

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	03SEP2011 05:25:23
Data source version	KSPT_L0/4504-N
Processing scope for products	29AUG2011 00:00:00 to 30AUG2011 00:00:00
Start time of first product within scope	29AUG2011 01:28:51
Stop time of last product within scope	30AUG2011 00:53:03
Total number of level 0 products	13
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.

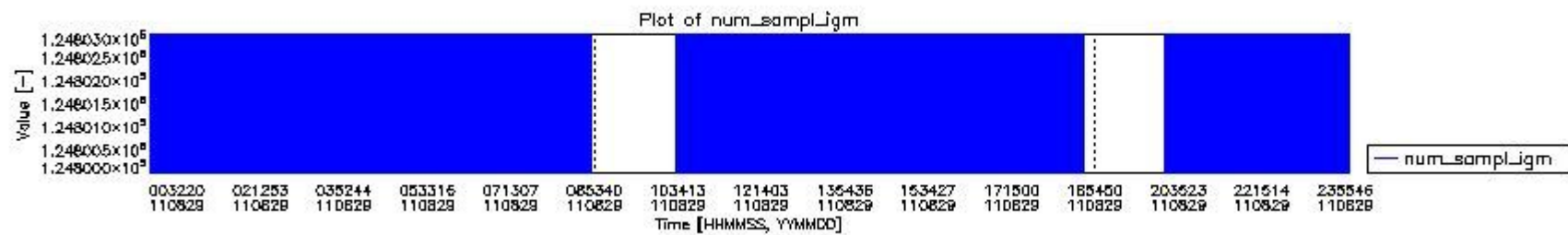
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110829_012851_000102933106_00074_49657_9539.N1	29AUG2011 01:28:51	29AUG2011 04:20:24	0	0	0	0	0
1	MIP_NL__0PNPDE20110829_021159_000077043106_00075_49658_4373.N1	29AUG2011 02:11:59	29AUG2011 04:20:24	0	0	0	0	0
2	MIP_NL__0PNPDE20110829_041950_000061603106_00076_49659_9540.N1	29AUG2011 04:19:50	29AUG2011 06:02:31	0	0	0	0	0
3	MIP_NL__0PNPDK20110829_060159_000041473106_00077_49660_6173.N1	29AUG2011 06:01:59	29AUG2011 07:11:06	0	0	0	0	0
4	MIP_NL__0PNPDK20110829_071035_000060503106_00078_49661_6174.N1	29AUG2011 07:10:35	29AUG2011 08:51:25	0	0	0	0	0
5	MIP_NL__0PNPDK20110829_103018_000059933106_00080_49663_6176.N1	29AUG2011 10:30:18	29AUG2011 12:10:11	0	0	0	0	0
6	MIP_NL__0PNPDK20110829_120938_000059103106_00081_49664_6177.N1	29AUG2011 12:09:38	29AUG2011 13:48:07	1	1	0	0	0
7	MIP_NL__0PNPDK20110829_134736_000058143106_00082_49665_6178.N1	29AUG2011 13:47:36	29AUG2011 15:24:30	0	0	0	0	0
8	MIP_NL__0PNPDK20110829_152253_000060453106_00083_49666_6179.N1	29AUG2011 15:22:53	29AUG2011 17:03:39	0	0	0	0	0
9	MIP_NL__0PNPDK20110829_170240_000058603106_00084_49667_6180.N1	29AUG2011 17:02:40	29AUG2011 18:40:20	0	0	0	0	0
10	MIP_NL__0PNPDE20110829_201814_000043913106_00086_49669_9541.N1	29AUG2011 20:18:14	29AUG2011 21:31:25	0	0	0	0	0
11	MIP_NL__0PNPDE20110829_213029_000061903106_00086_49669_9542.N1	29AUG2011 21:30:29	29AUG2011 23:13:39	0	0	0	0	0
12	MIP_NL__0PNPDE20110829_231234_000060293106_00087_49670_9543.N1	29AUG2011 23:12:34	30AUG2011 00:53:03	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

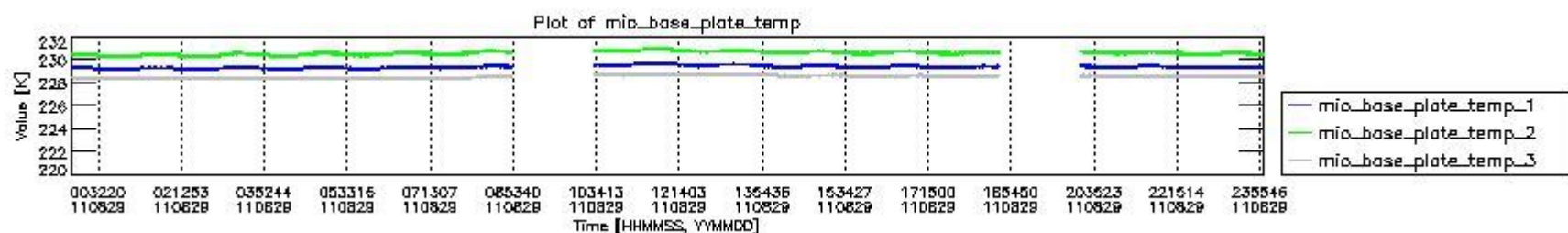
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

