

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	22NOV2010 05:22:56
Data source version	KSPT_L0/4504-N
Processing scope for products	17NOV2010 00:00:00 to 18NOV2010 00:00:00
Start time of first product within scope	17NOV2010 00:34:15
Stop time of last product within scope	18NOV2010 01:36:28
Total number of level 0 products	15
Number of level 0 products with errors	1

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__0PNPDE20101117_003415_000057703096_00289_45562_2032.N1	17NOV2010 00:34:15	17NOV2010 02:10:25	0	0	0	0	0
1	MIP_NL__0PNPDE20101117_020929_000045333096_00290_45563_2033.N1	17NOV2010 02:09:29	17NOV2010 03:25:02	0	0	0	0	0
2	MIP_NL__0PNPDE20101117_032429_000061633096_00291_45564_2034.N1	17NOV2010 03:24:29	17NOV2010 05:07:12	0	0	0	0	0
3	MIP_NL__0PNPDE20101117_050638_000023223096_00292_45565_2035.N1	17NOV2010 05:06:38	17NOV2010 05:45:20	0	0	0	0	0
4	MIP_NL__0PNPDK20101117_090528_000018553096_00294_45567_3297.N1	17NOV2010 09:05:28	17NOV2010 09:36:23	1	1	0	0	0
5	MIP_NL__0PNPDK20101117_093524_000059603096_00295_45568_3298.N1	17NOV2010 09:35:24	17NOV2010 11:14:44	0	0	0	0	0
6	MIP_NL__0PNPDK20101117_111348_000059943096_00296_45569_3299.N1	17NOV2010 11:13:48	17NOV2010 12:53:42	0	0	0	0	0
7	MIP_NL__0PNPDK20101117_125243_000059183096_00297_45570_3300.N1	17NOV2010 12:52:43	17NOV2010 14:31:22	0	0	0	0	0
8	MIP_NL__0PNPDK20101117_143023_000059523096_00298_45571_3301.N1	17NOV2010 14:30:23	17NOV2010 16:09:35	0	0	0	0	0
9	MIP_NL__0PNPDK20101117_160902_000059193096_00299_45572_3302.N1	17NOV2010 16:09:02	17NOV2010 17:47:40	0	0	0	0	0
10	MIP_NL__0PNPDK20101117_174640_000059563096_00300_45573_3303.N1	17NOV2010 17:46:40	17NOV2010 19:25:56	0	0	0	0	0
11	MIP_NL__0PNPDK20101117_192401_000061363096_00301_45574_3304.N1	17NOV2010 19:24:01	17NOV2010 21:06:17	0	0	0	0	0
12	MIP_NL__0PNPDE20101117_210516_000042623096_00302_45575_2036.N1	17NOV2010 21:05:16	17NOV2010 22:16:18	0	0	0	0	0
13	MIP_NL__0PNPDE20101117_221448_000062633096_00302_45575_2037.N1	17NOV2010 22:14:48	17NOV2010 23:59:11	0	0	0	0	0
14	MIP_NL__0PNPDE20101117_235804_000059043096_00303_45576_2038.N1	17NOV2010 23:58:04	18NOV2010 01:36:28	0	0	0	0	0

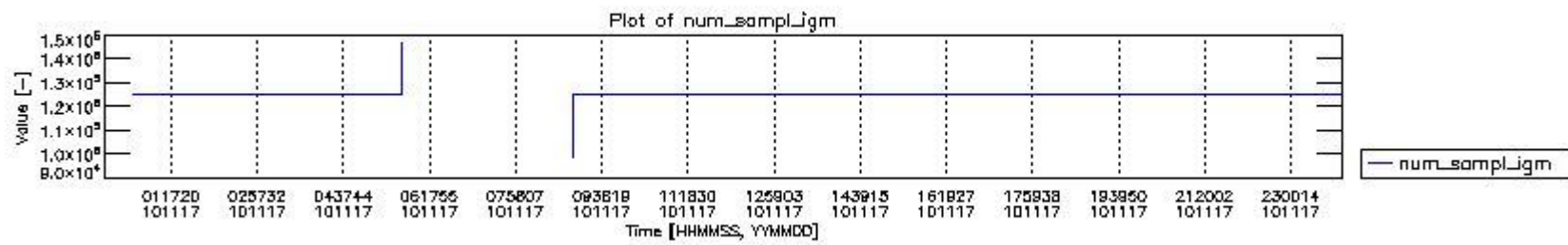
0.2 Instrument Operational Performance Parameters

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.

