

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	16MAY2011 05:22:12
Data source version	KSPT_L0/4504-N
Processing scope for products	11MAY2011 00:00:00 to 12MAY2011 00:00:00
Start time of first product within scope	11MAY2011 00:20:39
Stop time of last product within scope	12MAY2011 01:23:34
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__0PNPDE20110511_002039_000059183102_00217_48076_8737.N1	11MAY2011 00:20:39	11MAY2011 01:59:17	0	0	0	0	0
1	MIP_NL__0PNPDE20110511_015814_000044753102_00218_48077_8738.N1	11MAY2011 01:58:14	11MAY2011 03:12:49	0	0	0	0	0
2	MIP_NL__0PNPDE20110511_031216_000060963102_00219_48078_8739.N1	11MAY2011 03:12:16	11MAY2011 04:53:52	0	0	0	0	0
3	MIP_NL__0PNPDE20110511_045318_000060603102_00220_48079_8740.N1	11MAY2011 04:53:18	11MAY2011 06:34:18	0	0	0	0	0
4	MIP_NL__0PNPDK20110511_063345_000040903102_00221_48080_5172.N1	11MAY2011 06:33:45	11MAY2011 07:41:55	0	0	0	0	0
5	MIP_NL__0PNPDK20110511_074124_000060783102_00222_48081_5173.N1	11MAY2011 07:41:24	11MAY2011 09:22:42	0	0	0	0	0
6	MIP_NL__0PNPDK20110511_092202_000060103102_00223_48082_5174.N1	11MAY2011 09:22:02	11MAY2011 11:02:12	0	0	0	0	0
7	MIP_NL__0PNPDK20110511_110131_000059893102_00224_48083_5175.N1	11MAY2011 11:01:31	11MAY2011 12:41:20	0	0	0	0	0
8	MIP_NL__0PNPDK20110511_124049_000059273102_00225_48084_5176.N1	11MAY2011 12:40:49	11MAY2011 14:19:35	0	0	0	0	0
9	MIP_NL__0PNPDK20110511_141902_000059123102_00226_48085_5178.N1	11MAY2011 14:19:02	11MAY2011 15:57:34	0	0	0	0	0
10	MIP_NL__0PNPDK20110511_155652_000057743102_00227_48086_5179.N1	11MAY2011 15:56:52	11MAY2011 17:33:07	0	0	0	0	0
11	MIP_NL__0PNPDK20110511_173155_000059583102_00228_48087_5180.N1	11MAY2011 17:31:55	11MAY2011 19:11:13	0	0	0	0	0
12	MIP_NL__0PNPDK20110511_191000_000061313102_00229_48088_5181.N1	11MAY2011 19:10:00	11MAY2011 20:52:12	0	0	0	0	0
13	MIP_NL__0PNPDE20110511_205044_000043523102_00230_48089_8741.N1	11MAY2011 20:50:44	11MAY2011 22:03:15	0	0	0	0	0
14	MIP_NL__0PNPDE20110511_220213_000061843102_00230_48089_8742.N1	11MAY2011 22:02:13	11MAY2011 23:45:16	0	0	0	0	0
15	MIP_NL__0PNPDE20110511_234418_000059563102_00231_48090_8743.N1	11MAY2011 23:44:18	12MAY2011 01:23:34	0	0	0	0	0

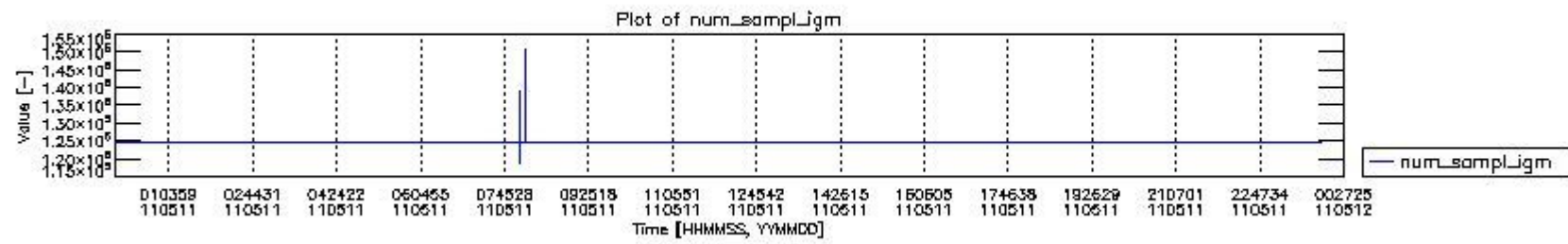
0.2 Instrument Operational Performance Parameters

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.

