

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	02OCT2011 05:25:35
Data source version	KSPT_L0/4504-N
Processing scope for products	27SEP2011 00:00:00 to 28SEP2011 00:00:00
Start time of first product within scope	27SEP2011 00:25:08
Stop time of last product within scope	28SEP2011 01:29:56
Total number of level 0 products	9
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.

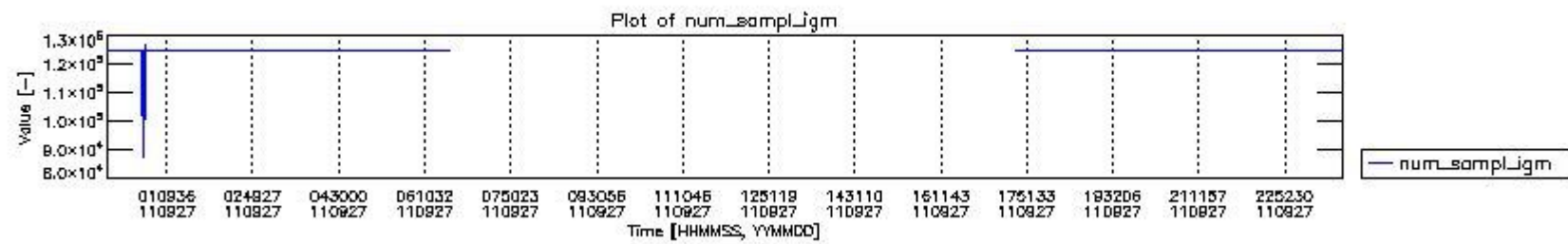
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110927_002508_000059113107_00059_50073_9721.N1	27SEP2011 00:25:08	27SEP2011 02:03:39	0	0	0	0	0
1	MIP_NL__0PNPDE20110927_020234_000045103107_00060_50074_9722.N1	27SEP2011 02:02:34	27SEP2011 03:17:44	0	0	0	0	0
2	MIP_NL__0PNPDE20110927_031711_000061423107_00061_50075_9723.N1	27SEP2011 03:17:11	27SEP2011 04:59:33	0	0	0	0	0
3	MIP_NL__0PNPDE20110927_045859_000060393107_00062_50076_9724.N1	27SEP2011 04:58:59	27SEP2011 06:39:39	0	0	0	0	0
4	MIP_NL__0PNPDK20110927_173831_000058793107_00070_50084_7150.N1	27SEP2011 17:38:31	27SEP2011 19:16:29	0	0	0	0	0
5	MIP_NL__0PNPDK20110927_191556_000060693107_00071_50085_7151.N1	27SEP2011 19:15:56	27SEP2011 20:57:05	0	0	0	0	0
6	MIP_NL__0PNPDE20110927_205619_000043013107_00072_50086_9725.N1	27SEP2011 20:56:19	27SEP2011 22:08:00	0	0	0	0	0
7	MIP_NL__0PNPDE20110927_220655_000061613107_00072_50086_9726.N1	27SEP2011 22:06:55	27SEP2011 23:49:36	0	0	0	0	0
8	MIP_NL__0PNPDE20110927_234837_000060793107_00073_50087_9727.N1	27SEP2011 23:48:37	28SEP2011 01:29:56	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

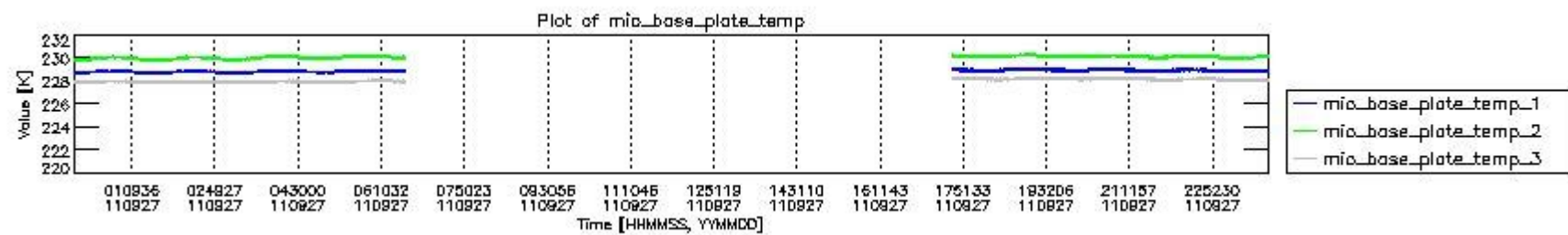
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

