

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	18JAN2011 05:24:10
Data source version	KSPT_L0/4504-N
Processing scope for products	13JAN2011 00:00:00 to 14JAN2011 00:00:00
Start time of first product within scope	13JAN2011 00:45:47
Stop time of last product within scope	14JAN2011 00:08:19
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__0PNPDE20110113_004547_000057323098_00246_46381_2706.N1	13JAN2011 00:45:47	13JAN2011 02:21:19	0	0	0	0	0
1	MIP_NL__0PNPDE20110113_022023_000045773098_00247_46382_2707.N1	13JAN2011 02:20:23	13JAN2011 03:36:40	0	0	0	0	0
2	MIP_NL__0PNPDE20110113_033609_000061293098_00248_46383_2708.N1	13JAN2011 03:36:09	13JAN2011 05:18:18	0	0	0	0	0
3	MIP_NL__0PNPDE20110113_051744_000061133098_00249_46384_2709.N1	13JAN2011 05:17:44	13JAN2011 06:59:37	0	0	0	0	0
4	MIP_NL__0PNPDK20110113_065902_000040693098_00250_46385_4007.N1	13JAN2011 06:59:02	13JAN2011 08:06:51	0	0	0	0	0
5	MIP_NL__0PNPDK20110113_080553_000061223098_00251_46386_4008.N1	13JAN2011 08:05:53	13JAN2011 09:47:54	0	0	0	0	0
6	MIP_NL__0PNPDK20110113_094618_000060503098_00252_46387_4009.N1	13JAN2011 09:46:18	13JAN2011 11:27:08	0	0	0	0	0
7	MIP_NL__0PNPDK20110113_112530_000058893098_00253_46388_4010.N1	13JAN2011 11:25:30	13JAN2011 13:03:39	0	0	0	0	0
8	MIP_NL__0PNPDK20110113_130245_000060273098_00254_46389_4012.N1	13JAN2011 13:02:45	13JAN2011 14:43:12	0	0	0	0	0
9	MIP_NL__0PNPDK20110113_144146_000059433098_00255_46390_4013.N1	13JAN2011 14:41:46	13JAN2011 16:20:50	0	0	0	0	0
10	MIP_NL__0PNPDK20110113_162006_000058493098_00256_46391_4014.N1	13JAN2011 16:20:06	13JAN2011 17:57:35	0	0	0	0	0
11	MIP_NL__0PNPDK20110113_175634_000060523098_00257_46392_4015.N1	13JAN2011 17:56:34	13JAN2011 19:37:26	0	0	0	0	0
12	MIP_NL__0PNPDK20110113_193536_000060543098_00258_46393_4016.N1	13JAN2011 19:35:36	13JAN2011 21:16:30	0	0	0	0	0
13	MIP_NL__0PNPDE20110113_222809_000060103098_00259_46394_2710.N1	13JAN2011 22:28:09	14JAN2011 00:08:19	0	0	0	0	0

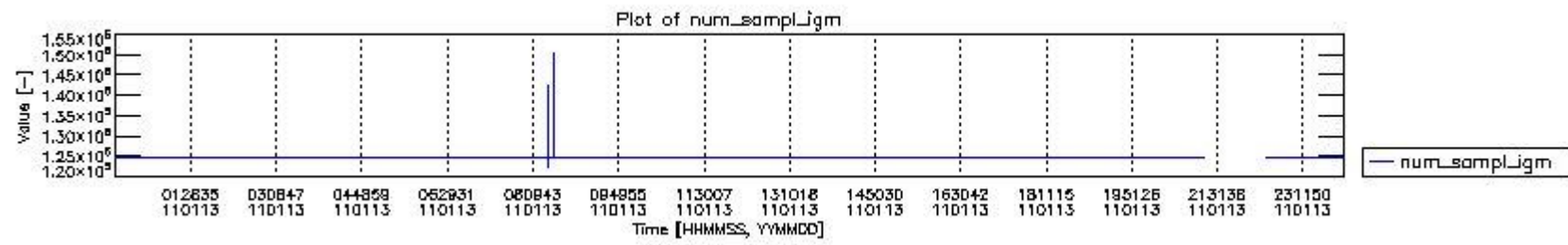
0.2 Instrument Operational Performance Parameters

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.

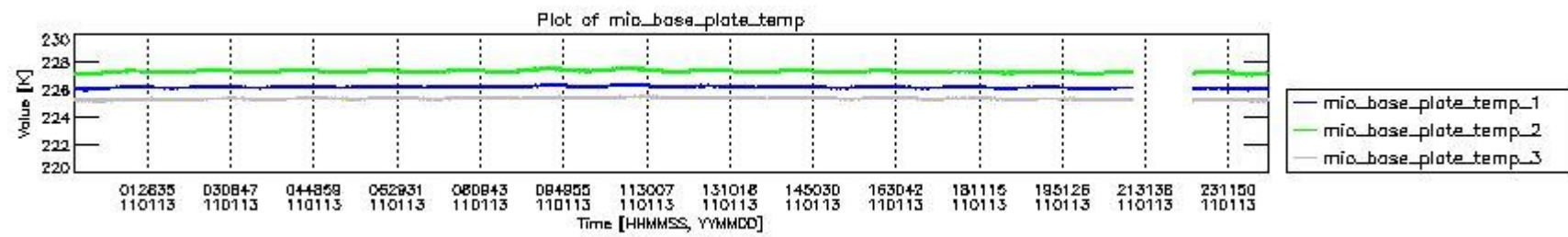
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
122475	1	0.0025445293
124800	36504	92.885496
124803	2790	7.0992366
127531	1	0.0025445293

