

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	13DEC2010 05:25:15
Data source version	KSPT_L0/4504-N
Processing scope for products	08DEC2010 00:00:00 to 09DEC2010 00:00:00
Start time of first product within scope	08DEC2010 01:03:54
Stop time of last product within scope	09DEC2010 00:26:38
Total number of level 0 products	15
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__OPNPDE20101208_010354_000101863097_00160_45864_2453.N1	08DEC2010 01:03:54	08DEC2010 03:53:40	0	0	0	0	0
1	MIP_NL__OPNPDE20101208_014601_000076593097_00161_45865_2457.N1	08DEC2010 01:46:01	08DEC2010 03:53:40	0	0	0	0	0
2	MIP_NL__OPNPDE20101208_035305_000063193097_00162_45866_2454.N1	08DEC2010 03:53:05	08DEC2010 05:38:24	0	0	0	0	0
3	MIP_NL__OPNPDE20101208_053744_000060603097_00163_45867_2456.N1	08DEC2010 05:37:44	08DEC2010 07:18:45	0	0	0	0	0
4	MIP_NL__OPNPDK20101208_071803_000040013097_00164_45868_3492.N1	08DEC2010 07:18:03	08DEC2010 08:24:44	0	0	0	0	0
5	MIP_NL__OPNPDK20101208_082345_000061343097_00165_45869_3493.N1	08DEC2010 08:23:45	08DEC2010 10:05:59	0	0	0	0	0
6	MIP_NL__OPNPDK20101208_100452_000059653097_00166_45870_3494.N1	08DEC2010 10:04:52	08DEC2010 11:44:17	0	0	0	0	0
7	MIP_NL__OPNPDK20101208_114316_000060653097_00167_45871_3495.N1	08DEC2010 11:43:16	08DEC2010 13:24:21	0	0	0	0	0
8	MIP_NL__OPNPDK20101208_132324_000058933097_00168_45872_3496.N1	08DEC2010 13:23:24	08DEC2010 15:01:38	0	0	0	0	0
9	MIP_NL__OPNPDK20101208_150056_000058393097_00169_45873_3497.N1	08DEC2010 15:00:56	08DEC2010 16:38:15	0	0	0	0	0
10	MIP_NL__OPNPDK20101208_163631_000060483097_00170_45874_3498.N1	08DEC2010 16:36:31	08DEC2010 18:17:19	0	0	0	0	0
11	MIP_NL__OPNPDK20101208_181618_000059123097_00171_45875_3499.N1	08DEC2010 18:16:18	08DEC2010 19:54:50	0	0	0	0	0
12	MIP_NL__OPNPDE20101208_195253_000040783097_00172_45876_2458.N1	08DEC2010 19:52:53	08DEC2010 21:00:51	0	0	0	0	0
13	MIP_NL__OPNPDE20101208_205940_000064283097_00172_45876_2459.N1	08DEC2010 20:59:40	08DEC2010 22:46:48	0	0	0	0	0
14	MIP_NL__OPNPDE20101208_224531_000060673097_00173_45877_2460.N1	08DEC2010 22:45:31	09DEC2010 00:26:38	0	0	0	0	0

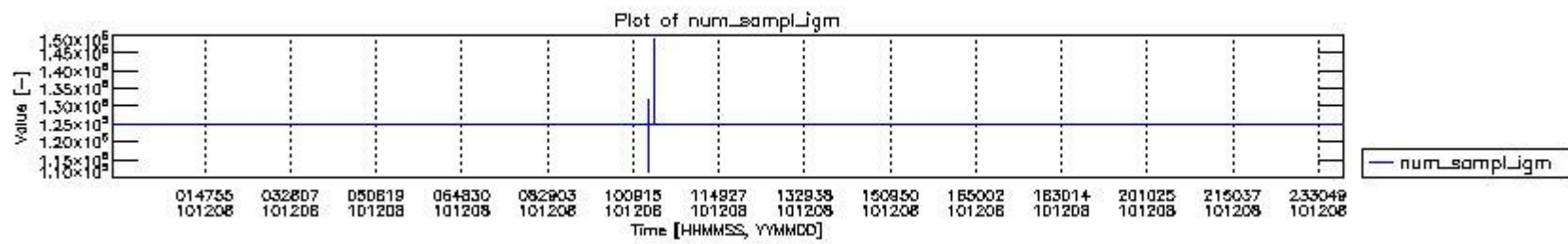
0.2 Instrument Operational Performance Parameters

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.

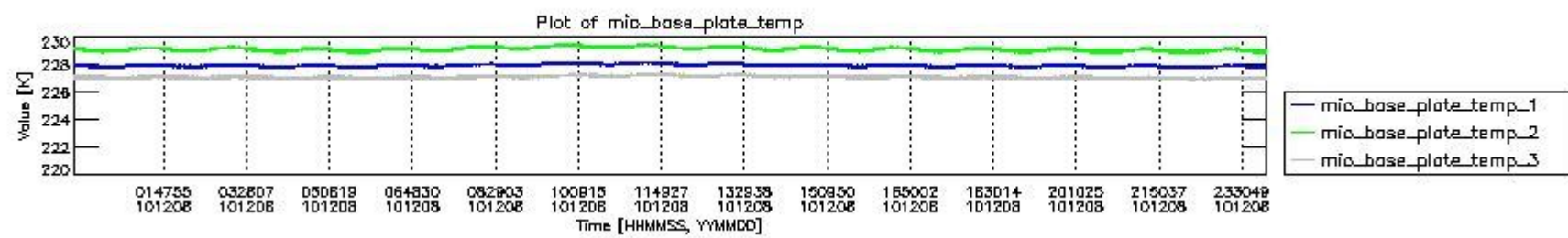
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
111547	1	0.0023997504
118426	1	0.0023997504
124800	38709	92.891939