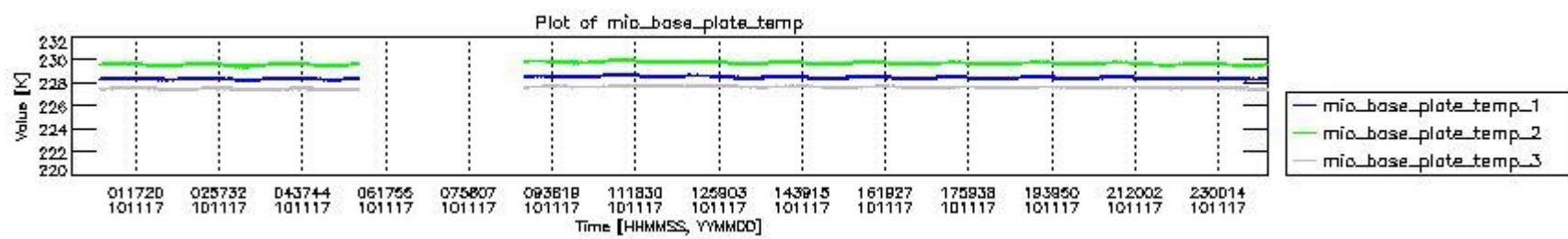
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98922	1	0.0028705936
123548	1	0.0028705936
124174	1	0.0028705936

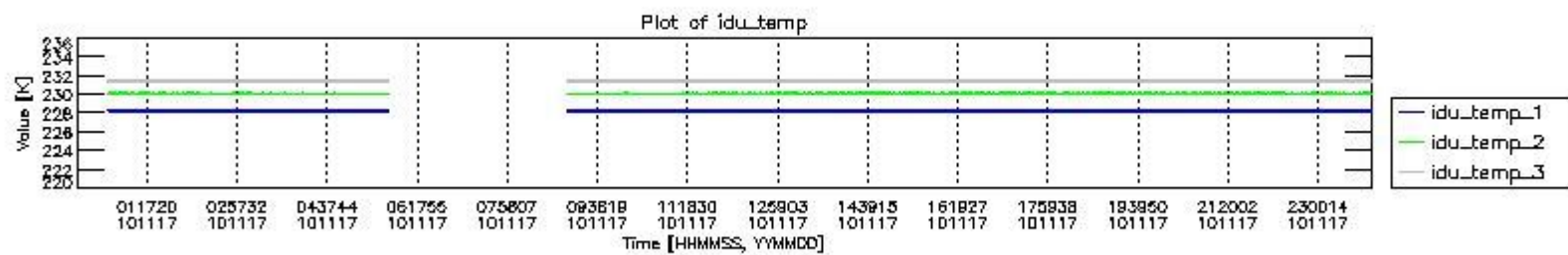
124800	32337	92.826386
124803	2493	7.1563899
125672	1	0.0028705936
145804	1	0.0028705936
146676	1	0.0028705936



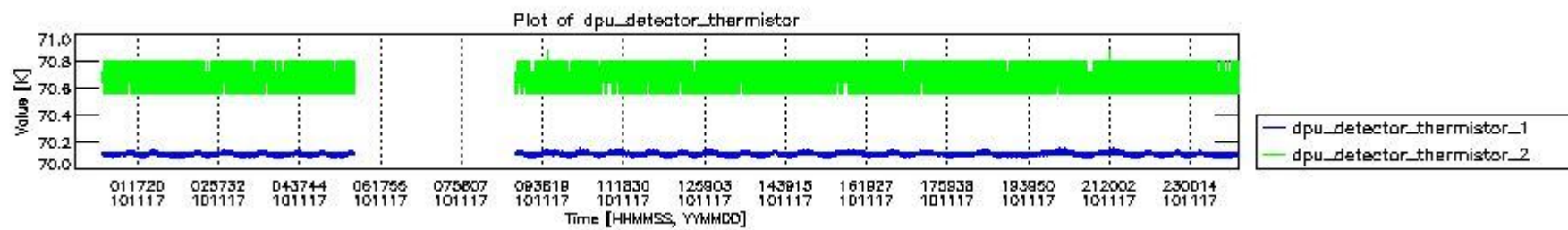
mipas_daily_report_level0_KSPT_L0_4504_N_20101117_0.PNG



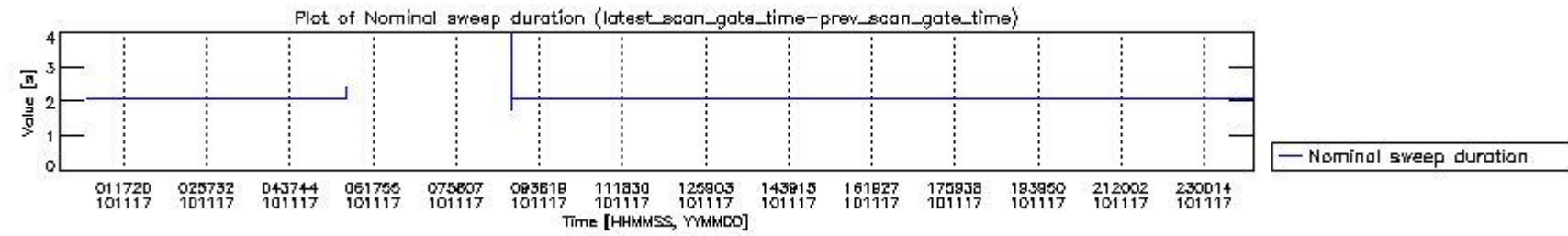
mipas_daily_report_level0_KSPT_L0_4504_N_20101117_1.PNG