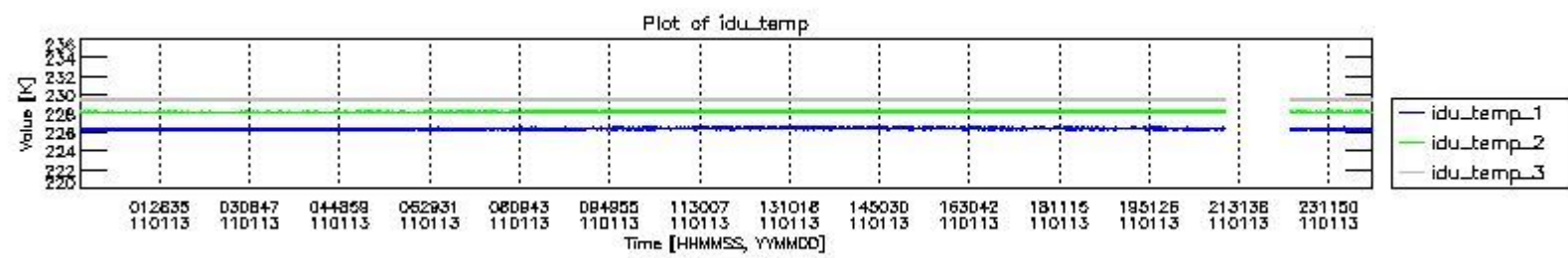
140282	1	0.0025445293
142607	1	0.0025445293
147663	1	0.0025445293
150394	1	0.0025445293



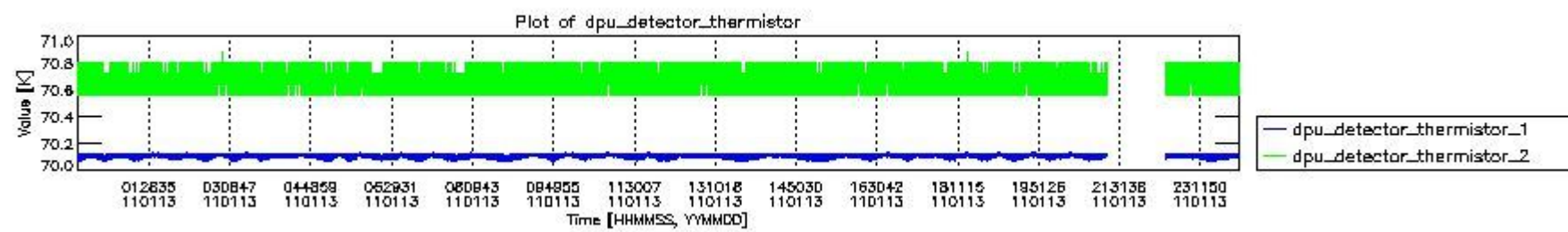
mipas_daily_report_level0_KSPT_L0_4504_N_20110113_0.PNG



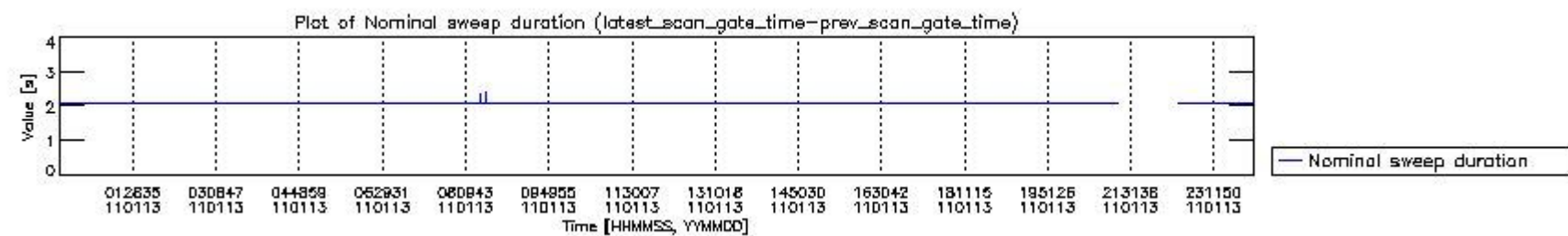
mipas_daily_report_level0_KSPT_L0_4504_N_20110113_1.PNG