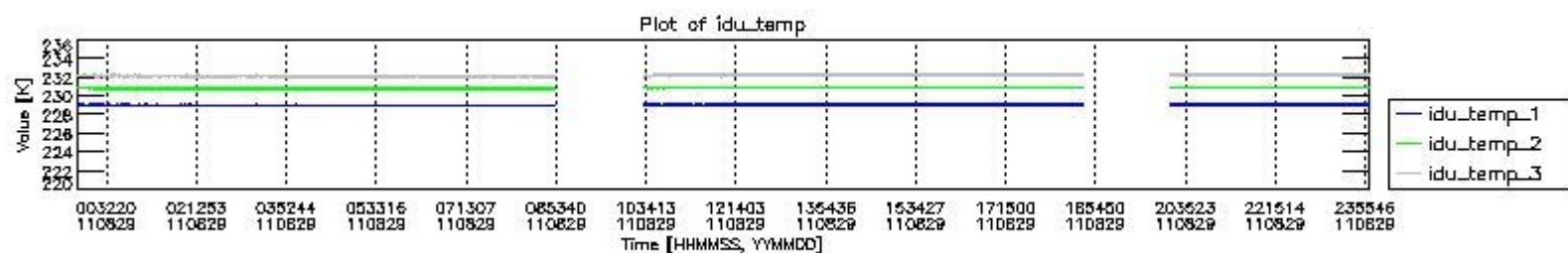
Number of igm samples	Count [#]	Count [%]
124800	33279	92.836221
124803	2568	7.1637794



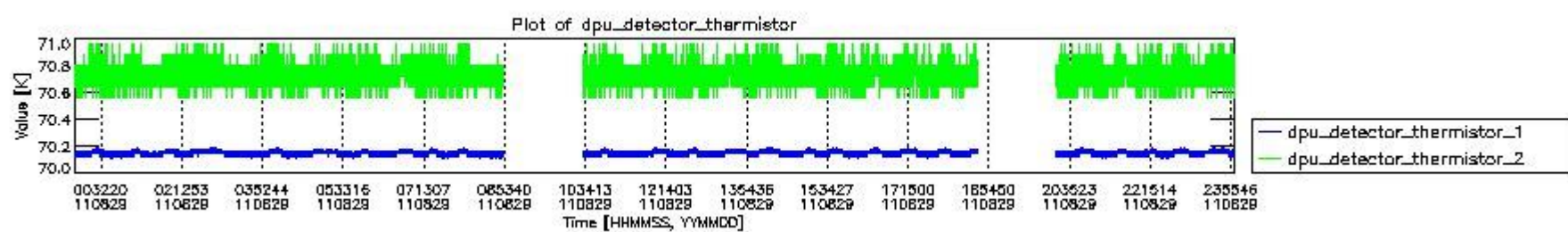
mipas_daily_report_level0_KSPT_L0_4504_N_20110829_0.PNG



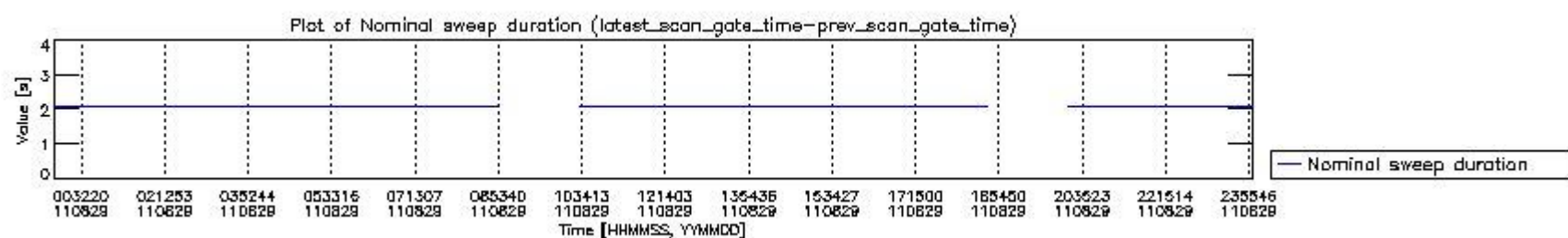
mipas_daily_report_level0_KSPT_L0_4504_N_20110829_1.PNG



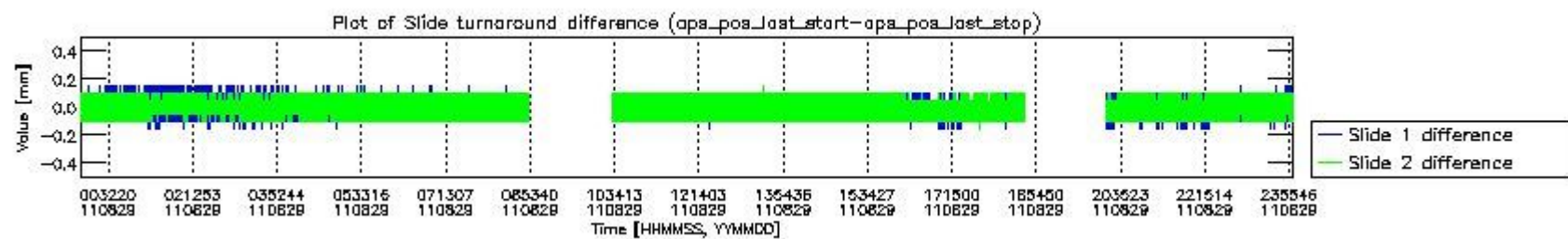
mipas_daily_report_level0_KSPT_L0_4504_N_20110829_2.PNG



