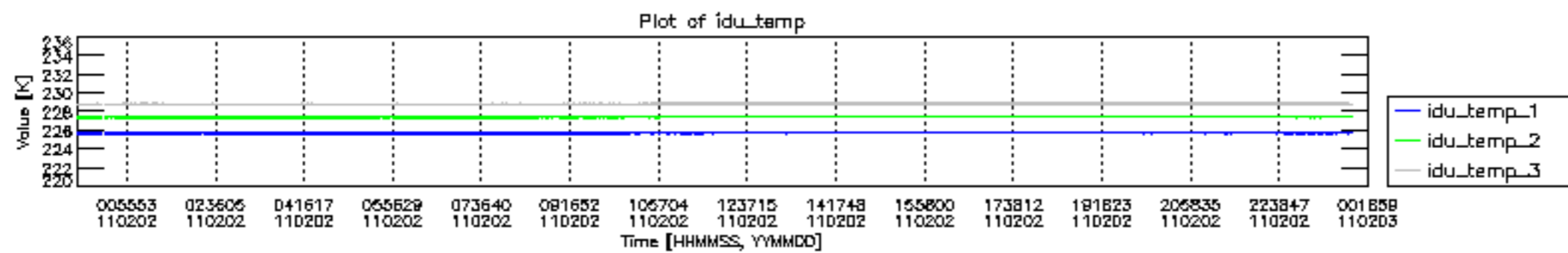
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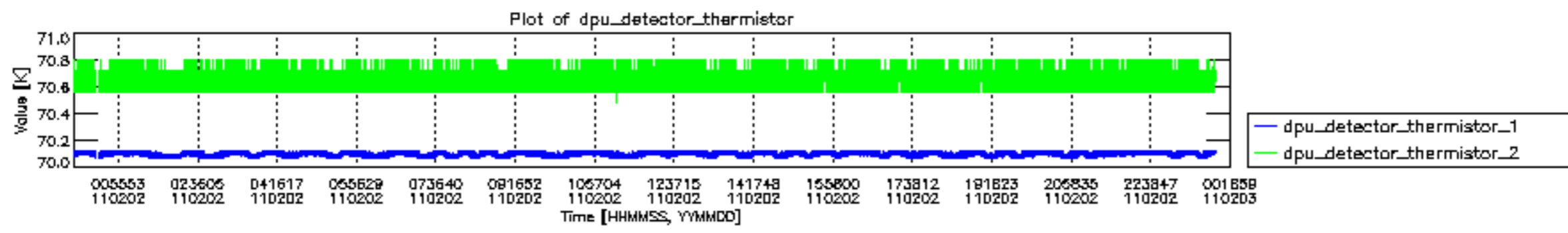


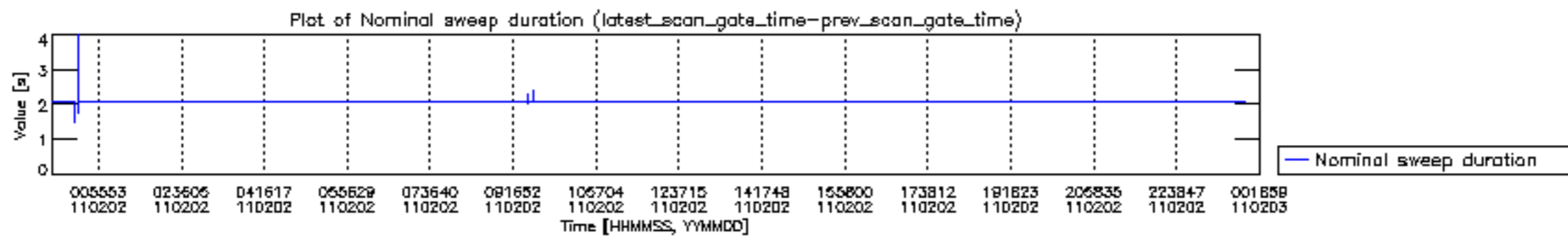
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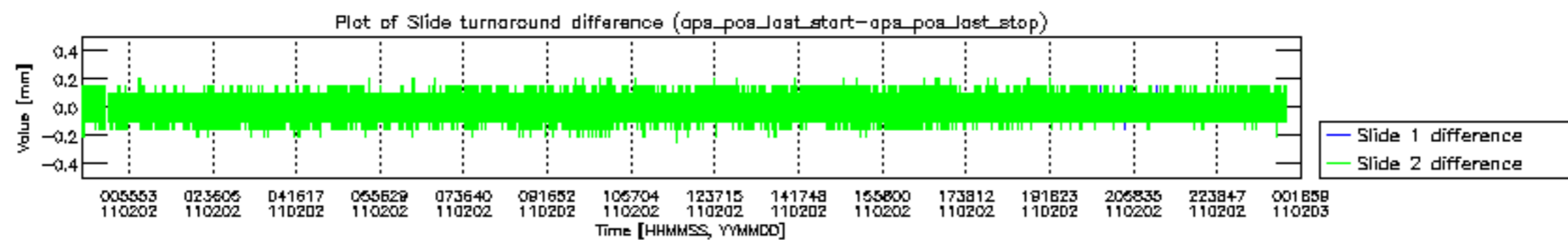


