

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	14AUG2011 05:24:42
Data source version	KSPT_L0/4504-N
Processing scope for products	09AUG2011 00:00:00 to 10AUG2011 00:00:00
Start time of first product within scope	09AUG2011 00:21:22
Stop time of last product within scope	10AUG2011 01:25:54
Total number of level 0 products	17
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__0PNPDE20110809_002122_000059243105_00217_49369_9401.N1	09AUG2011 00:21:22	09AUG2011 02:00:06	0	0	0	0	0
1	MIP_NL__0PNPDE20110809_015912_000045123105_00218_49370_9402.N1	09AUG2011 01:59:12	09AUG2011 03:14:24	0	0	0	0	0
2	MIP_NL__0PNPDE20110809_031351_000061123105_00219_49371_9403.N1	09AUG2011 03:13:51	09AUG2011 04:55:43	0	0	0	0	0
3	MIP_NL__0PNPDE20110809_045510_000060603105_00220_49372_9404.N1	09AUG2011 04:55:10	09AUG2011 06:36:10	0	0	0	0	0
4	MIP_NL__0PNPDK20110809_063537_000040763105_00221_49373_6001.N1	09AUG2011 06:35:37	09AUG2011 07:43:32	0	0	0	0	0
5	MIP_NL__0PNPDK20110809_074259_000060933105_00222_49374_6002.N1	09AUG2011 07:42:59	09AUG2011 09:24:32	0	0	0	0	0
6	MIP_NL__0PNPDK20110809_092348_000059543105_00223_49375_6003.N1	09AUG2011 09:23:48	09AUG2011 11:03:02	0	0	0	0	0
7	MIP_NL__0PNPDK20110809_110218_000060483105_00224_49376_6004.N1	09AUG2011 11:02:18	09AUG2011 12:43:06	0	0	0	0	0
8	MIP_NL__0PNPDK20110809_124232_000058783105_00225_49377_6005.N1	09AUG2011 12:42:32	09AUG2011 14:20:31	0	0	0	0	0
9	MIP_NL__0PNPDK20110809_141957_000059203105_00226_49378_6006.N1	09AUG2011 14:19:57	09AUG2011 15:58:38	0	0	0	0	0
10	MIP_NL__0PNPDK20110809_155804_000058893105_00227_49379_6007.N1	09AUG2011 15:58:04	09AUG2011 17:36:13	0	0	0	0	0
11	MIP_NL__0PNPDK20110809_173517_000058853105_00228_49380_6008.N1	09AUG2011 17:35:17	09AUG2011 19:13:22	0	0	0	0	0
12	MIP_NL__0PNPDK20110809_191225_000008003105_00229_49381_6009.N1	09AUG2011 19:12:25	09AUG2011 19:25:45	0	0	0	0	0
13	MIP_NL__0PNPDK20110809_192545_000052353105_00229_49381_6010.N1	09AUG2011 19:25:45	09AUG2011 20:53:01	0	0	0	0	0
14	MIP_NL__0PNPDE20110809_205129_000043873105_00230_49382_9405.N1	09AUG2011 20:51:29	09AUG2011 22:04:36	0	0	0	0	0
15	MIP_NL__0PNPDE20110809_220337_000061213105_00230_49382_9406.N1	09AUG2011 22:03:37	09AUG2011 23:45:38	0	0	0	0	0
16	MIP_NL__0PNPDE20110809_234433_000060813105_00231_49383_9407.N1	09AUG2011 23:44:33	10AUG2011 01:25:54	0	0	0	0	0

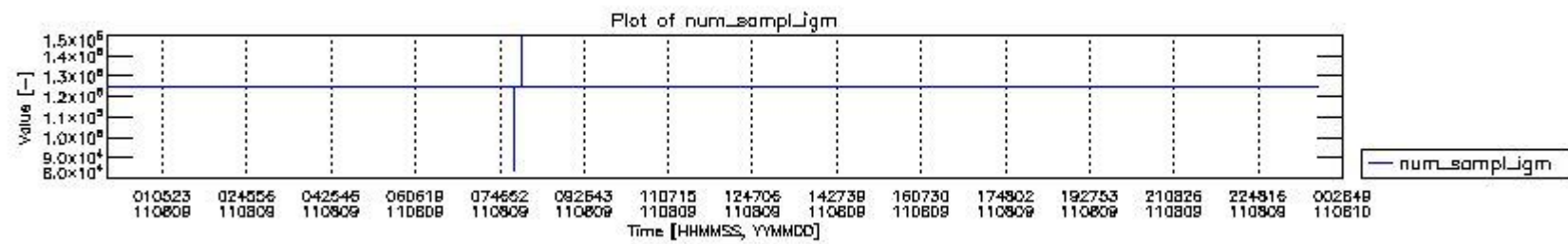
0.2 Instrument Operational Performance Parameters

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.

