

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	05SEP2011 09:39:20
Data source version	KSPT_L0/4504-N
Processing scope for products	31AUG2011 00:00:00 to 01SEP2011 00:00:00
Start time of first product within scope	31AUG2011 00:16:13
Stop time of last product within scope	01SEP2011 01:19:15
Total number of level 0 products	15
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__OPNPDE20110831_001613_000058353106_00102_49685_9551.N1	31AUG2011 00:16:13	31AUG2011 01:53:27	0	0	0	0	0
1	MIP_NL__OPNPDE20110831_015229_000045193106_00103_49686_9552.N1	31AUG2011 01:52:29	31AUG2011 03:07:48	0	0	0	0	0
2	MIP_NL__OPNPDE20110831_030714_000060943106_00104_49687_9553.N1	31AUG2011 03:07:14	31AUG2011 04:48:48	0	0	0	0	0
3	MIP_NL__OPNPDE20110831_044814_000060483106_00105_49688_9554.N1	31AUG2011 04:48:14	31AUG2011 06:29:02	0	0	0	0	0
4	MIP_NL__OPNPDK20110831_062829_000041473106_00106_49689_6190.N1	31AUG2011 06:28:29	31AUG2011 07:37:35	0	0	0	0	0
5	MIP_NL__OPNPDK20110831_073702_000060463106_00107_49690_6191.N1	31AUG2011 07:37:02	31AUG2011 09:17:48	0	0	0	0	0
6	MIP_NL__OPNPDK20110831_091704_000059913106_00108_49691_6192.N1	31AUG2011 09:17:04	31AUG2011 10:56:54	0	0	0	0	0
7	MIP_NL__OPNPDK20110831_105610_000059793106_00109_49692_6193.N1	31AUG2011 10:56:10	31AUG2011 12:35:49	0	0	0	0	0
8	MIP_NL__OPNPDK20110831_123505_000059543106_00110_49693_6194.N1	31AUG2011 12:35:05	31AUG2011 14:14:19	0	0	0	0	0
9	MIP_NL__OPNPDK20110831_141348_000059353106_00111_49694_6195.N1	31AUG2011 14:13:48	31AUG2011 15:52:43	0	0	0	0	0
10	MIP_NL__OPNPDK20110831_172901_000058783106_00113_49696_6197.N1	31AUG2011 17:29:01	31AUG2011 19:06:59	0	0	0	0	0
11	MIP_NL__OPNPDK20110831_190603_000060023106_00114_49697_6198.N1	31AUG2011 19:06:03	31AUG2011 20:46:05	0	0	0	0	0
12	MIP_NL__OPNPDE20110831_204428_000044543106_00115_49698_9555.N1	31AUG2011 20:44:28	31AUG2011 21:58:42	0	0	0	0	0
13	MIP_NL__OPNPDE20110831_215740_000060813106_00115_49698_9556.N1	31AUG2011 21:57:40	31AUG2011 23:39:01	0	0	0	0	0
14	MIP_NL__OPNPDE20110831_233804_000060713106_00116_49699_9557.N1	31AUG2011 23:38:04	01SEP2011 01:19:15	0	0	0	0	0

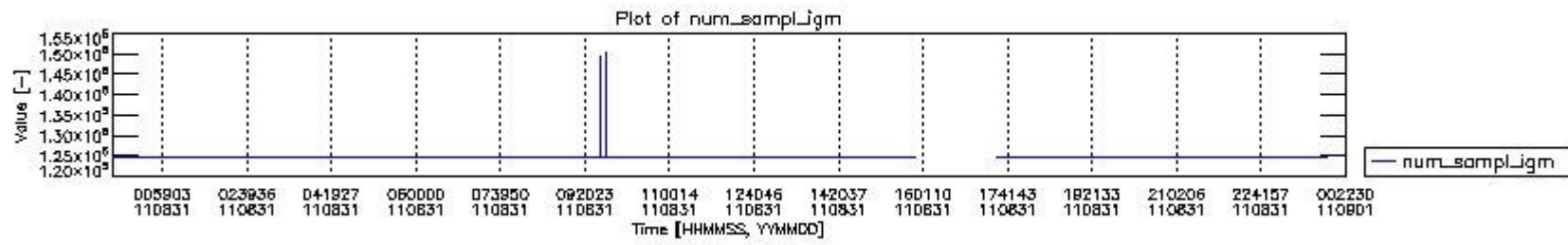
0.2 Instrument Operational Performance Parameters

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.

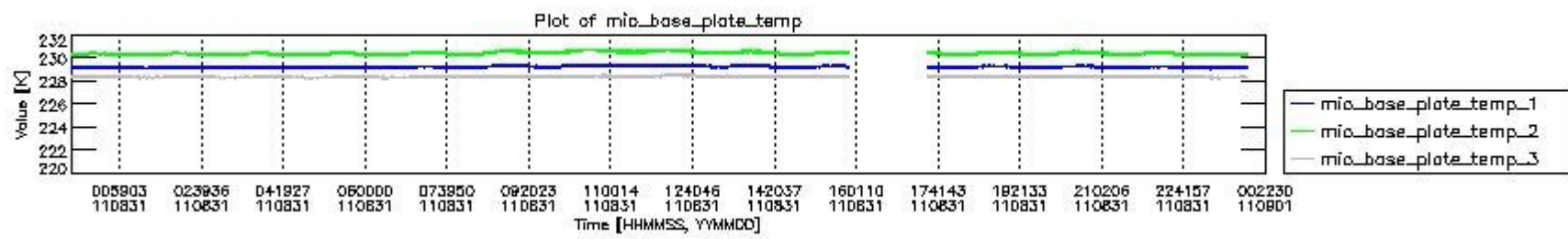
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	36033	92.885314
124803	2754	7.0992189
127010	1	0.0025777847

