

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	07JUL2011 05:20:55
Data source version	KSPT_L0/4504-N
Processing scope for products	02JUL2011 00:00:00 to 03JUL2011 00:00:00
Start time of first product within scope	02JUL2011 00:15:07
Stop time of last product within scope	03JUL2011 01:18:47
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__0PNPDE20110702_001507_000059143104_00102_48823_9151.N1	02JUL2011 00:15:07	02JUL2011 01:53:41	0	0	0	0	0
1	MIP_NL__0PNPDE20110702_015243_000044163104_00103_48824_9152.N1	02JUL2011 01:52:43	02JUL2011 03:06:19	0	0	0	0	0
2	MIP_NL__0PNPDE20110702_030548_000061883104_00104_48825_9153.N1	02JUL2011 03:05:48	02JUL2011 04:48:55	0	0	0	0	0
3	MIP_NL__0PNPDE20110702_044822_000059913104_00105_48826_9154.N1	02JUL2011 04:48:22	02JUL2011 06:28:13	0	0	0	0	0
4	MIP_NL__0PNPDK20110702_062738_000040993104_00106_48827_5644.N1	02JUL2011 06:27:38	02JUL2011 07:35:57	0	0	0	0	0
5	MIP_NL__0PNPDK20110702_073523_000061483104_00107_48828_5645.N1	02JUL2011 07:35:23	02JUL2011 09:17:51	0	0	0	0	0
6	MIP_NL__0PNPDK20110702_091710_000059513104_00108_48829_5646.N1	02JUL2011 09:17:10	02JUL2011 10:56:21	0	0	0	0	0
7	MIP_NL__0PNPDK20110702_105539_000060423104_00109_48830_5647.N1	02JUL2011 10:55:39	02JUL2011 12:36:21	0	0	0	0	0
8	MIP_NL__0PNPDK20110702_123537_000059023104_00110_48831_5648.N1	02JUL2011 12:35:37	02JUL2011 14:13:59	0	0	0	0	0
9	MIP_NL__0PNPDK20110702_141325_000059223104_00111_48832_5649.N1	02JUL2011 14:13:25	02JUL2011 15:52:08	0	0	0	0	0
10	MIP_NL__0PNPDK20110702_155126_000058223104_00112_48833_5650.N1	02JUL2011 15:51:26	02JUL2011 17:28:28	0	0	0	0	0
11	MIP_NL__0PNPDK20110702_172736_000059043104_00113_48834_5651.N1	02JUL2011 17:27:36	02JUL2011 19:05:59	0	0	0	0	0
12	MIP_NL__0PNPDK20110702_190501_000061363104_00114_48835_5652.N1	02JUL2011 19:05:01	02JUL2011 20:47:16	0	0	0	0	0
13	MIP_NL__0PNPDE20110702_204620_000042763104_00115_48836_9155.N1	02JUL2011 20:46:20	02JUL2011 21:57:36	0	0	0	0	0
14	MIP_NL__0PNPDE20110702_215638_000061233104_00115_48836_9156.N1	02JUL2011 21:56:38	02JUL2011 23:38:41	0	0	0	0	0
15	MIP_NL__0PNPDE20110702_233742_000060643104_00116_48837_9157.N1	02JUL2011 23:37:42	03JUL2011 01:18:47	0	0	0	0	0

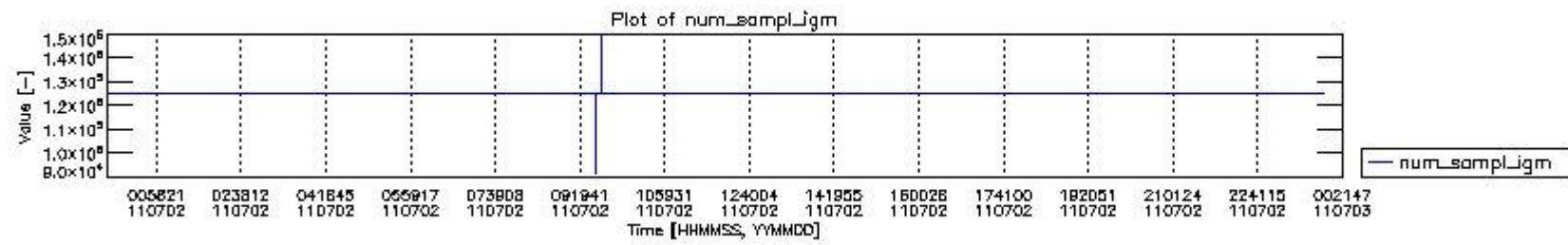
0.2 Instrument Operational Performance Parameters

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.