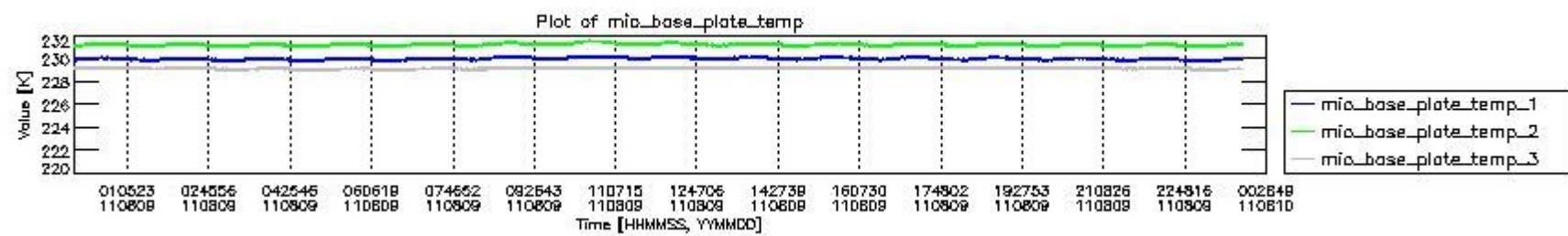
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
83636	1	0.0024038462

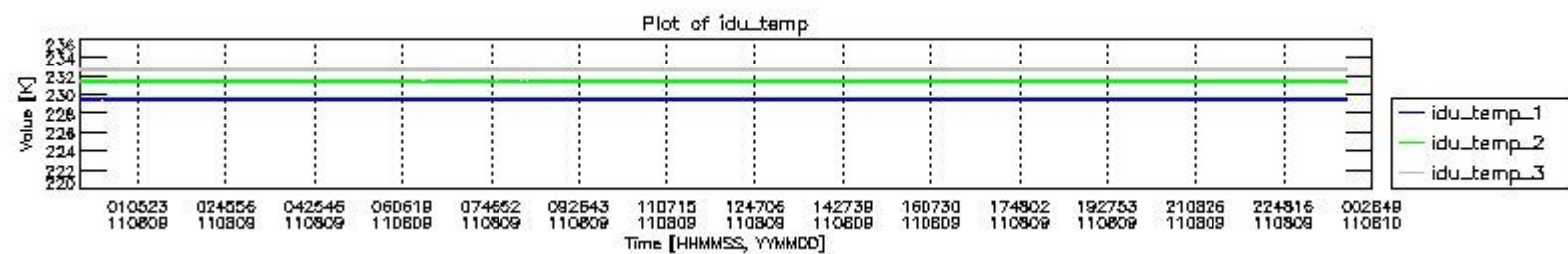
94152	1	0.0024038462
114284	1	0.0024038462
124800	38641	92.887019
124803	2953	7.0985577
127308	1	0.0024038462
147440	1	0.0024038462
149948	1	0.0024038462



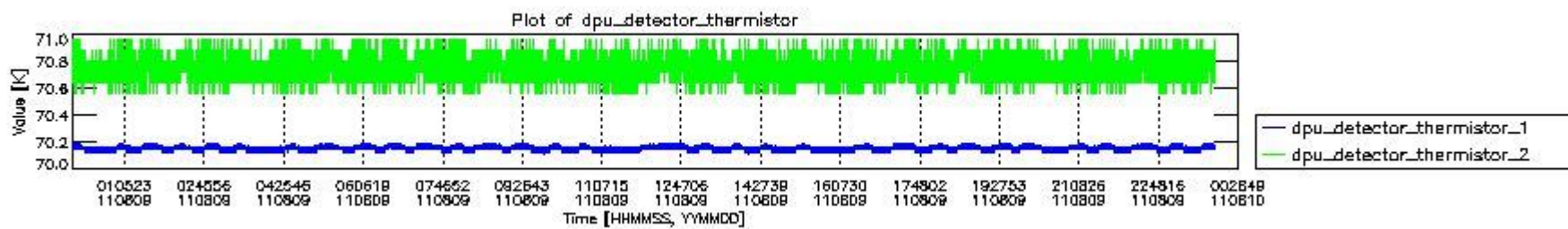
mipas_daily_report_level0_KSPT_L0_4504_N_20110809_0.PNG



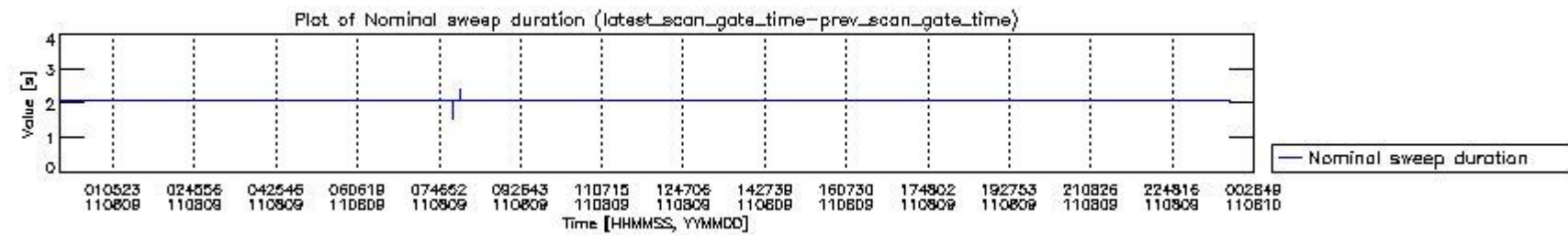
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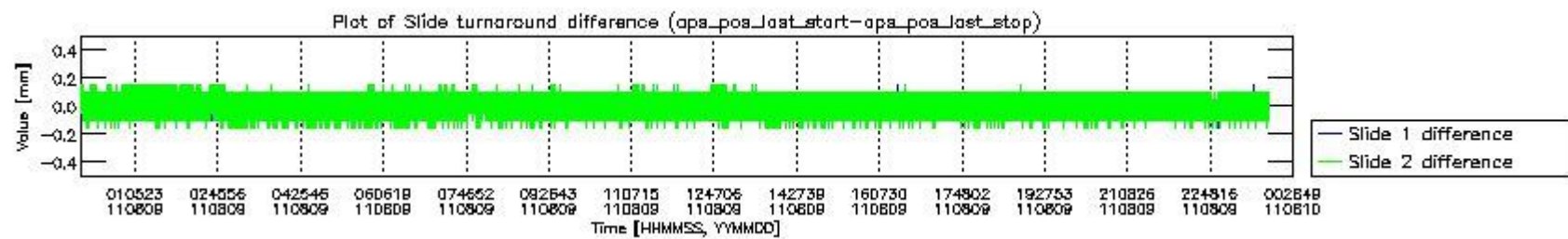
mipas_daily_report_level0_KSPT_L0_4504_N_20110809_2.PNG