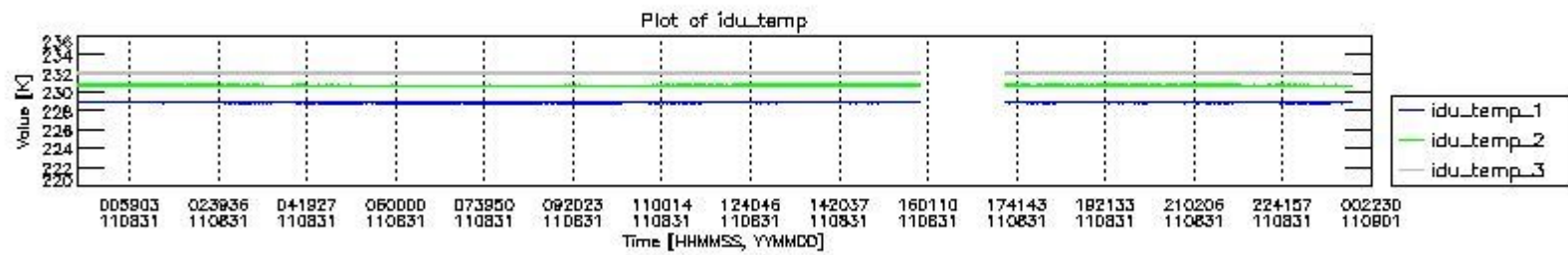
127531	1	0.0025777847
147142	1	0.0025777847
147663	1	0.0025777847
149352	1	0.0025777847
150394	1	0.0025777847



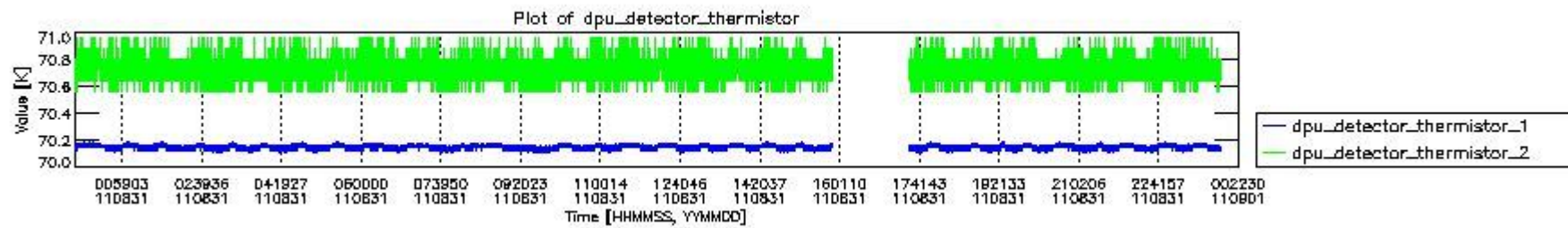
mipas_daily_report_level0_KSPT_L0_4504_N_20110831_0.PNG



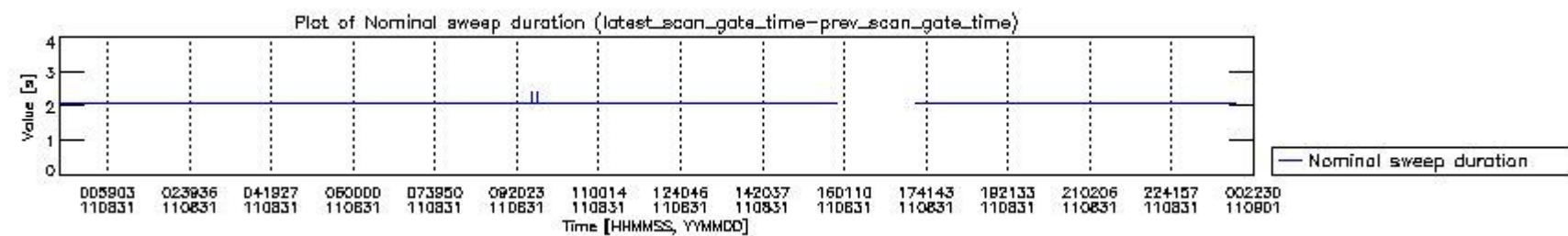
mipas_daily_report_level0_KSPT_L0_4504_N_20110831_1.PNG