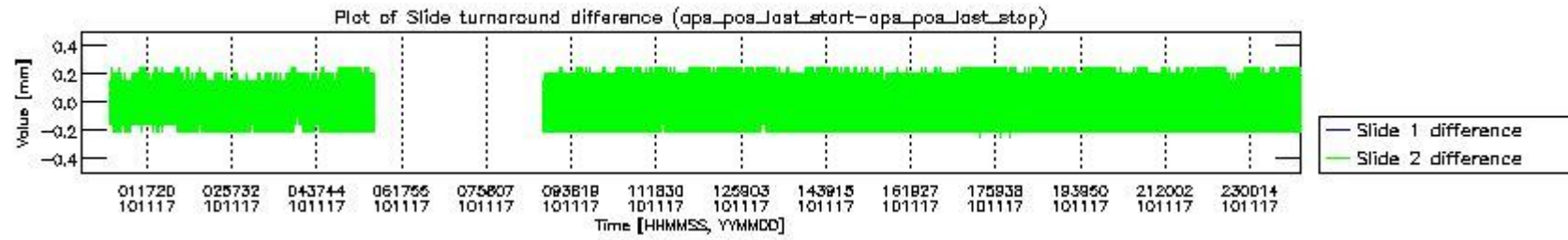
mipas_daily_report_level0_KSPT_L0_4504_N_20101117_2.PNG



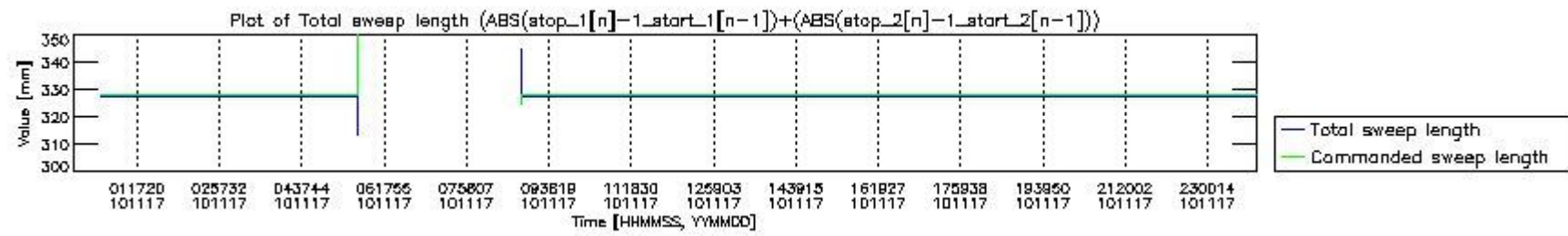
mipas_daily_report_level0_KSPT_L0_4504_N_20101117_3.PNG



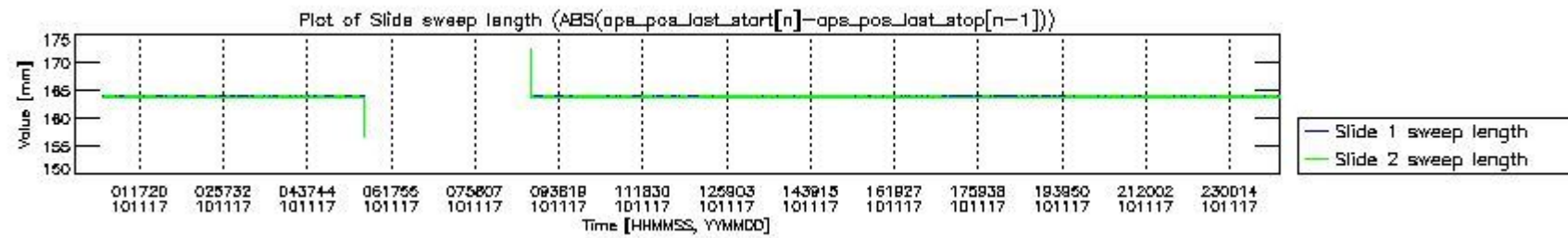
mipas_daily_report_level0_KSPT_L0_4504_N_20101117_4.PNG



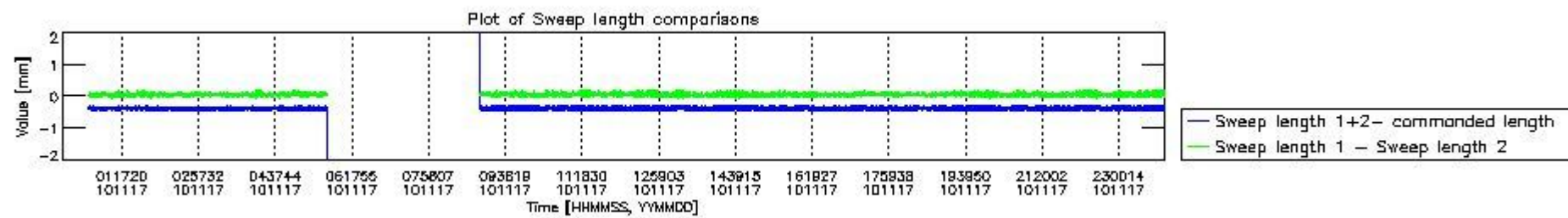
mipas_daily_report_level0_KSPT_L0_4504_N_20101117_5.PNG