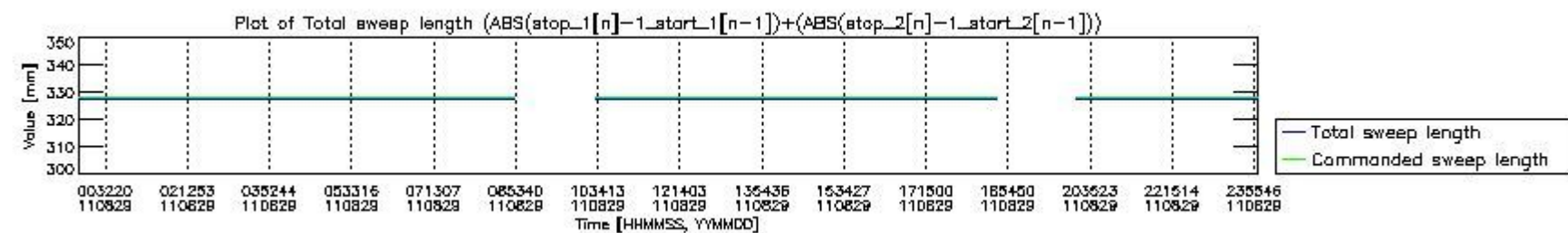
mipas_daily_report_level0_KSPT_L0_4504_N_20110829_3.PNG



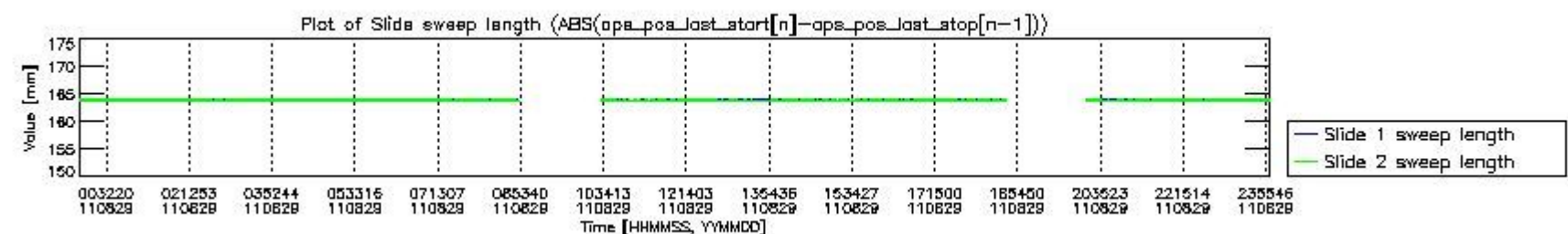
mipas_daily_report_level0_KSPT_L0_4504_N_20110829_4.PNG



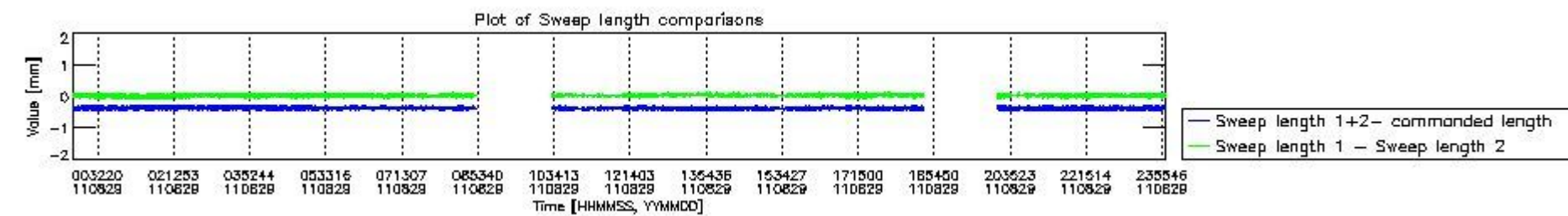
mipas_daily_report_level0_KSPT_L0_4504_N_20110829_5.PNG



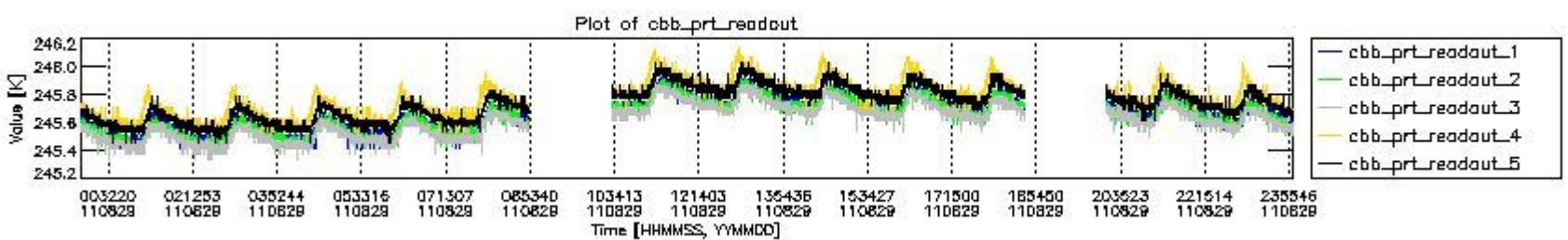
mipas_daily_report_level0_KSPT_L0_4504_N_20110829_6.PNG