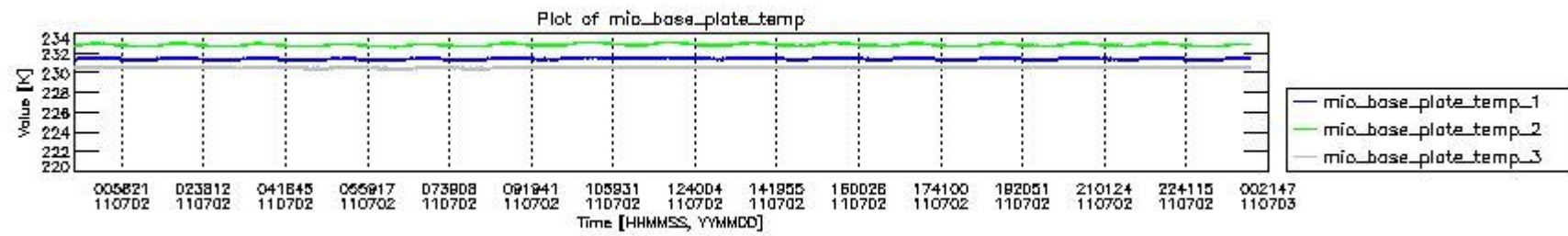
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
91962	1	0.0024067389
98315	1	0.0024067389

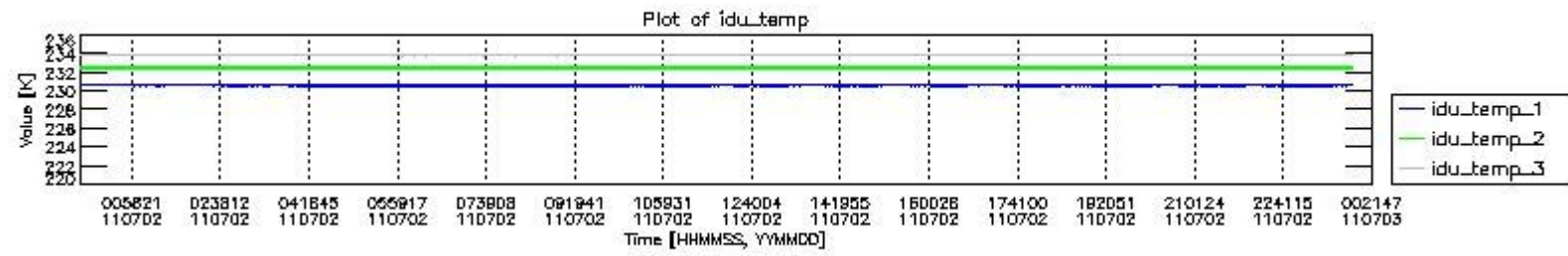
118447	1	0.0024067389
124800	38594	92.885680
124803	2950	7.0998797
127308	1	0.0024067389
147440	1	0.0024067389
149948	1	0.0024067389



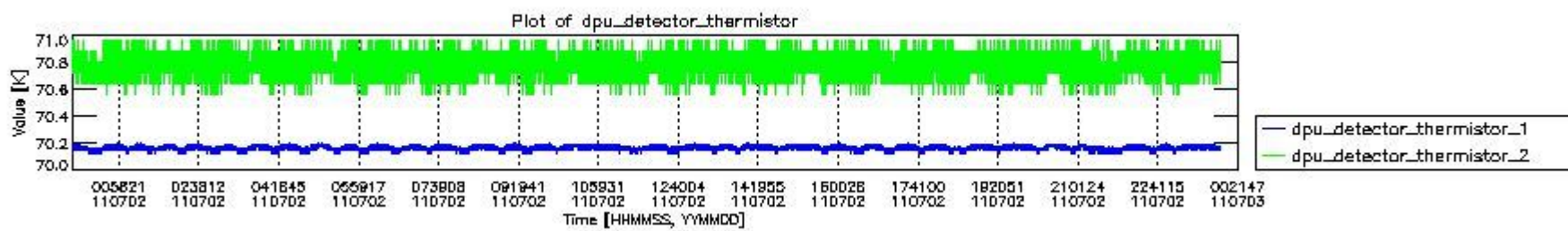
mipas_daily_report_level0_KSPT_L0_4504_N_20110702_0.PNG