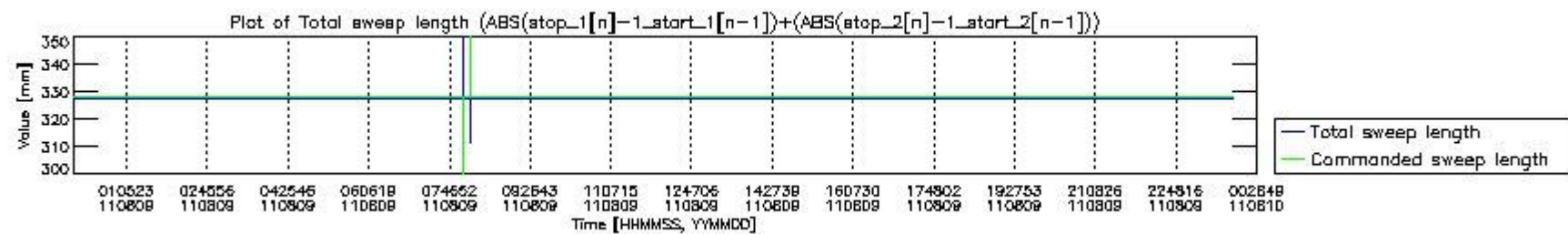
mipas_daily_report_level0_KSPT_L0_4504_N_20110809_3.PNG



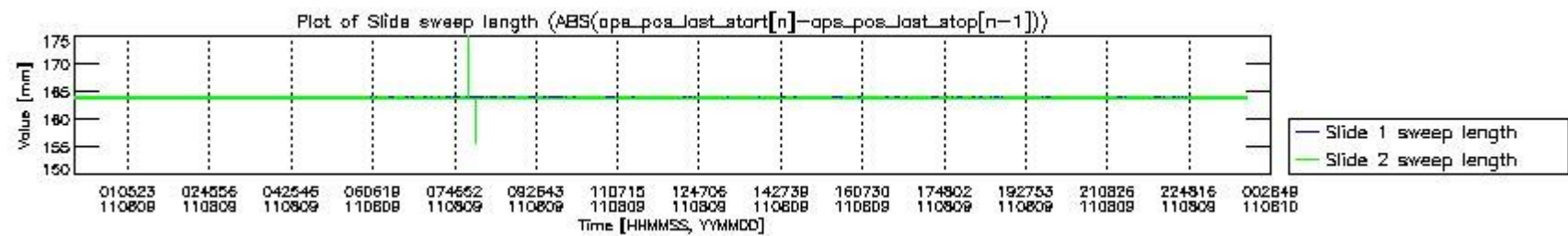
mipas_daily_report_level0_KSPT_L0_4504_N_20110809_4.PNG



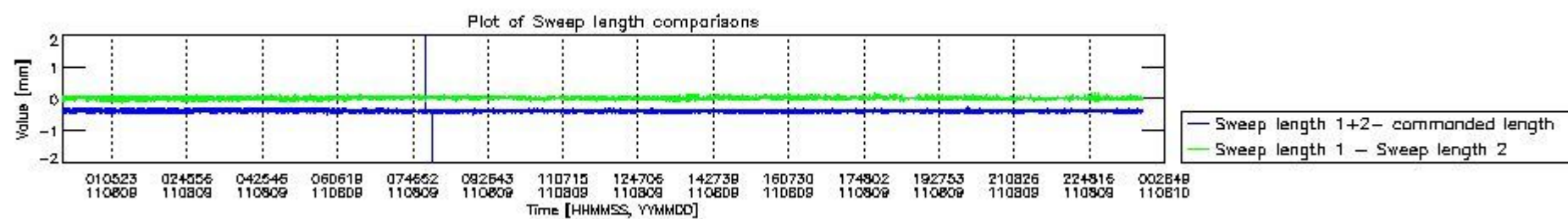
mipas_daily_report_level0_KSPT_L0_4504_N_20110809_5.PNG