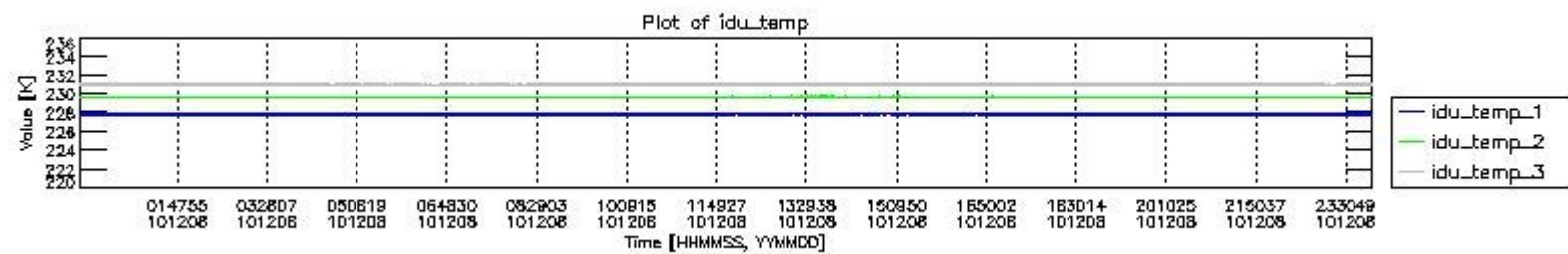
124803	2956	7.0936623
126862	1	0.0023997504
131679	1	0.0023997504
146994	1	0.0023997504
149056	1	0.0023997504



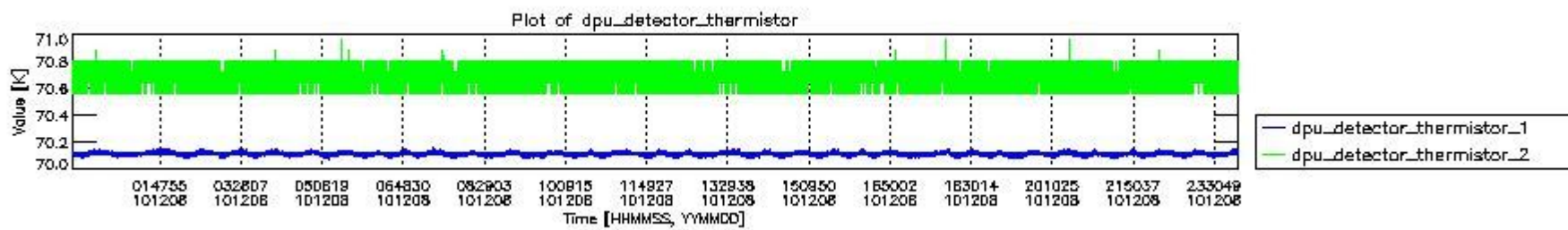
mipas_daily_report_level0_KSPT_L0_4504_N_20101208_0.PNG