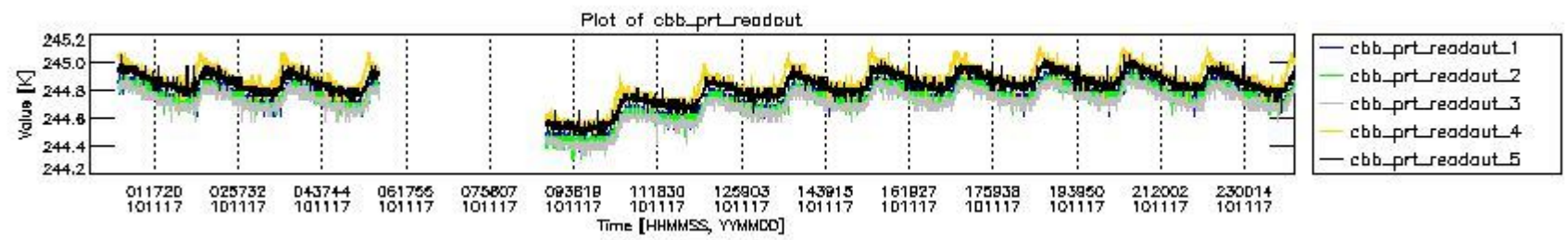
mipas_daily_report_level0_KSPT_L0_4504_N_20101117_6.PNG



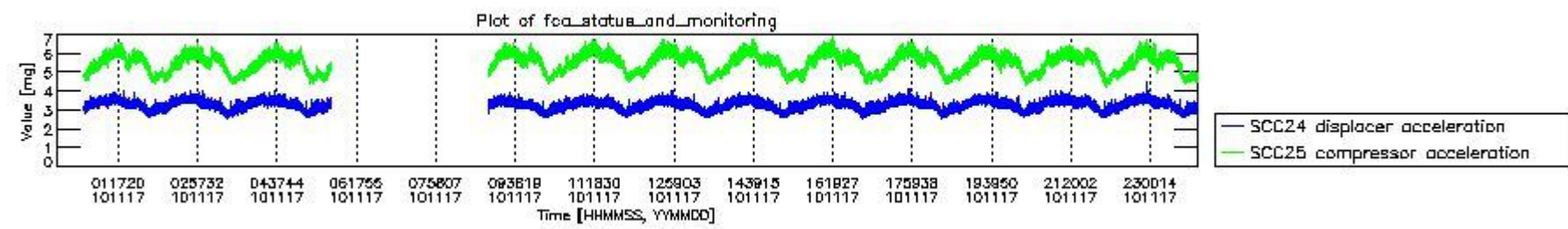
mipas_daily_report_level0_KSPT_L0_4504_N_20101117_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101117_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101117_9.PNG