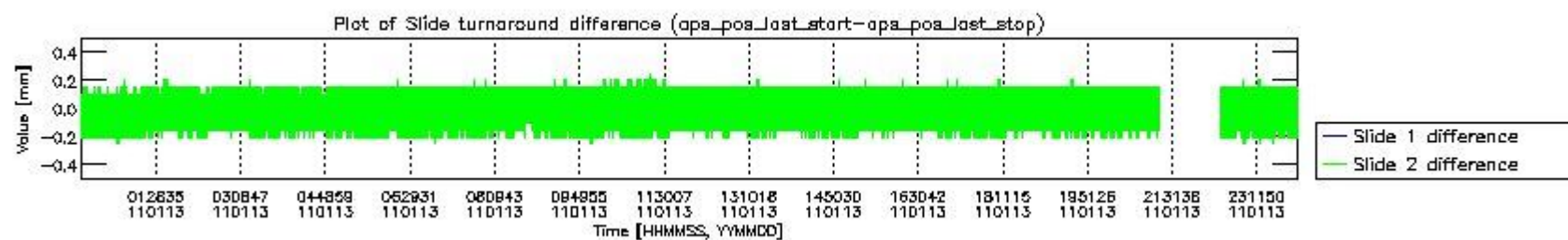
mipas_daily_report_level0_KSPT_L0_4504_N_20110113_2.PNG



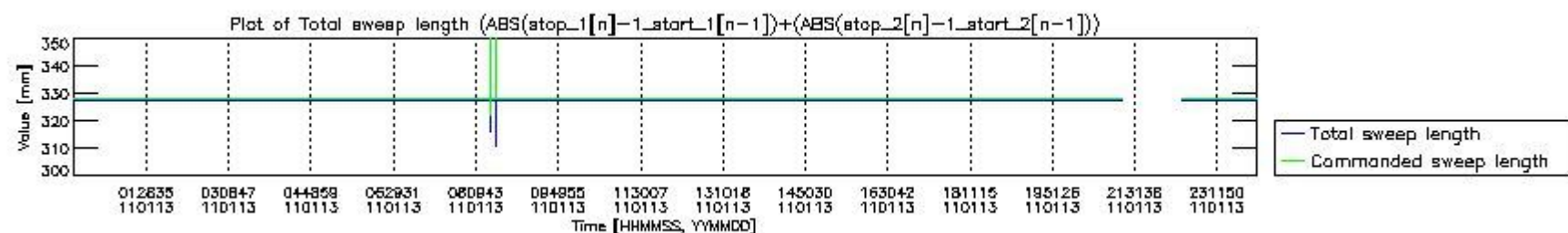
mipas_daily_report_level0_KSPT_L0_4504_N_20110113_3.PNG



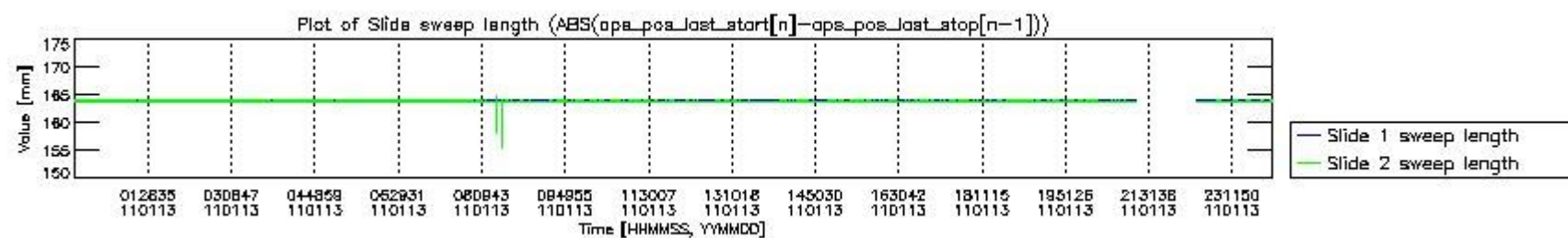
mipas_daily_report_level0_KSPT_L0_4504_N_20110113_4.PNG



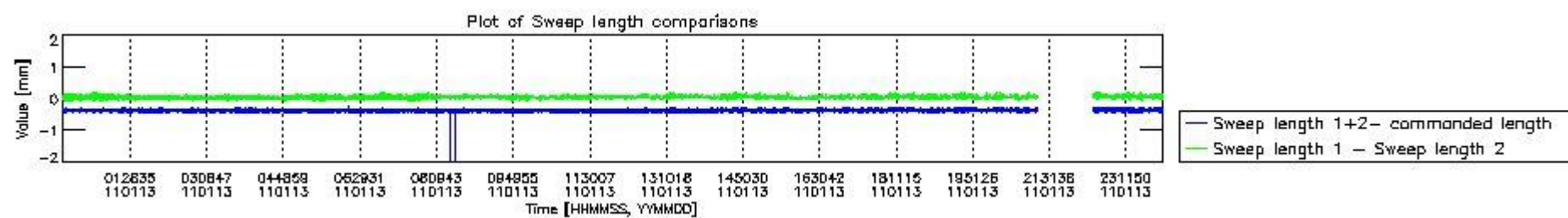
mipas_daily_report_level0_KSPT_L0_4504_N_20110113_5.PNG