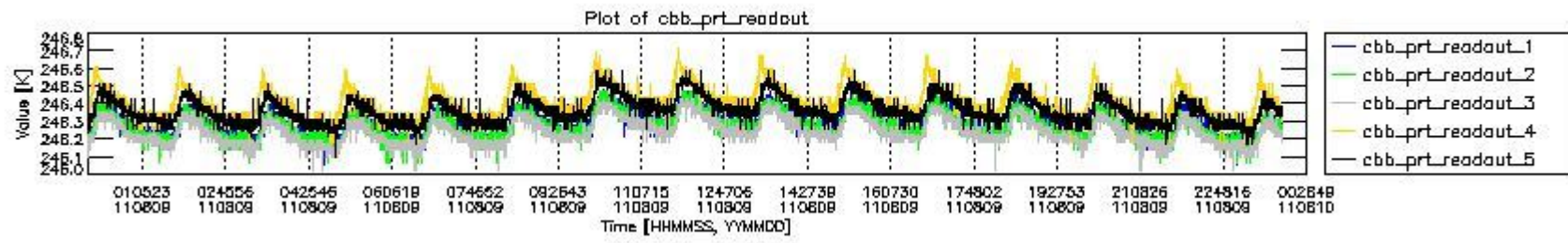
mipas_daily_report_level0_KSPT_L0_4504_N_20110809_6.PNG



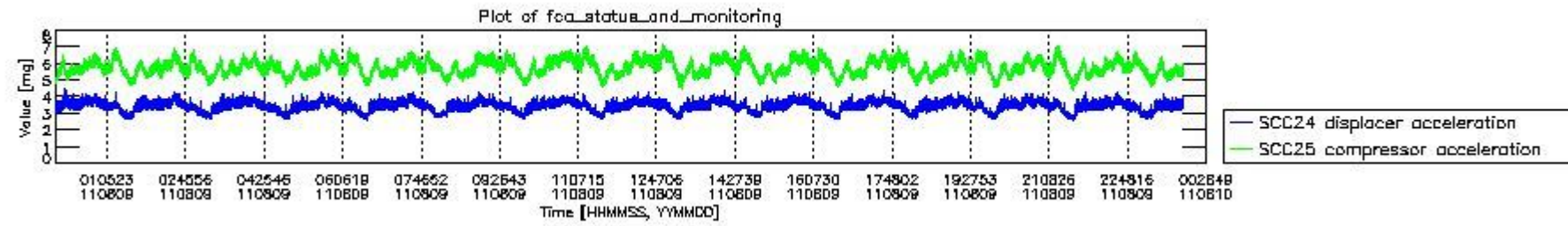
mipas_daily_report_level0_KSPT_L0_4504_N_20110809_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110809_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110809_9.PNG