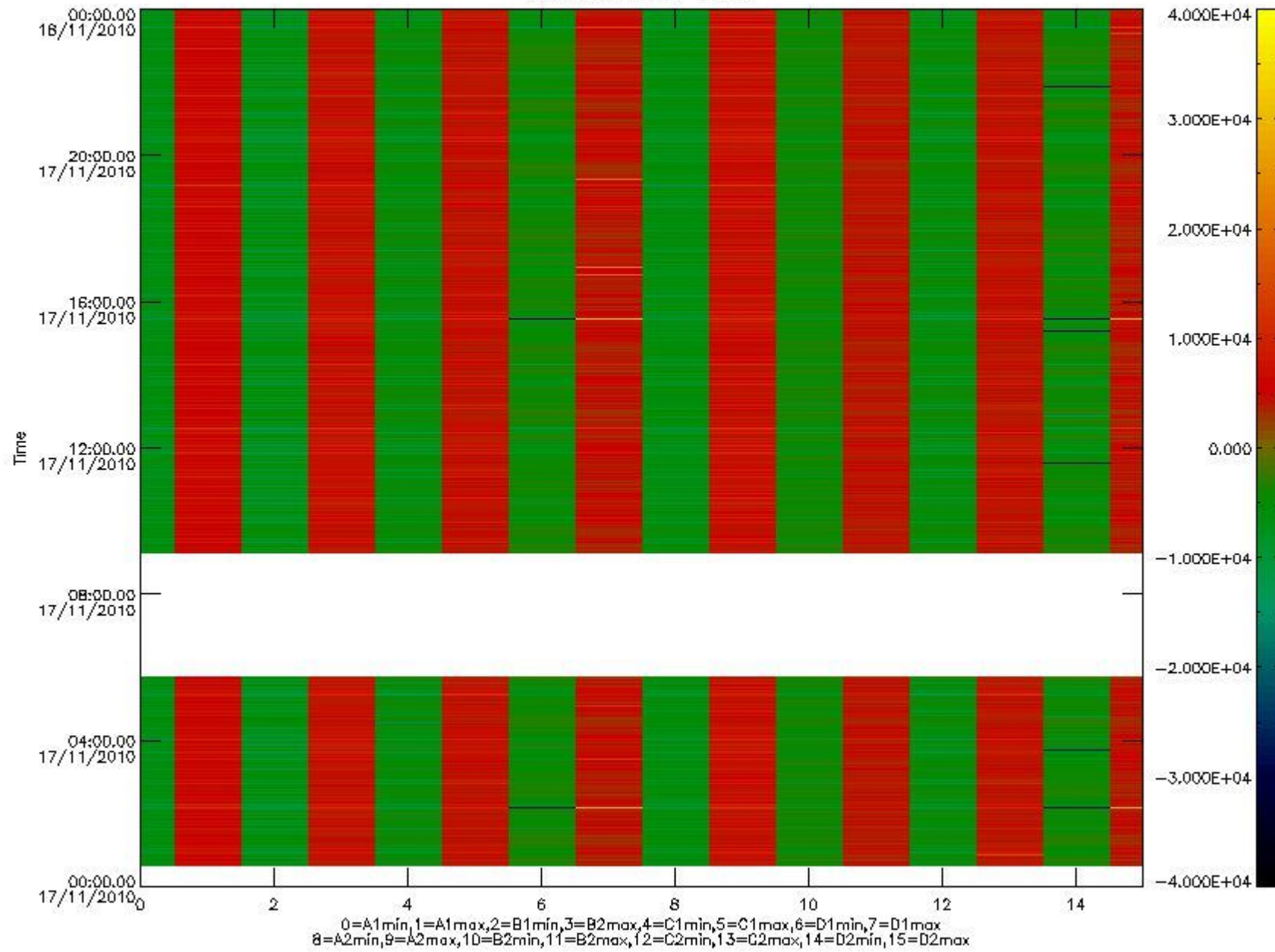


mipas_daily_report_level0_KSPT_L0_4504_N_20101117_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-20505	19257	16bit
D1	-32768	32767	16bit
A2	-32768	28549	16bit
B2	-32768	32767	16bit
C2	-19654	23475	16bit
D2	-32768	32767	16bit

MIPNL0P_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101117_11.PNG

0.3 ADF monitoring

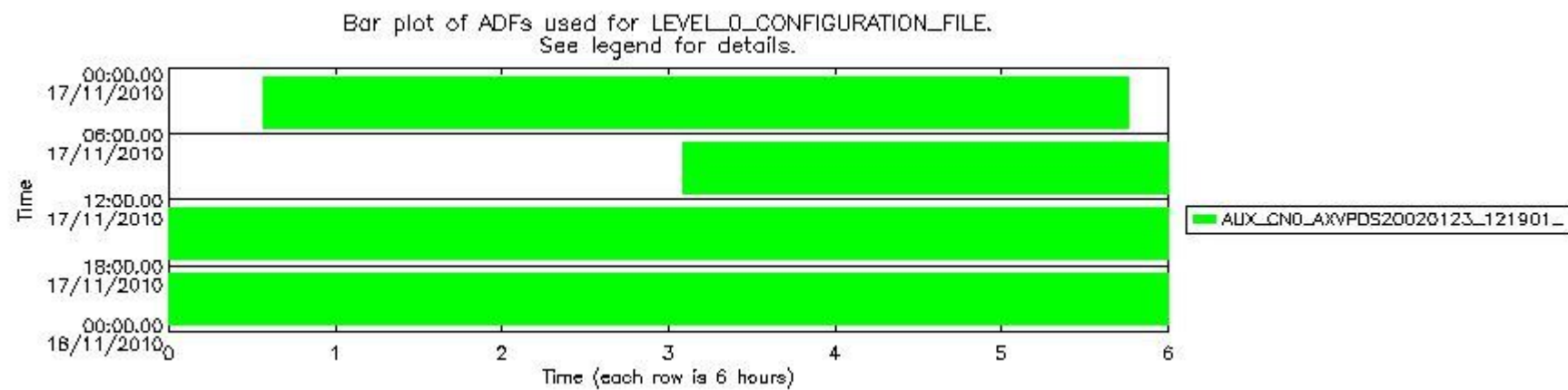
The use of ADFs is shown in two ways:

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.

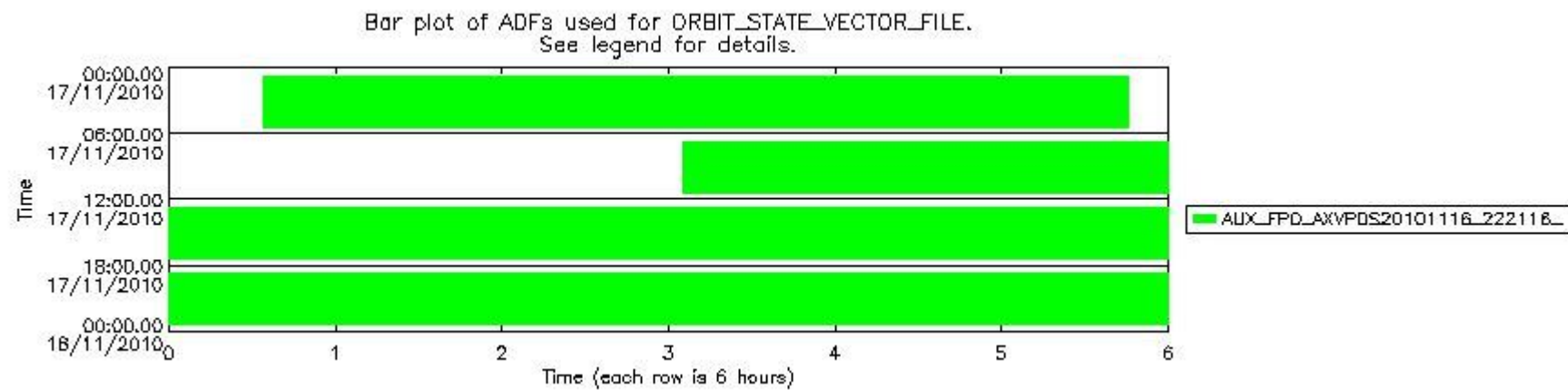
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101116_222116_20101116_194434_20101126_201815