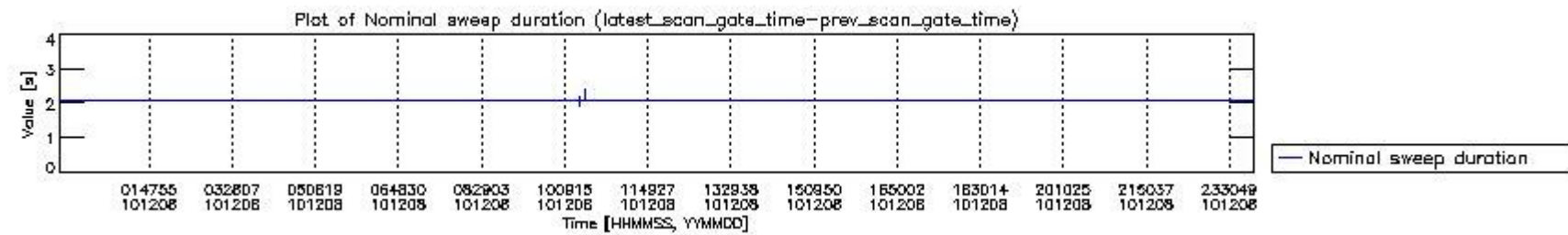
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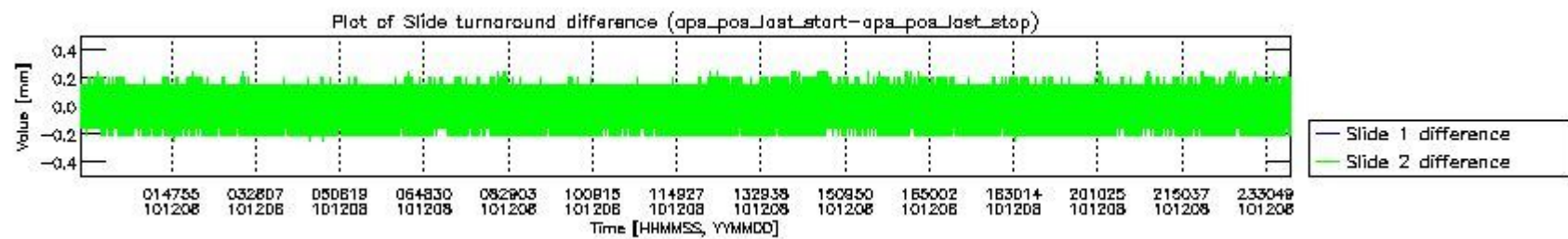
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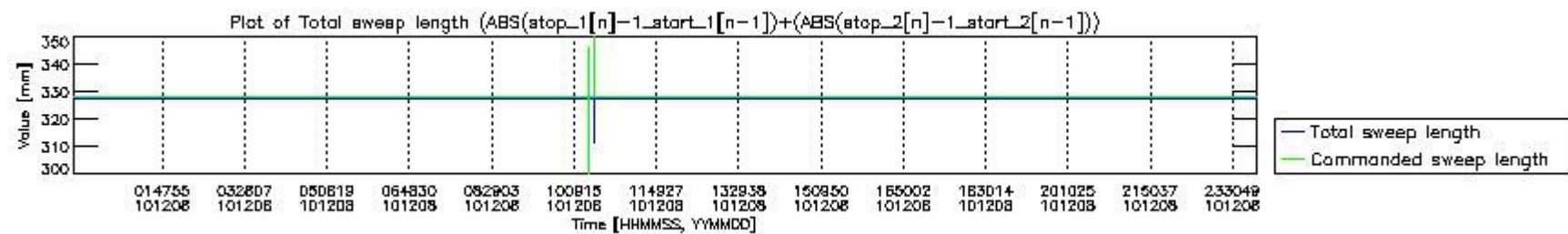
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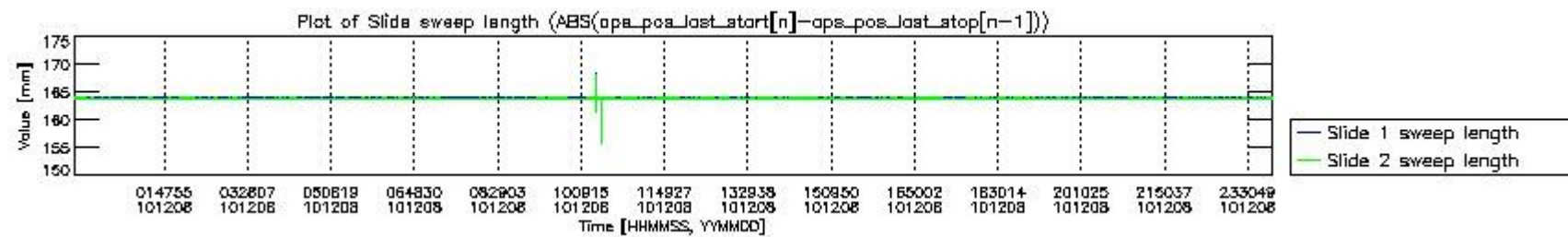
mipas_daily_report_level0_KSPT_L0_4504_N_20101208_4.PNG



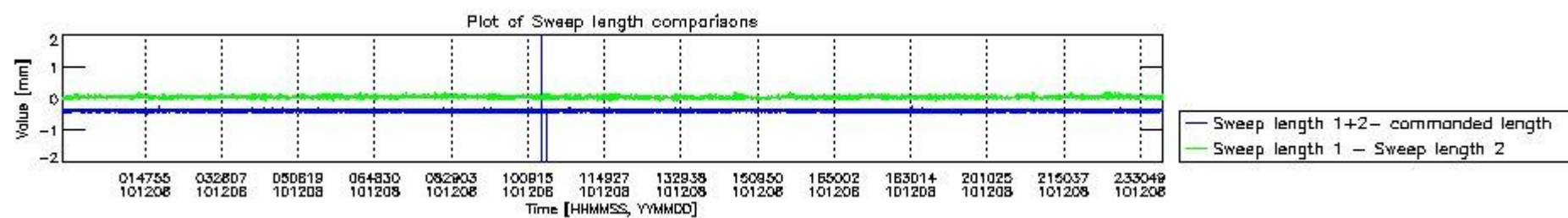
mipas_daily_report_level0_KSPT_L0_4504_N_20101208_5.PNG



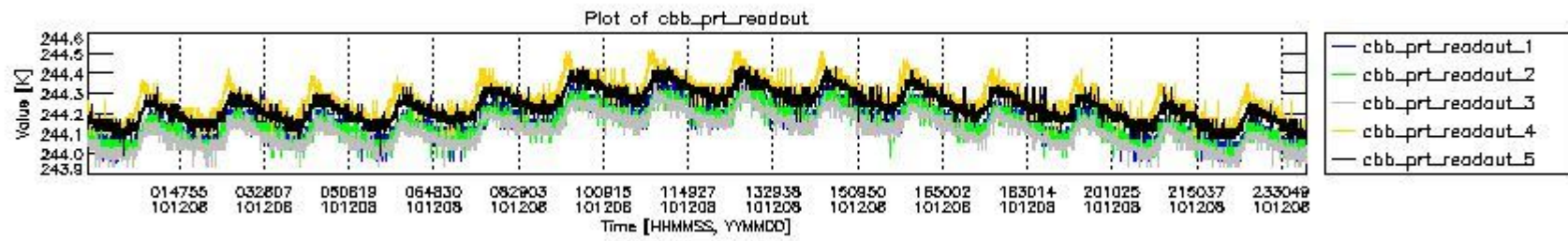
mipas_daily_report_level0_KSPT_L0_4504_N_20101208_6.PNG