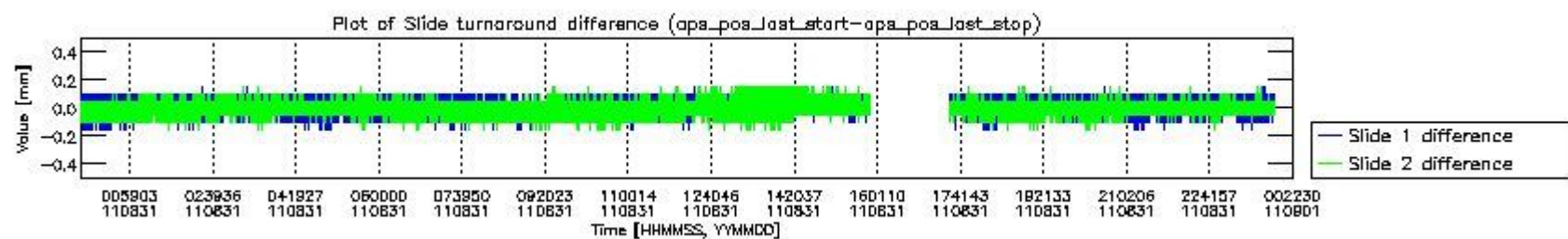
mipas_daily_report_level0_KSPT_L0_4504_N_20110831_2.PNG



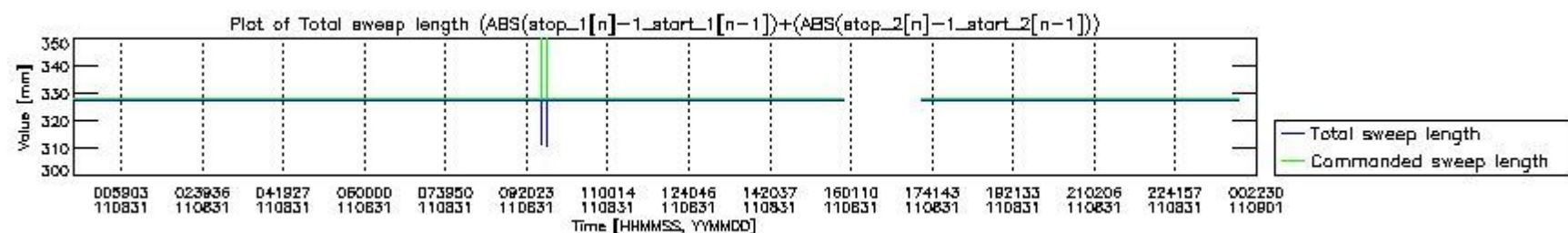
mipas_daily_report_level0_KSPT_L0_4504_N_20110831_3.PNG



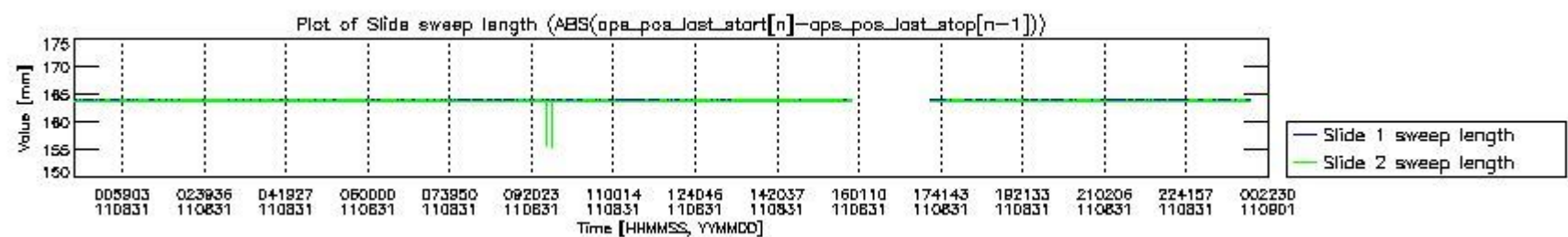
mipas_daily_report_level0_KSPT_L0_4504_N_20110831_4.PNG



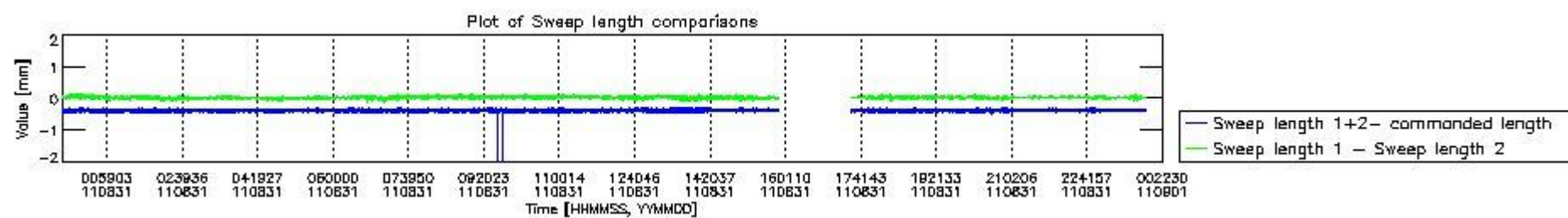
mipas_daily_report_level0_KSPT_L0_4504_N_20110831_5.PNG