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101117_003415_000057703096_00289_45562_2032.N1	0	1

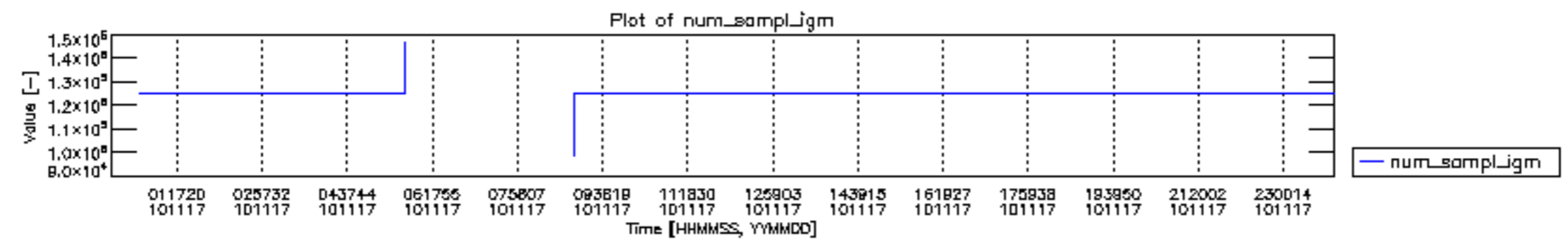
1	MIP_NL__0PNPDE20101117_020929_000045333096_00290_45563_2033.N1	0	1
2	MIP_NL__0PNPDE20101117_032429_000061633096_00291_45564_2034.N1	0	1
3	MIP_NL__0PNPDE20101117_050638_000023223096_00292_45565_2035.N1	0	1
4	MIP_NL__0PNPDK20101117_090528_000018553096_00294_45567_3297.N1	0	1
5	MIP_NL__0PNPDK20101117_093524_000059603096_00295_45568_3298.N1	0	1
6	MIP_NL__0PNPDK20101117_111348_000059943096_00296_45569_3299.N1	0	1
7	MIP_NL__0PNPDK20101117_125243_000059183096_00297_45570_3300.N1	0	1
8	MIP_NL__0PNPDK20101117_143023_000059523096_00298_45571_3301.N1	0	1
9	MIP_NL__0PNPDK20101117_160902_000059193096_00299_45572_3302.N1	0	1
10	MIP_NL__0PNPDK20101117_174640_000059563096_00300_45573_3303.N1	0	1
11	MIP_NL__0PNPDK20101117_192401_000061363096_00301_45574_3304.N1	0	1
12	MIP_NL__0PNPDE20101117_210516_000042623096_00302_45575_2036.N1	0	1
13	MIP_NL__0PNPDE20101117_221448_000062633096_00302_45575_2037.N1	0	1
14	MIP_NL__0PNPDE20101117_235804_000059043096_00303_45576_2038.N1	0	1

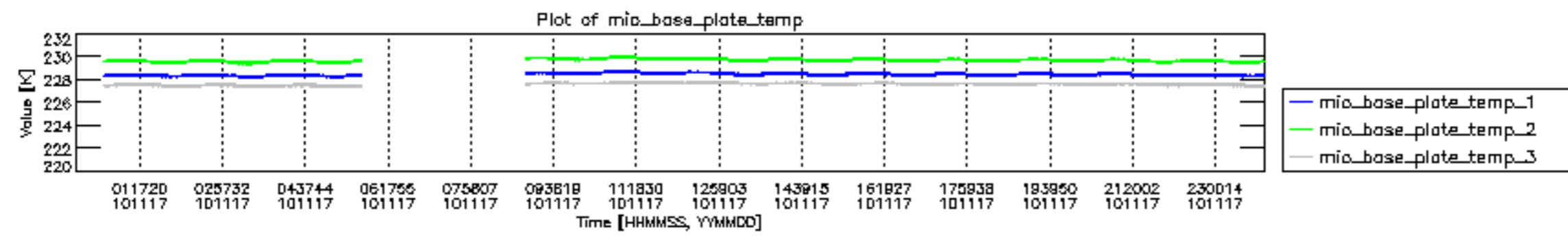


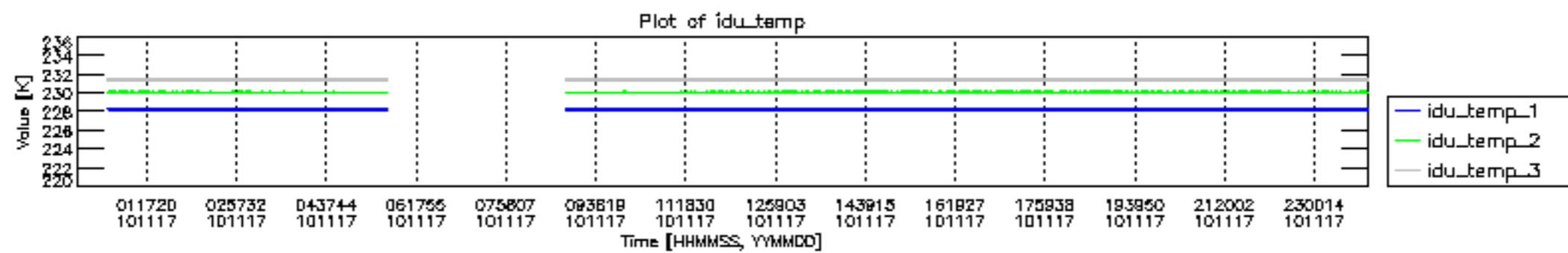
mipas_daily_report_level0_KSPT_L0_4504_N_20101117_12.PNG