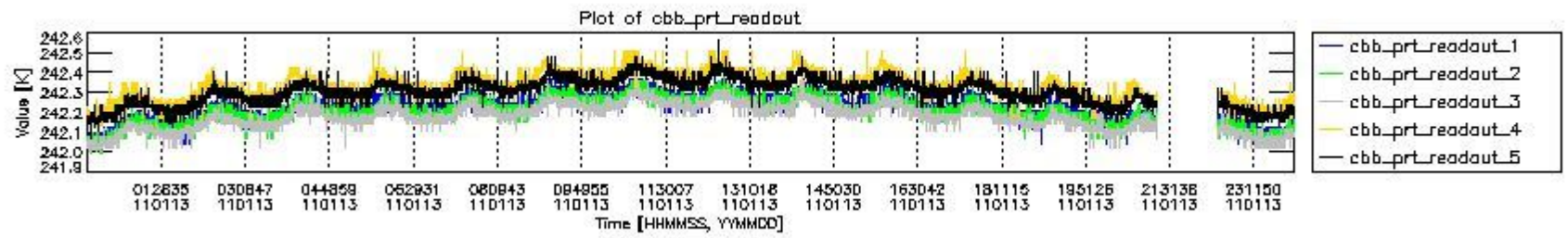
mipas_daily_report_level0_KSPT_L0_4504_N_20110113_6.PNG



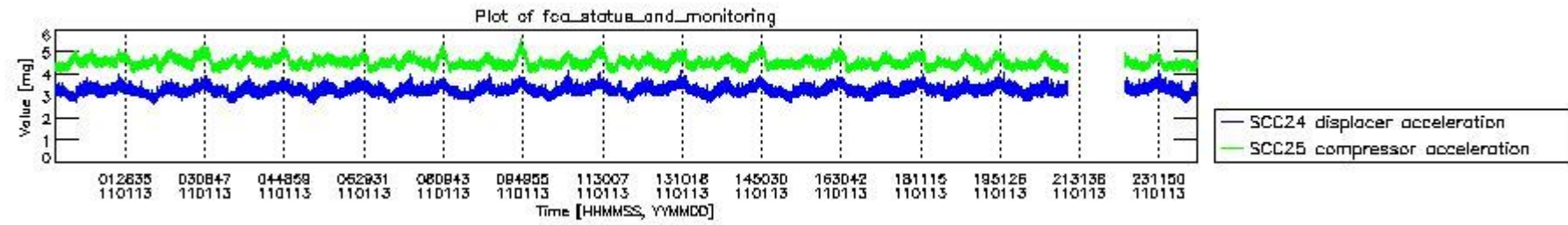
mipas_daily_report_level0_KSPT_L0_4504_N_20110113_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110113_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110113_9.PNG