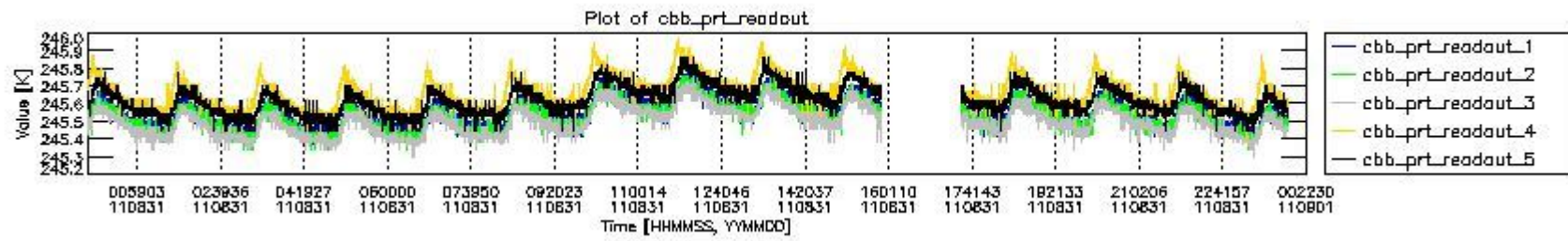
mipas_daily_report_level0_KSPT_L0_4504_N_20110831_6.PNG



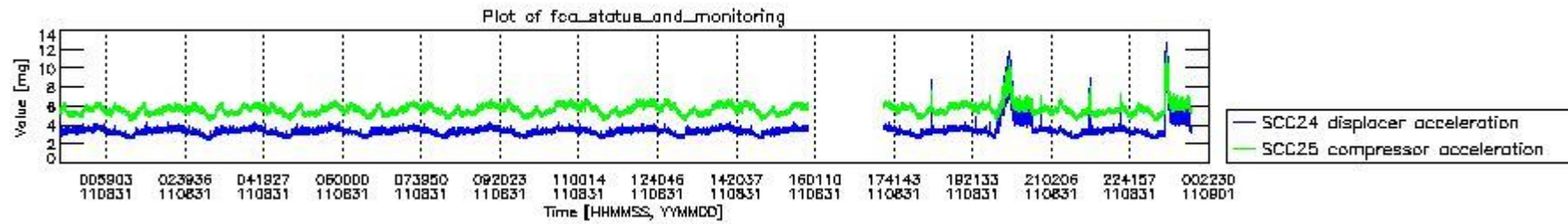
mipas_daily_report_level0_KSPT_L0_4504_N_20110831_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110831_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110831_9.PNG