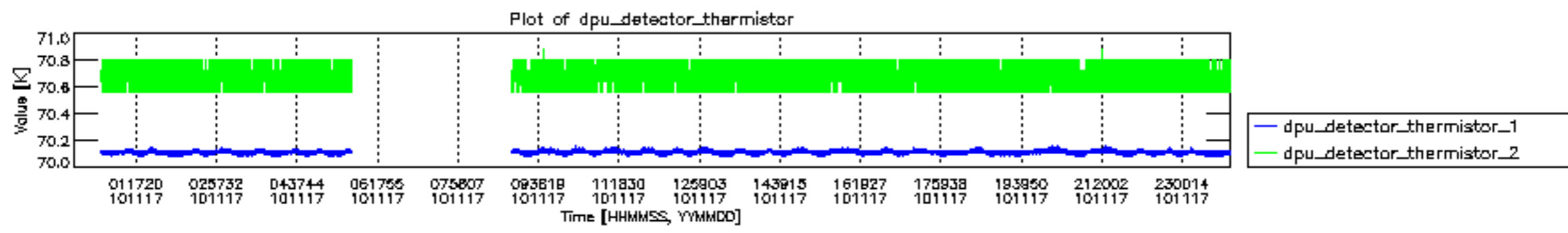


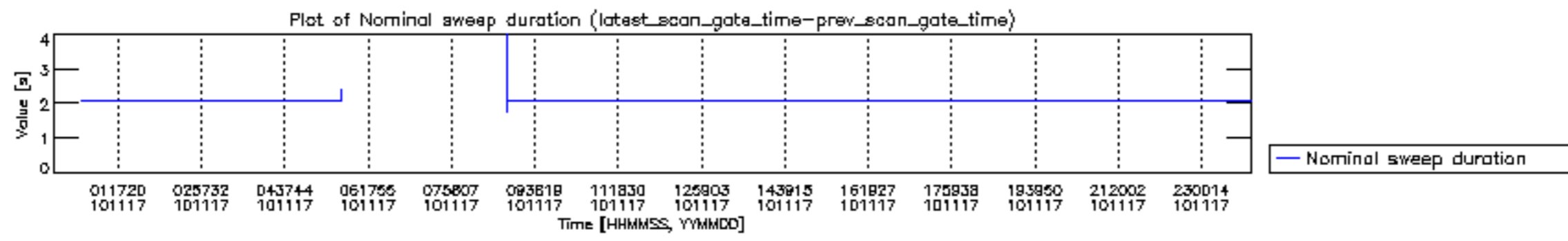
mipas_daily_report_level0_KSPT_L0_4504_N_20101117_13.PNG