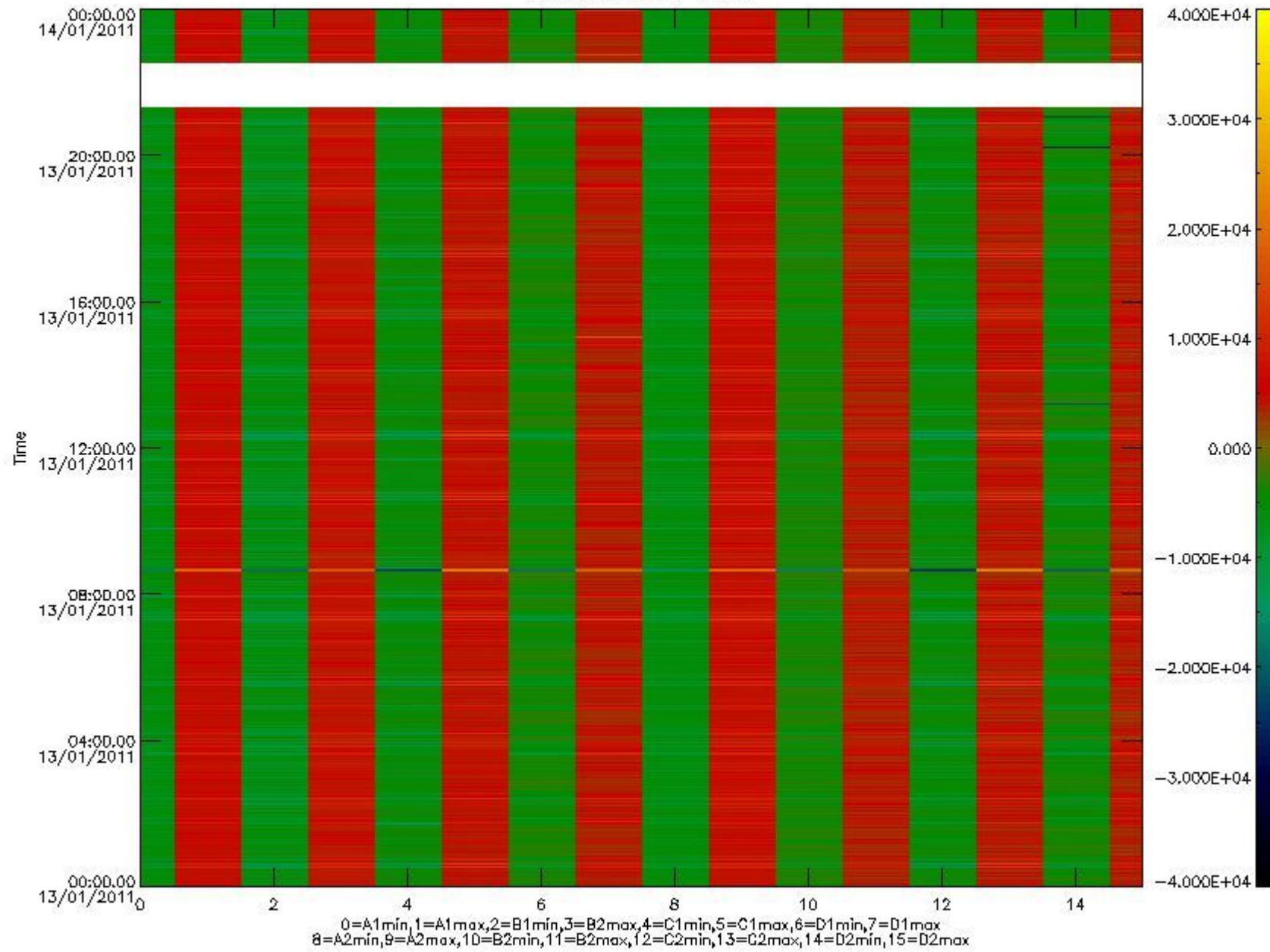


mipas_daily_report_level0_KSPT_L0_4504_N_20110113_10.PNG

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

Channel	Min	Max	ADC
A1	-17752	18805	16bit
B1	-19231	16679	16bit
C1	-22668	22509	16bit
D1	-31814	32767	16bit
A2	-15375	18912	16bit
B2	-17296	16990	16bit
C2	-23606	23167	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_20110113_11.PNG

0.3 ADF monitoring

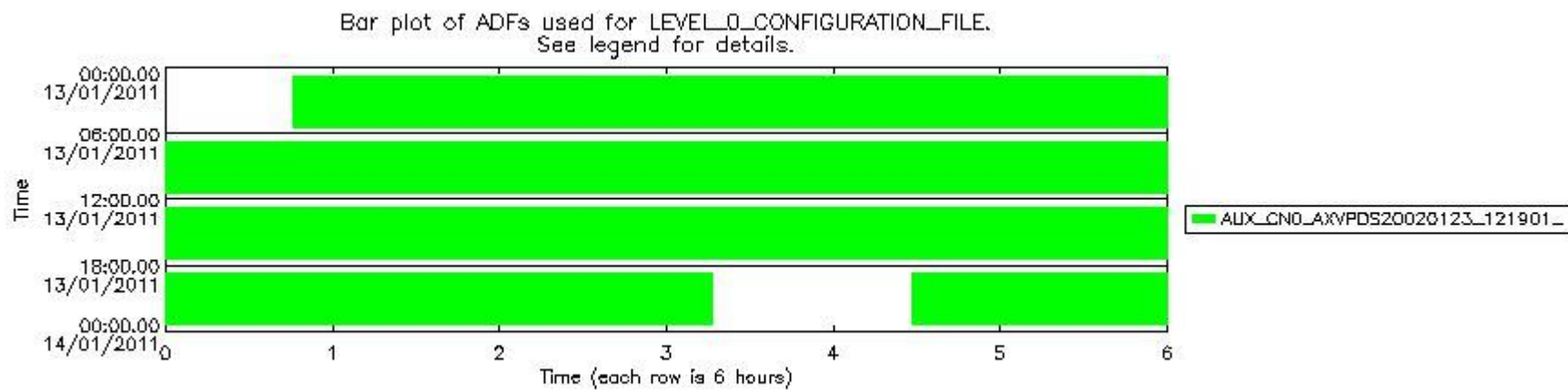
The use of ADFs is shown in two ways:

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.

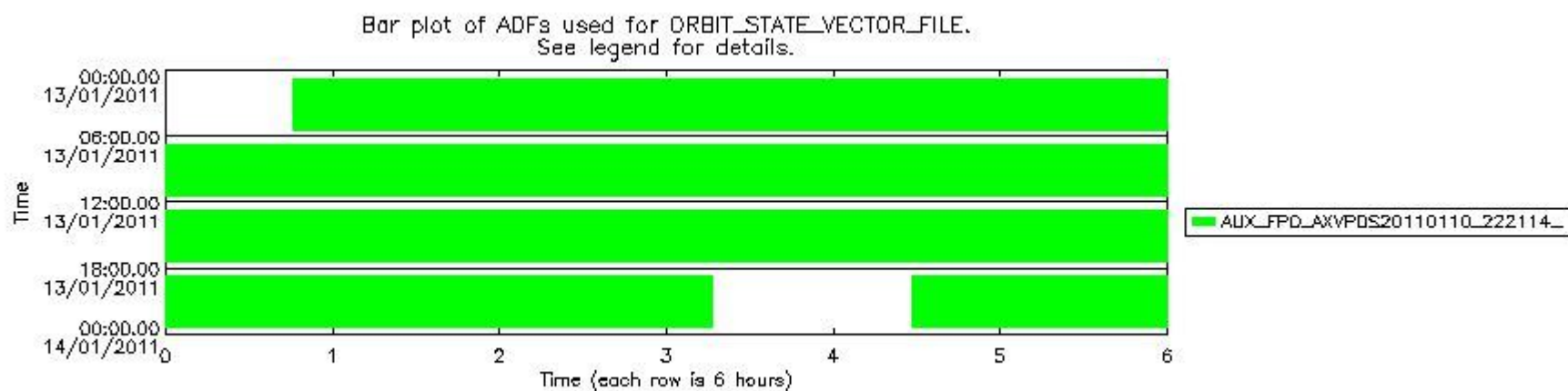
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110110_222114_20110110_192915_20110120_200253