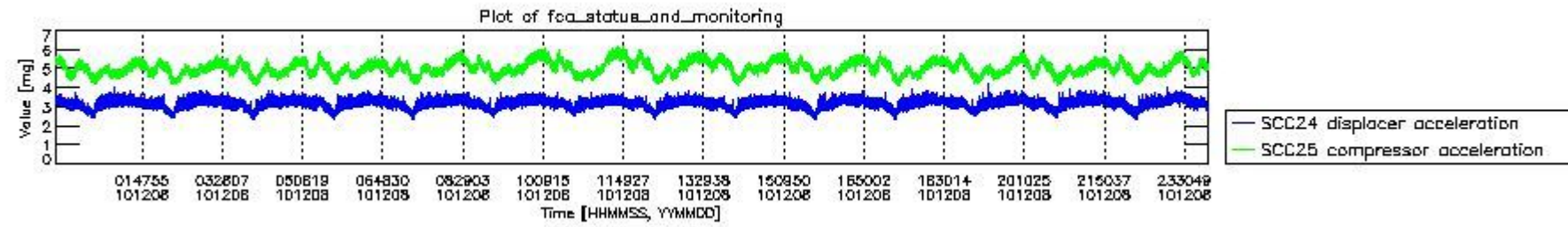
mipas_daily_report_level0_KSPT_L0_4504_N_20101208_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101208_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101208_9.PNG