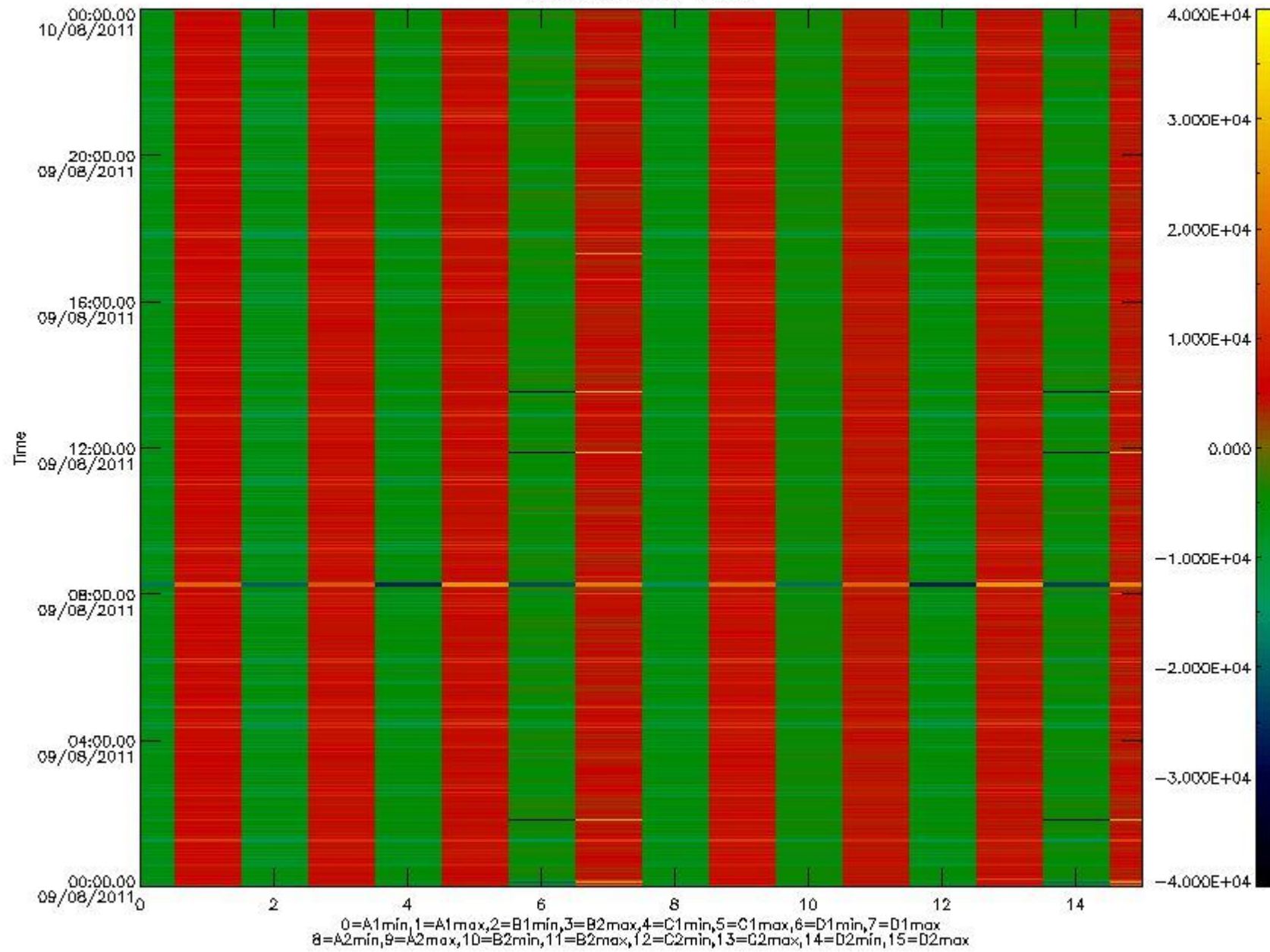


mipas_daily_report_level0_KSPT_L0_4504_N_20110809_10.PNG

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

Channel	Min	Max	ADC
A1	-18668	19753	16bit
B1	-20985	18042	16bit
C1	-26519	26499	16bit
D1	-32768	32767	16bit
A2	-15968	19725	16bit
B2	-19259	18875	16bit
C2	-27622	27741	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_20110809_11.PNG

0.3 ADF monitoring

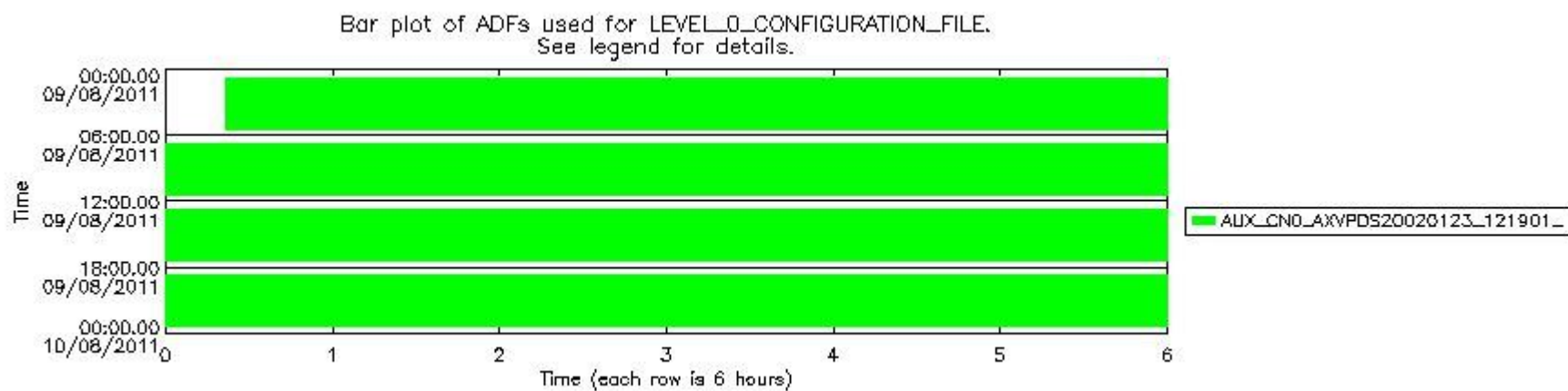
The use of ADFs is shown in two ways:

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.

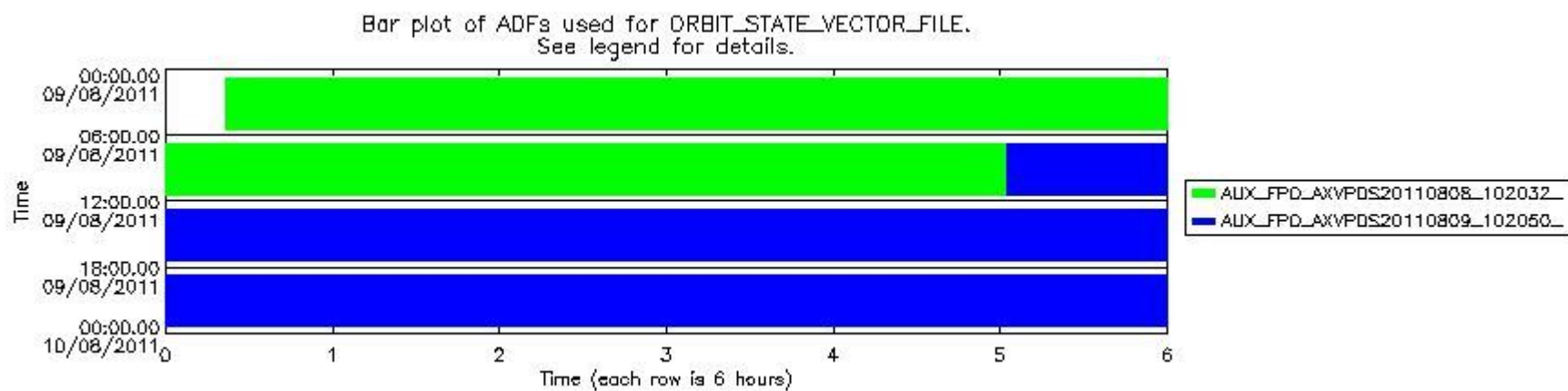
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110808_102032_20110807_182923_20110817_204309
2	AUX_FPO_AXVPDS20110809_102050_20110808_193252_20110818_200625

