

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	22DEC2010 05:23:38
Data source version	KSPT_L0/4504-N
Processing scope for products	17DEC2010 00:00:00 to 18DEC2010 00:00:00
Start time of first product within scope	17DEC2010 00:34:25
Stop time of last product within scope	18DEC2010 01:36:43
Total number of level 0 products	13
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__0PNPDE20101217_003425_000058263097_00289_45993_2514.N1	17DEC2010 00:34:25	17DEC2010 02:11:32	0	0	0	0	0
1	MIP_NL__0PNPDE20101217_021033_000045463097_00290_45994_2515.N1	17DEC2010 02:10:33	17DEC2010 03:26:19	0	0	0	0	0
2	MIP_NL__0PNPDE20101217_032546_000061813097_00291_45995_2516.N1	17DEC2010 03:25:46	17DEC2010 05:08:47	0	0	0	0	0
3	MIP_NL__0PNPDE20101217_050814_000022843097_00292_45996_2517.N1	17DEC2010 05:08:14	17DEC2010 05:46:18	0	0	0	0	0
4	MIP_NL__0PNPDK20101217_090706_000017613097_00294_45998_3704.N1	17DEC2010 09:07:06	17DEC2010 09:36:27	0	0	0	0	0
5	MIP_NL__0PNPDK20101217_093450_000059843097_00295_45999_3705.N1	17DEC2010 09:34:50	17DEC2010 11:14:34	0	0	0	0	0
6	MIP_NL__0PNPDK20101217_111258_000060673097_00296_46000_3706.N1	17DEC2010 11:12:58	17DEC2010 12:54:05	0	0	0	0	0
7	MIP_NL__0PNPDK20101217_125300_000059683097_00297_46001_3707.N1	17DEC2010 12:53:00	17DEC2010 14:32:28	0	0	0	0	0
8	MIP_NL__0PNPDK20101217_143143_000059603097_00298_46002_3708.N1	17DEC2010 14:31:43	17DEC2010 16:11:03	0	0	0	0	0
9	MIP_NL__0PNPDK20101217_161019_000058433097_00299_46003_3709.N1	17DEC2010 16:10:19	17DEC2010 17:47:42	0	0	0	0	0
10	MIP_NL__0PNPDE20101217_210339_000043873097_00302_46006_2518.N1	17DEC2010 21:03:39	17DEC2010 22:16:46	0	0	0	0	0
11	MIP_NL__0PNPDE20101217_221547_000062253097_00302_46006_2519.N1	17DEC2010 22:15:47	17DEC2010 23:59:33	0	0	0	0	0
12	MIP_NL__0PNPDE20101217_235828_000058953097_00303_46007_2520.N1	17DEC2010 23:58:28	18DEC2010 01:36:43	0	0	0	0	0

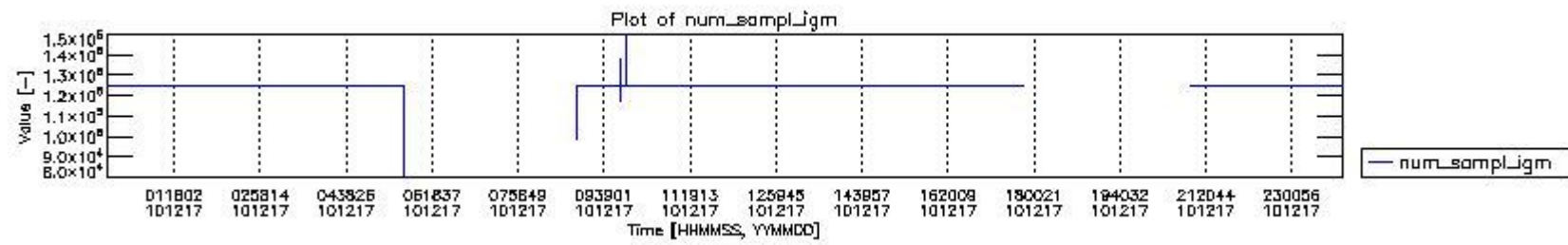
0.2 Instrument Operational Performance Parameters

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.

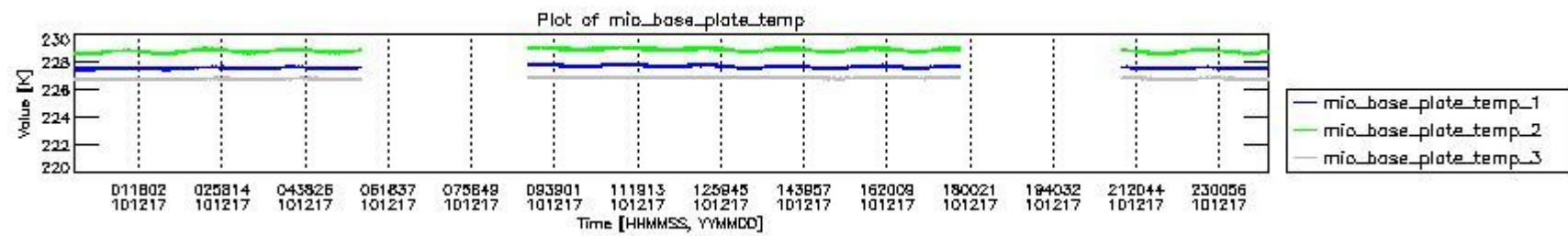
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80958	1	0.0033178500
92813	1	0.0033178500
98922	1	0.0033178500
112945	1	0.0033178500
117495	1	0.0033178500

