

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	20NOV2010 05:27:28
Data source version	KSPT_L0/4504-N
Processing scope for products	15NOV2010 00:00:00 to 16NOV2010 00:00:00
Start time of first product within scope	15NOV2010 00:06:07
Stop time of last product within scope	16NOV2010 01:11:27
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__0PNPDE20101115_000607_000059293096_00260_45533_1861.N1	15NOV2010 00:06:07	15NOV2010 01:44:56	0	0	0	0	0
1	MIP_NL__0PNPDE20101115_014357_000044923096_00261_45534_1862.N1	15NOV2010 01:43:57	15NOV2010 02:58:49	0	0	0	0	0
2	MIP_NL__0PNPDE20101115_025813_000061383096_00262_45535_1863.N1	15NOV2010 02:58:13	15NOV2010 04:40:31	0	0	0	0	0
3	MIP_NL__0PNPDE20101115_043956_000060173096_00263_45536_1864.N1	15NOV2010 04:39:56	15NOV2010 06:20:12	0	0	0	0	0
4	MIP_NL__0PNPDK20101115_061937_000040403096_00264_45537_3280.N1	15NOV2010 06:19:37	15NOV2010 07:26:57	0	0	0	0	0
5	MIP_NL__0PNPDK20101115_072557_000062173096_00265_45538_3281.N1	15NOV2010 07:25:57	15NOV2010 09:09:34	0	0	0	0	0
6	MIP_NL__0PNPDK20101115_090831_000060373096_00266_45539_3282.N1	15NOV2010 09:08:31	15NOV2010 10:49:09	0	0	0	0	0
7	MIP_NL__0PNPDK20101115_104733_000060043096_00267_45540_3283.N1	15NOV2010 10:47:33	15NOV2010 12:27:37	0	0	0	0	0
8	MIP_NL__0PNPDK20101115_122636_000058773096_00268_45541_3284.N1	15NOV2010 12:26:36	15NOV2010 14:04:33	0	0	0	0	0
9	MIP_NL__0PNPDK20101115_140332_000059503096_00269_45542_3285.N1	15NOV2010 14:03:32	15NOV2010 15:42:42	0	0	0	0	0
10	MIP_NL__0PNPDK20101115_154208_000059043096_00270_45543_3286.N1	15NOV2010 15:42:08	15NOV2010 17:20:32	0	0	0	0	0
11	MIP_NL__0PNPDK20101115_171930_000059043096_00271_45544_3287.N1	15NOV2010 17:19:30	15NOV2010 18:57:53	0	0	0	0	0
12	MIP_NL__0PNPDK20101115_185607_000060333096_00272_45545_3288.N1	15NOV2010 18:56:07	15NOV2010 20:36:40	0	0	0	0	0
13	MIP_NL__0PNPDE20101115_203427_000045193096_00273_45546_1865.N1	15NOV2010 20:34:27	15NOV2010 21:49:45	0	0	0	0	0
14	MIP_NL__0PNPDE20101115_214801_000061963096_00273_45546_1866.N1	15NOV2010 21:48:01	15NOV2010 23:31:16	0	0	0	0	0
15	MIP_NL__0PNPDE20101115_233010_000060773096_00274_45547_1867.N1	15NOV2010 23:30:10	16NOV2010 01:11:27	0	0	0	0	0

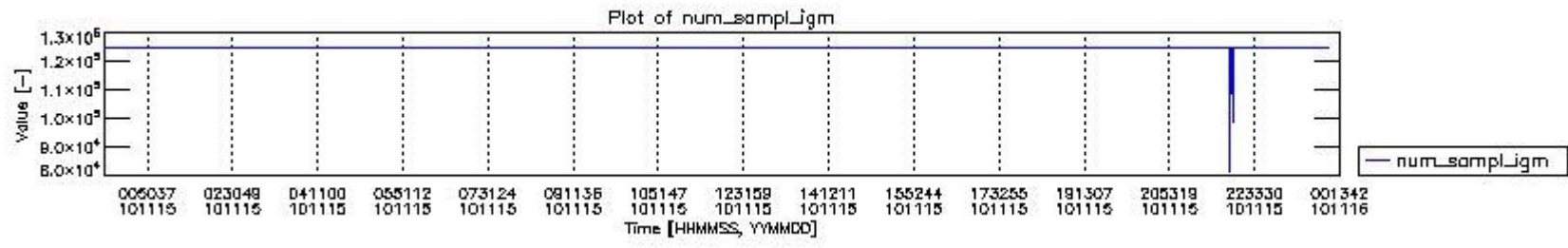
0.2 Instrument Operational Performance Parameters

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.