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110113_004547_000057323098_00246_46381_2706.N1	0	1

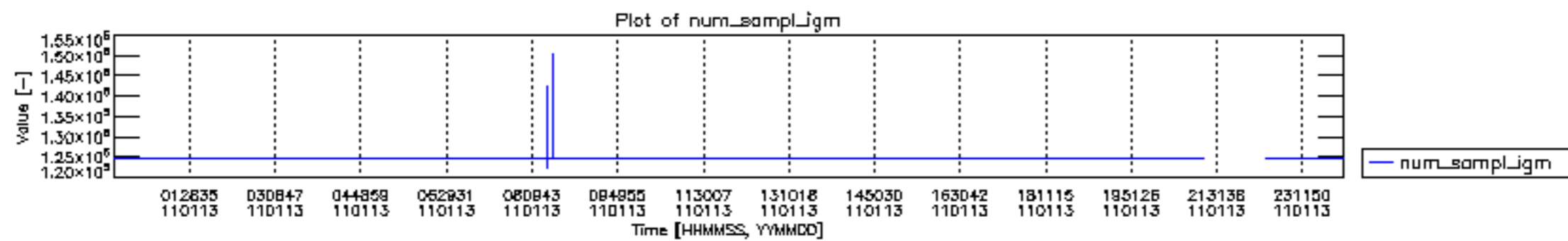
1	MIP_NL__0PNPDE20110113_022023_000045773098_00247_46382_2707.N1	0	1
2	MIP_NL__0PNPDE20110113_033609_000061293098_00248_46383_2708.N1	0	1
3	MIP_NL__0PNPDE20110113_051744_000061133098_00249_46384_2709.N1	0	1
4	MIP_NL__0PNPDK20110113_065902_000040693098_00250_46385_4007.N1	0	1
5	MIP_NL__0PNPDK20110113_080553_000061223098_00251_46386_4008.N1	0	1
6	MIP_NL__0PNPDK20110113_094618_000060503098_00252_46387_4009.N1	0	1
7	MIP_NL__0PNPDK20110113_112530_000058893098_00253_46388_4010.N1	0	1
8	MIP_NL__0PNPDK20110113_130245_000060273098_00254_46389_4012.N1	0	1
9	MIP_NL__0PNPDK20110113_144146_000059433098_00255_46390_4013.N1	0	1
10	MIP_NL__0PNPDK20110113_162006_000058493098_00256_46391_4014.N1	0	1
11	MIP_NL__0PNPDK20110113_175634_000060523098_00257_46392_4015.N1	0	1
12	MIP_NL__0PNPDK20110113_193536_000060543098_00258_46393_4016.N1	0	1
13	MIP_NL__0PNPDE20110113_222809_000060103098_00259_46394_2710.N1	0	1