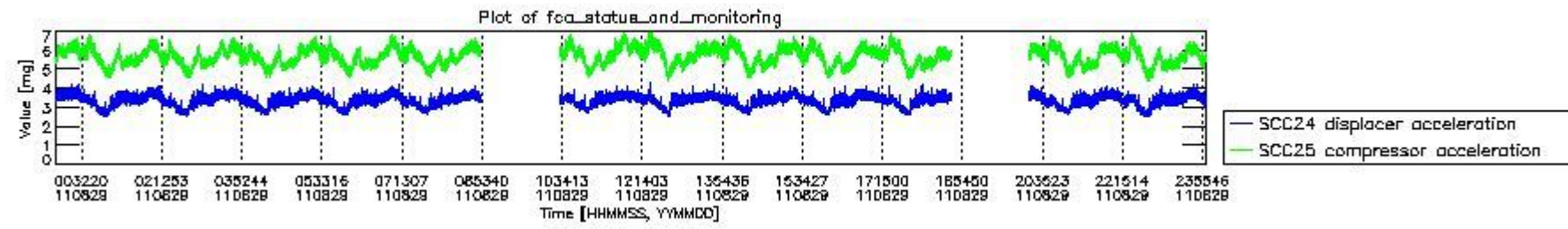
mipas_daily_report_level0_KSPT_L0_4504_N_20110829_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110829_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110829_9.PNG