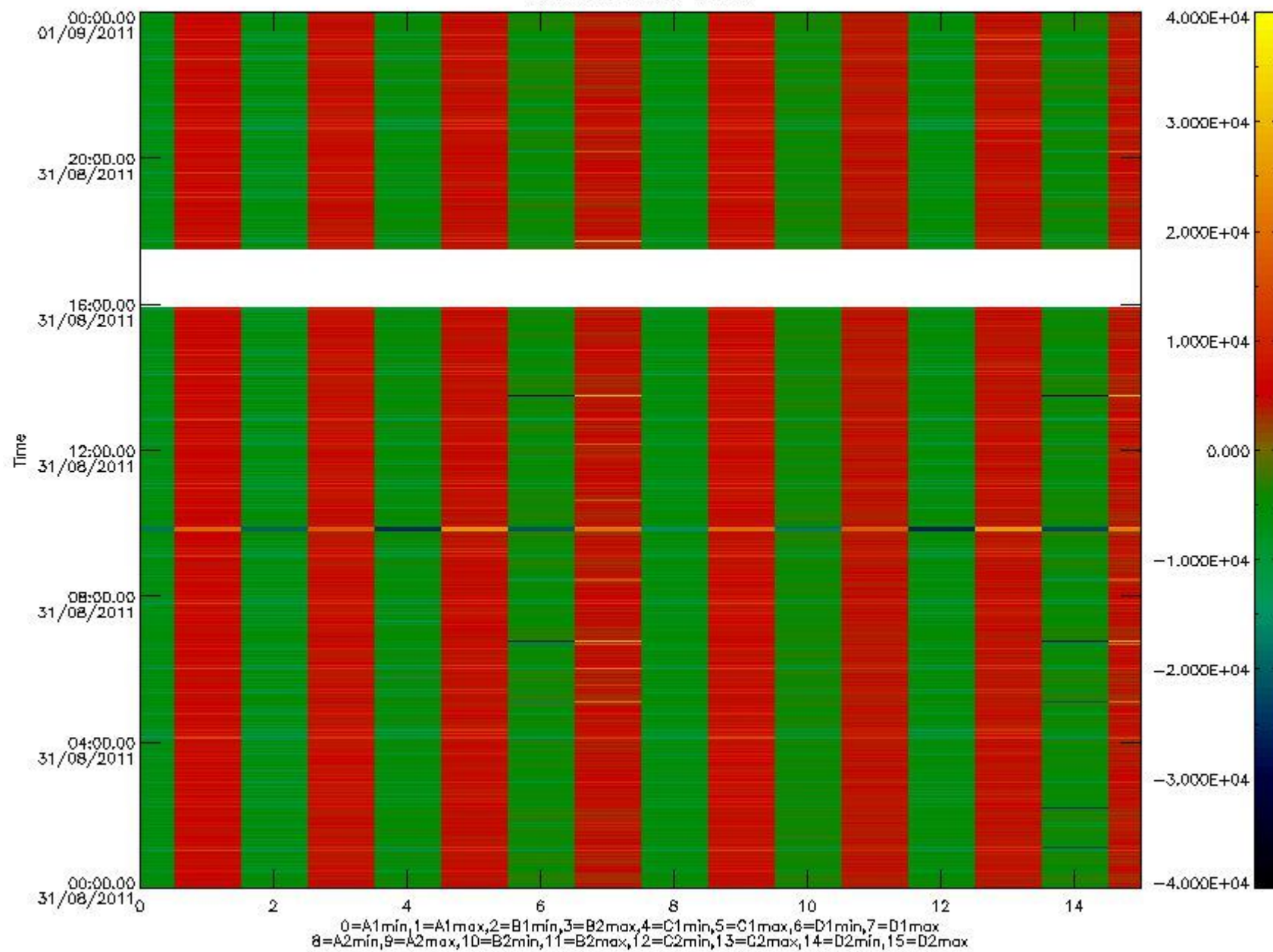


mipas_daily_report_level0_KSPT_L0_4504_N_20110831_10.PNG

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

Channel	Min	Max	ADC
A1	-18136	19201	16bit
B1	-20531	17682	16bit
C1	-25662	25575	16bit
D1	-32768	32767	16bit
A2	-15759	19423	16bit
B2	-18783	18452	16bit
C2	-26752	26312	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_20110831_11.PNG

0.3 ADF monitoring

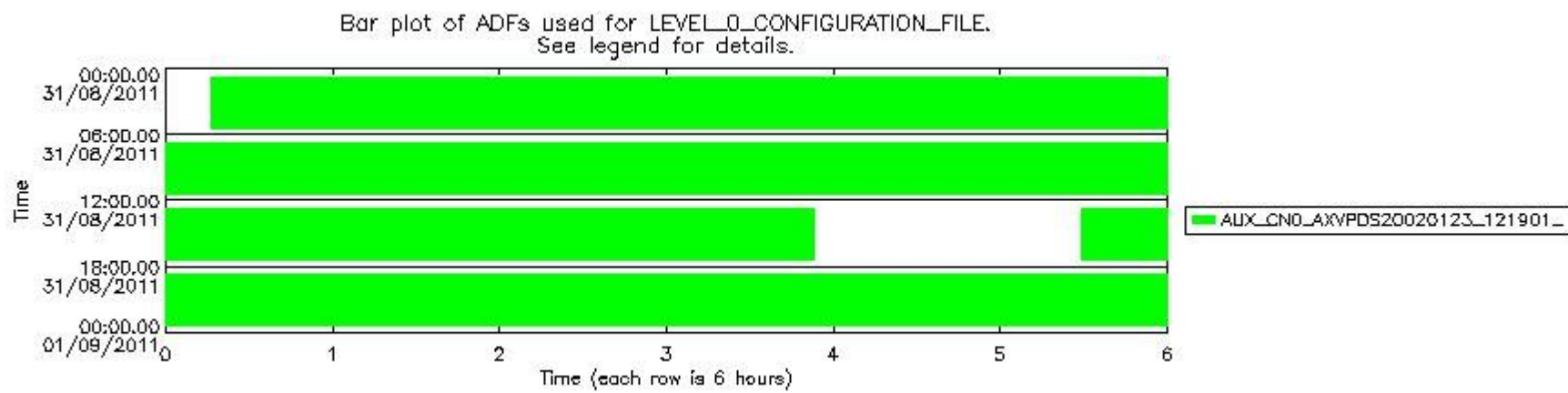
The use of ADFs is shown in two ways:

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.

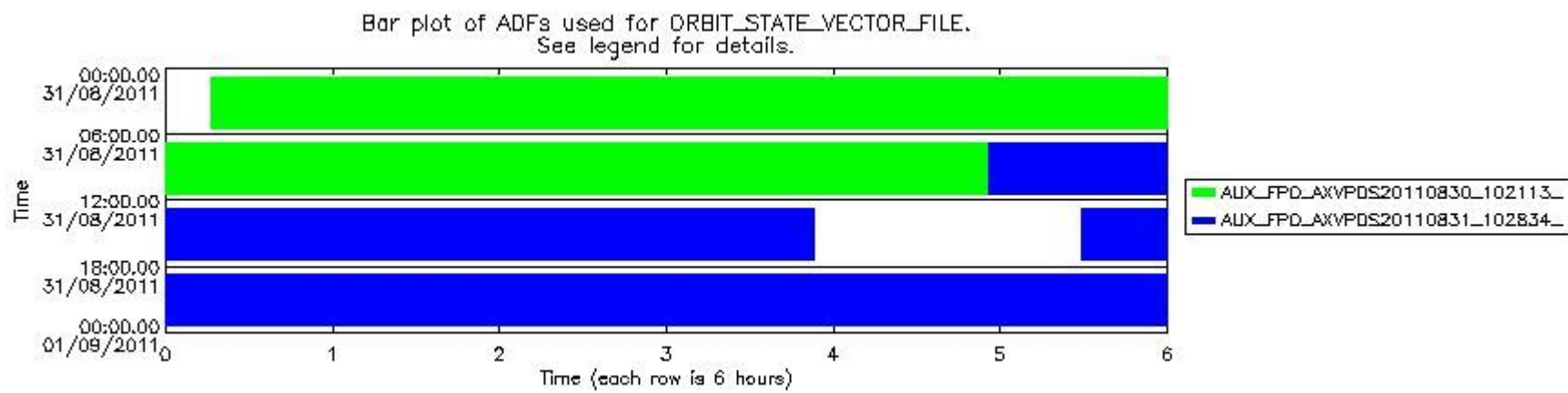
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110830_102113_20110829_182259_20110908_203644
2	AUX_FPO_AXVPDS20110831_102834_20110830_192629_20110909_214013