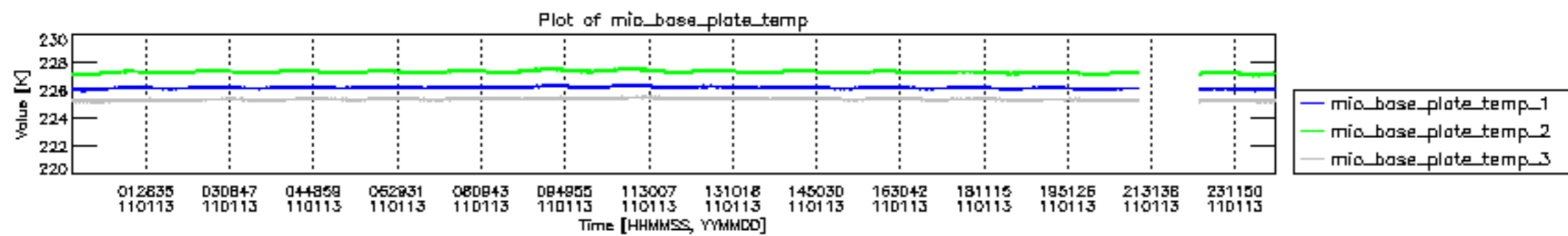


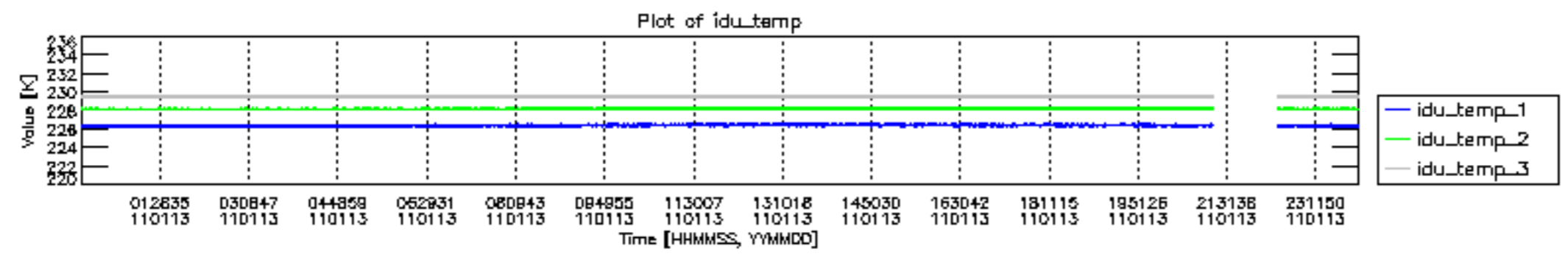
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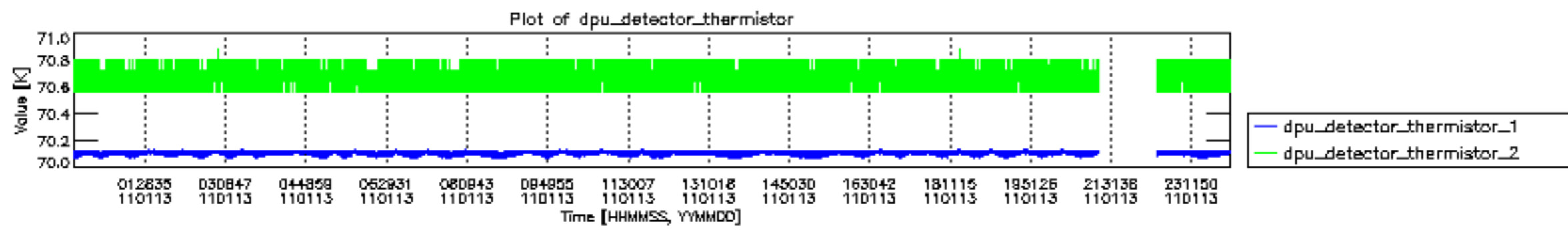


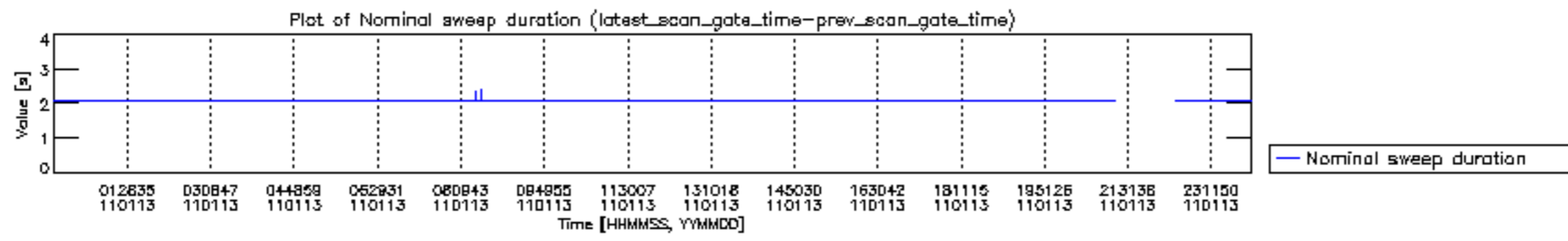
mipas_daily_report_level0_KSPT_L0_4504_N_20110113_13.PNG