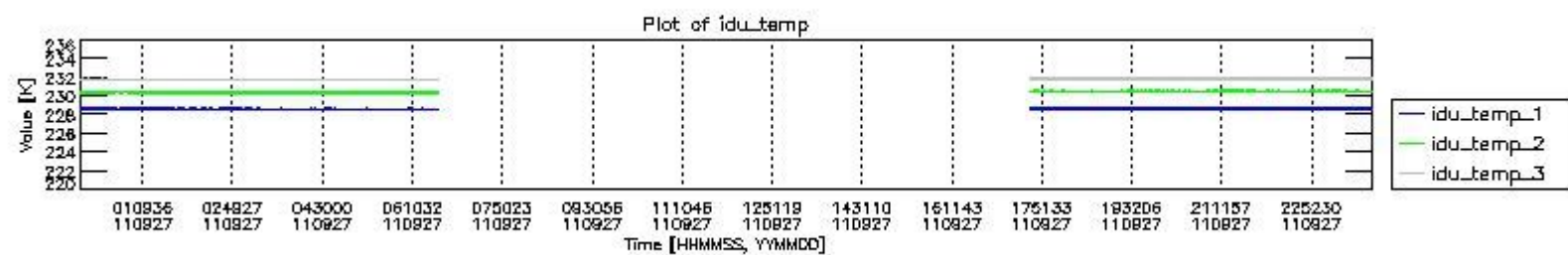
Number of igm samples	Count [#]	Count [%]
87054	1	0.0044599055
95861	1	0.0044599055
100483	1	0.0044599055
115993	1	0.0044599055
124800	20812	92.819552
124803	1604	7.1536883
125735	1	0.0044599055
126670	1	0.0044599055



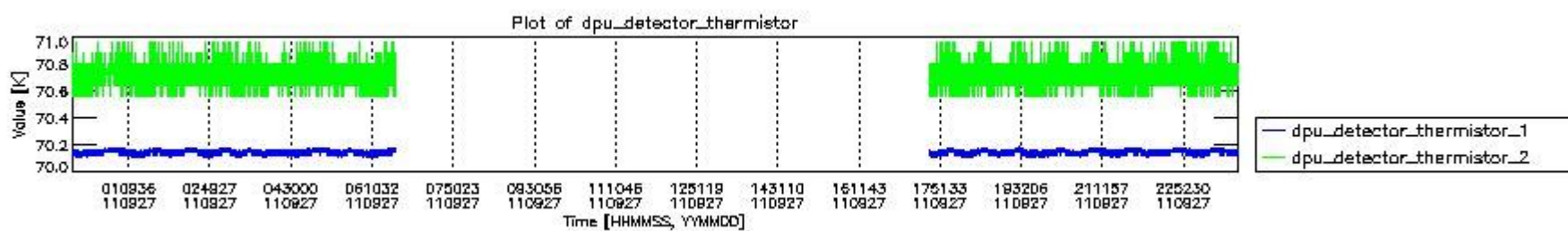
mipas_daily_report_level0_KSPT_L0_4504_N_20110927_0.PNG



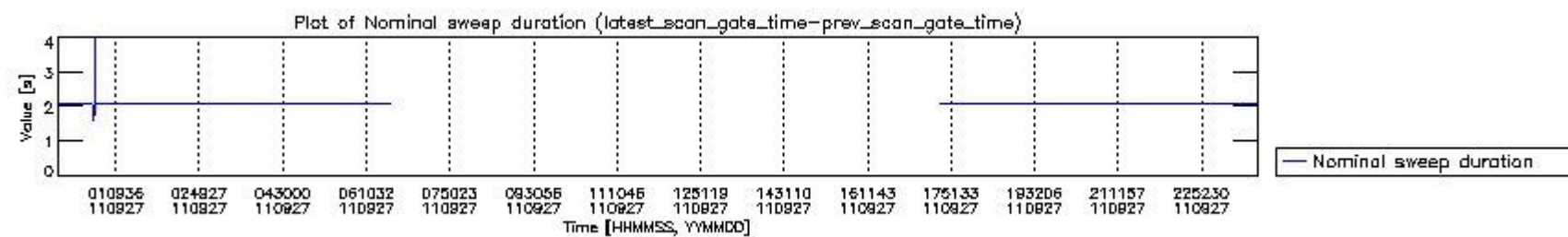
mipas_daily_report_level0_KSPT_L0_4504_N_20110927_1.PNG



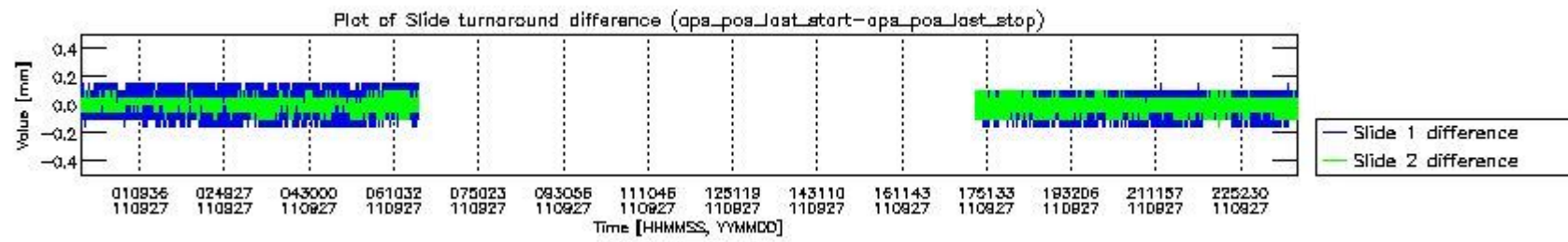
mipas_daily_report_level0_KSPT_L0_4504_N_20110927_2.PNG