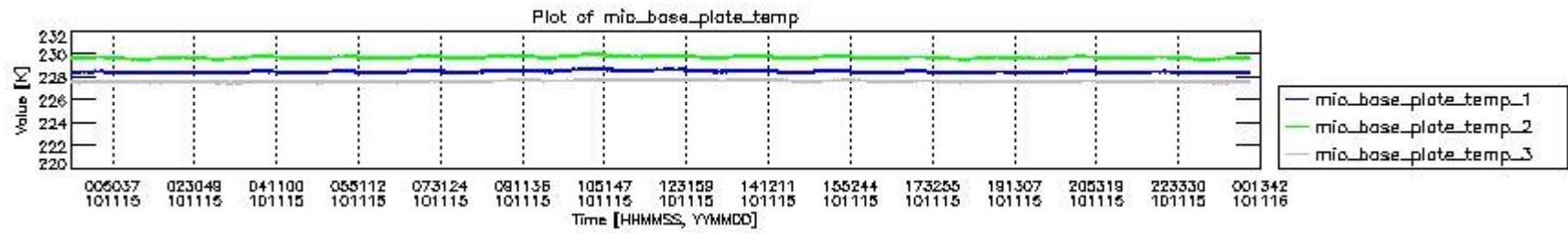
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
81108	1	0.0024057546
92888	1	0.0024057546

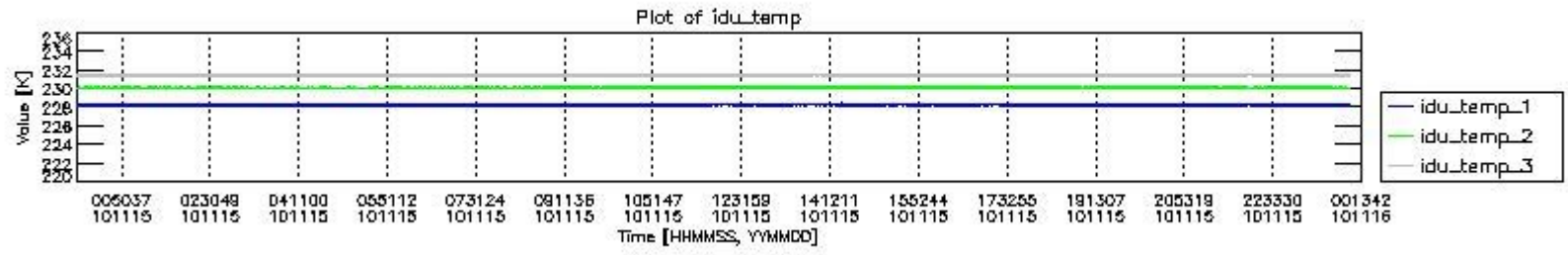
98773	1	0.0024057546
113020	1	0.0024057546
123250	1	0.0024057546
124025	1	0.0024057546
124800	39132	94.141988
124803	2429	5.8435778



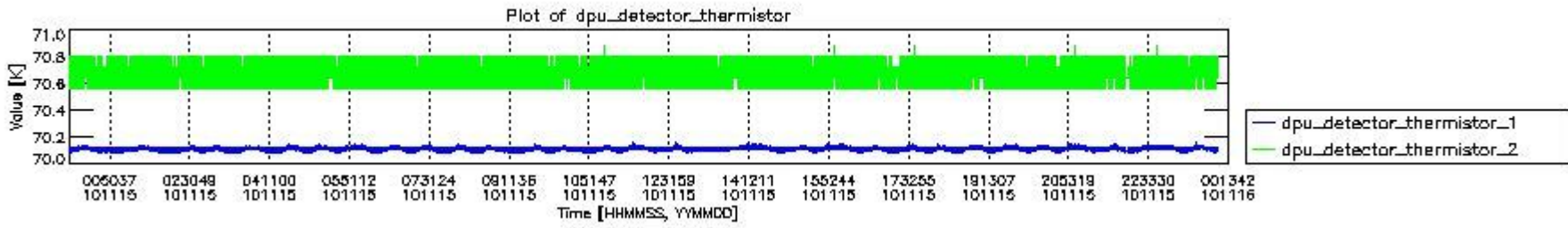
mipas_daily_report_level0_KSPT_L0_4504_N_20101115_0.PNG



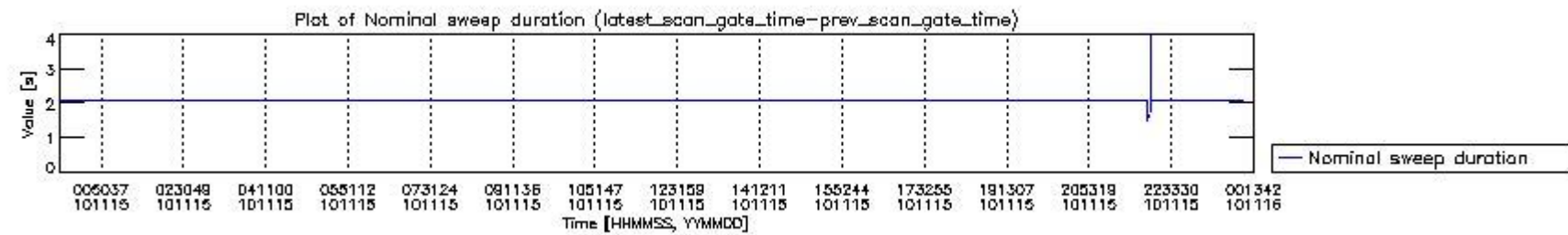
mipas_daily_report_level0_KSPT_L0_4504_N_20101115_1.PNG