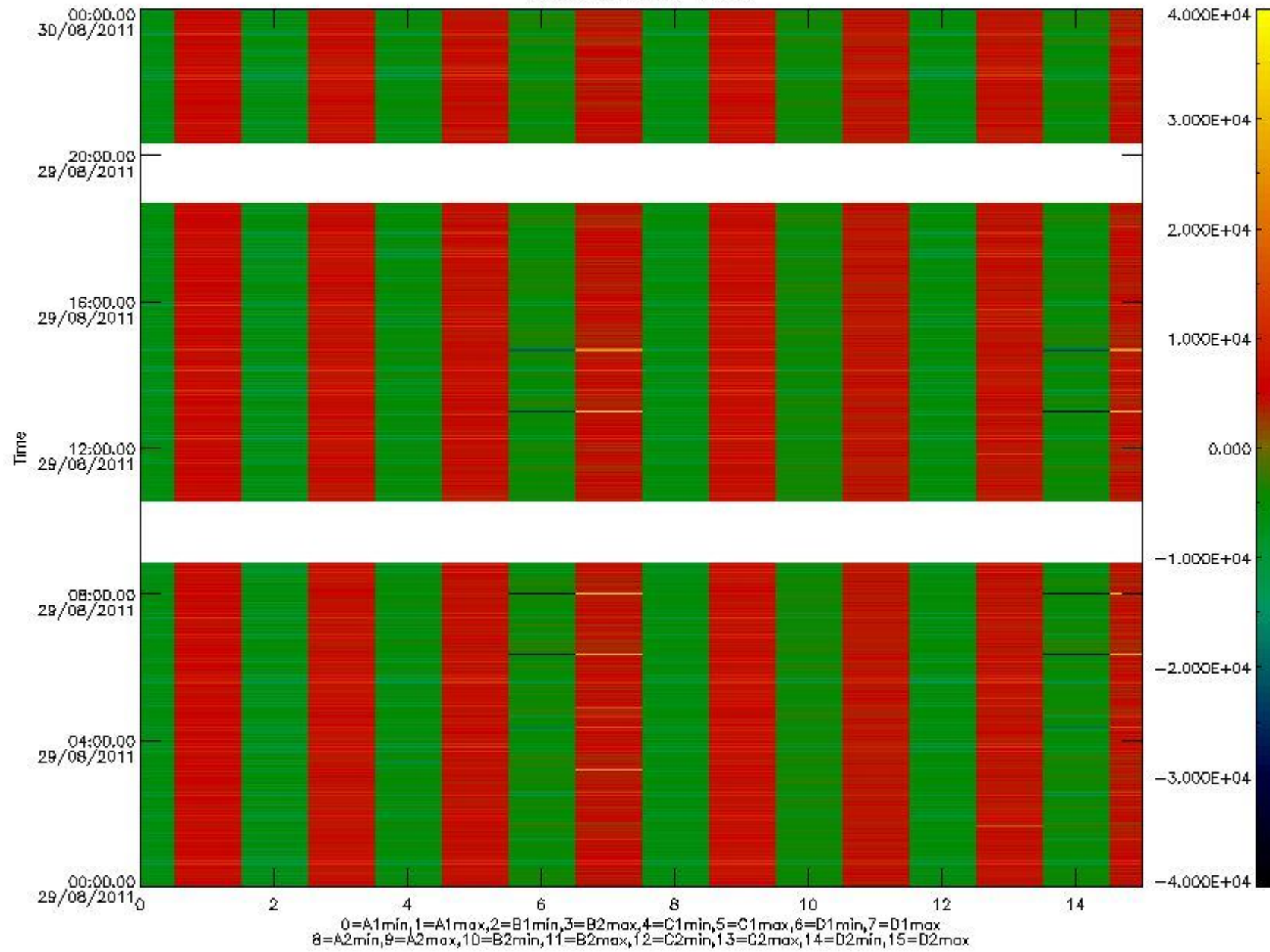


mipas_daily_report_level0_KSPT_L0_4504_N_20110829_10.PNG

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

Channel	Min	Max	ADC
A1	-18196	19060	16bit
B1	-17662	15216	16bit
C1	-24883	18559	16bit
D1	-32768	32767	16bit
A2	-15337	18684	16bit
B2	-14449	14357	16bit
C2	-19516	21817	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_20110829_11.PNG

0.3 ADF monitoring

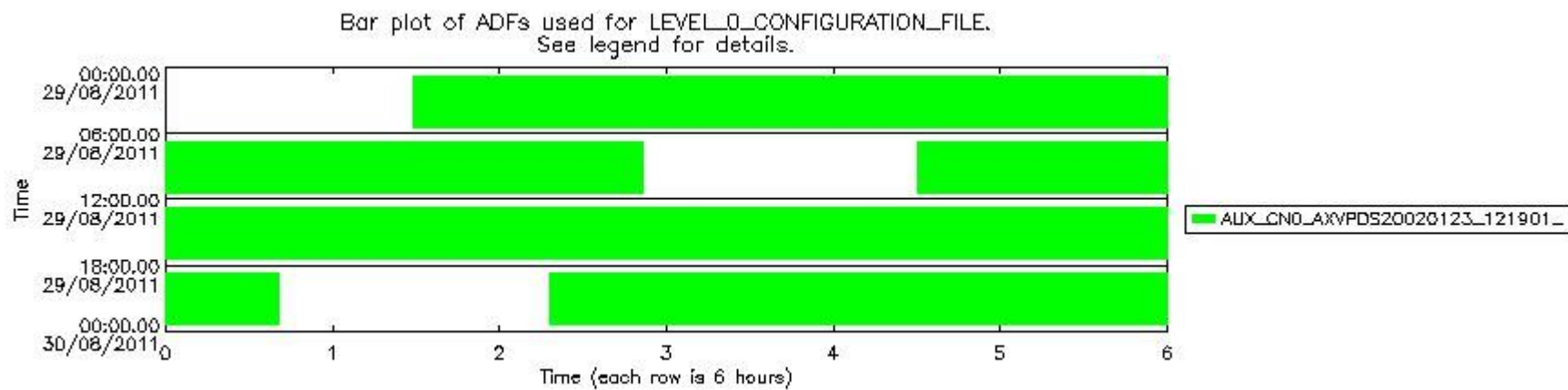
The use of ADFs is shown in two ways:

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.

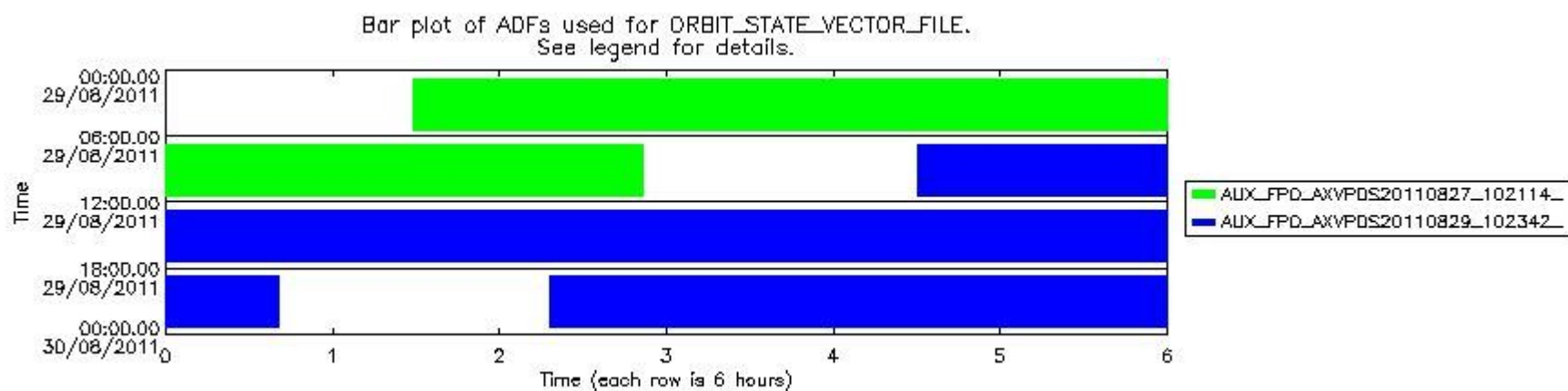
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110827_102114_20110826_183258_20110905_204644
2	AUX_FPO_AXVPDS20110829_102342_20110828_185943_20110907_211328