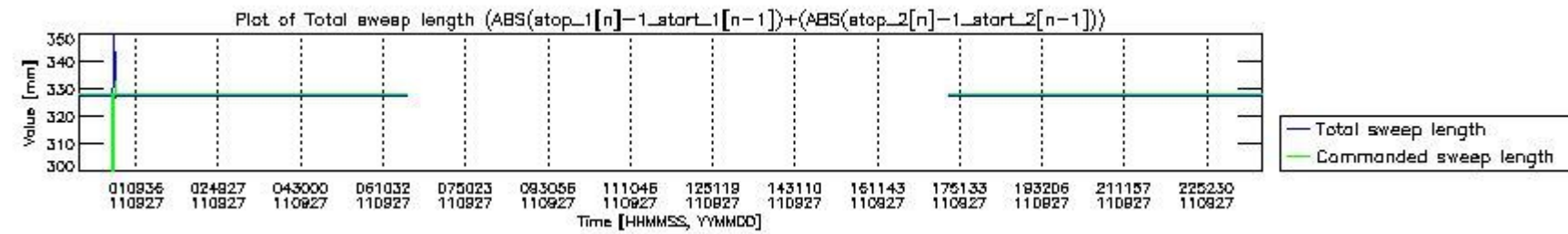
mipas_daily_report_level0_KSPT_L0_4504_N_20110927_3.PNG



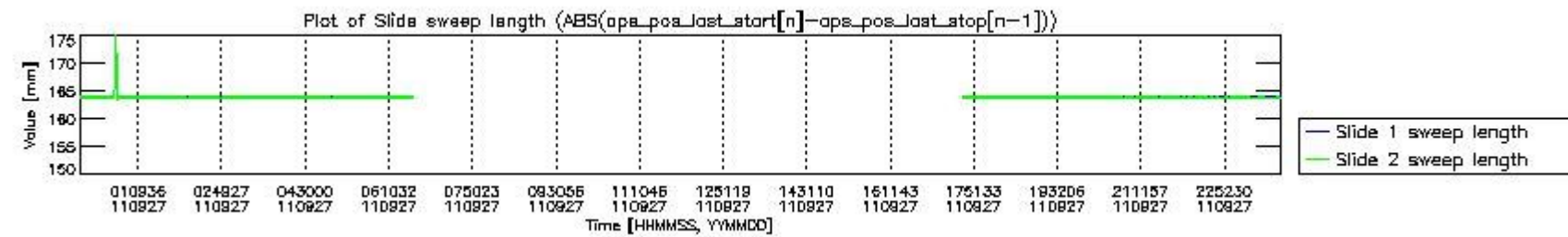
mipas_daily_report_level0_KSPT_L0_4504_N_20110927_4.PNG



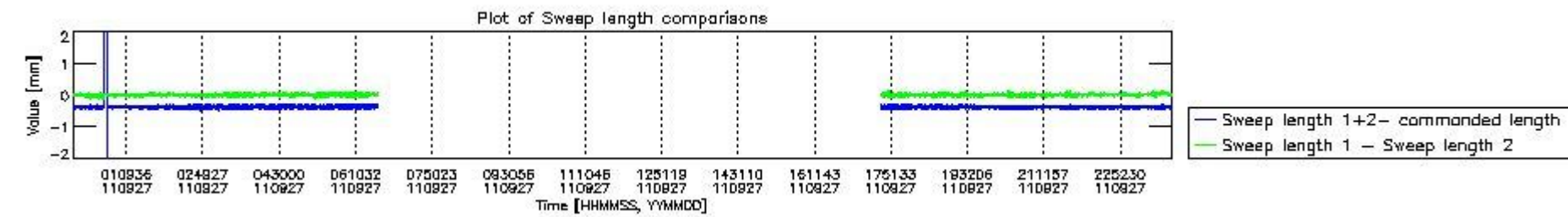
mipas_daily_report_level0_KSPT_L0_4504_N_20110927_5.PNG



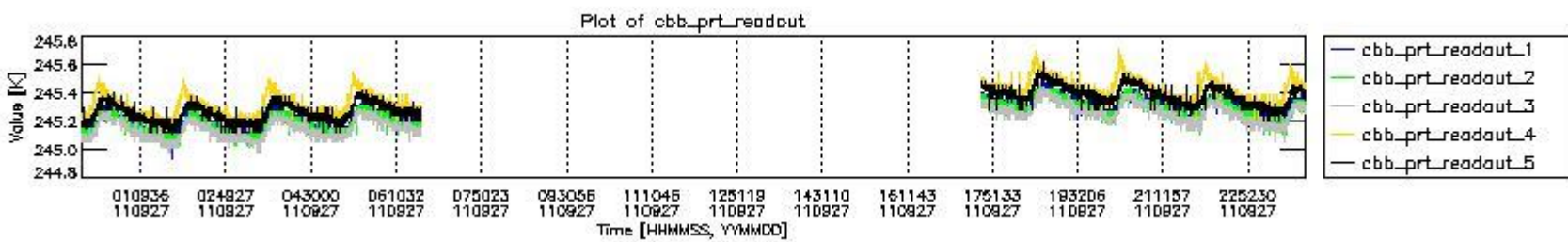
mipas_daily_report_level0_KSPT_L0_4504_N_20110927_6.PNG