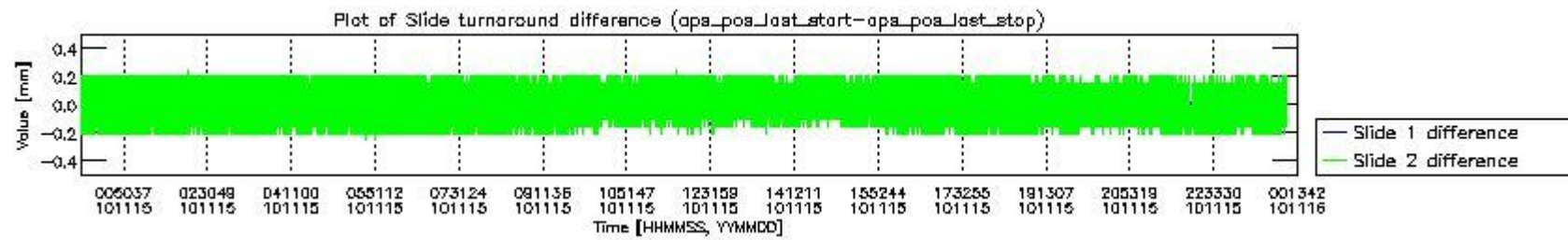
mipas_daily_report_level0_KSPT_L0_4504_N_20101115_2.PNG



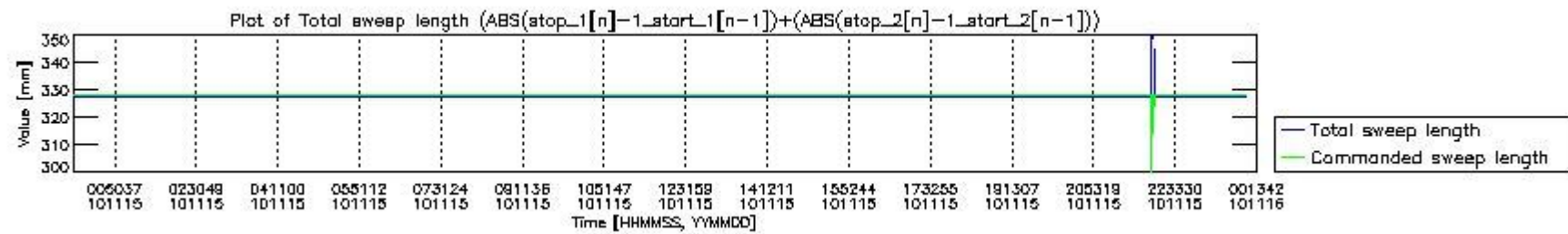
mipas_daily_report_level0_KSPT_L0_4504_N_20101115_3.PNG



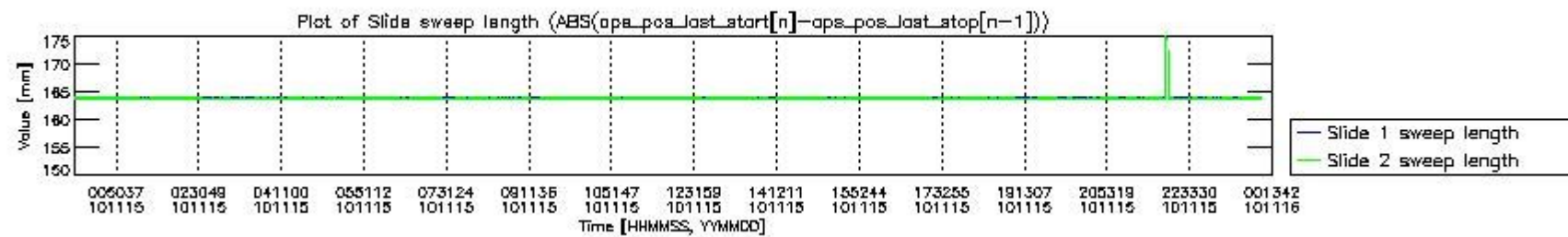
mipas_daily_report_level0_KSPT_L0_4504_N_20101115_4.PNG



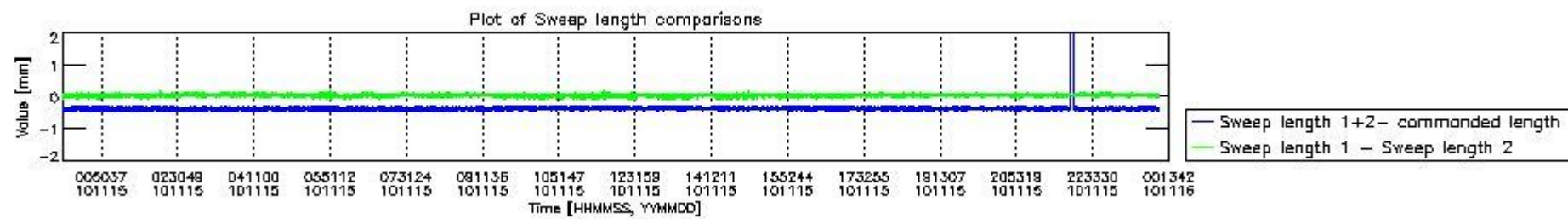
mipas_daily_report_level0_KSPT_L0_4504_N_20101115_5.PNG