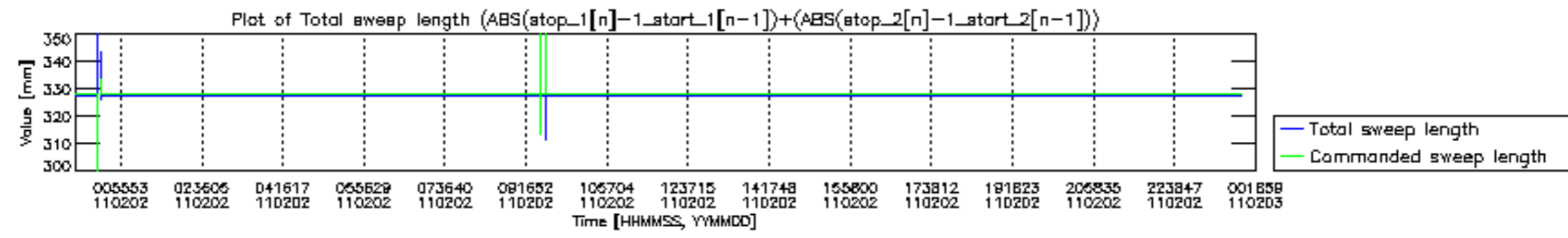


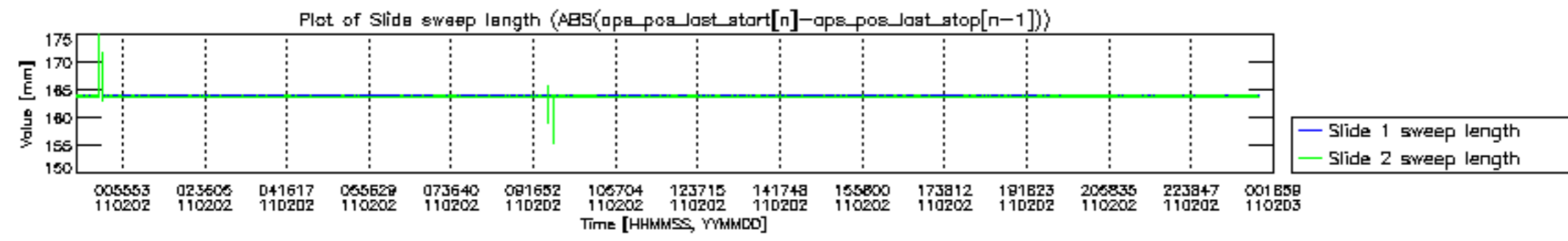


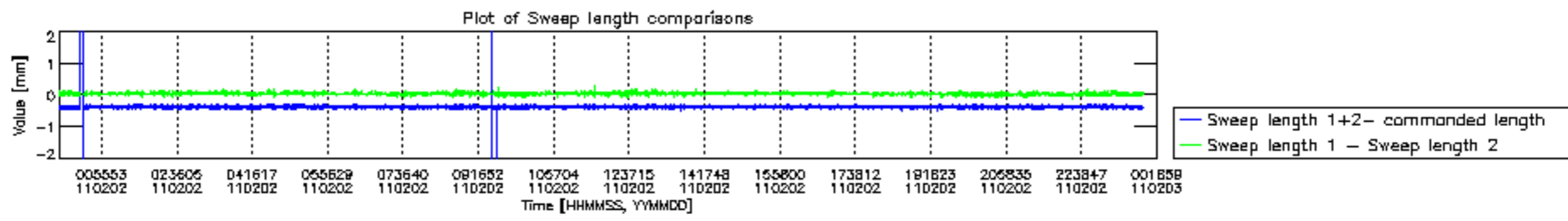


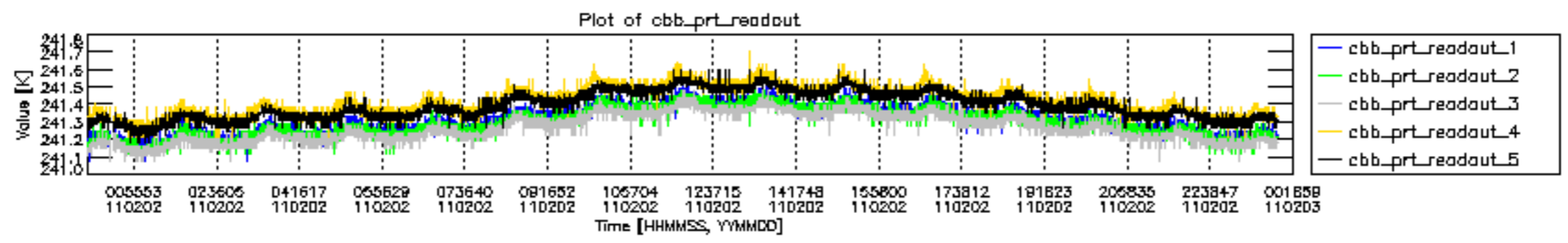


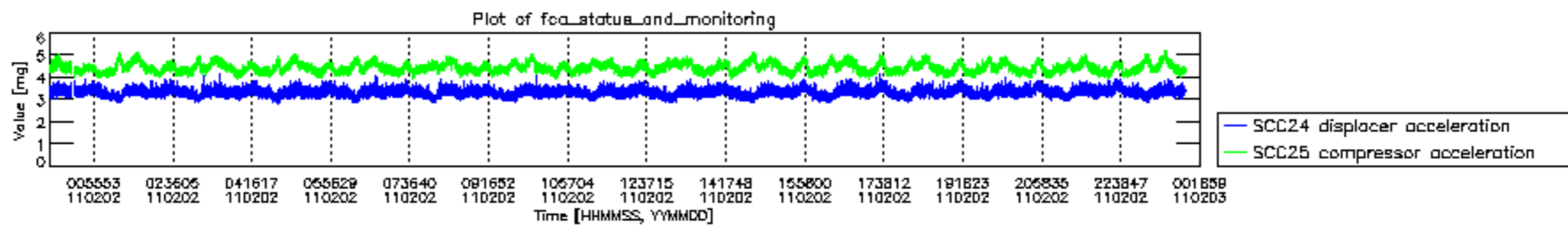












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