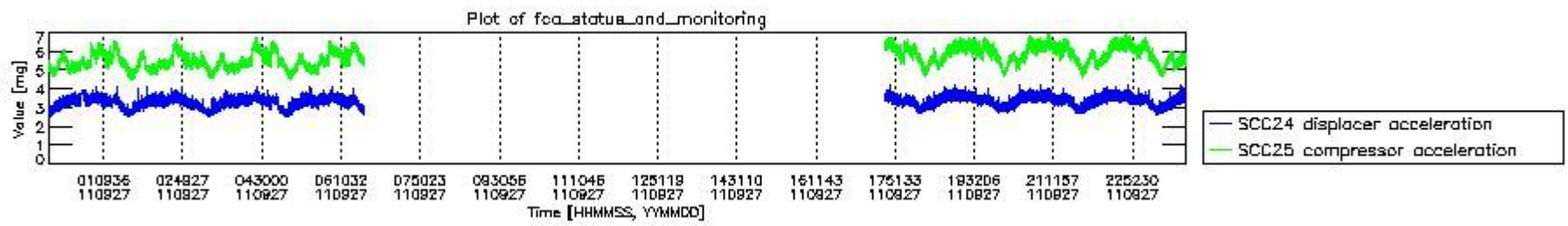
mipas_daily_report_level0_KSPT_L0_4504_N_20110927_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110927_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110927_9.PNG