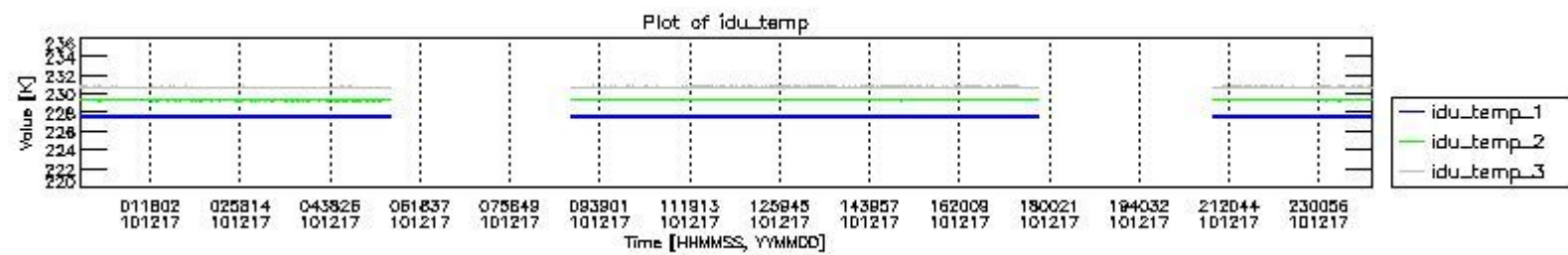
123548	1	0.0033178500
124174	1	0.0033178500
124800	27996	92.886530
124803	2132	7.0736563
127233	1	0.0033178500
130322	1	0.0033178500
137627	1	0.0033178500
147365	1	0.0033178500
149798	1	0.0033178500



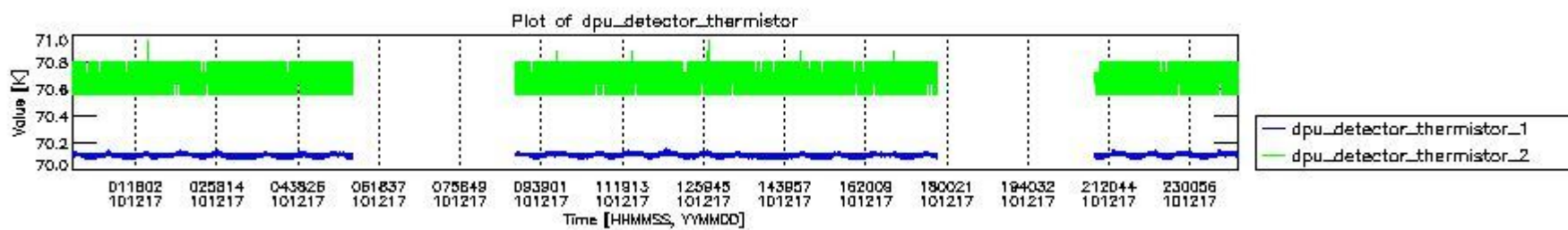
mipas_daily_report_level0_KSPT_L0_4504_N_20101217_0.PNG