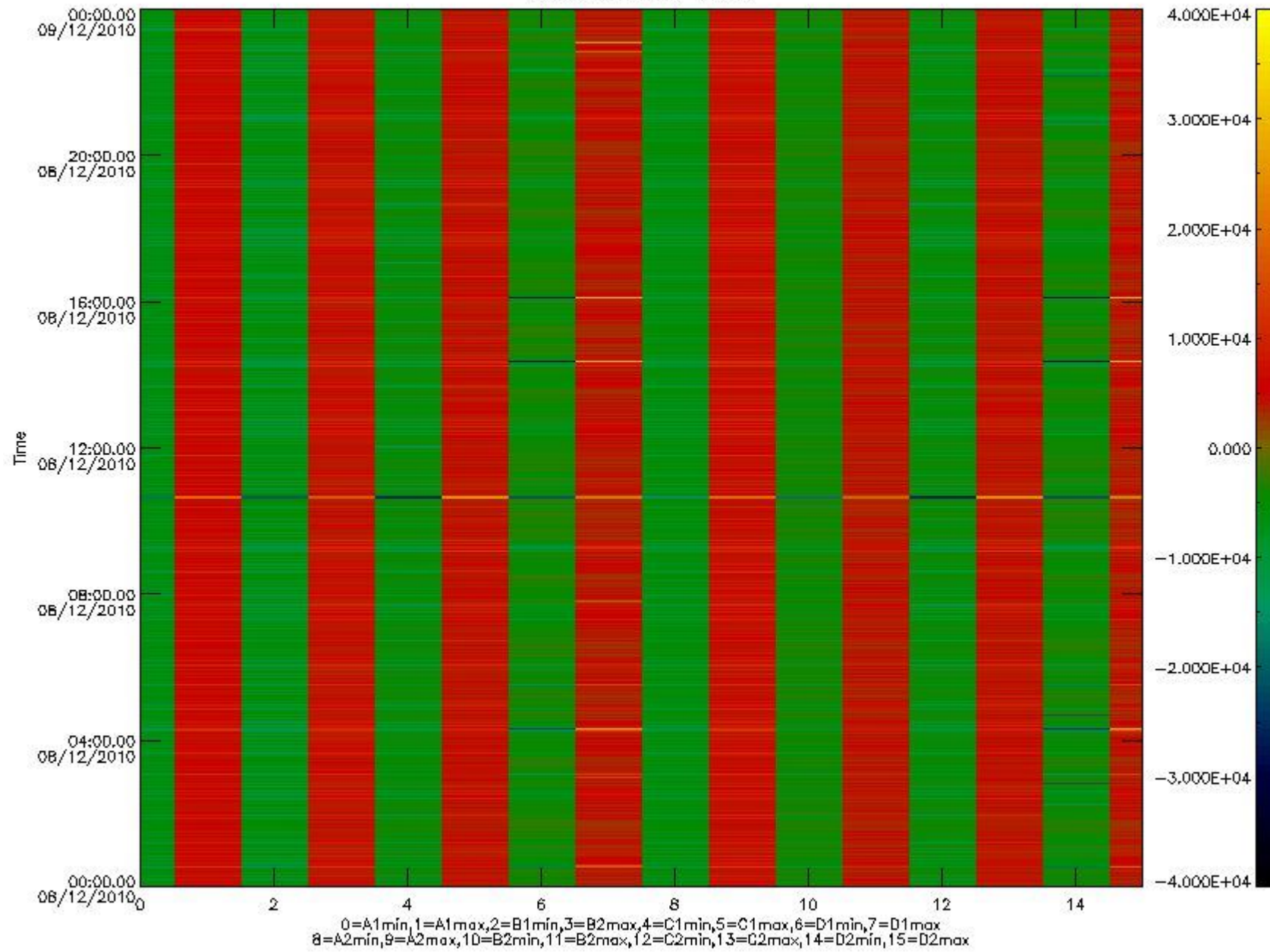


mipas_daily_report_level0_KSPT_L0_4504_N_20101208_10.PNG

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

Channel	Min	Max	ADC
A1	-18401	19586	16bit
B1	-20342	17530	16bit
C1	-24674	24420	16bit
D1	-32768	32767	16bit
A2	-15902	19698	16bit
B2	-18466	18054	16bit
C2	-25616	25381	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_20101208_11.PNG

0.3 ADF monitoring

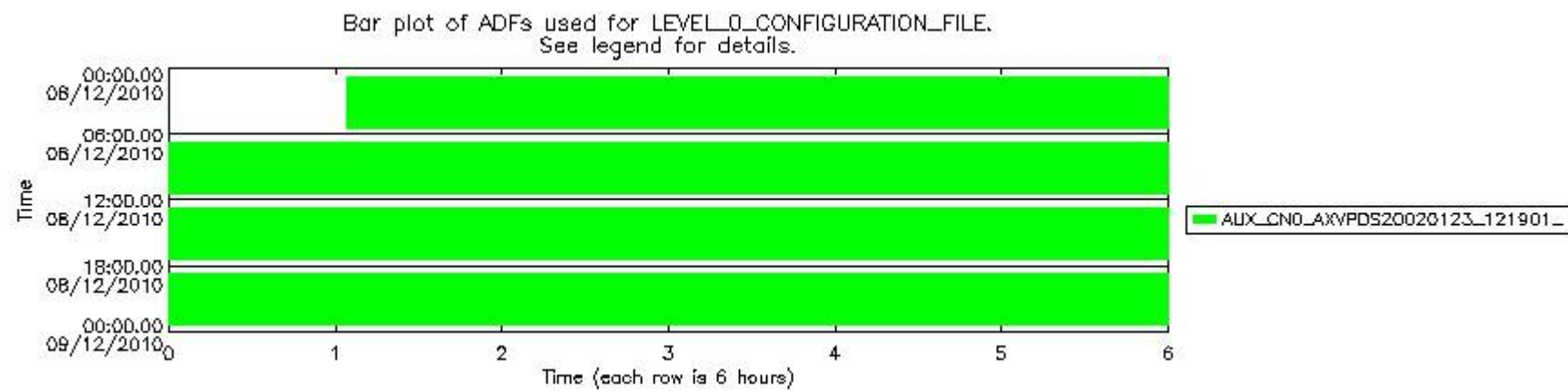
The use of ADFs is shown in two ways:

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.

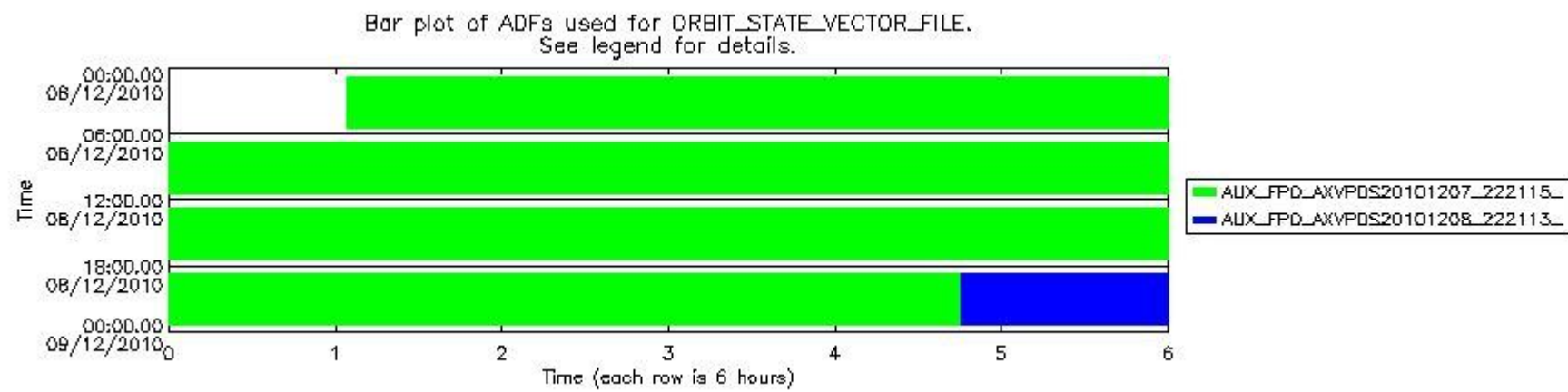
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101207_222115_20101207_183458_20101217_204851
2	AUX_FPO_AXVPDS20101208_222113_20101208_193828_20101218_201208