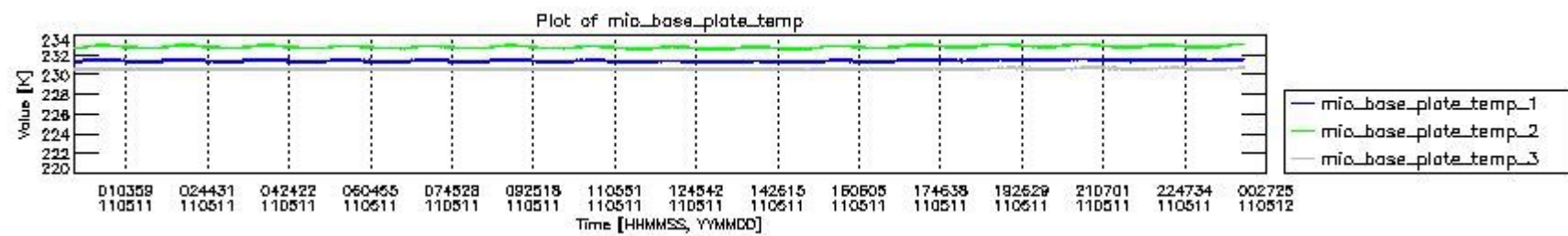
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
118833	1	0.0024047711
124800	38628	92.891497

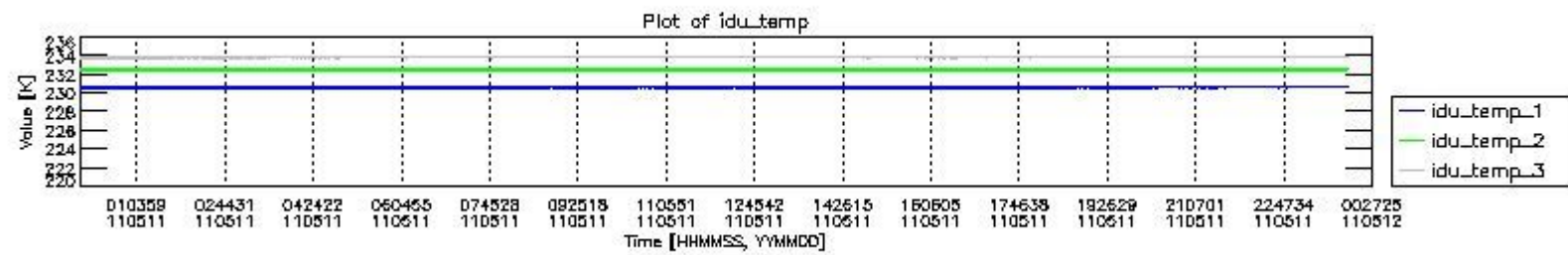
124803	2950	7.0940746
127679	1	0.0024047711
132998	1	0.0024047711
138965	1	0.0024047711
147811	1	0.0024047711
150690	1	0.0024047711



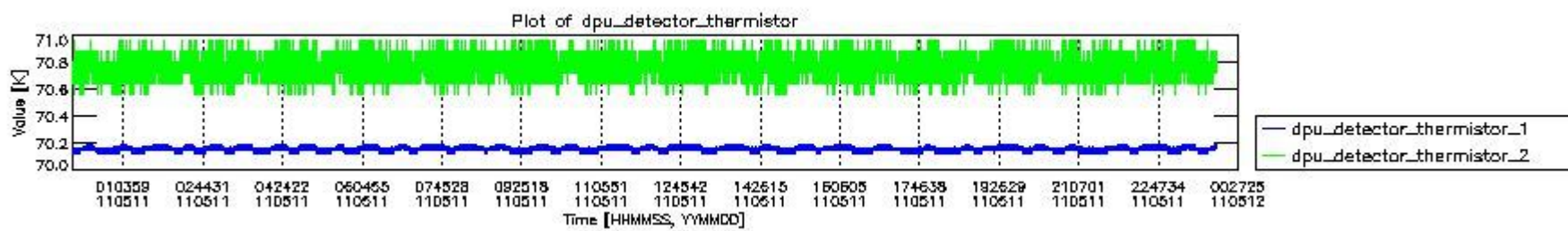
mipas_daily_report_level0_KSPT_L0_4504_N_20110511_0.PNG