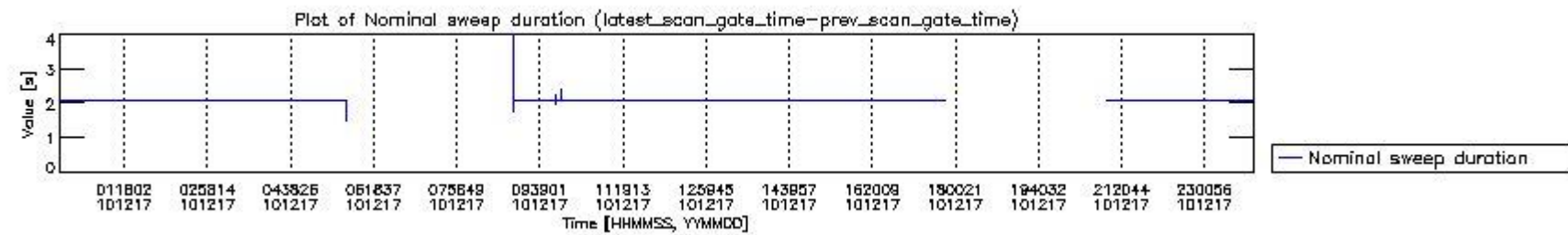
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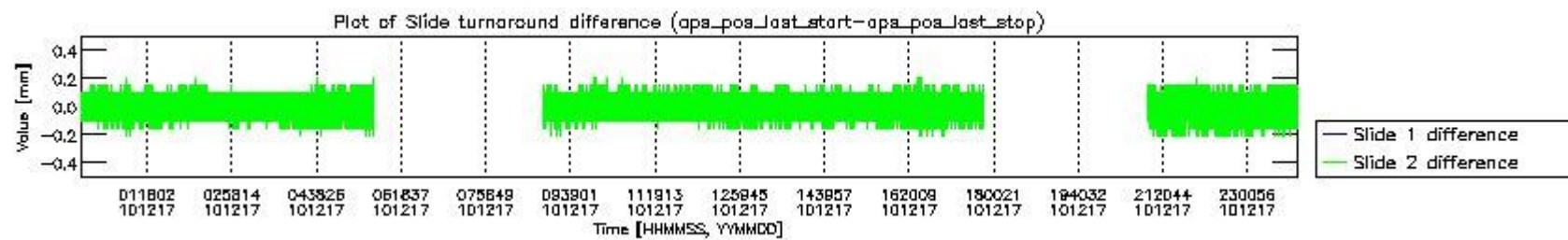
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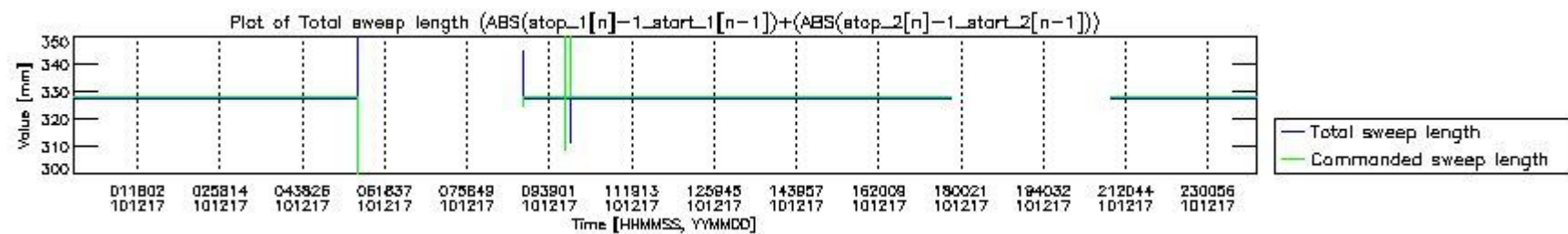
mipas_daily_report_level0_KSPT_L0_4504_N_20101217_3.PNG



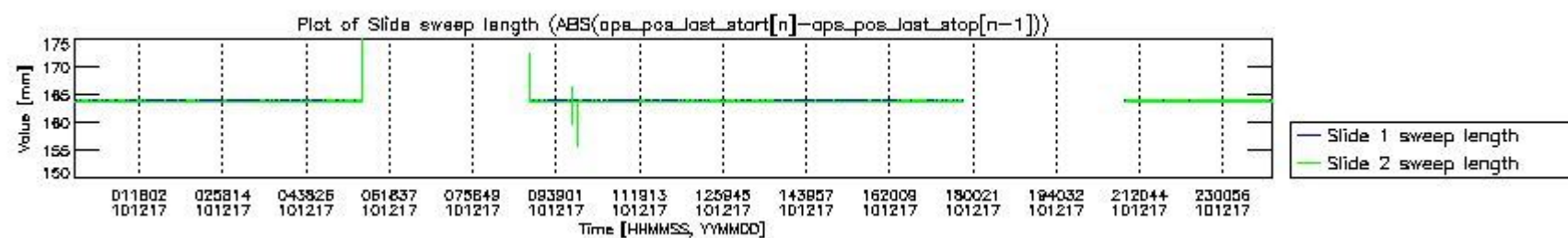
mipas_daily_report_level0_KSPT_L0_4504_N_20101217_4.PNG



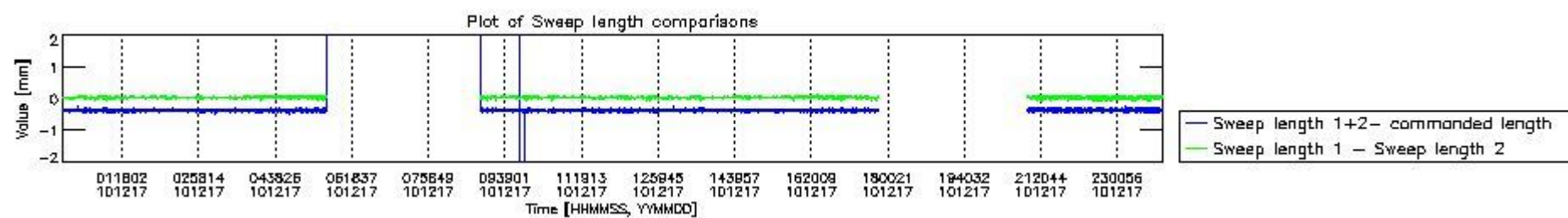
mipas_daily_report_level0_KSPT_L0_4504_N_20101217_5.PNG