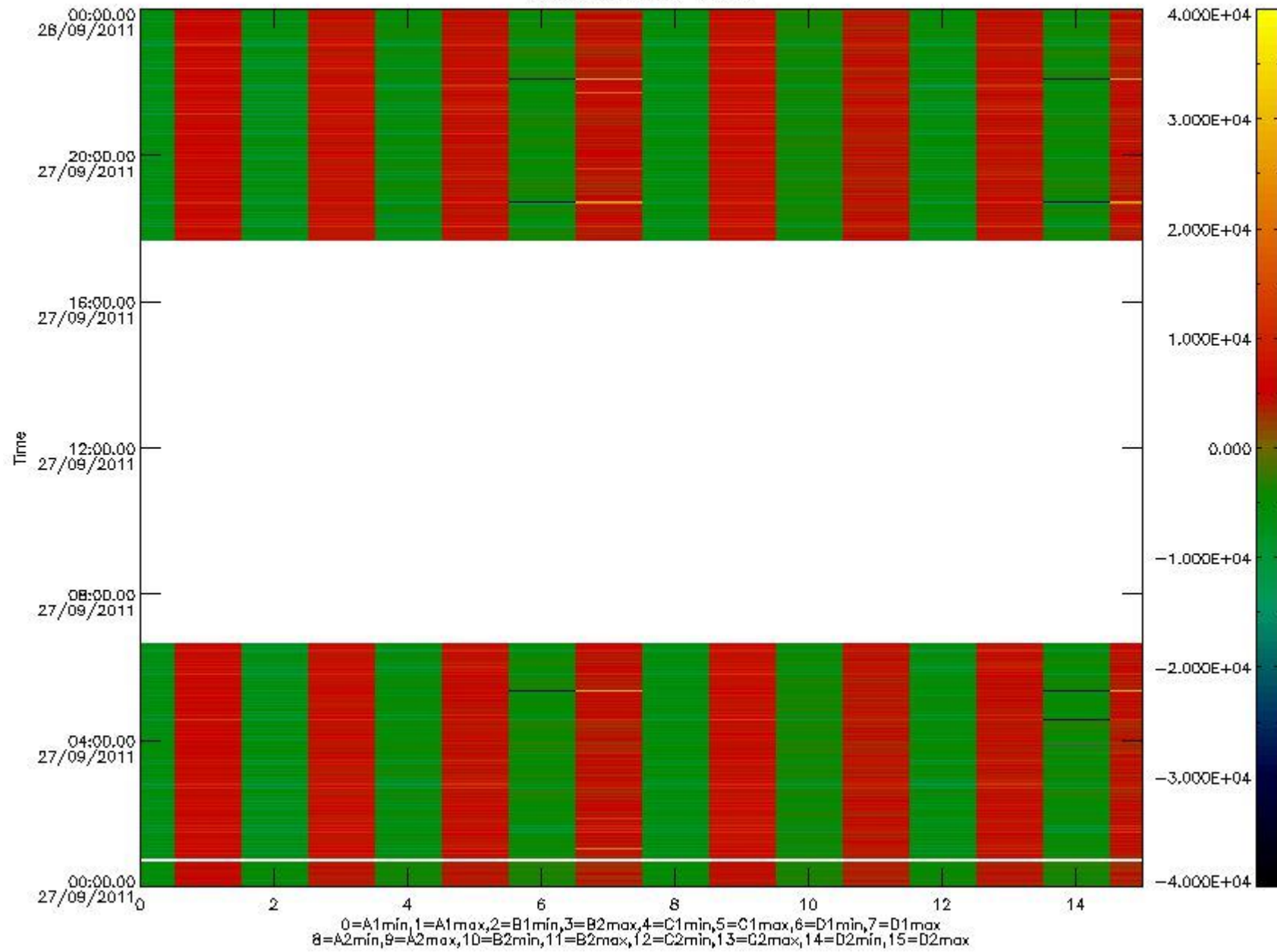


mipas_daily_report_level0_KSPT_L0_4504_N_20110927_10.PNG

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

Channel	Min	Max	ADC
A1	-17379	18558	16bit
B1	-17387	14921	16bit
C1	-23087	22960	16bit
D1	-32768	32767	16bit
A2	-14824	18047	16bit
B2	-15084	14865	16bit
C2	-32768	23884	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_20110927_11.PNG

0.3 ADF monitoring

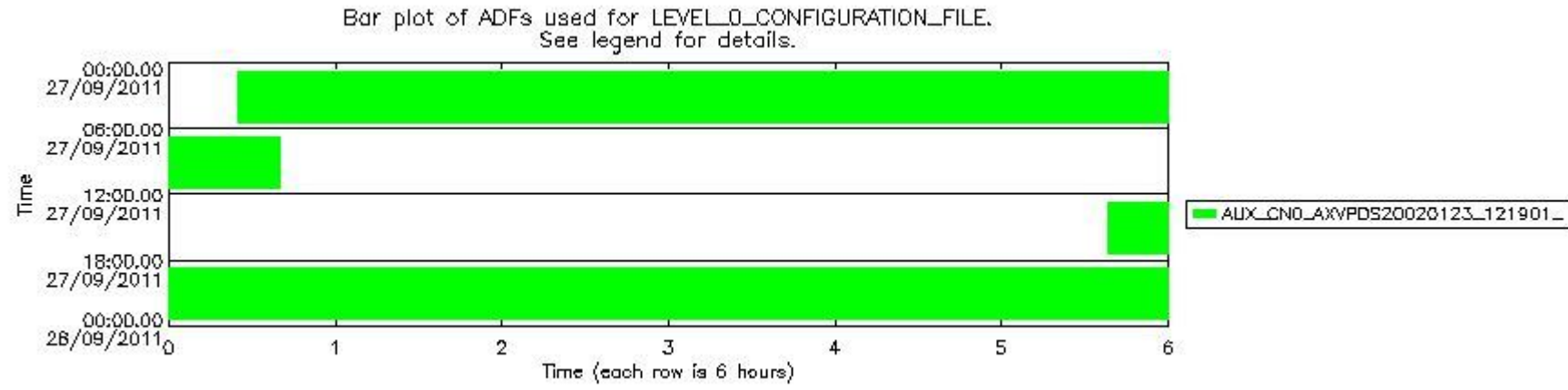
The use of ADFs is shown in two ways:

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.

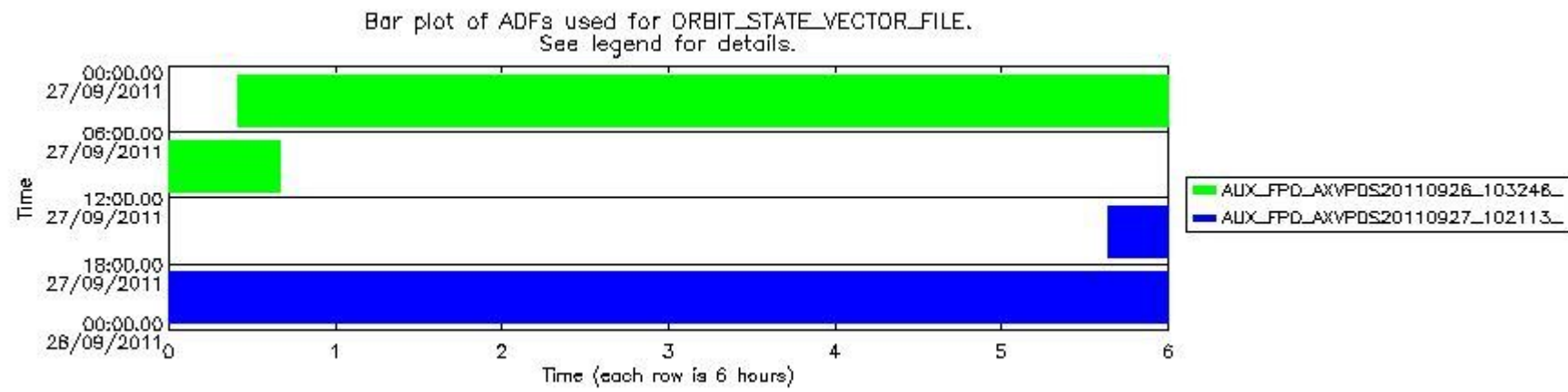
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110926_103246_20110925_183317_20111005_204701
2	AUX_FPO_AXVPDS20110927_102113_20110926_193647_20111006_201017