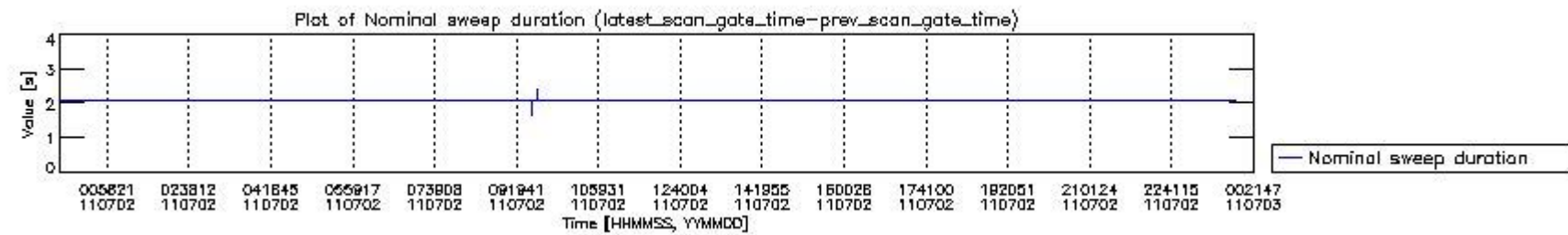
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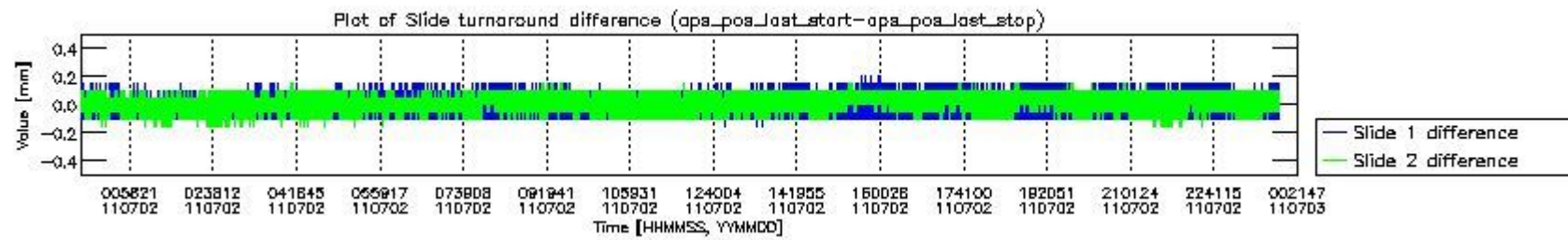
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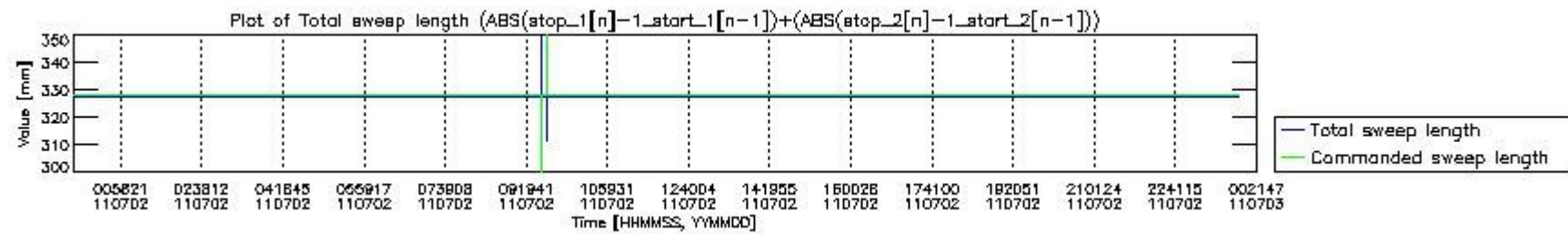
mipas_daily_report_level0_KSPT_L0_4504_N_20110702_3.PNG



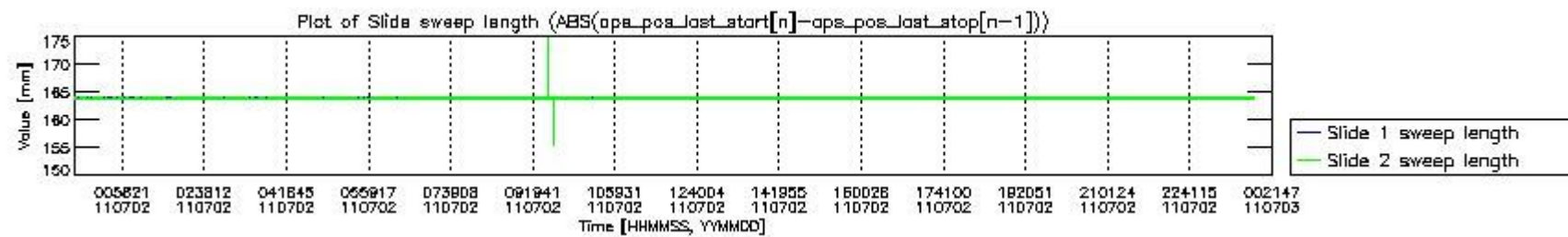
mipas_daily_report_level0_KSPT_L0_4504_N_20110702_4.PNG



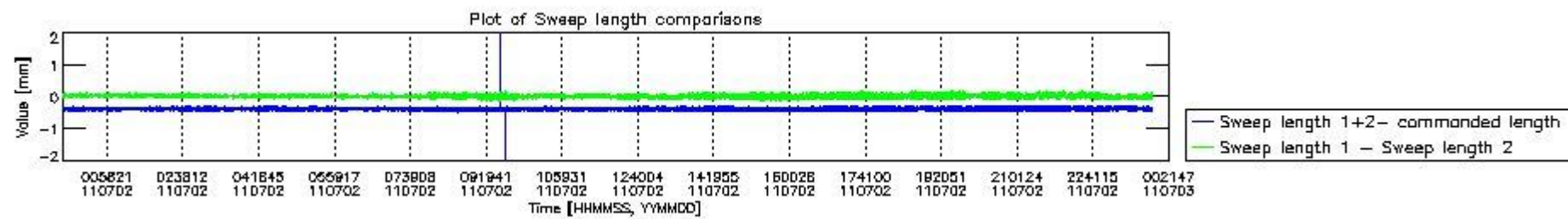
mipas_daily_report_level0_KSPT_L0_4504_N_20110702_5.PNG