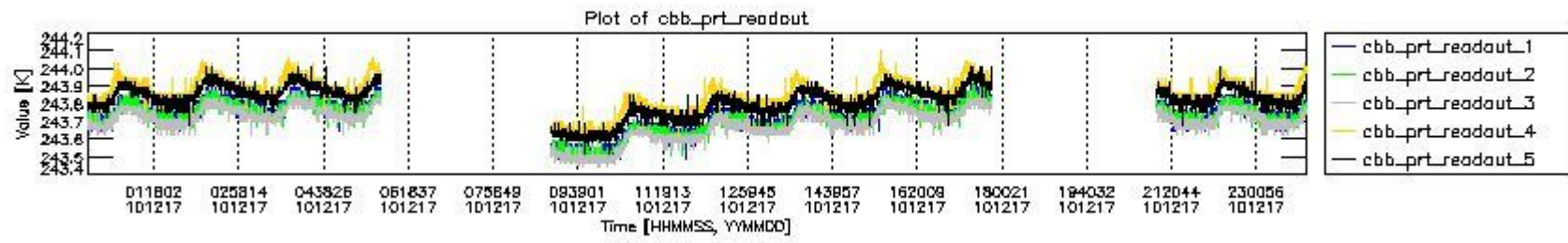
mipas_daily_report_level0_KSPT_L0_4504_N_20101217_6.PNG



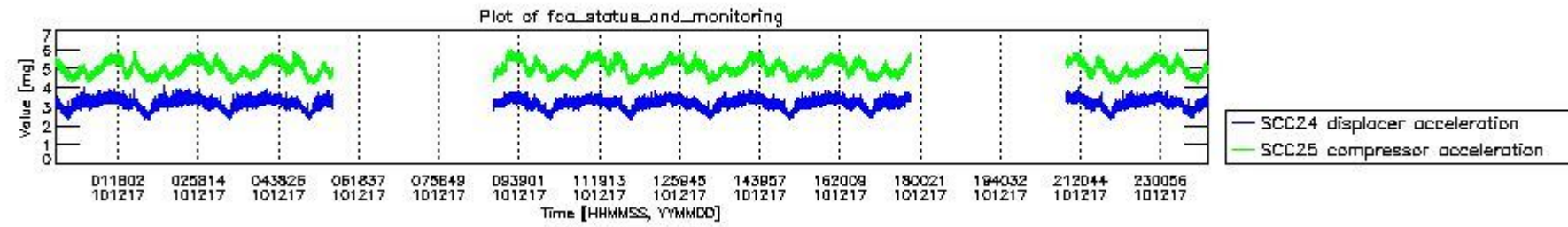
mipas_daily_report_level0_KSPT_L0_4504_N_20101217_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101217_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101217_9.PNG