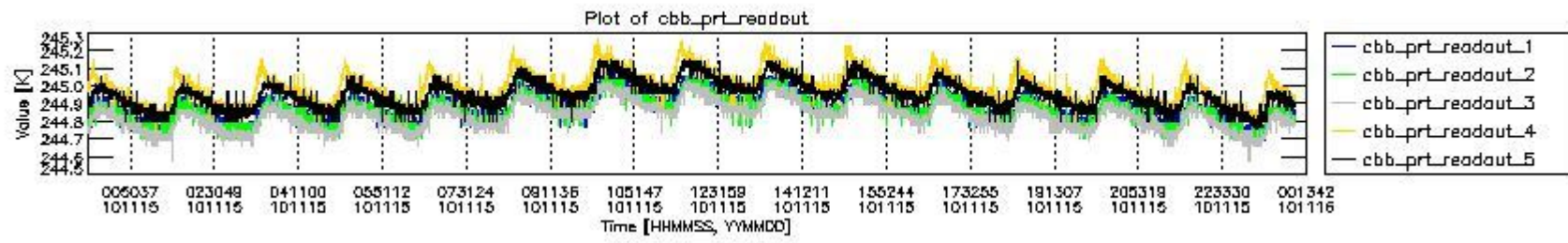
mipas_daily_report_level0_KSPT_L0_4504_N_20101115_6.PNG



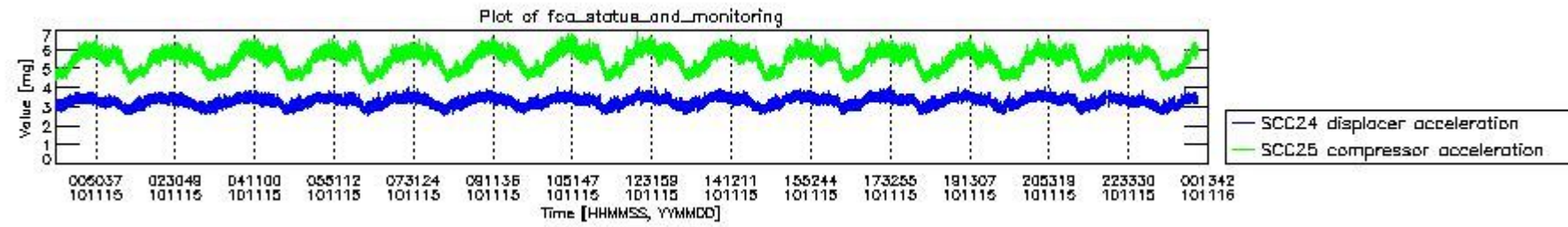
mipas_daily_report_level0_KSPT_L0_4504_N_20101115_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101115_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101115_9.PNG