Number	Product name	#CN0	#FPO
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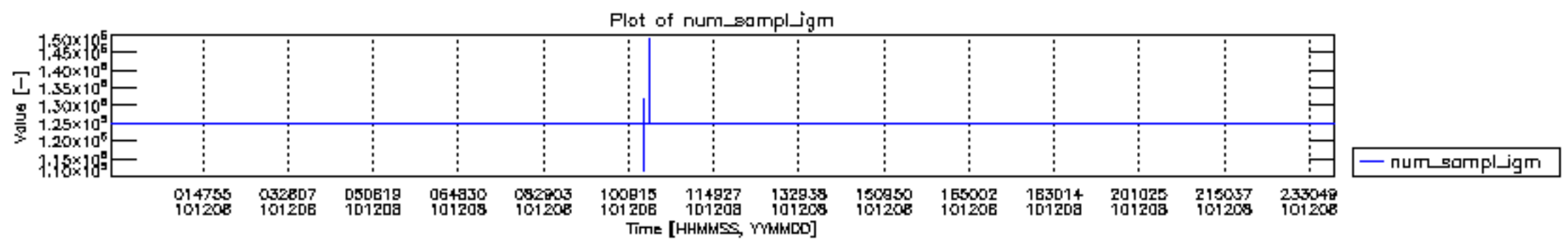
0	MIP_NL__0PNPDE20101208_010354_000101863097_00160_45864_2453.N1	0	1
1	MIP_NL__0PNPDE20101208_014601_000076593097_00161_45865_2457.N1	0	1
2	MIP_NL__0PNPDE20101208_035305_000063193097_00162_45866_2454.N1	0	1
3	MIP_NL__0PNPDE20101208_053744_000060603097_00163_45867_2456.N1	0	1
4	MIP_NL__0PNPDK20101208_071803_000040013097_00164_45868_3492.N1	0	1
5	MIP_NL__0PNPDK20101208_082345_000061343097_00165_45869_3493.N1	0	1
6	MIP_NL__0PNPDK20101208_100452_000059653097_00166_45870_3494.N1	0	1
7	MIP_NL__0PNPDK20101208_114316_000060653097_00167_45871_3495.N1	0	1
8	MIP_NL__0PNPDK20101208_132324_000058933097_00168_45872_3496.N1	0	1
9	MIP_NL__0PNPDK20101208_150056_000058393097_00169_45873_3497.N1	0	1
10	MIP_NL__0PNPDK20101208_163631_000060483097_00170_45874_3498.N1	0	1
11	MIP_NL__0PNPDK20101208_181618_000059123097_00171_45875_3499.N1	0	1
12	MIP_NL__0PNPDE20101208_195253_000040783097_00172_45876_2458.N1	0	1
13	MIP_NL__0PNPDE20101208_205940_000064283097_00172_45876_2459.N1	0	1
14	MIP_NL__0PNPDE20101208_224531_000060673097_00173_45877_2460.N1	0	2

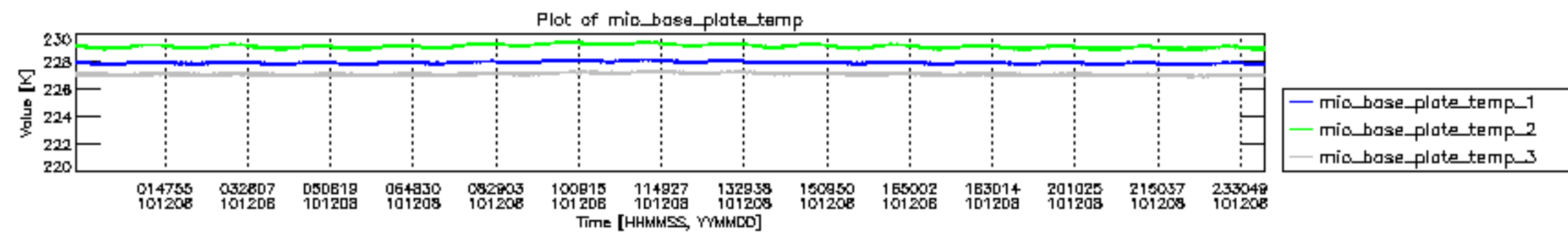


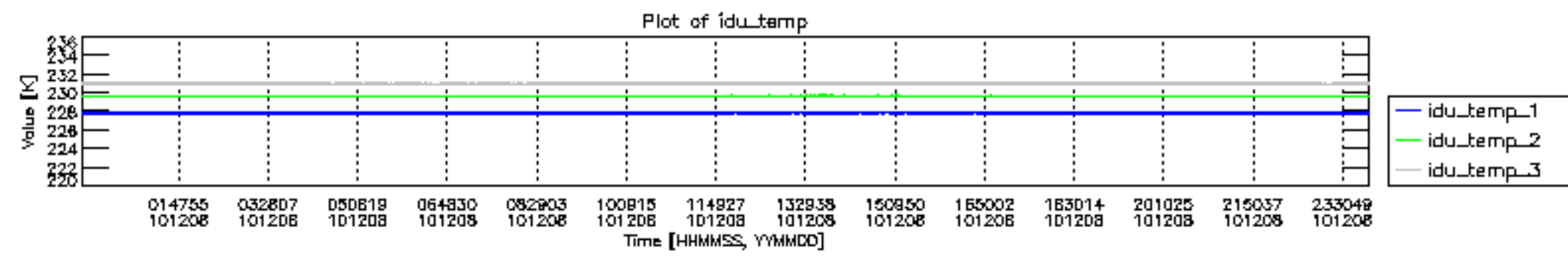
mipas_daily_report_level0_KSPT_L0_4504_N_20101208_12.PNG