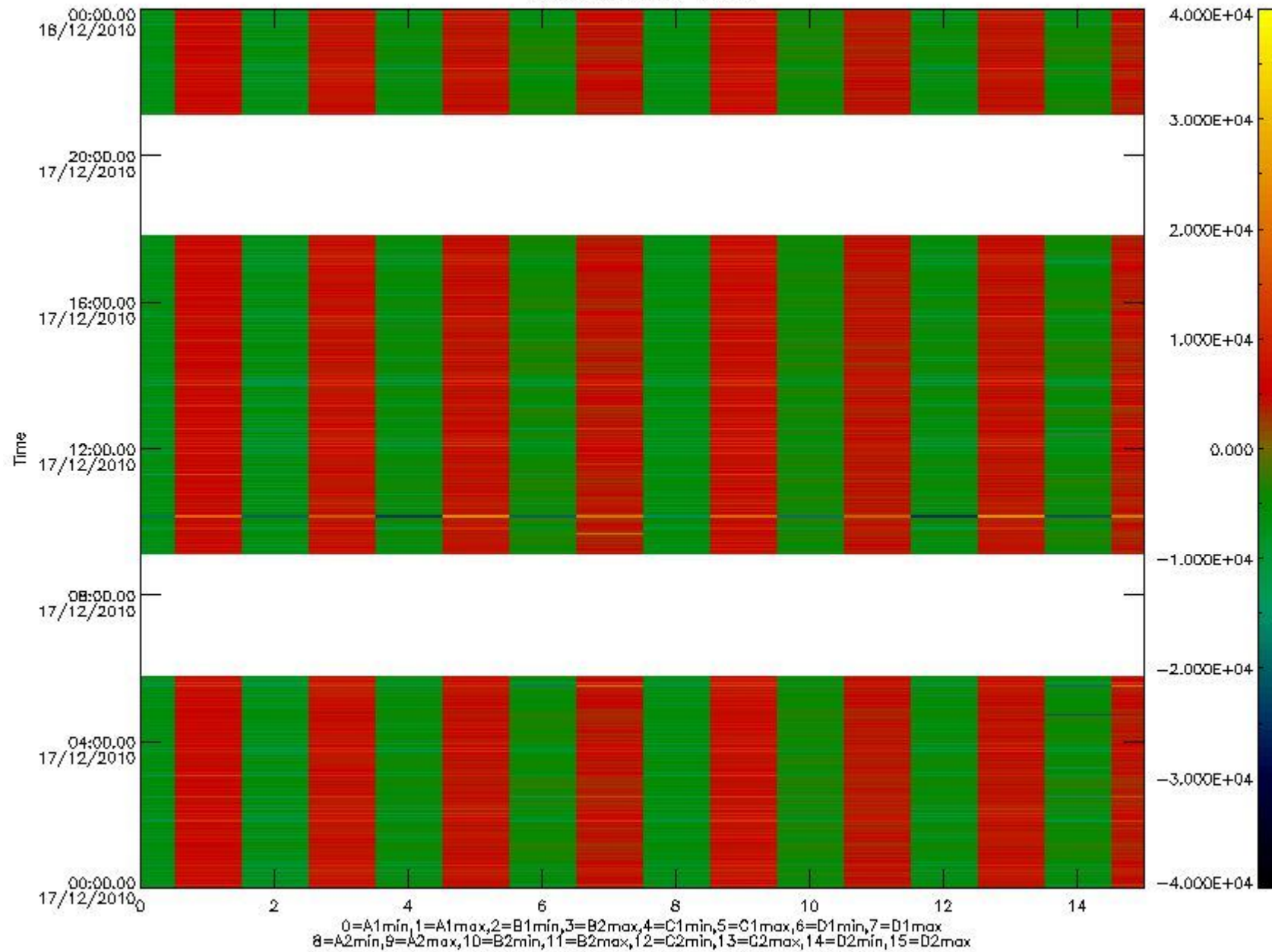


mipas_daily_report_level0_KSPT_L0_4504_N_20101217_10.PNG

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	-23962	23908	16bit
D1	-32768	32767	16bit
A2	-32768	28263	16bit
B2	-32768	32767	16bit
C2	-24963	24554	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_20101217_11.PNG

0.3 ADF monitoring

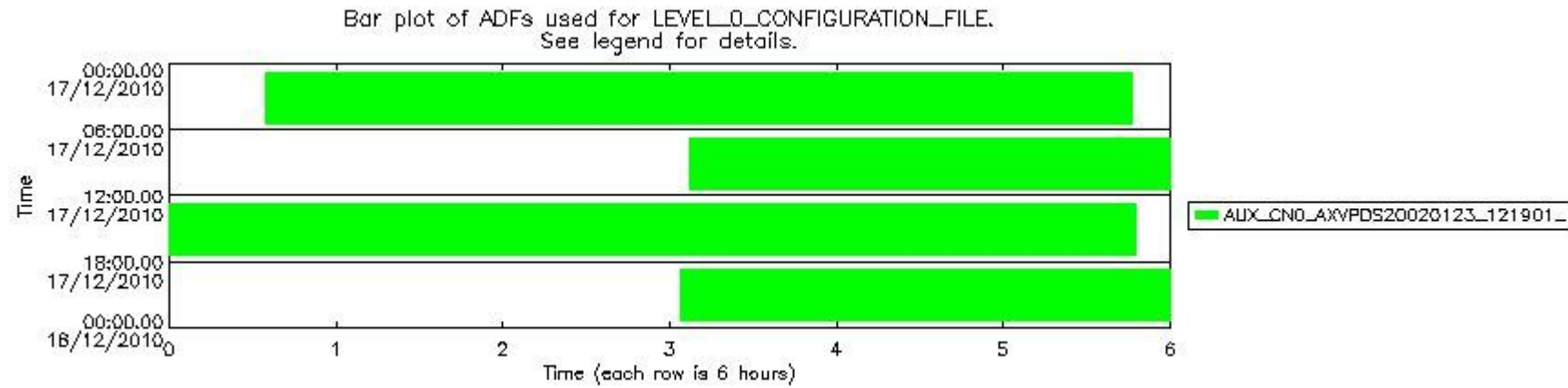
The use of ADFs is shown in two ways:

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.

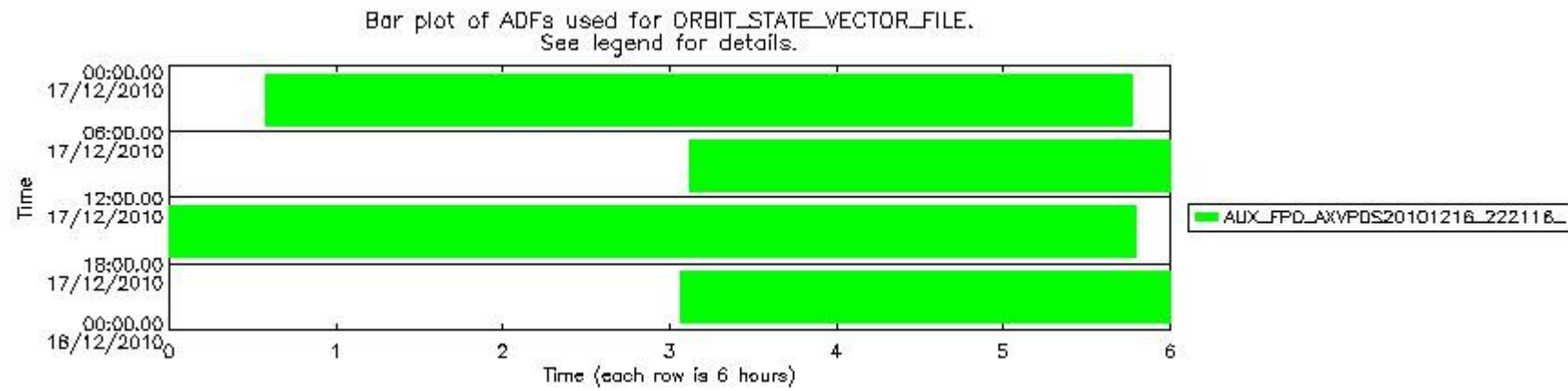
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101216_222116_20101216_112411_20101226_133805