Number	Product name	#CN0	#FPO
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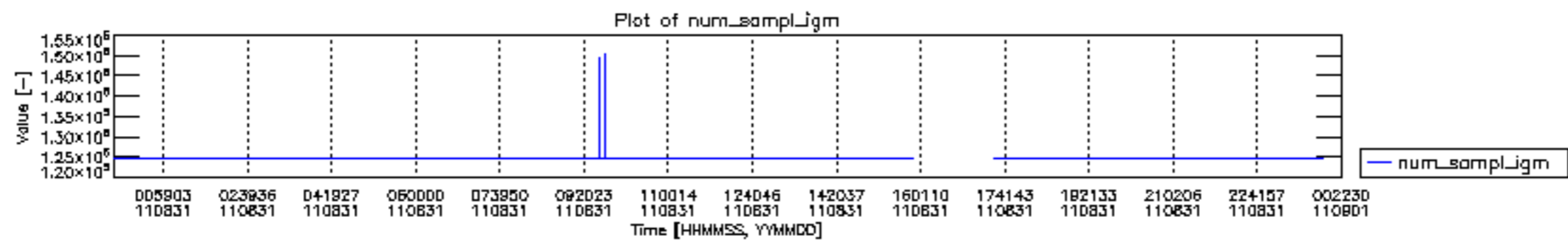
0	MIP_NL__0PNPDE20110831_001613_000058353106_00102_49685_9551.N1	0	1
1	MIP_NL__0PNPDE20110831_015229_000045193106_00103_49686_9552.N1	0	1
2	MIP_NL__0PNPDE20110831_030714_000060943106_00104_49687_9553.N1	0	1
3	MIP_NL__0PNPDE20110831_044814_000060483106_00105_49688_9554.N1	0	1
4	MIP_NL__0PNPDK20110831_062829_000041473106_00106_49689_6190.N1	0	1
5	MIP_NL__0PNPDK20110831_073702_000060463106_00107_49690_6191.N1	0	1
6	MIP_NL__0PNPDK20110831_091704_000059913106_00108_49691_6192.N1	0	1
7	MIP_NL__0PNPDK20110831_105610_000059793106_00109_49692_6193.N1	0	2
8	MIP_NL__0PNPDK20110831_123505_000059543106_00110_49693_6194.N1	0	2
9	MIP_NL__0PNPDK20110831_141348_000059353106_00111_49694_6195.N1	0	2
10	MIP_NL__0PNPDK20110831_172901_000058783106_00113_49696_6197.N1	0	2
11	MIP_NL__0PNPDK20110831_190603_000060023106_00114_49697_6198.N1	0	2
12	MIP_NL__0PNPDE20110831_204428_000044543106_00115_49698_9555.N1	0	2
13	MIP_NL__0PNPDE20110831_215740_000060813106_00115_49698_9556.N1	0	2
14	MIP_NL__0PNPDE20110831_233804_000060713106_00116_49699_9557.N1	0	2