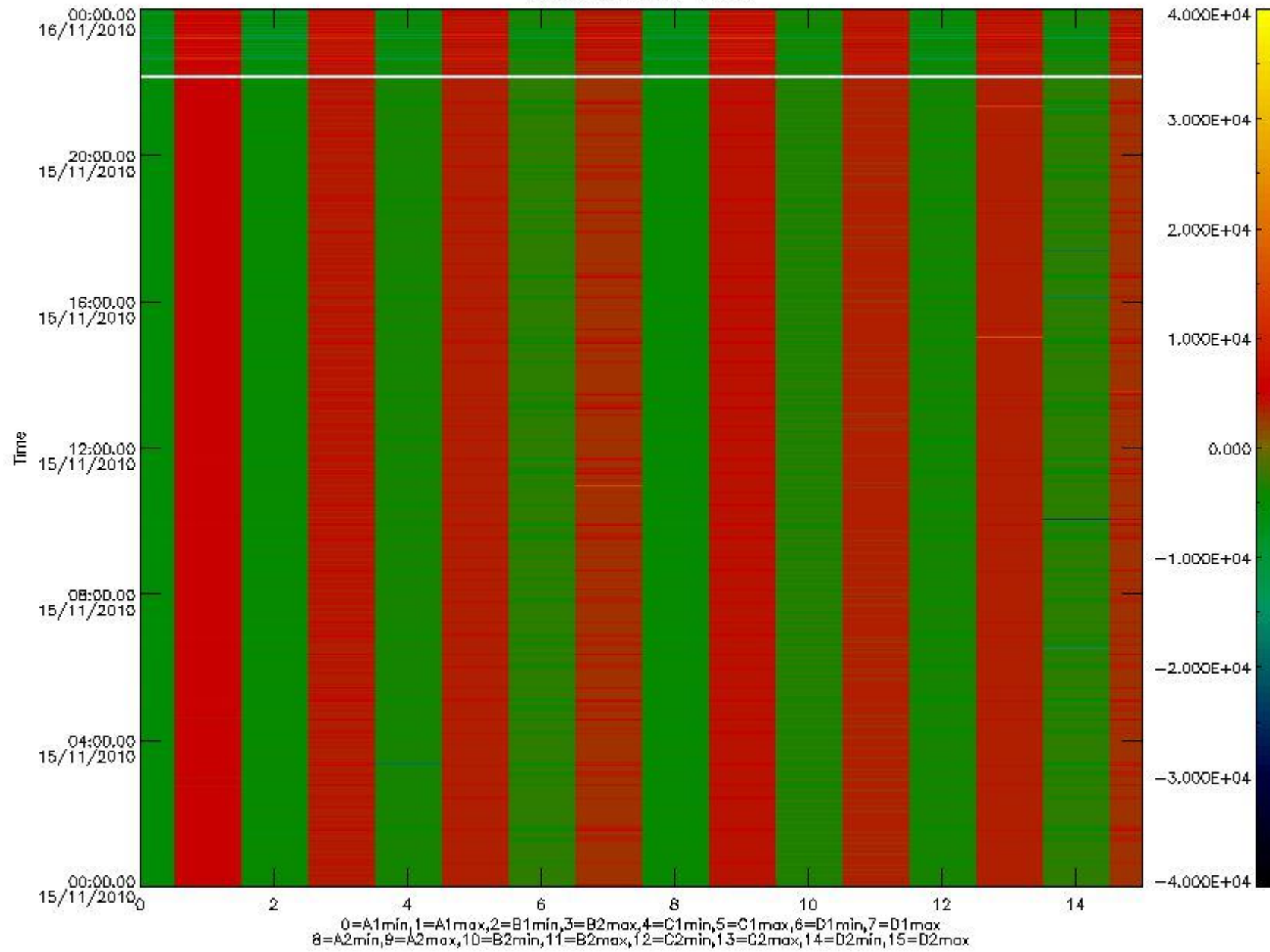


mipas_daily_report_level0_KSPT_L0_4504_N_20101115_10.PNG

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

Channel	Min	Max	ADC
A1	-17443	18435	16bit
B1	-18510	15704	16bit
C1	-24634	21264	16bit
D1	-17776	32767	16bit
A2	-14673	18033	16bit
B2	-16410	16032	16bit
C2	-21889	24606	16bit
D2	-32768	23266	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101115_11.PNG

0.3 ADF monitoring

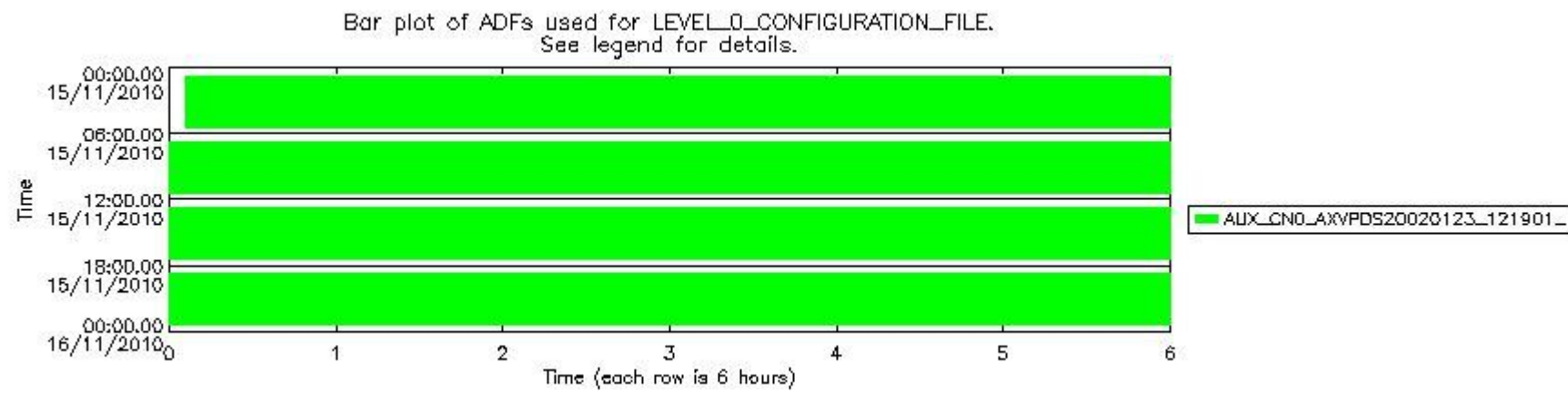
The use of ADFs is shown in two ways:

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.

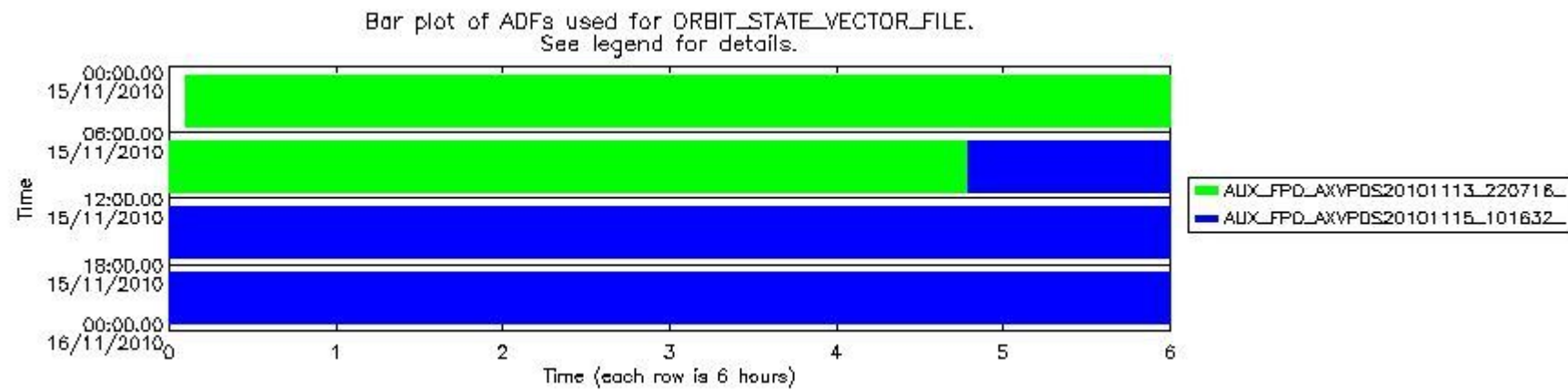
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101113_220716_20101113_195431_20101123_202811
2	AUX_FPO_AXVPDS20101115_101632_20101114_191747_20101124_213142