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101217_003425_000058263097_00289_45993_2514.N1	0	1

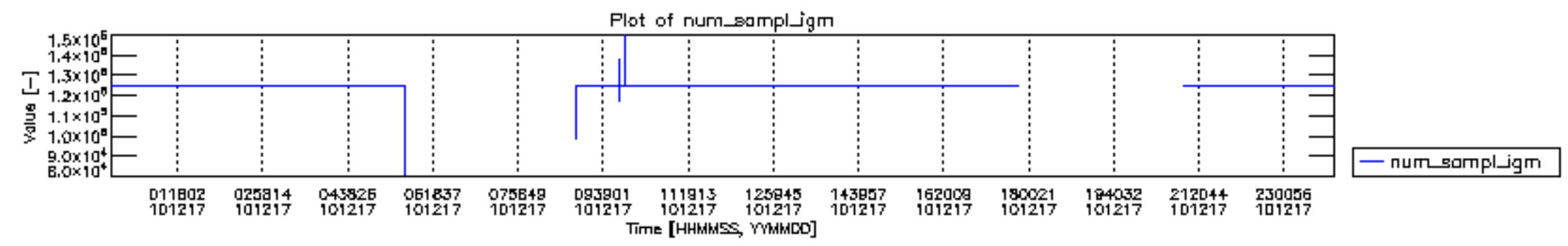
1	MIP_NL__0PNPDE20101217_021033_000045463097_00290_45994_2515.N1	0	1
2	MIP_NL__0PNPDE20101217_032546_000061813097_00291_45995_2516.N1	0	1
3	MIP_NL__0PNPDE20101217_050814_000022843097_00292_45996_2517.N1	0	1
4	MIP_NL__0PNPDK20101217_090706_000017613097_00294_45998_3704.N1	0	1
5	MIP_NL__0PNPDK20101217_093450_000059843097_00295_45999_3705.N1	0	1
6	MIP_NL__0PNPDK20101217_111258_000060673097_00296_46000_3706.N1	0	1
7	MIP_NL__0PNPDK20101217_125300_000059683097_00297_46001_3707.N1	0	1
8	MIP_NL__0PNPDK20101217_143143_000059603097_00298_46002_3708.N1	0	1
9	MIP_NL__0PNPDK20101217_161019_000058433097_00299_46003_3709.N1	0	1
10	MIP_NL__0PNPDE20101217_210339_000043873097_00302_46006_2518.N1	0	1
11	MIP_NL__0PNPDE20101217_221547_000062253097_00302_46006_2519.N1	0	1
12	MIP_NL__0PNPDE20101217_235828_000058953097_00303_46007_2520.N1	0	1

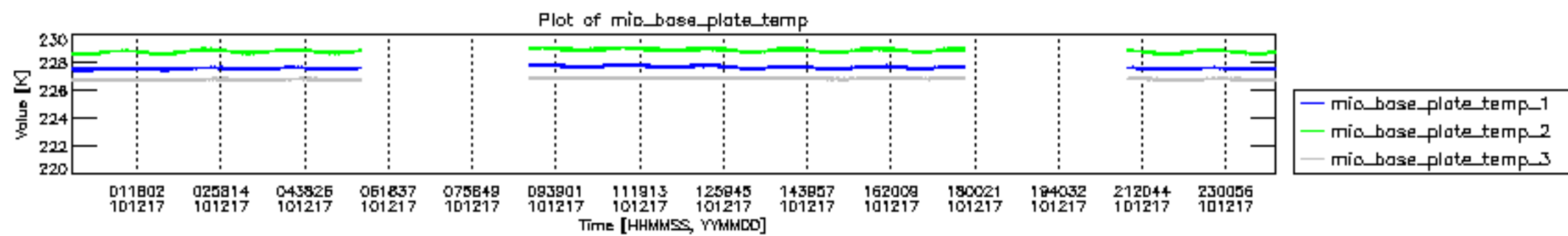


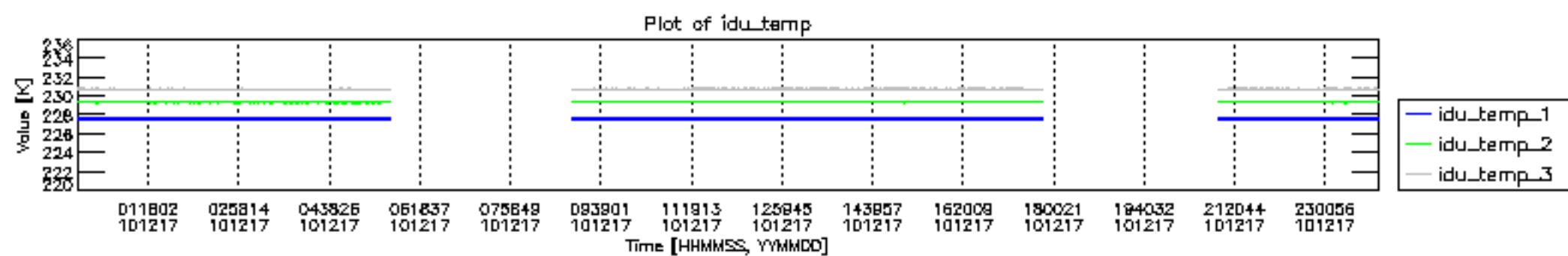
mipas_daily_report_level0_KSPT_L0_4504_N_20101217_12.PNG