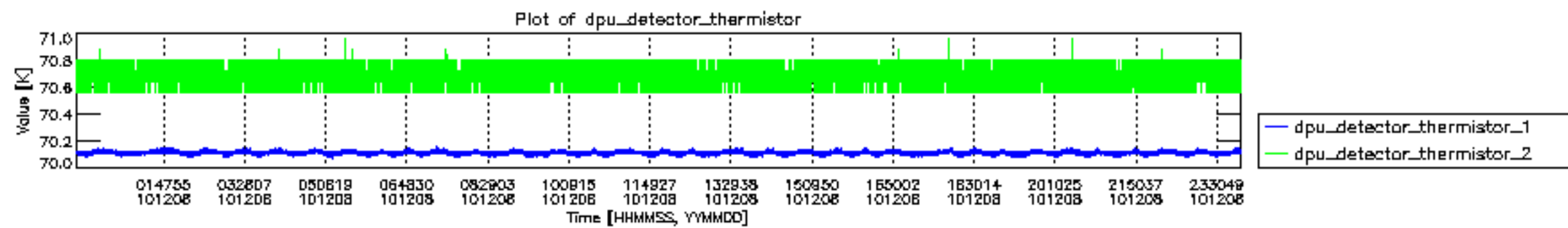


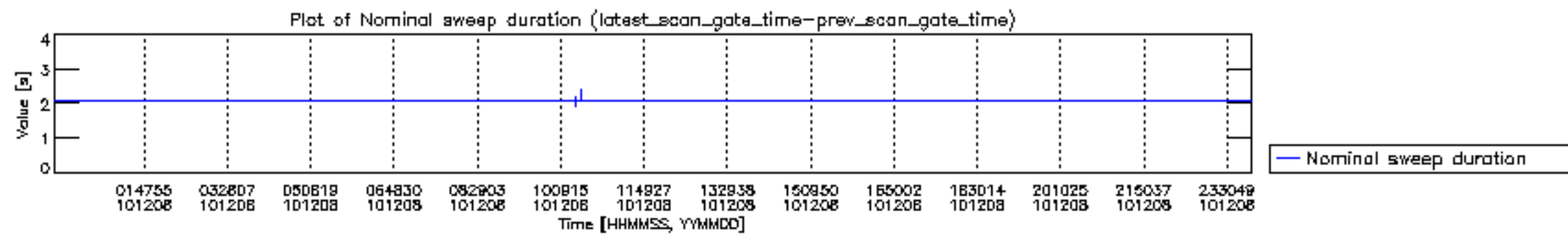
mipas_daily_report_level0_KSPT_L0_4504_N_20101208_13.PNG