Number	Product name	#CN0	#FPO
--------	--------------	------	------

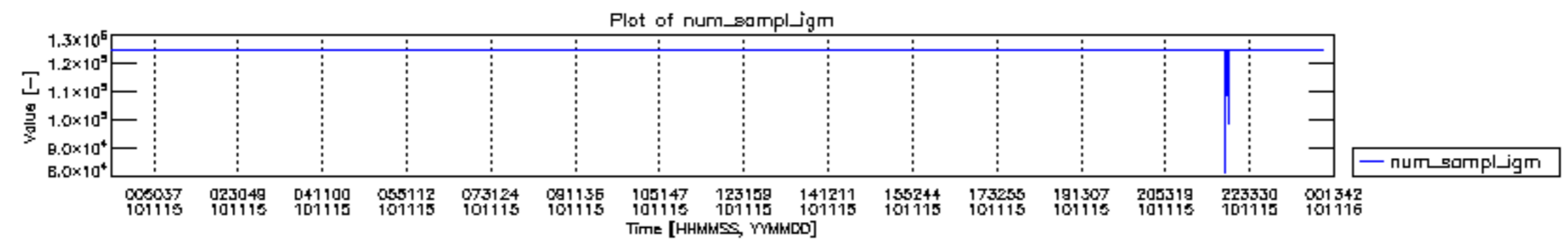
0	MIP_NL__0PNPDE20101115_000607_000059293096_00260_45533_1861.N1	0	1
1	MIP_NL__0PNPDE20101115_014357_000044923096_00261_45534_1862.N1	0	1
2	MIP_NL__0PNPDE20101115_025813_000061383096_00262_45535_1863.N1	0	1
3	MIP_NL__0PNPDE20101115_043956_000060173096_00263_45536_1864.N1	0	1
4	MIP_NL__0PNPDK20101115_061937_000040403096_00264_45537_3280.N1	0	1
5	MIP_NL__0PNPDK20101115_072557_000062173096_00265_45538_3281.N1	0	1
6	MIP_NL__0PNPDK20101115_090831_000060373096_00266_45539_3282.N1	0	1
7	MIP_NL__0PNPDK20101115_104733_000060043096_00267_45540_3283.N1	0	2
8	MIP_NL__0PNPDK20101115_122636_000058773096_00268_45541_3284.N1	0	2
9	MIP_NL__0PNPDK20101115_140332_00005903096_00269_45542_3285.N1	0	2
10	MIP_NL__0PNPDK20101115_154208_000059043096_00270_45543_3286.N1	0	2
11	MIP_NL__0PNPDK20101115_171930_000059043096_00271_45544_3287.N1	0	2
12	MIP_NL__0PNPDK20101115_185607_000060333096_00272_45545_3288.N1	0	2
13	MIP_NL__0PNPDE20101115_203427_000045193096_00273_45546_1865.N1	0	2
14	MIP_NL__0PNPDE20101115_214801_000061963096_00273_45546_1866.N1	0	2
15	MIP_NL__0PNPDE20101115_233010_000060773096_00274_45547_1867.N1	0	2