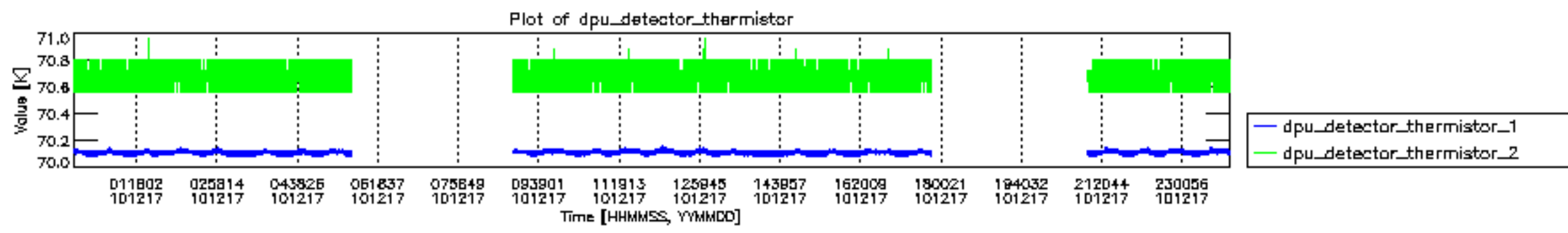


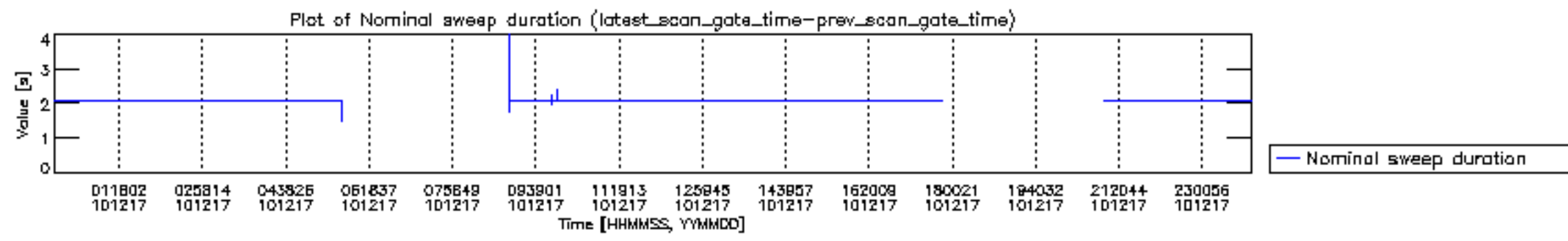
mipas_daily_report_level0_KSPT_L0_4504_N_20101217_13.PNG