Number	Product name	#CN0	#FPO
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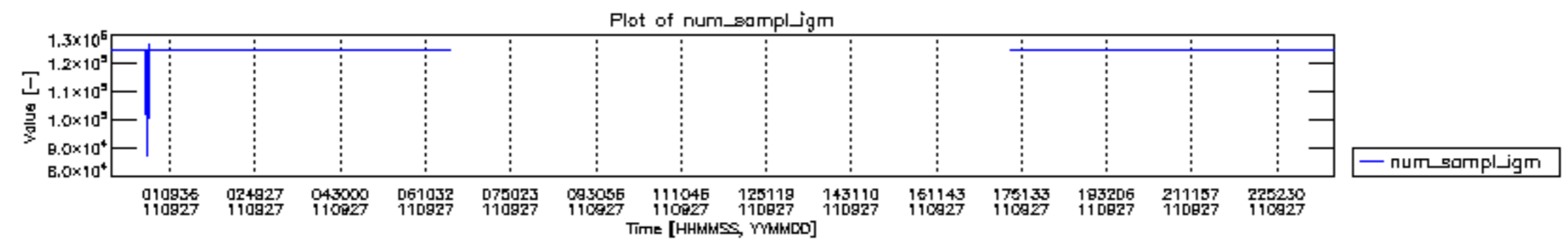
0	MIP_NL__0PNPDE20110927_002508_000059113107_00059_50073_9721.N1	0	1
1	MIP_NL__0PNPDE20110927_020234_000045103107_00060_50074_9722.N1	0	1
2	MIP_NL__0PNPDE20110927_031711_000061423107_00061_50075_9723.N1	0	1
3	MIP_NL__0PNPDE20110927_045859_000060393107_00062_50076_9724.N1	0	1
4	MIP_NL__0PNPDK20110927_173831_000058793107_00070_50084_7150.N1	0	2
5	MIP_NL__0PNPDK20110927_191556_000060693107_00071_50085_7151.N1	0	2
6	MIP_NL__0PNPDE20110927_205619_000043013107_00072_50086_9725.N1	0	2
7	MIP_NL__0PNPDE20110927_220655_000061613107_00072_50086_9726.N1	0	2
8	MIP_NL__0PNPDE20110927_234837_000060793107_00073_50087_9727.N1	0	2

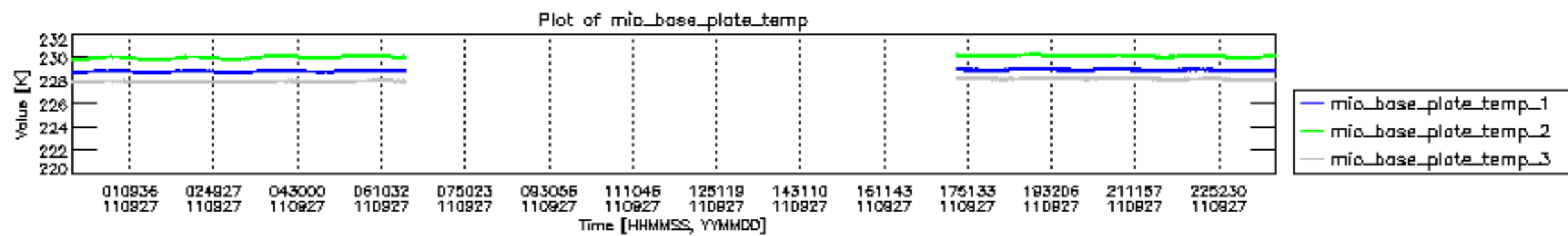


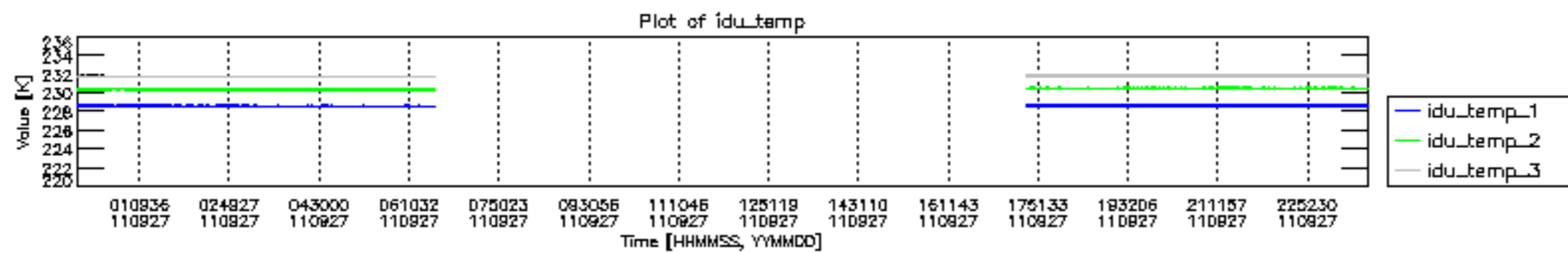
mipas_daily_report_level0_KSPT_L0_4504_N_20110927_12.PNG