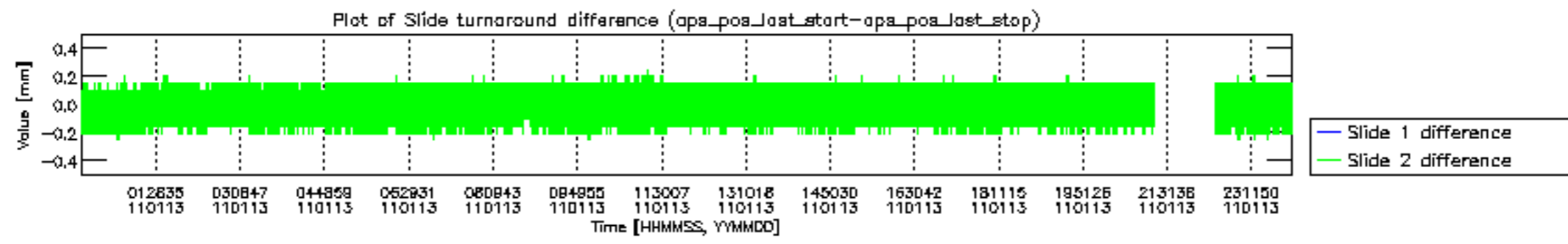


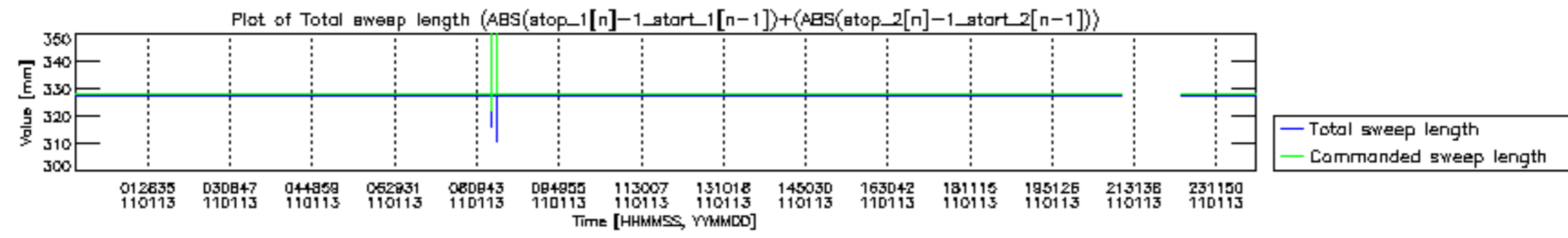


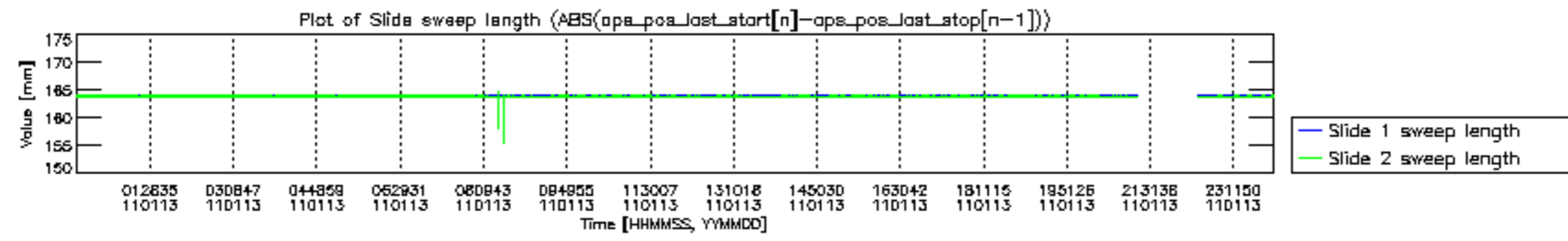


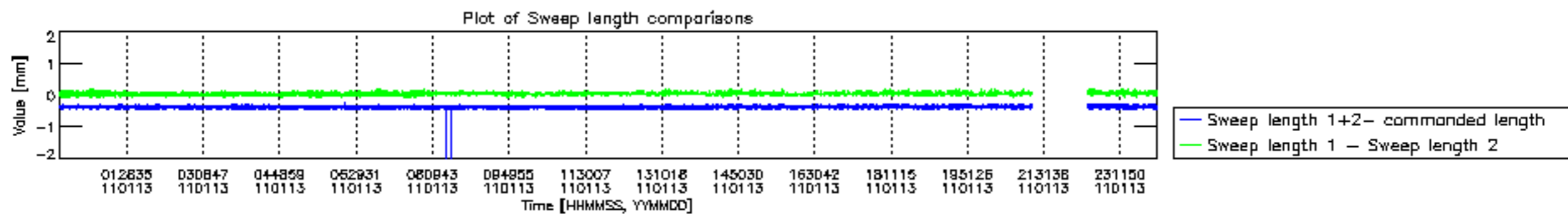


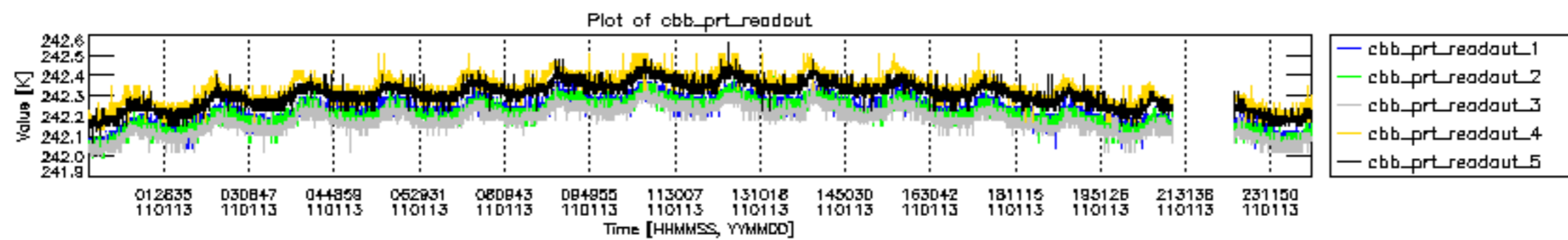


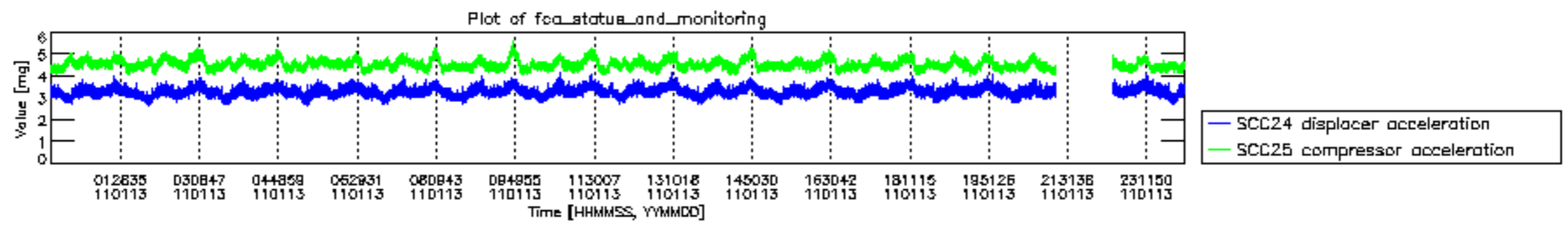












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