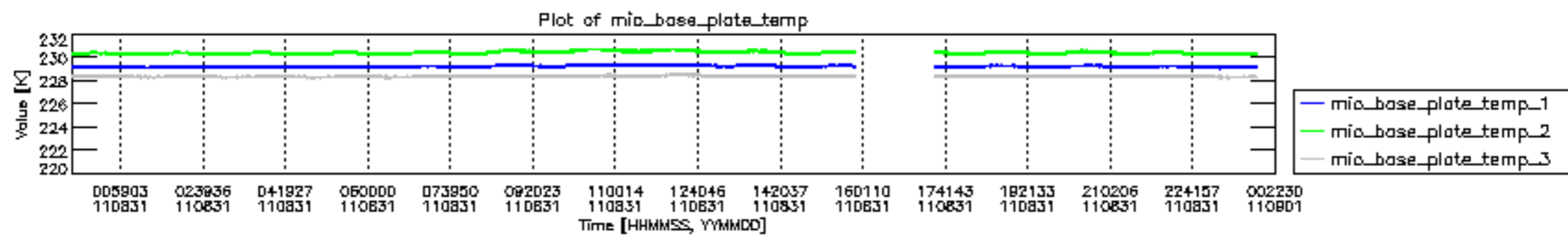


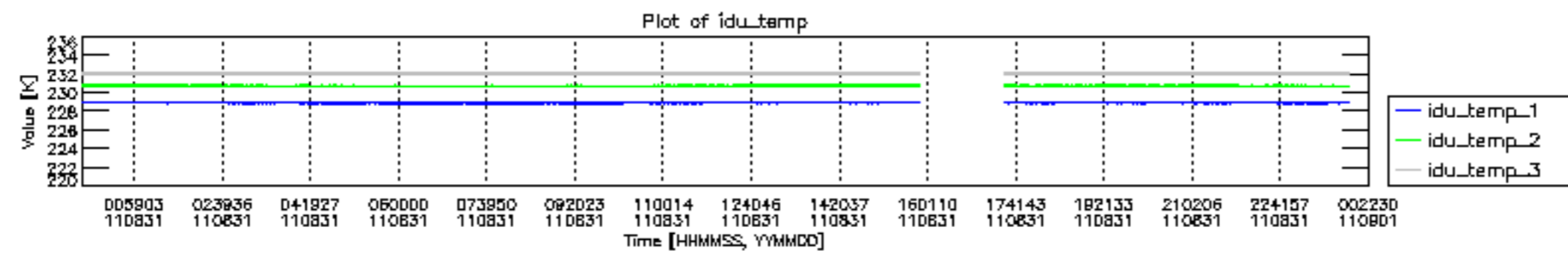
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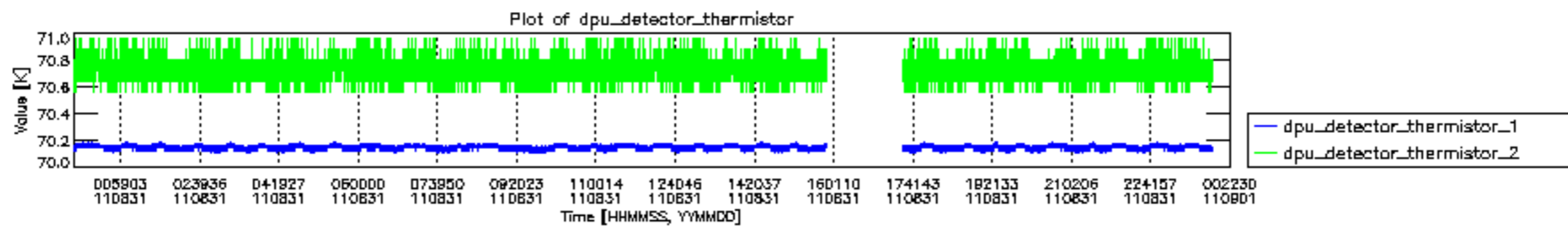


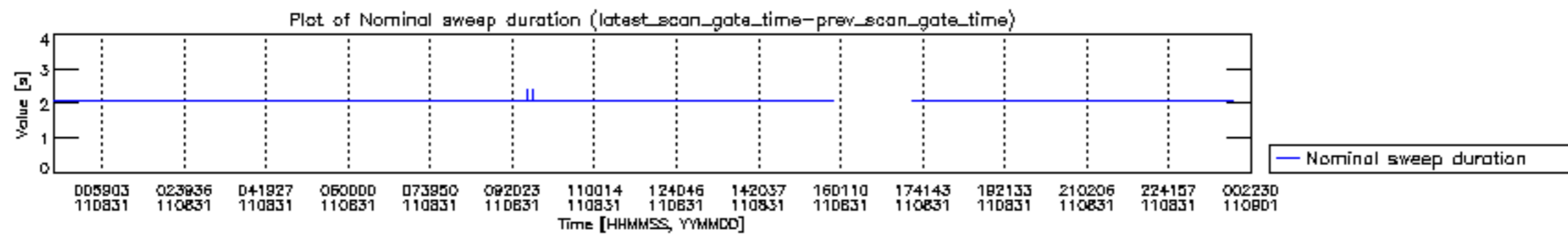
mipas_daily_report_level0_KSPT_L0_4504_N_20110831_13.PNG