Number	Product name	#CN0	#FPO
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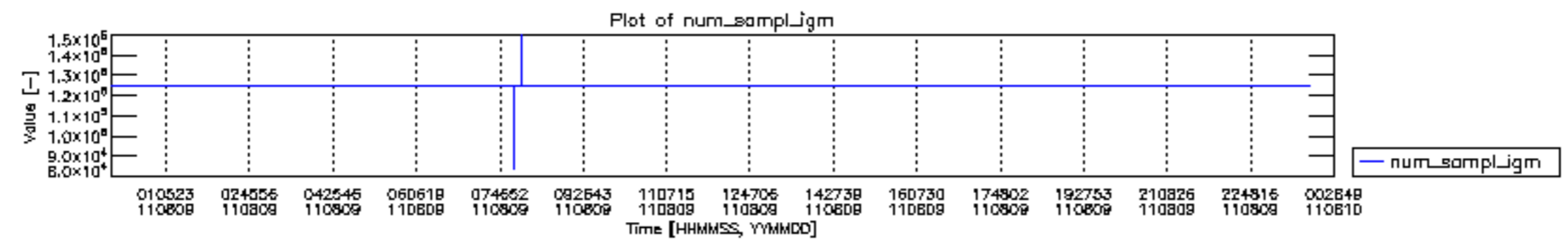
0	MIP_NL__0PNPDE20110809_002122_000059243105_00217_49369_9401.N1	0	1
1	MIP_NL__0PNPDE20110809_015912_000045123105_00218_49370_9402.N1	0	1
2	MIP_NL__0PNPDE20110809_031351_000061123105_00219_49371_9403.N1	0	1
3	MIP_NL__0PNPDE20110809_045510_000060603105_00220_49372_9404.N1	0	1
4	MIP_NL__0PNPDK20110809_063537_000040763105_00221_49373_6001.N1	0	1
5	MIP_NL__0PNPDK20110809_074259_000060933105_00222_49374_6002.N1	0	1
6	MIP_NL__0PNPDK20110809_092348_000059543105_00223_49375_6003.N1	0	1
7	MIP_NL__0PNPDK20110809_110218_000060483105_00224_49376_6004.N1	0	2
8	MIP_NL__0PNPDK20110809_124232_000058783105_00225_49377_6005.N1	0	2
9	MIP_NL__0PNPDK20110809_141957_000059203105_00226_49378_6006.N1	0	2
10	MIP_NL__0PNPDK20110809_155804_000058893105_00227_49379_6007.N1	0	2
11	MIP_NL__0PNPDK20110809_173517_000058853105_00228_49380_6008.N1	0	2
12	MIP_NL__0PNPDK20110809_191225_000080003105_00229_49381_6009.N1	0	2
13	MIP_NL__0PNPDK20110809_192545_000052353105_00229_49381_6010.N1	0	2
14	MIP_NL__0PNPDE20110809_205129_000043873105_00230_49382_9405.N1	0	2
15	MIP_NL__0PNPDE20110809_220337_000061213105_00230_49382_9406.N1	0	2
16	MIP_NL__0PNPDE20110809_234433_000060813105_00231_49383_9407.N1	0	2

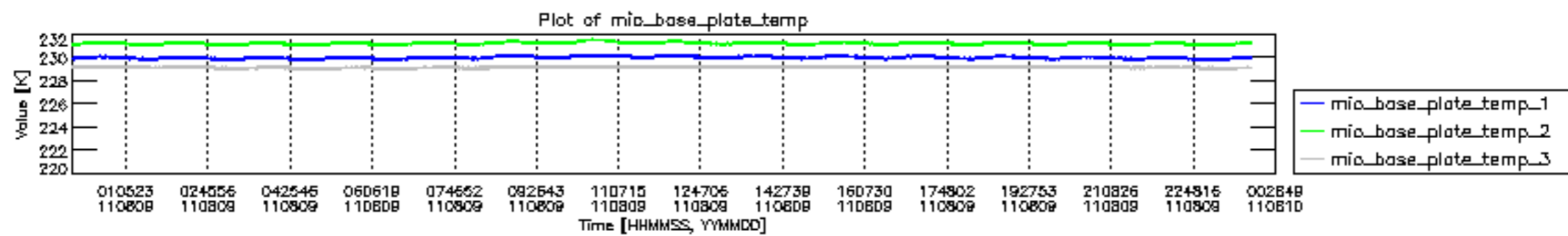


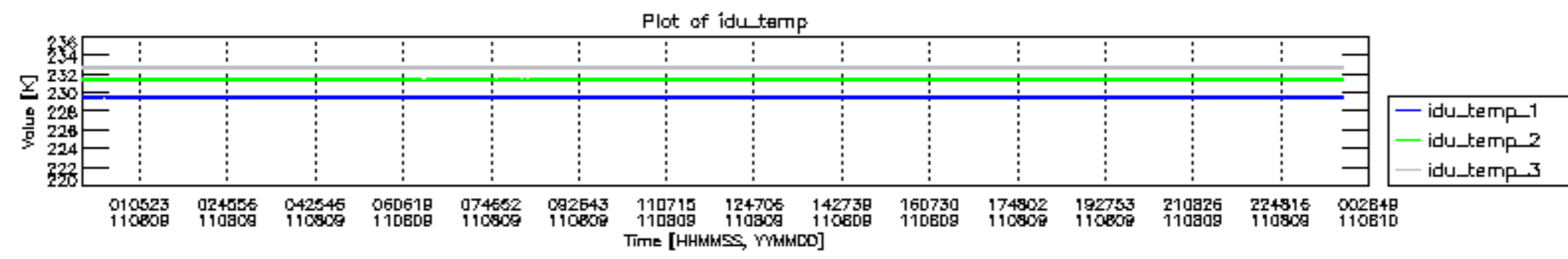
mipas_daily_report_level0_KSPT_L0_4504_N_20110809_12.PNG