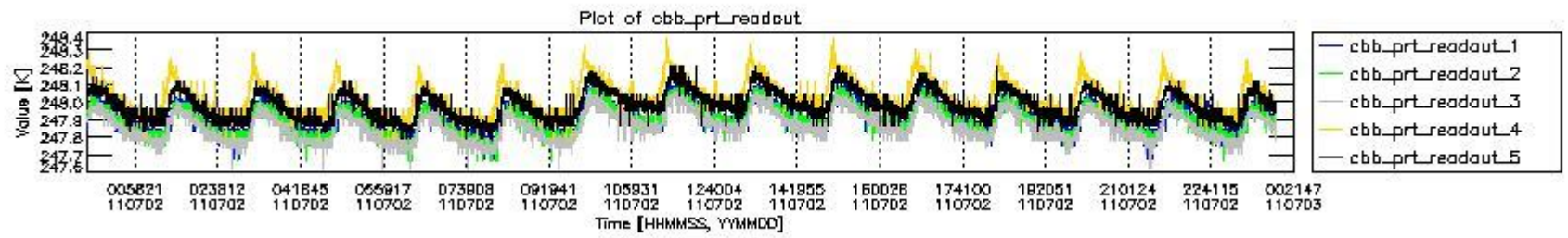
mipas_daily_report_level0_KSPT_L0_4504_N_20110702_6.PNG



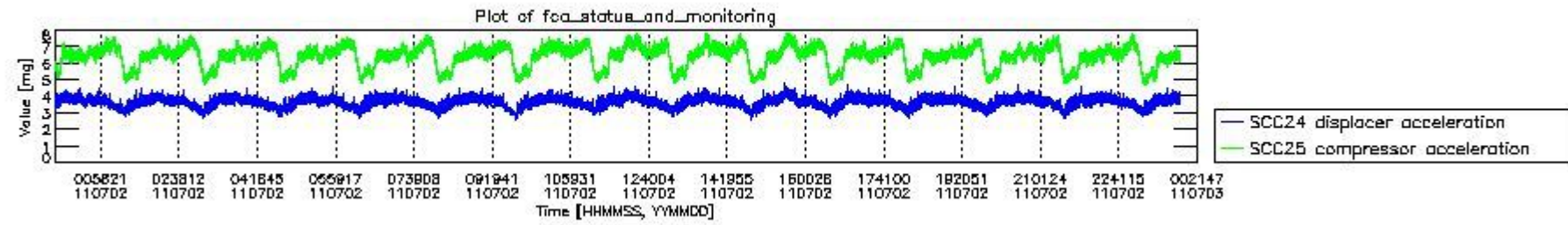
mipas_daily_report_level0_KSPT_L0_4504_N_20110702_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110702_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110702_9.PNG