Number	Product name	#CN0	#FPO
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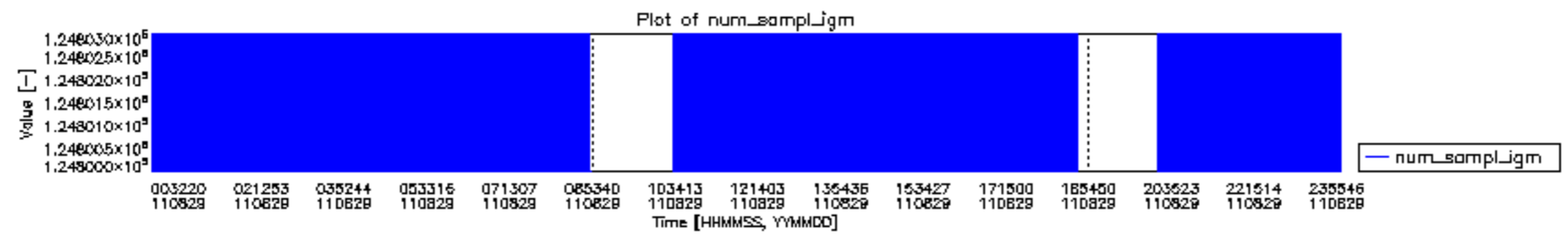
0	MIP_NL__0PNPDE20110829_012851_000102933106_00074_49657_9539.N1	0	1
1	MIP_NL__0PNPDE20110829_021159_000077043106_00075_49658_4373.N1	0	1
2	MIP_NL__0PNPDE20110829_041950_000061603106_00076_49659_9540.N1	0	1
3	MIP_NL__0PNPDK20110829_060159_000041473106_00077_49660_6173.N1	0	1
4	MIP_NL__0PNPDK20110829_071035_000060503106_00078_49661_6174.N1	0	1
5	MIP_NL__0PNPDK20110829_103018_000059933106_00080_49663_6176.N1	0	2
6	MIP_NL__0PNPDK20110829_120938_000059103106_00081_49664_6177.N1	0	2
7	MIP_NL__0PNPDK20110829_134736_000058143106_00082_49665_6178.N1	0	2
8	MIP_NL__0PNPDK20110829_152253_000060453106_00083_49666_6179.N1	0	2
9	MIP_NL__0PNPDK20110829_170240_000058603106_00084_49667_6180.N1	0	2
10	MIP_NL__0PNPDE20110829_201814_000043913106_00086_49669_9541.N1	0	2
11	MIP_NL__0PNPDE20110829_213029_000061903106_00086_49669_9542.N1	0	2
12	MIP_NL__0PNPDE20110829_231234_000060293106_00087_49670_9543.N1	0	2

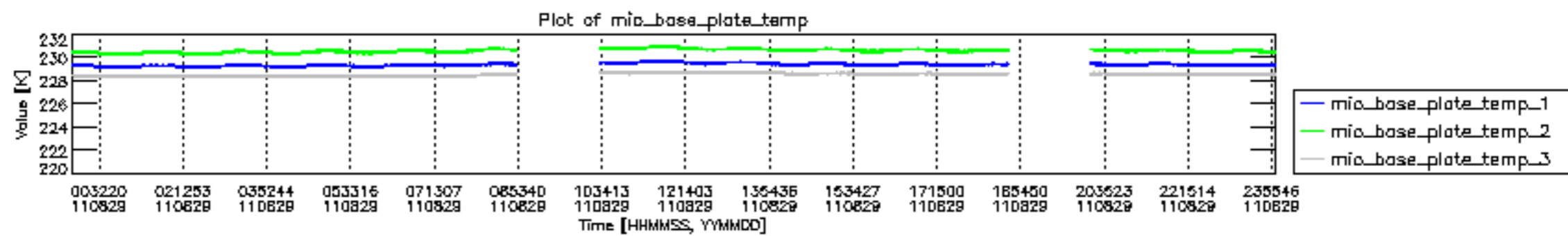


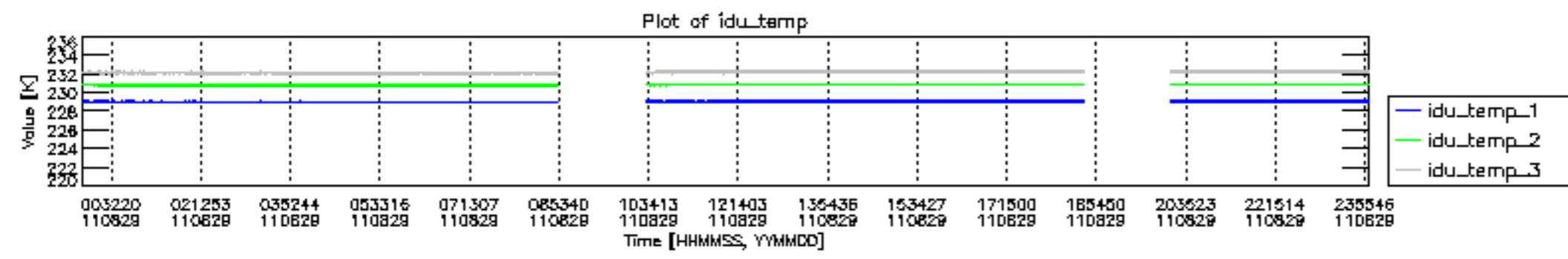
mipas_daily_report_level0_KSPT_L0_4504_N_20110829_12.PNG