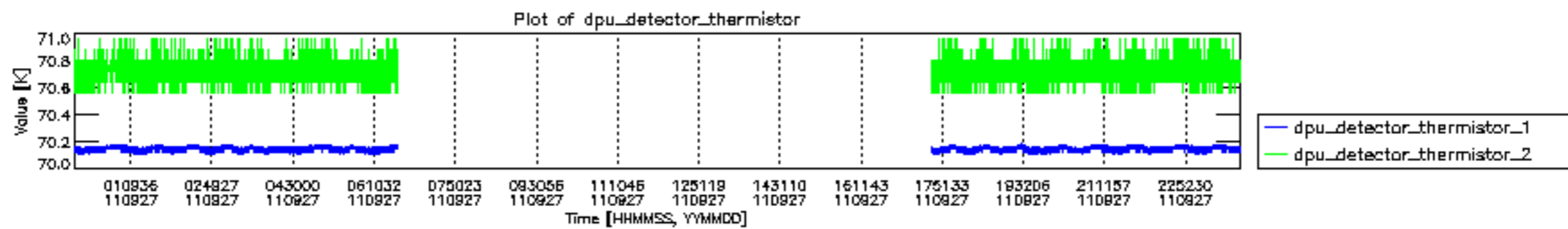


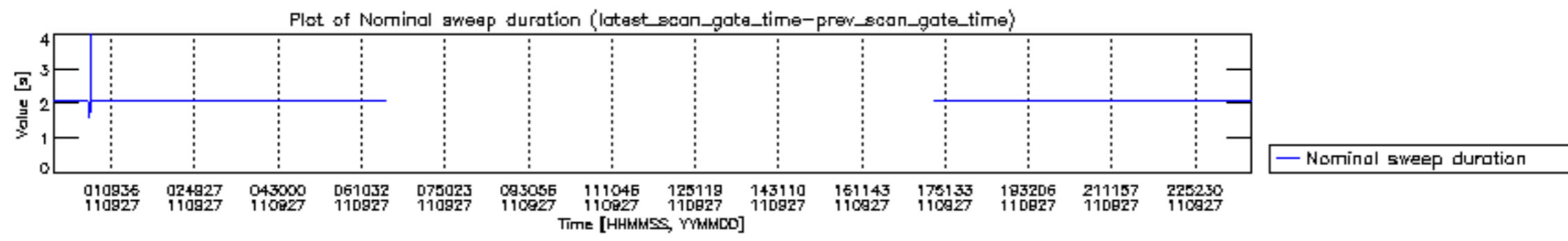
mipas_daily_report_level0_KSPT_L0_4504_N_20110927_13.PNG