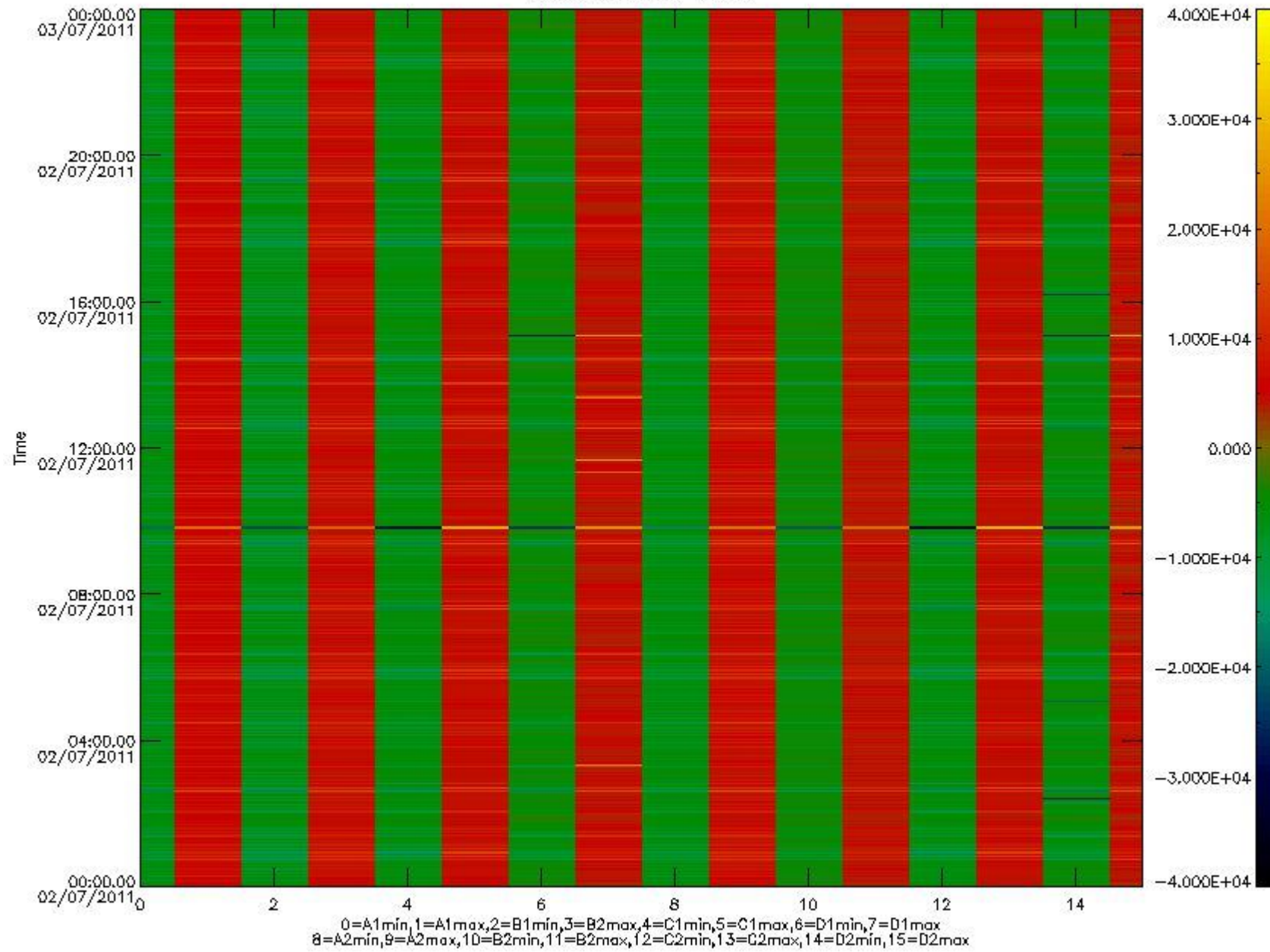


mipas_daily_report_level0_KSPT_L0_4504_N_20110702_10.PNG

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

Channel	Min	Max	ADC
A1	-19025	20223	16bit
B1	-21973	18748	16bit
C1	-28230	28263	16bit
D1	-32768	32767	16bit
A2	-16400	20384	16bit
B2	-20340	19877	16bit
C2	-29318	29108	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_20110702_11.PNG

0.3 ADF monitoring

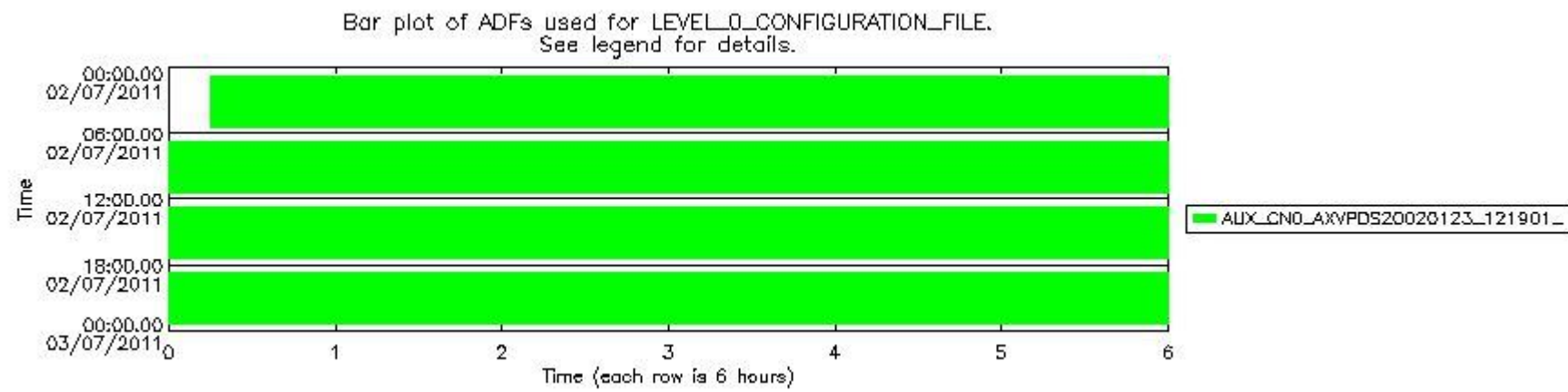
The use of ADFs is shown in two ways:

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.

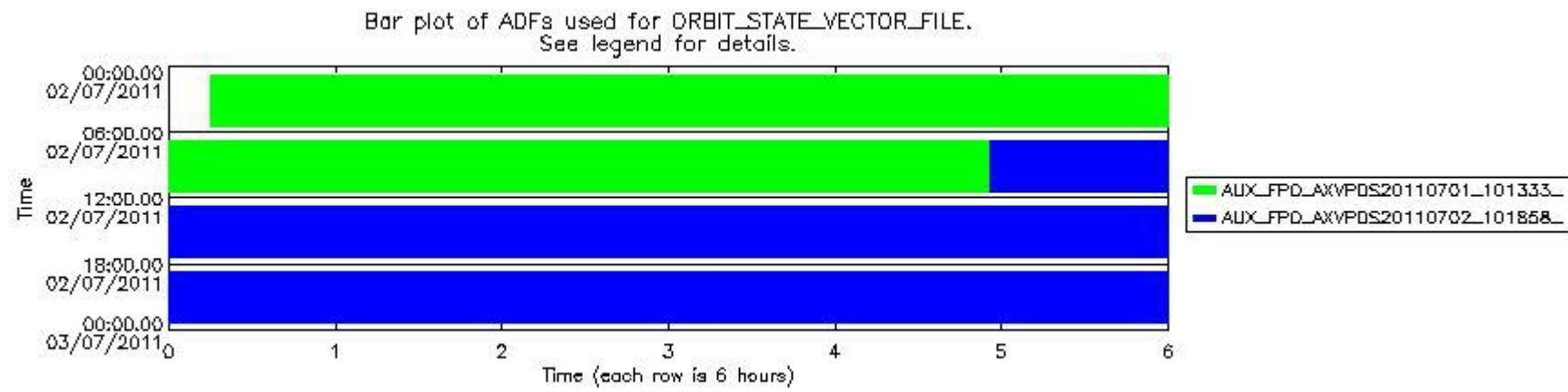
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110701_101333_20110630_182210_20110710_203557
2	AUX_FPO_AXVPDS20110702_101858_20110701_192539_20110711_213926