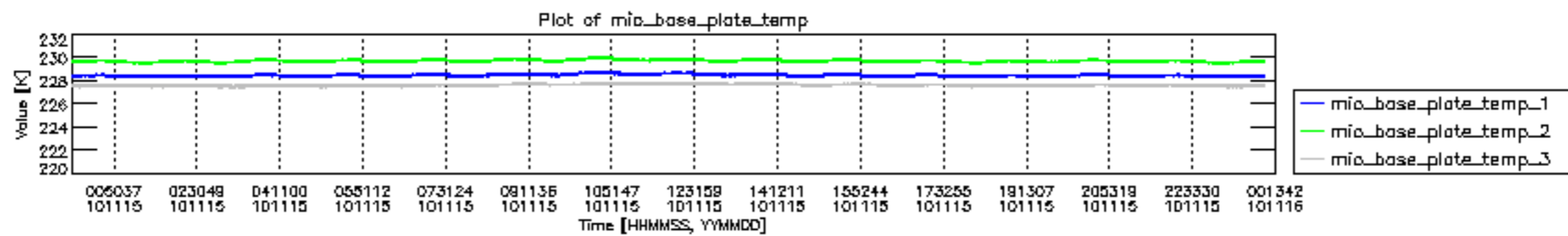


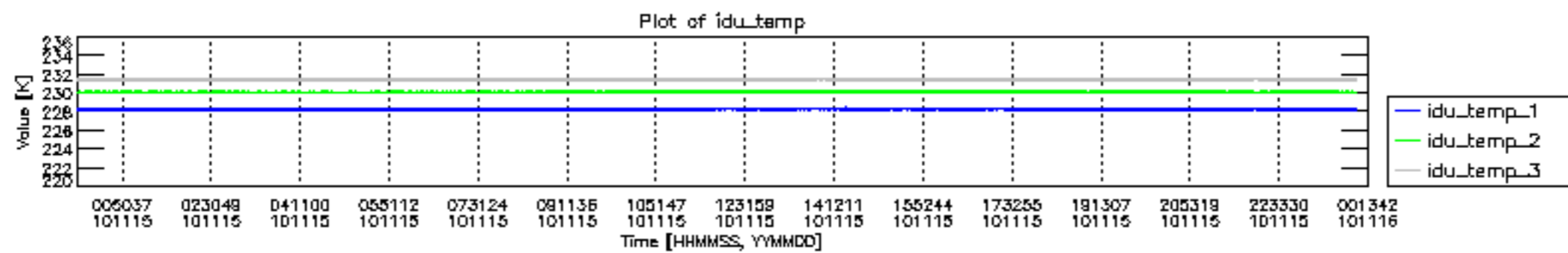
mipas_daily_report_level0_KSPT_L0_4504_N_20101115_12.PNG

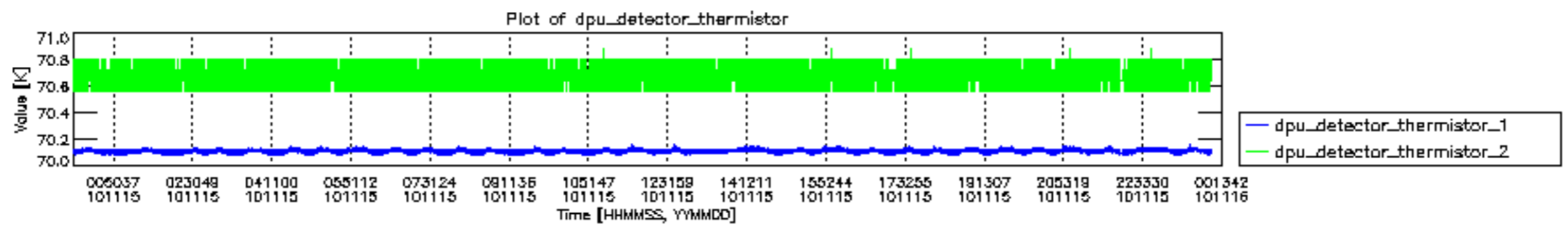


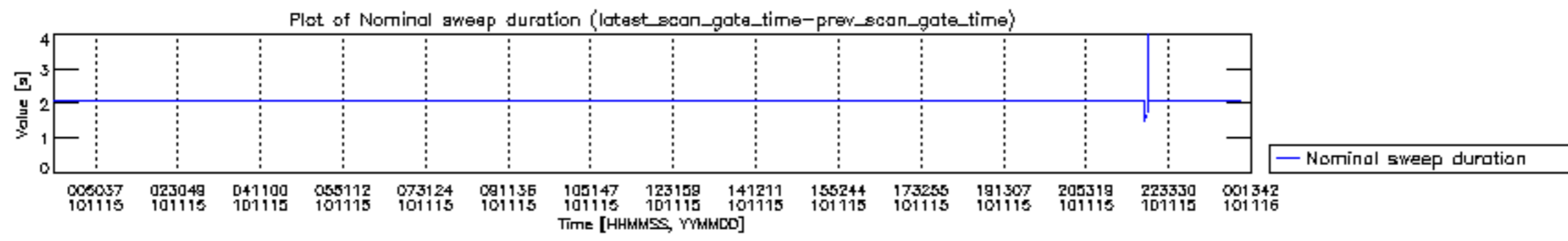
mipas_daily_report_level0_KSPT_L0_4504_N_20101115_13.PNG