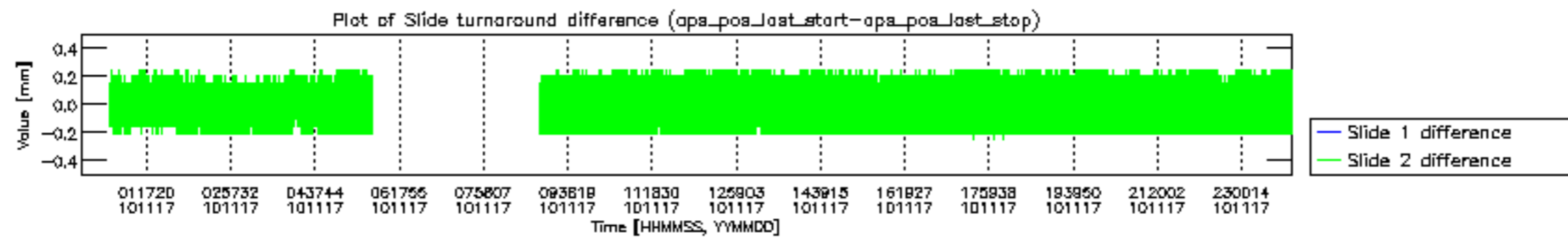


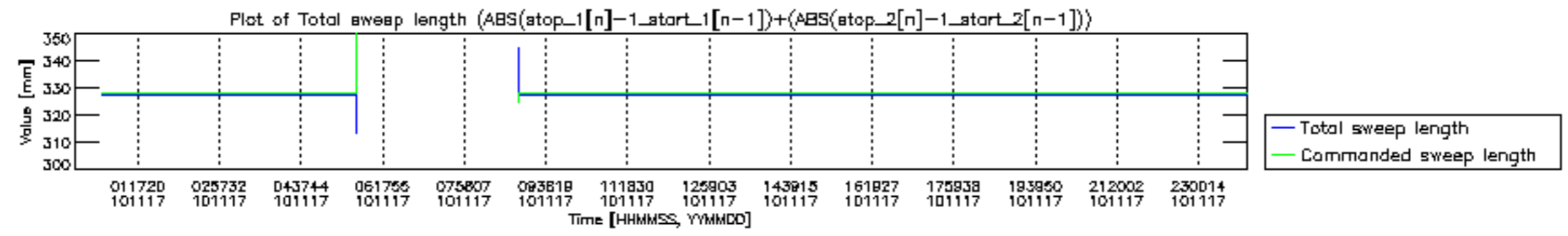


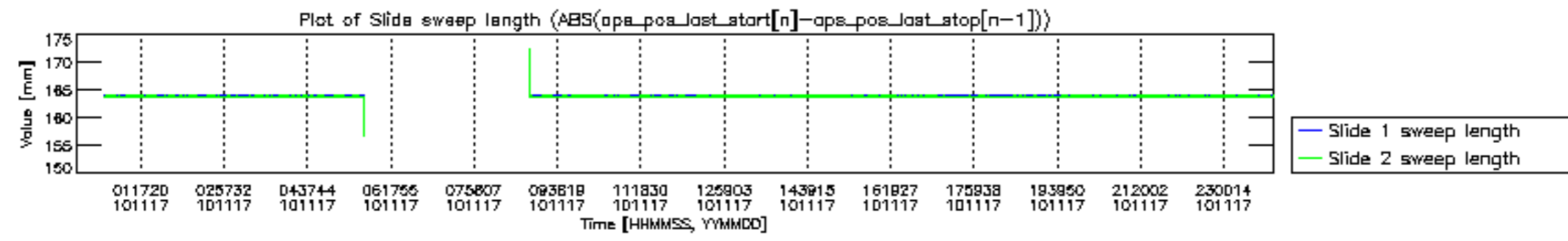


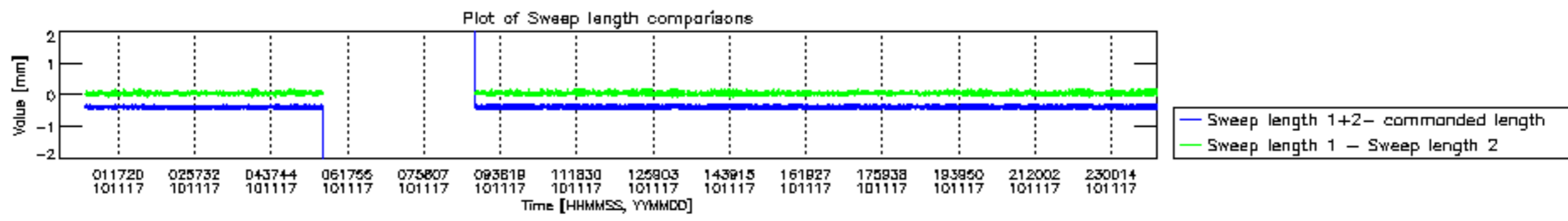


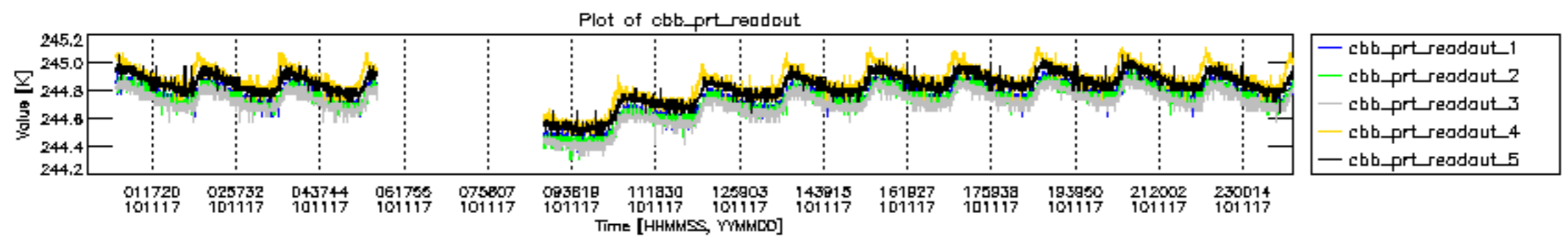


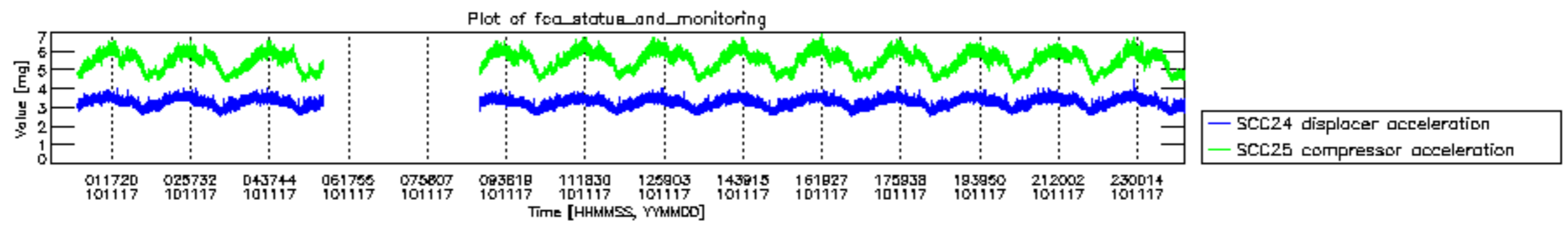












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