Number	Product name	#CN0	#FPO
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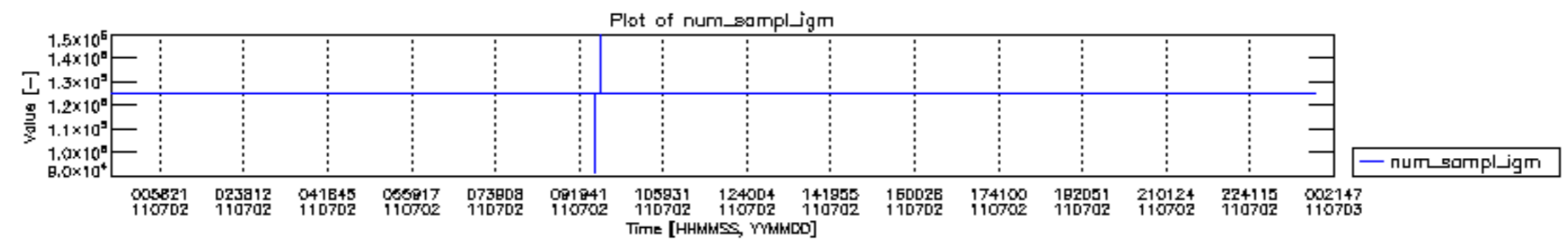
0	MIP_NL__0PNPDE20110702_001507_000059143104_00102_48823_9151.N1	0	1
1	MIP_NL__0PNPDE20110702_015243_000044163104_00103_48824_9152.N1	0	1
2	MIP_NL__0PNPDE20110702_030548_000061883104_00104_48825_9153.N1	0	1
3	MIP_NL__0PNPDE20110702_044822_000059913104_00105_48826_9154.N1	0	1
4	MIP_NL__0PNPDK20110702_062738_000040993104_00106_48827_5644.N1	0	1
5	MIP_NL__0PNPDK20110702_073523_000061483104_00107_48828_5645.N1	0	1
6	MIP_NL__0PNPDK20110702_091710_000059513104_00108_48829_5646.N1	0	1
7	MIP_NL__0PNPDK20110702_105539_000060423104_00109_48830_5647.N1	0	2
8	MIP_NL__0PNPDK20110702_123537_000059023104_00110_48831_5648.N1	0	2
9	MIP_NL__0PNPDK20110702_141325_000059223104_00111_48832_5649.N1	0	2
10	MIP_NL__0PNPDK20110702_155126_000058223104_00112_48833_5650.N1	0	2
11	MIP_NL__0PNPDK20110702_172736_000059043104_00113_48834_5651.N1	0	2
12	MIP_NL__0PNPDK20110702_190501_000061363104_00114_48835_5652.N1	0	2
13	MIP_NL__0PNPDE20110702_204620_000042763104_00115_48836_9155.N1	0	2
14	MIP_NL__0PNPDE20110702_215638_000061233104_00115_48836_9156.N1	0	2
15	MIP_NL__0PNPDE20110702_233742_000060643104_00116_48837_9157.N1	0	2

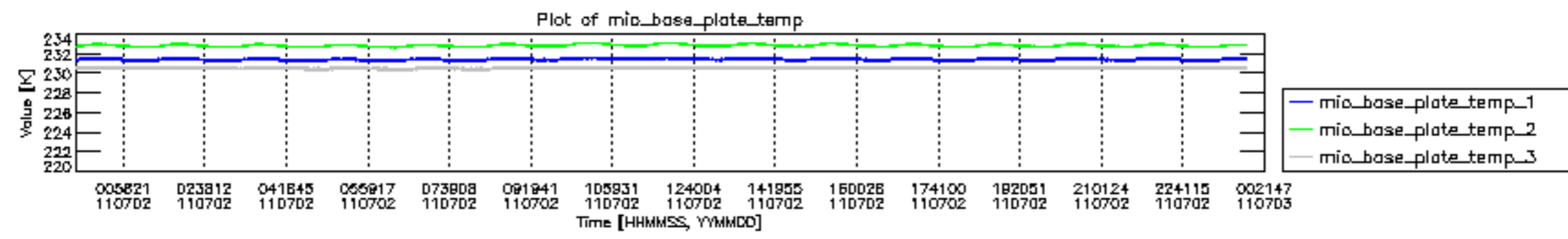


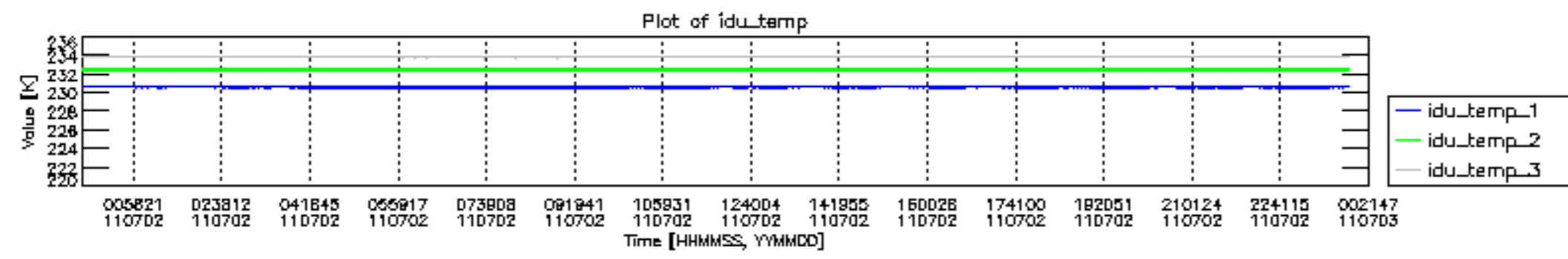
mipas_daily_report_level0_KSPT_L0_4504_N_20110702_12.PNG