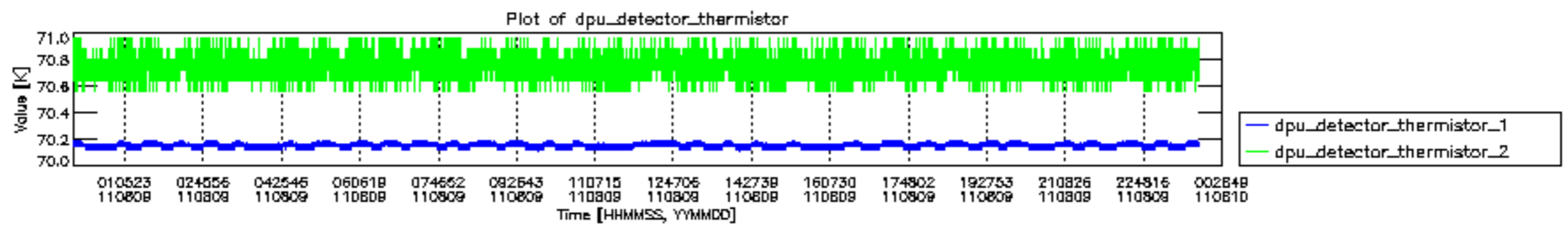


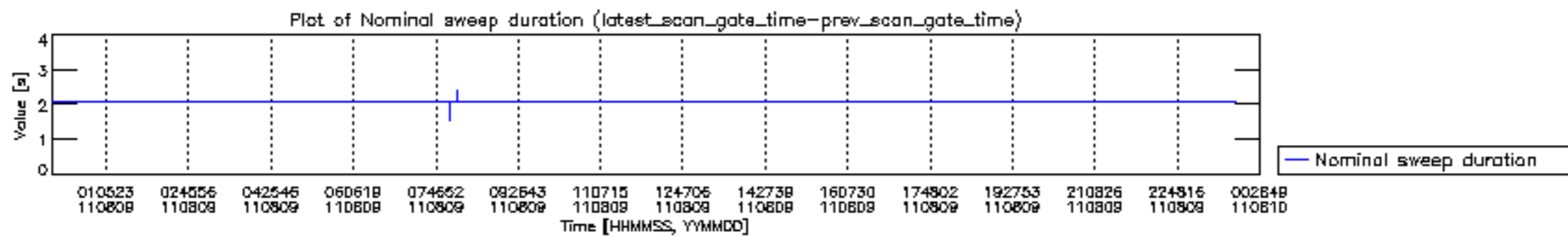
mipas_daily_report_level0_KSPT_L0_4504_N_20110809_13.PNG