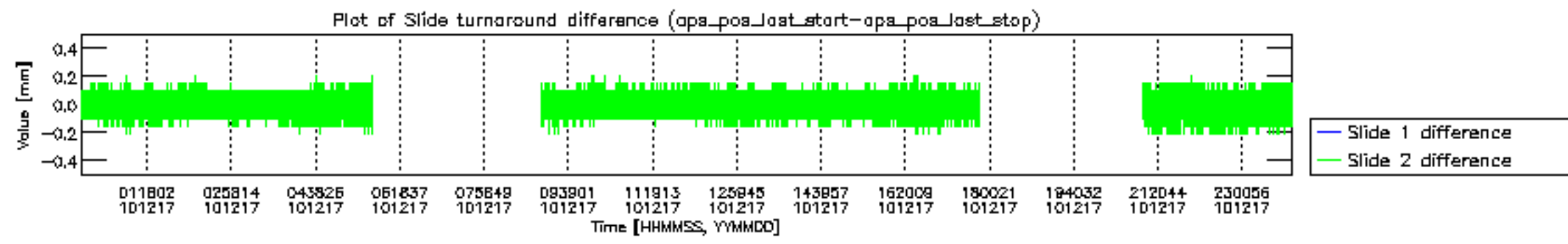


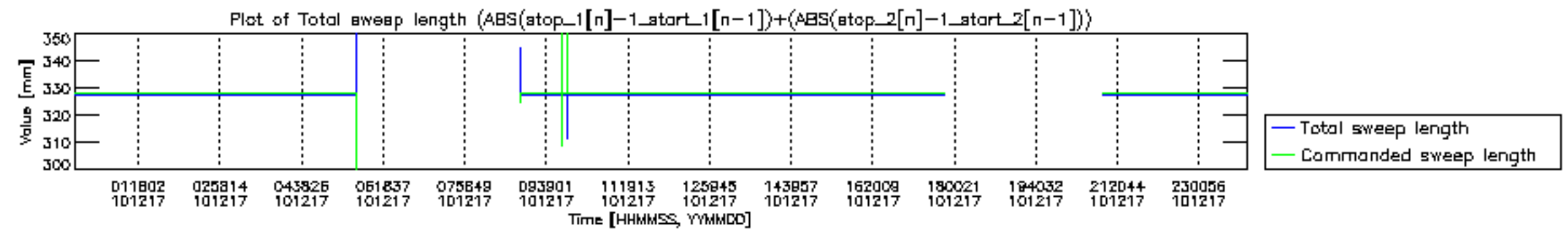


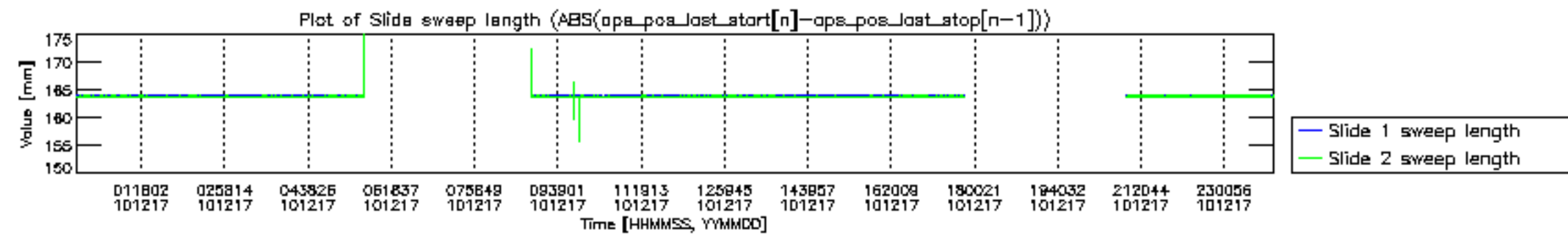


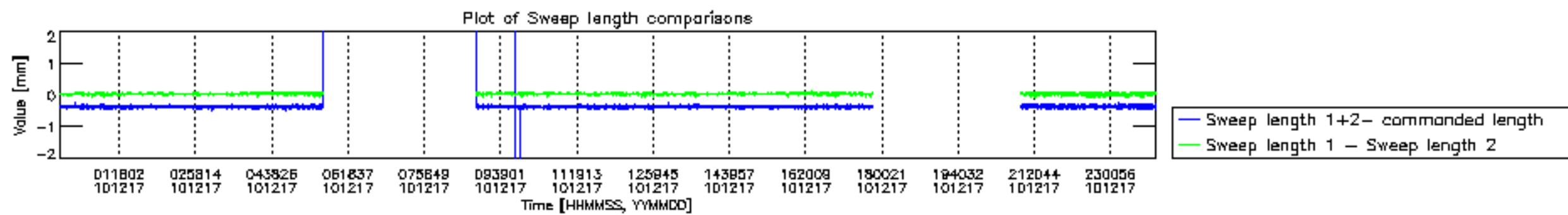


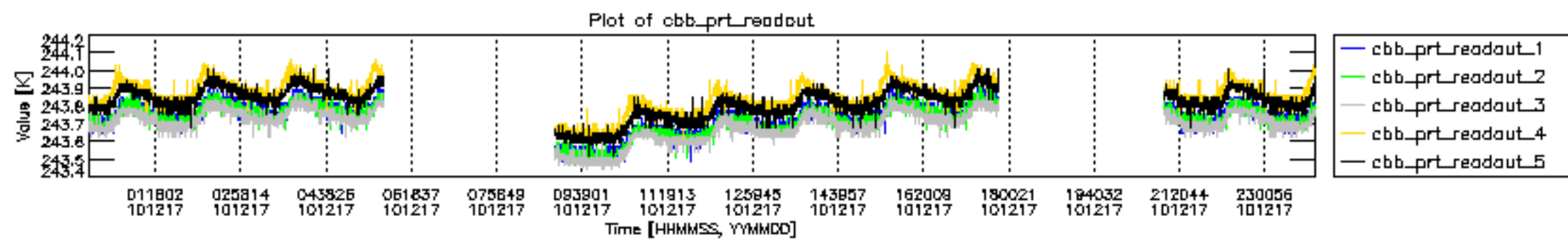


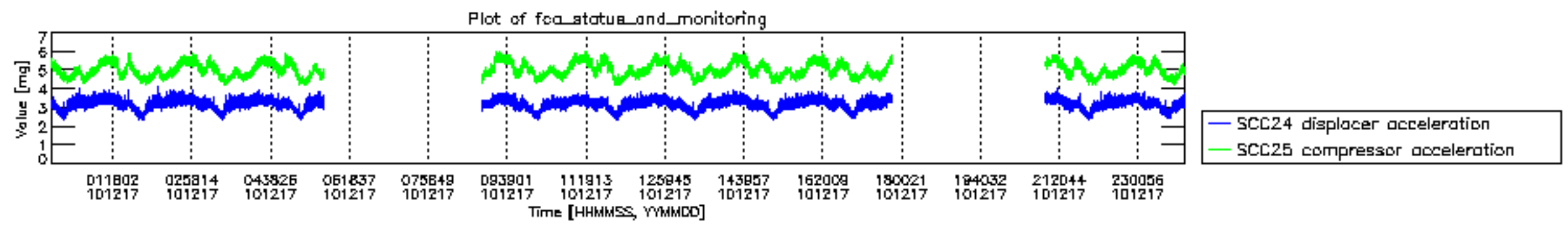












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