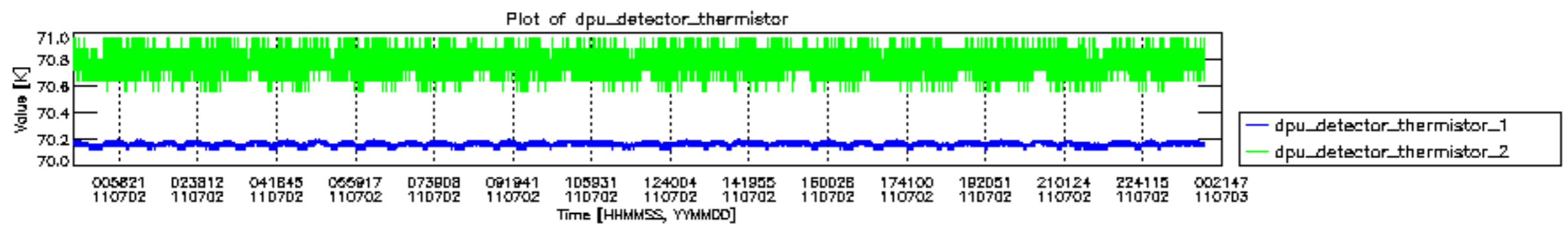


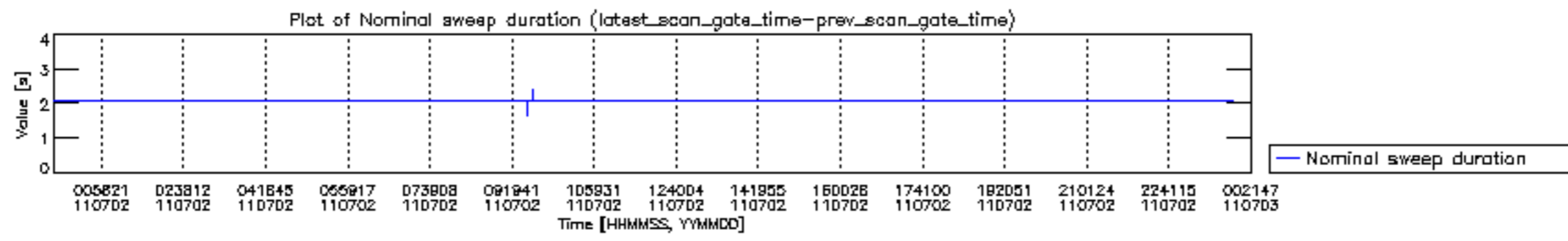
mipas_daily_report_level0_KSPT_L0_4504_N_20110702_13.PNG