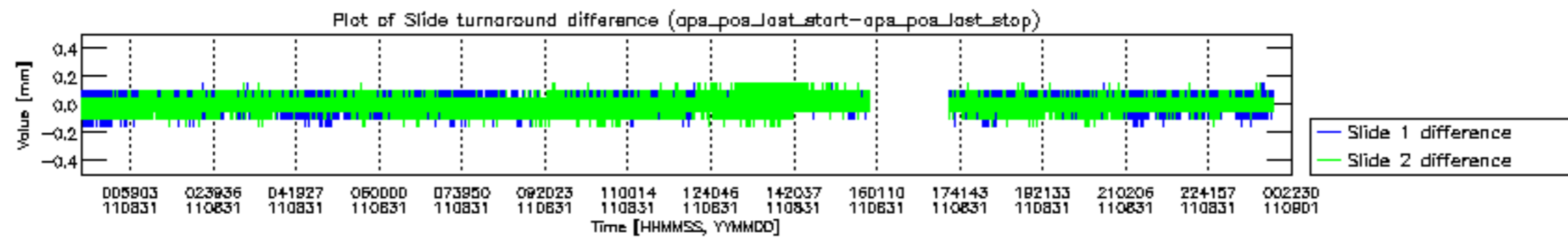


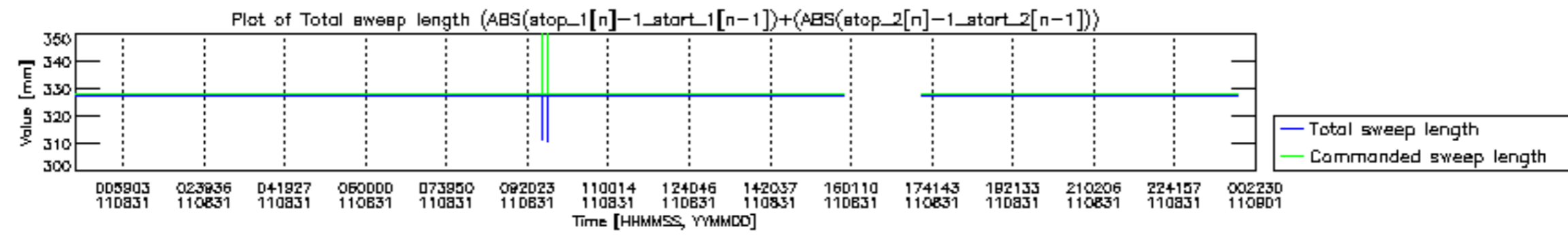


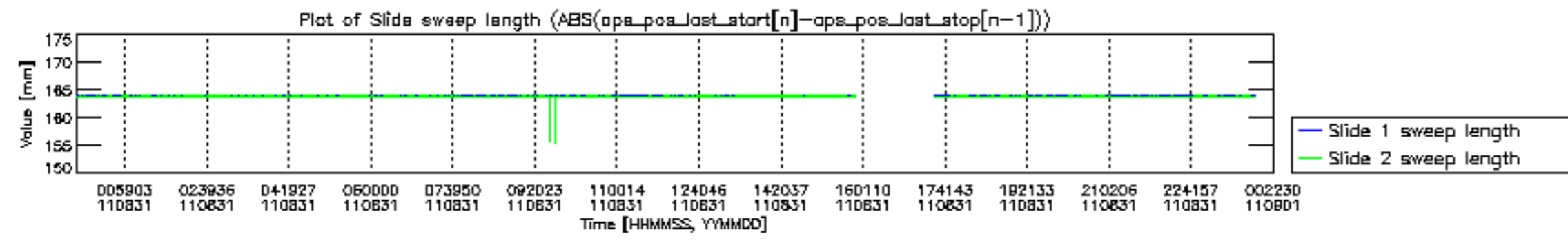


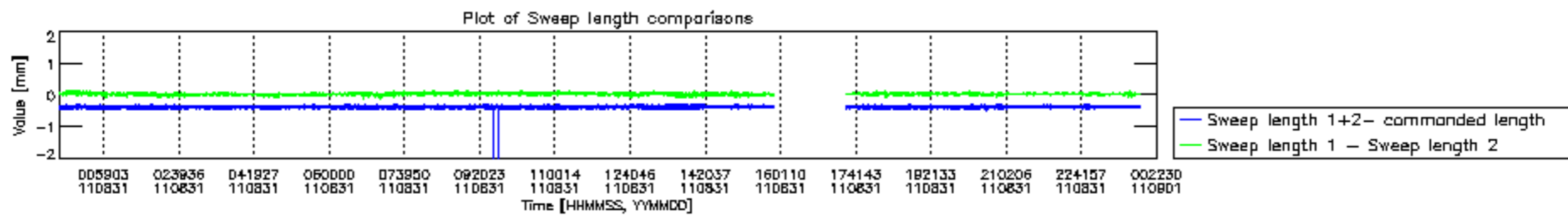


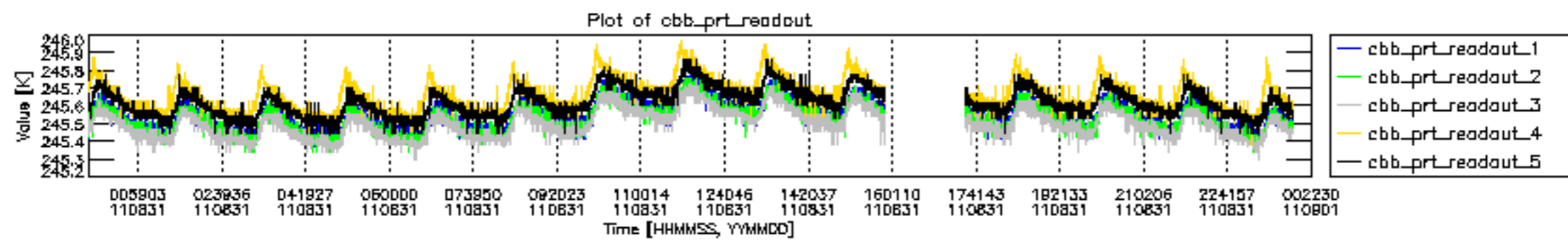


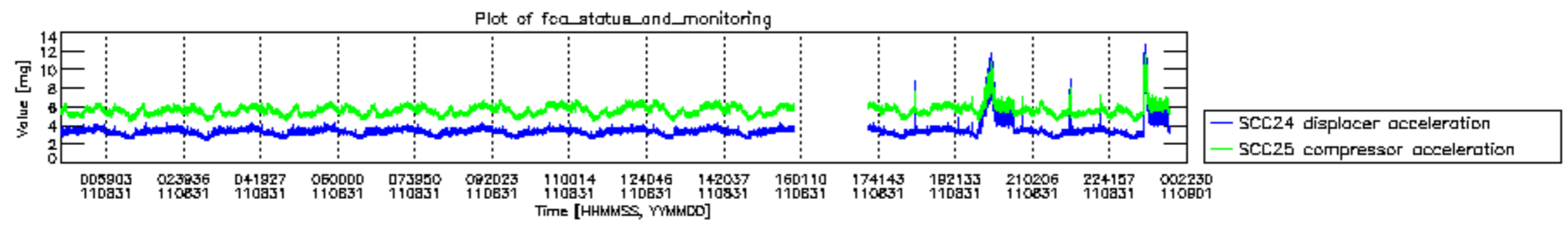












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