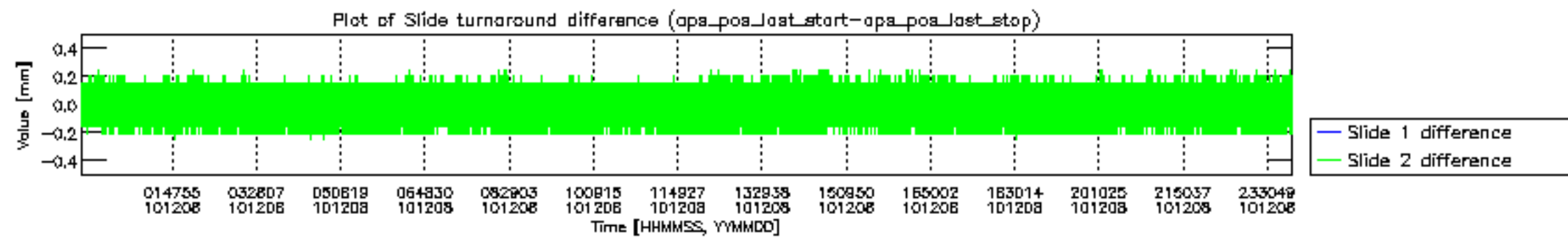


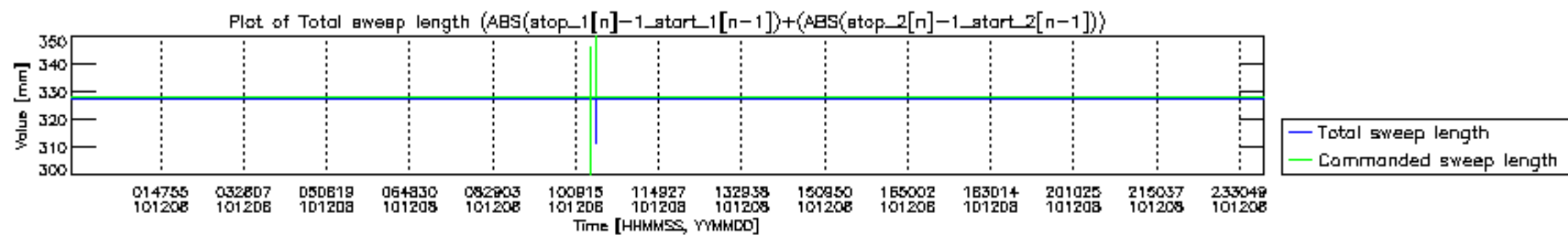


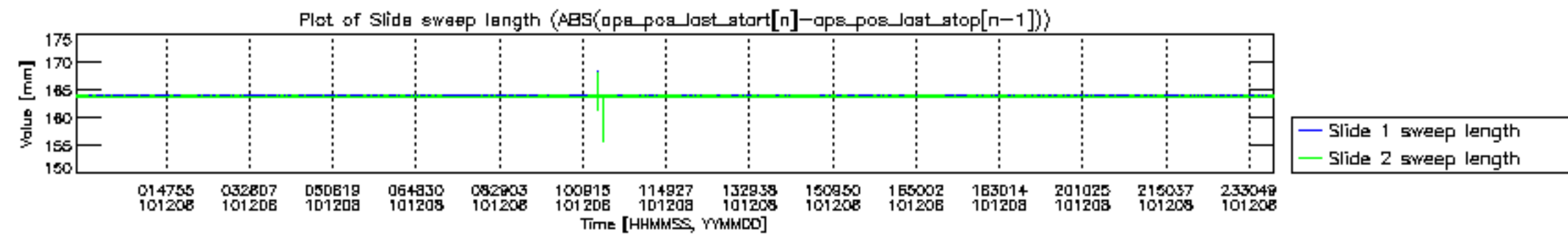


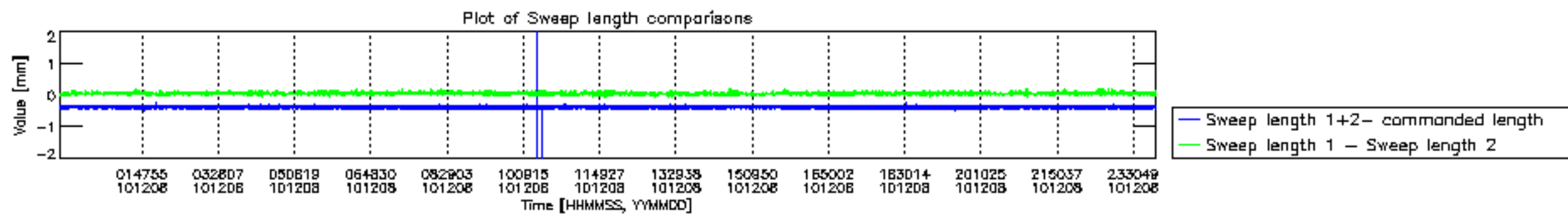


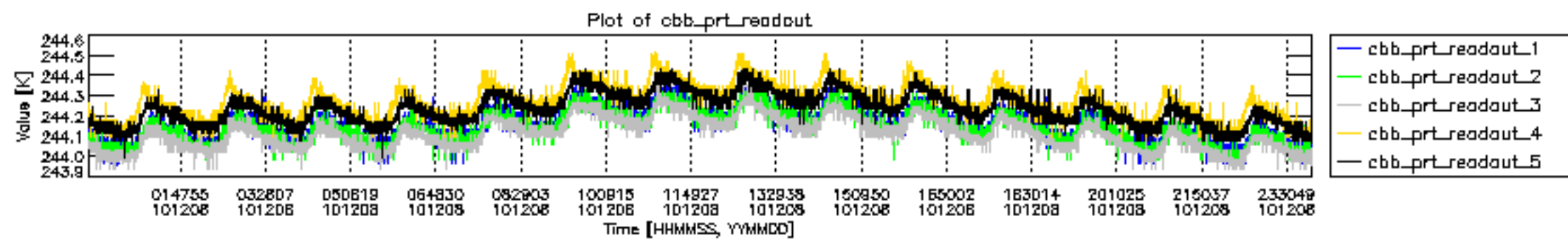


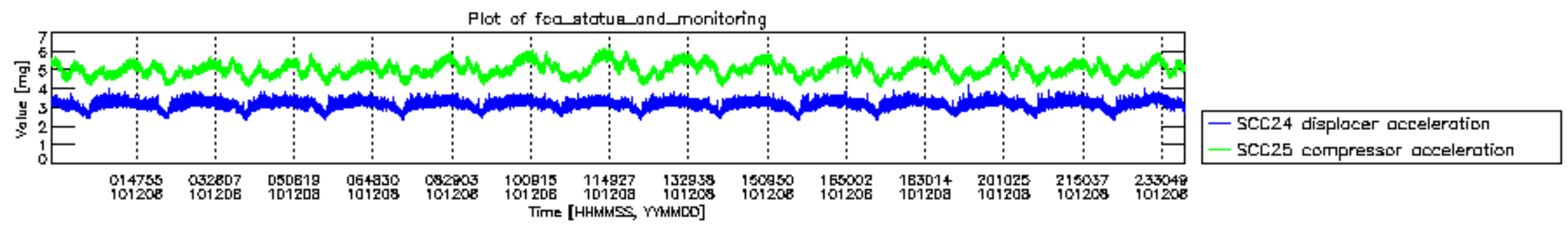












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