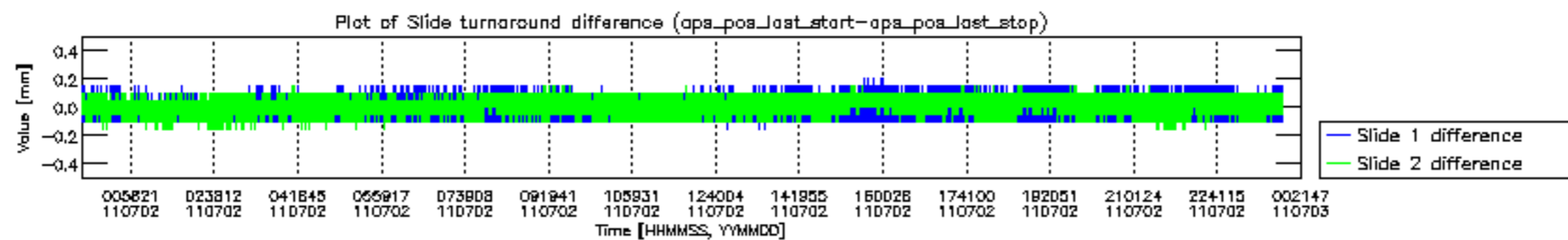


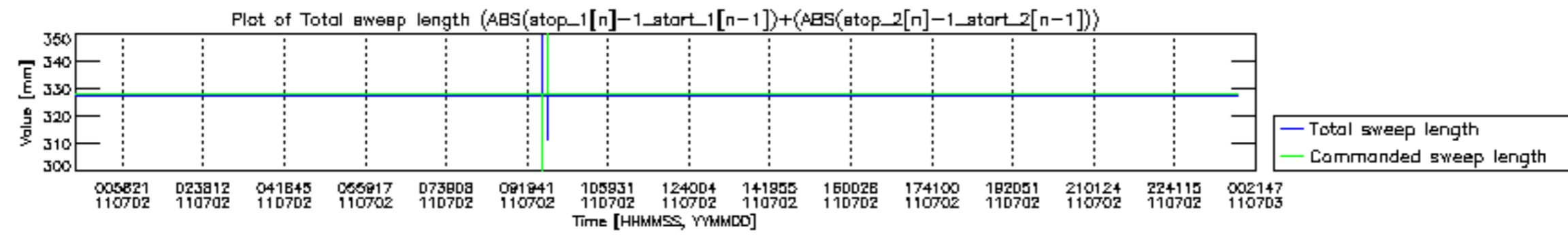


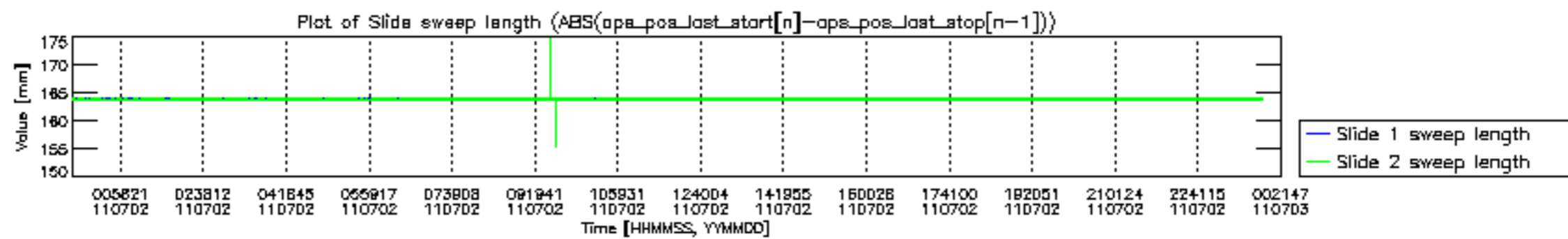


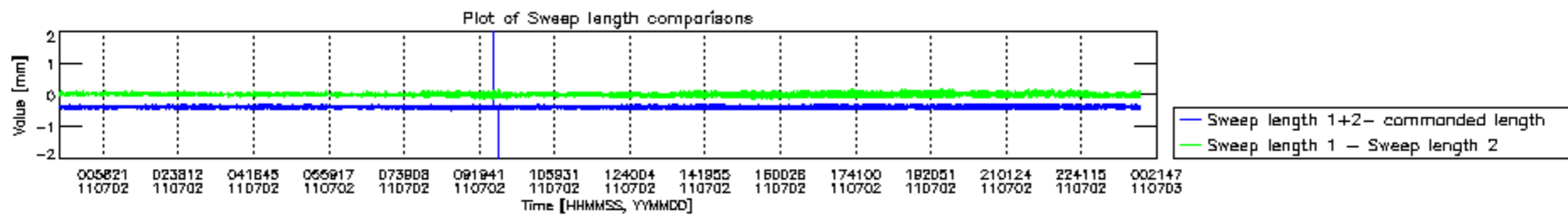


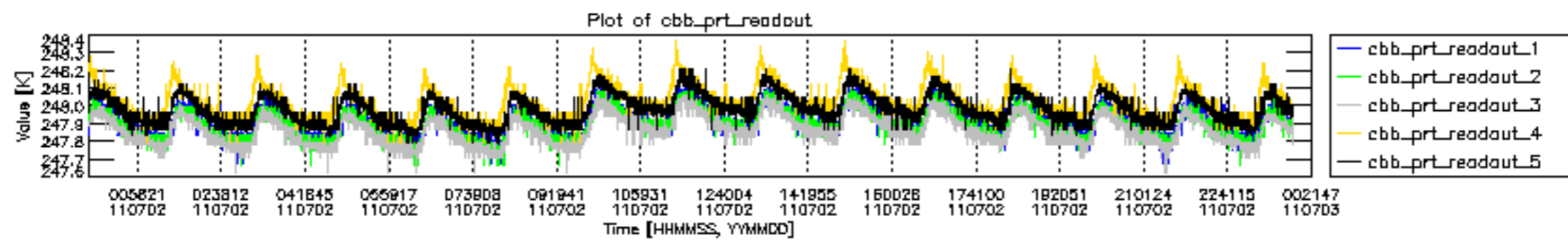


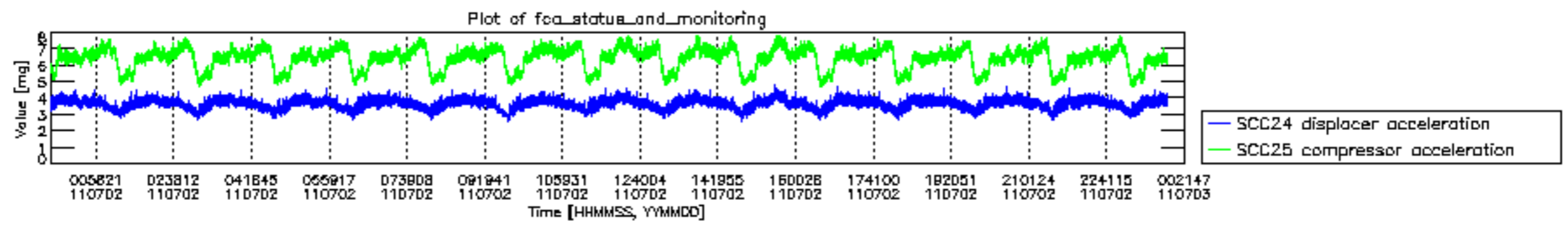












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