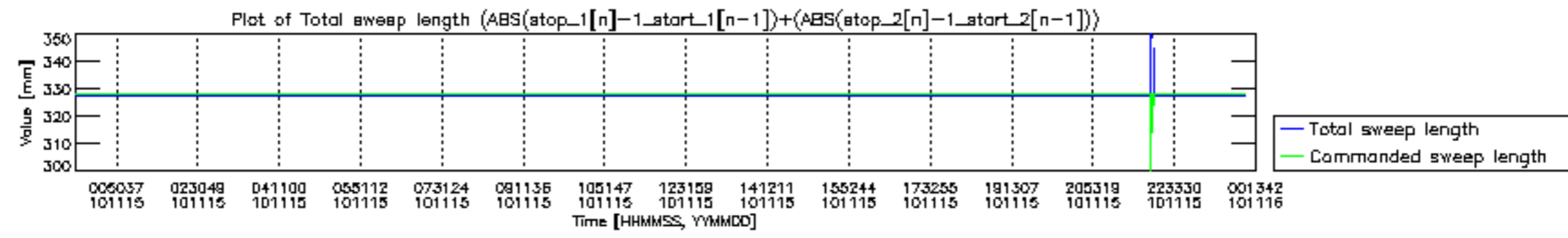


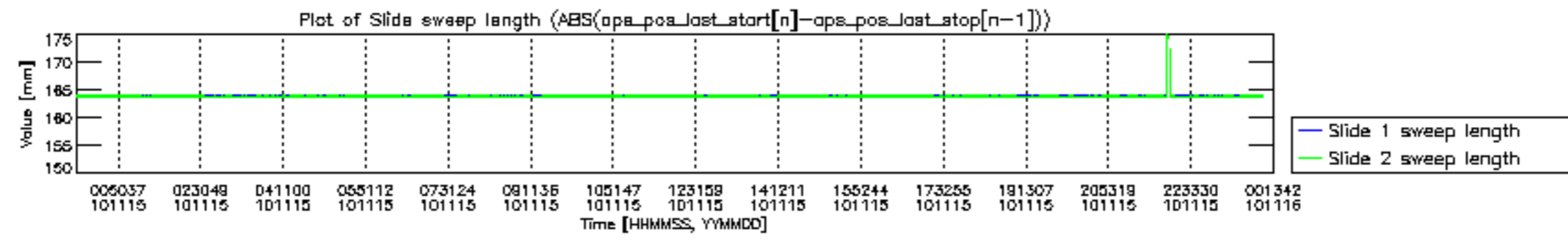


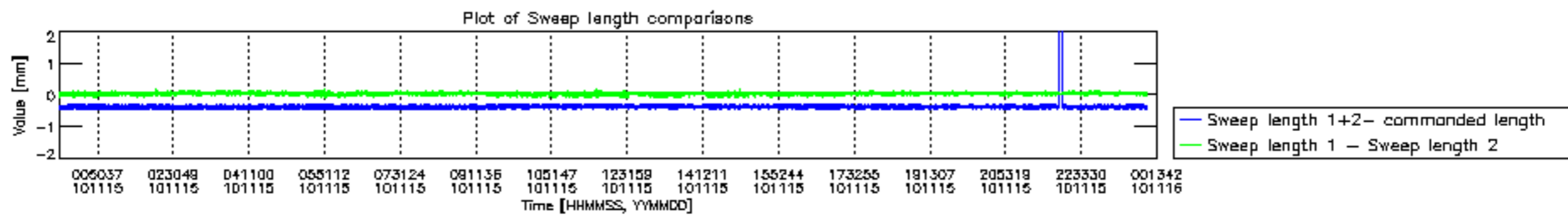


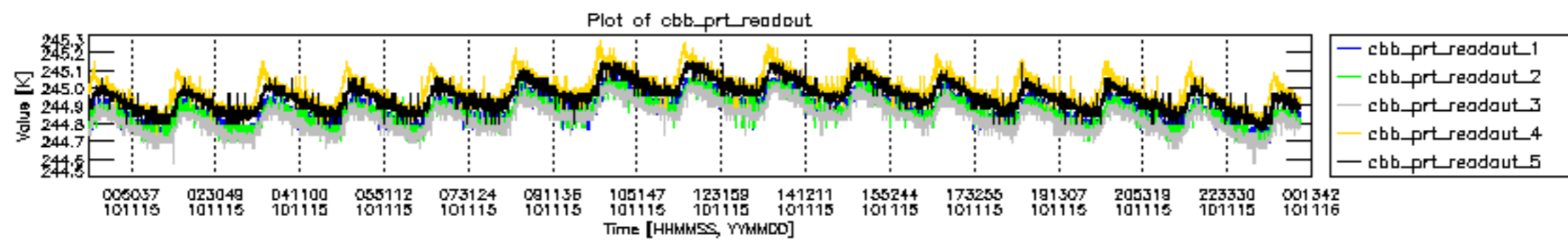


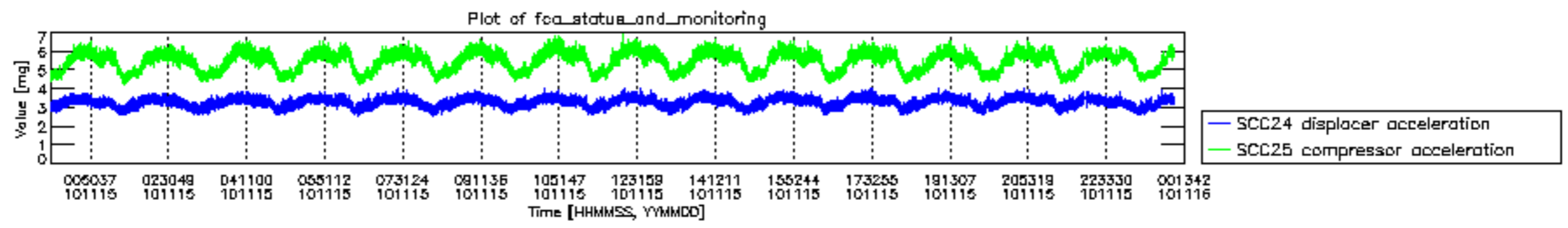












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