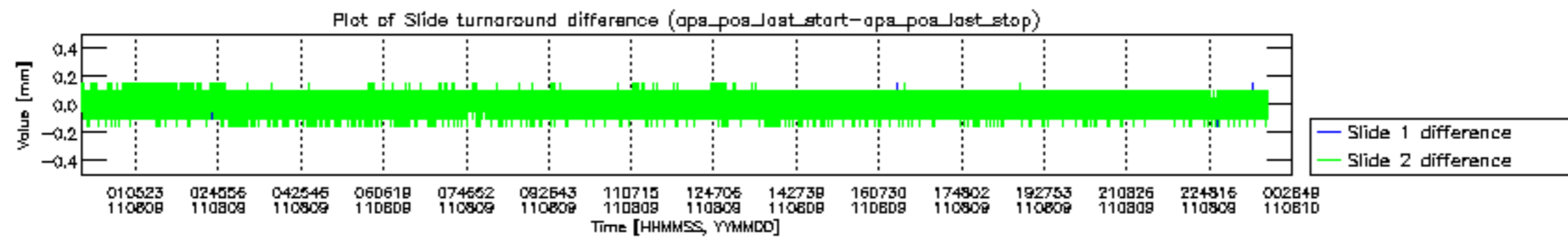


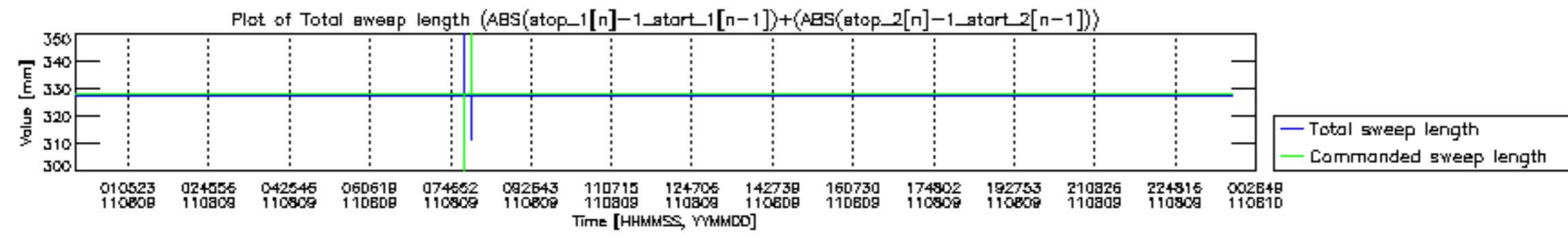


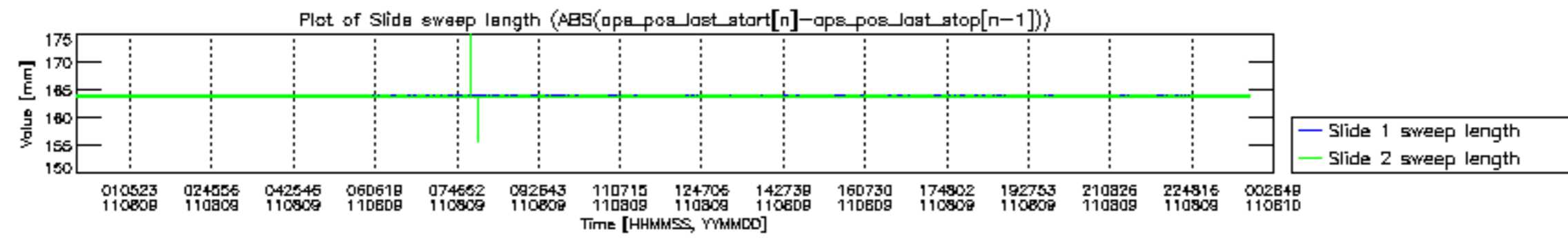


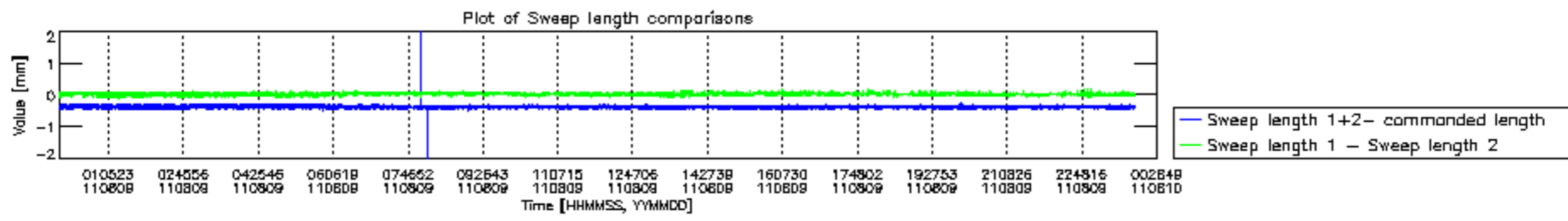


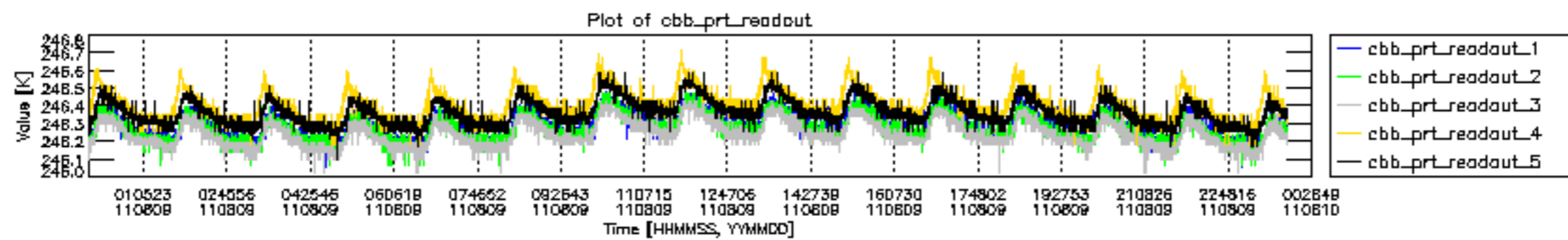


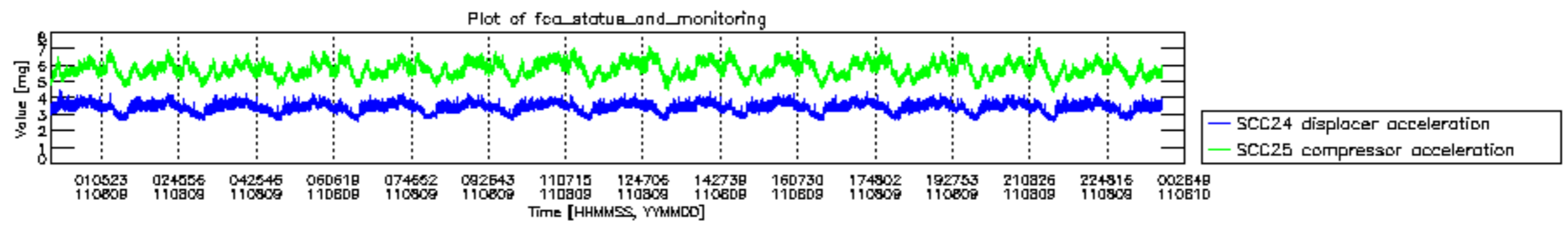












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