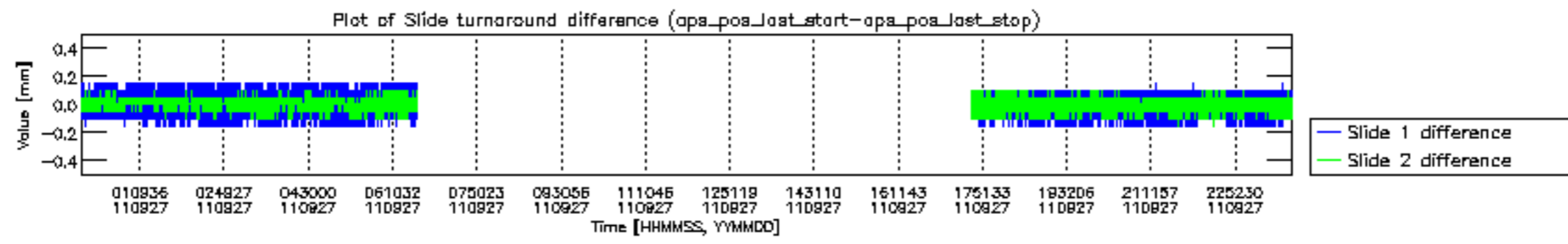


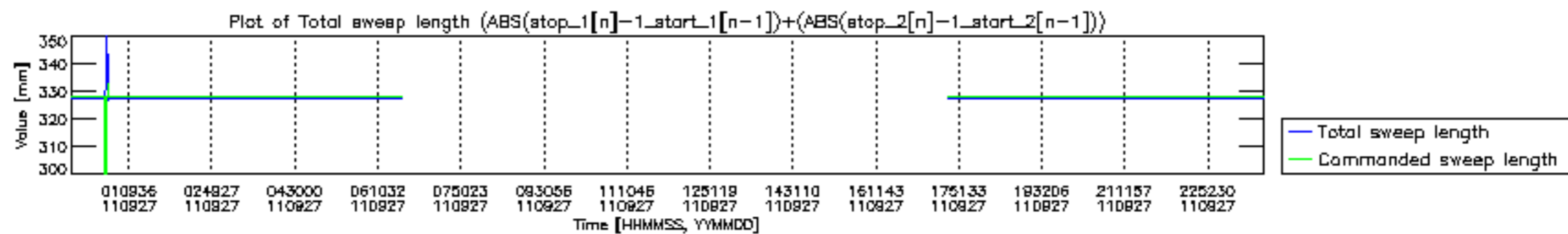


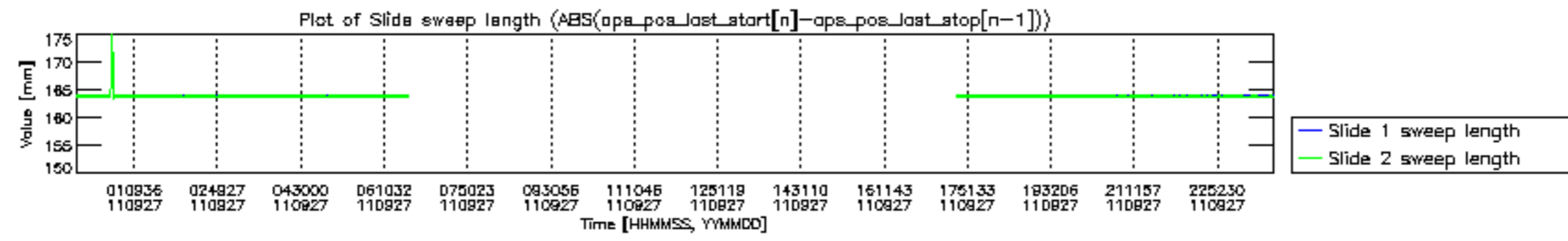


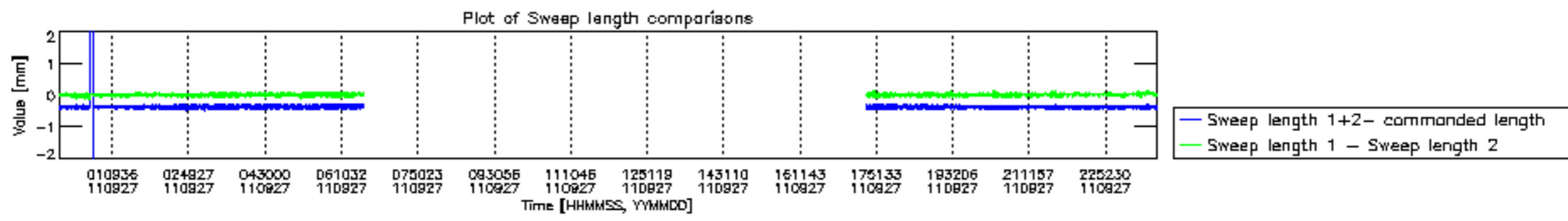


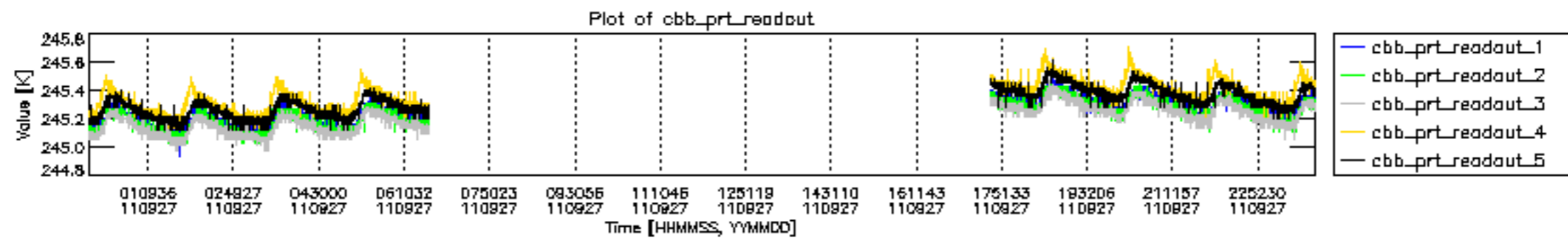


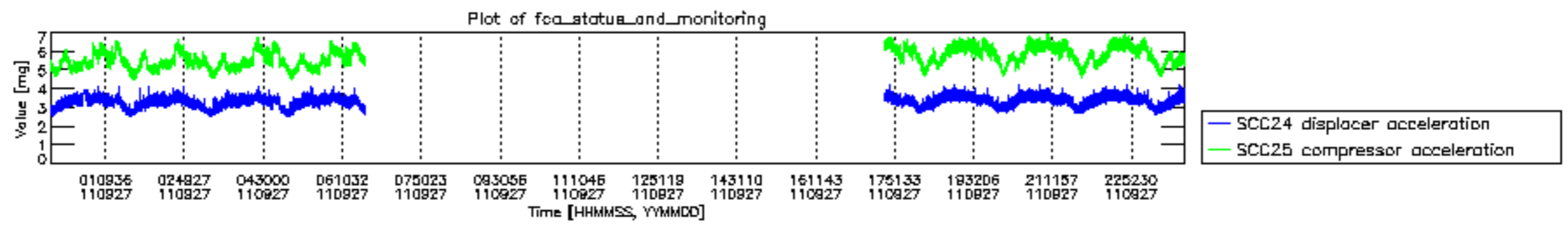












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