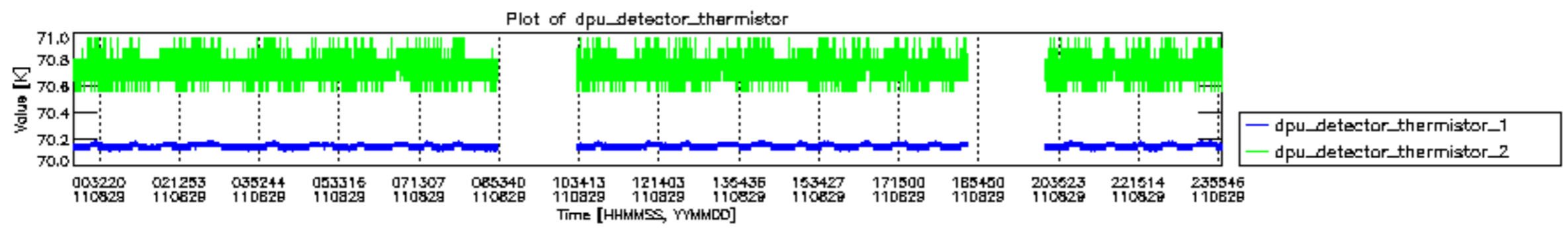


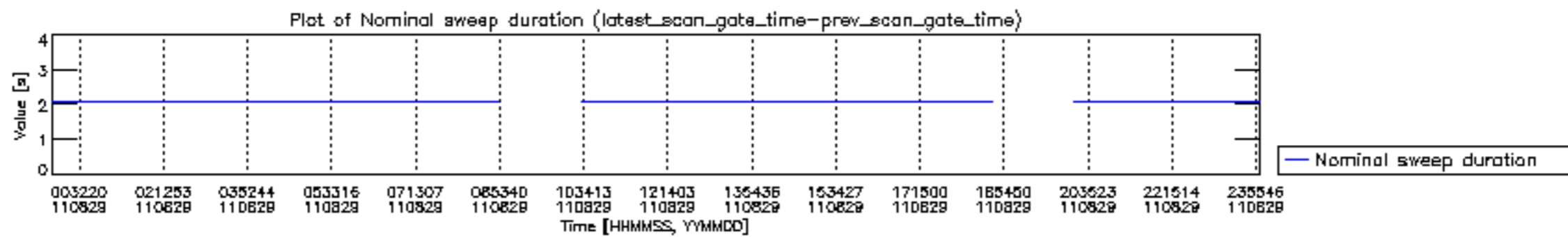
mipas_daily_report_level0_KSPT_L0_4504_N_20110829_13.PNG

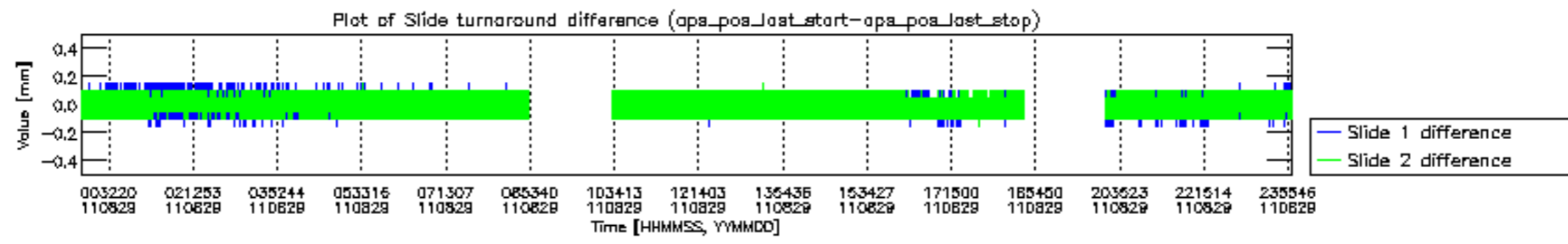


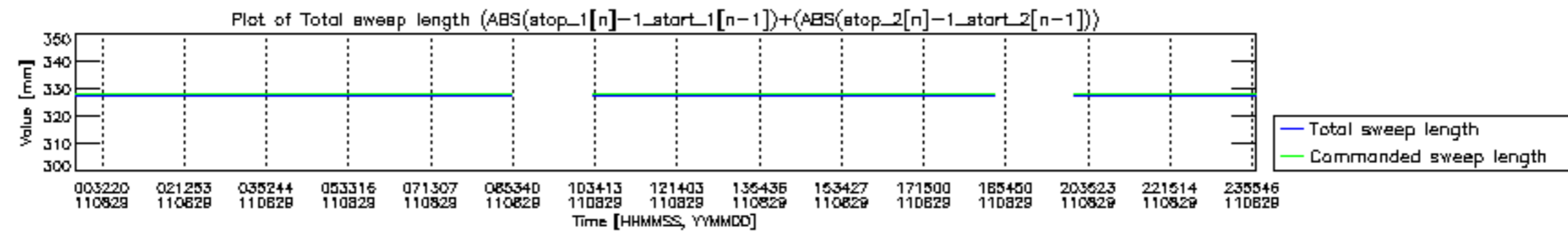


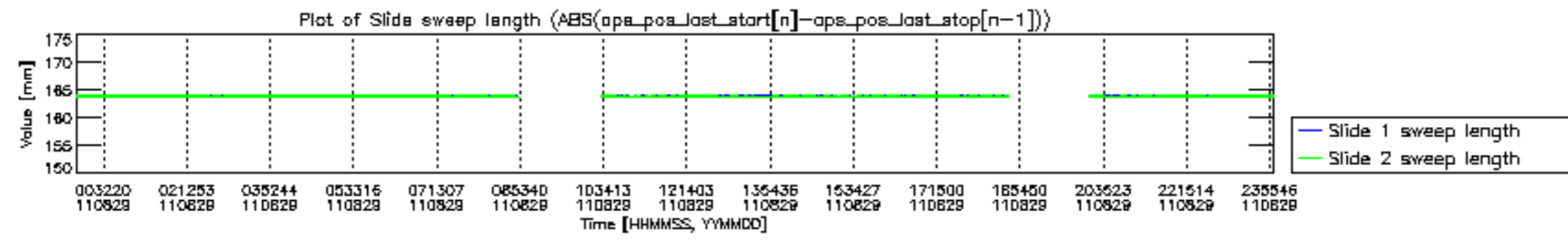


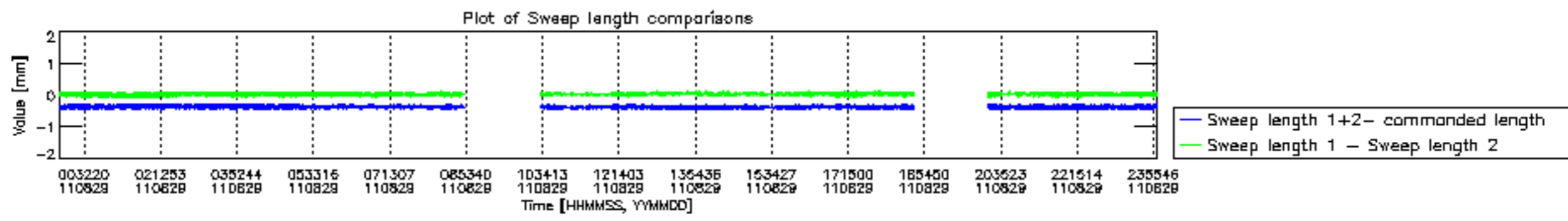


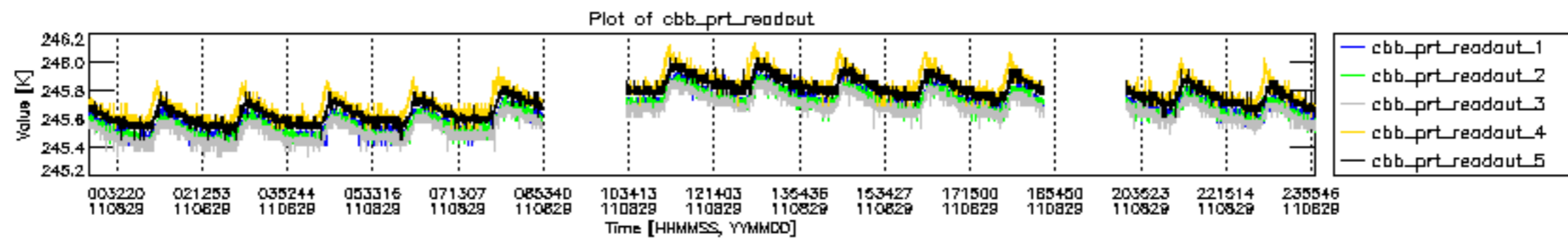


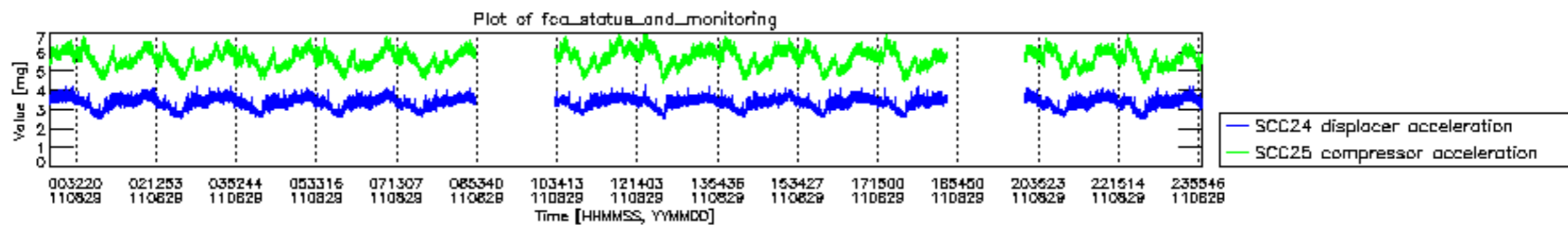












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