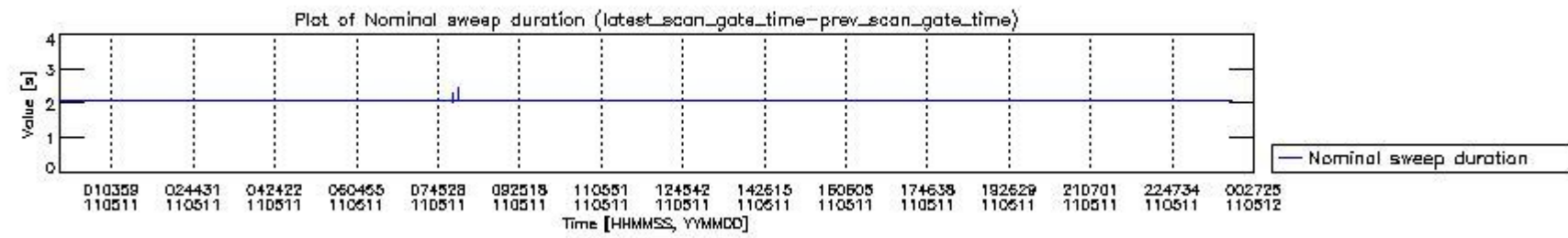
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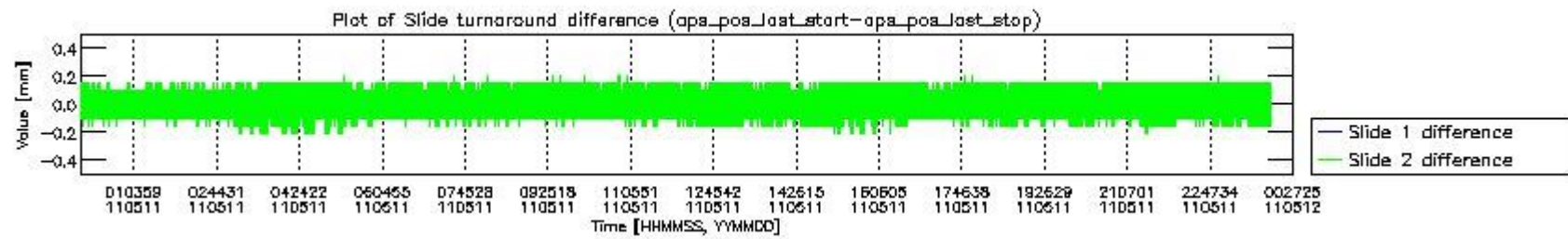
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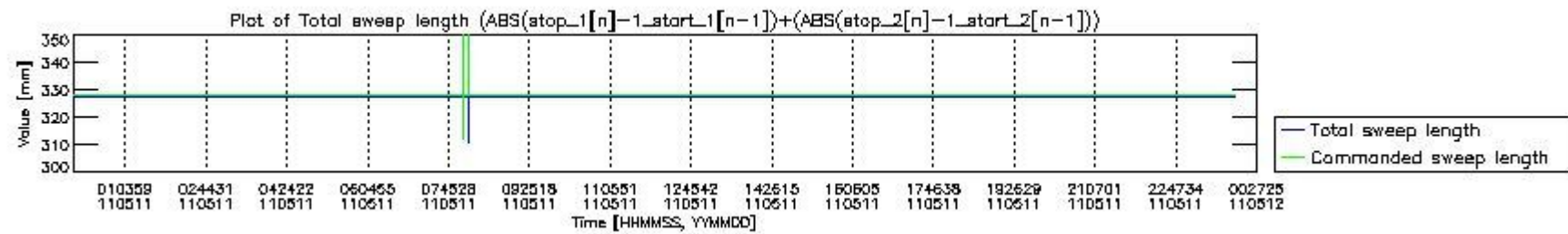
mipas_daily_report_level0_KSPT_L0_4504_N_20110511_3.PNG



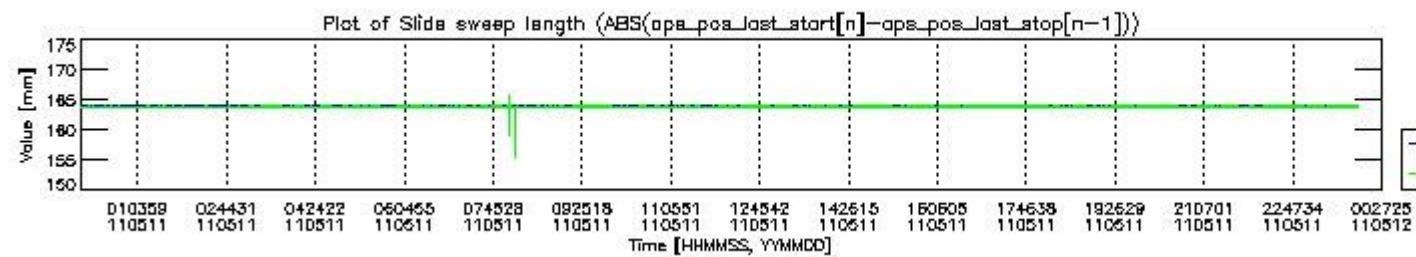
mipas_daily_report_level0_KSPT_L0_4504_N_20110511_4.PNG



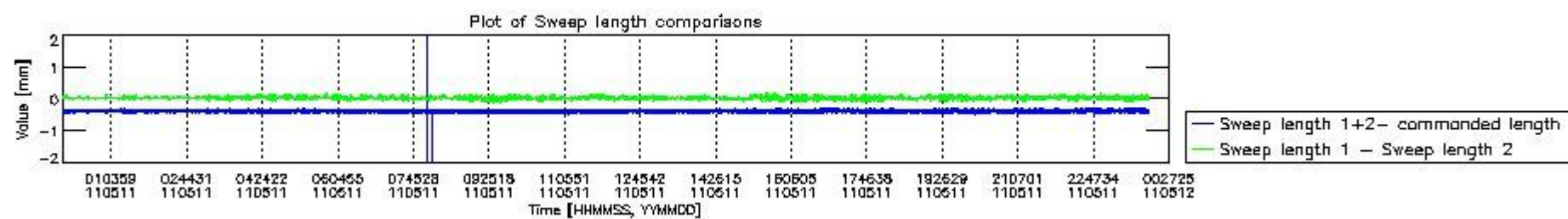
mipas_daily_report_level0_KSPT_L0_4504_N_20110511_5.PNG



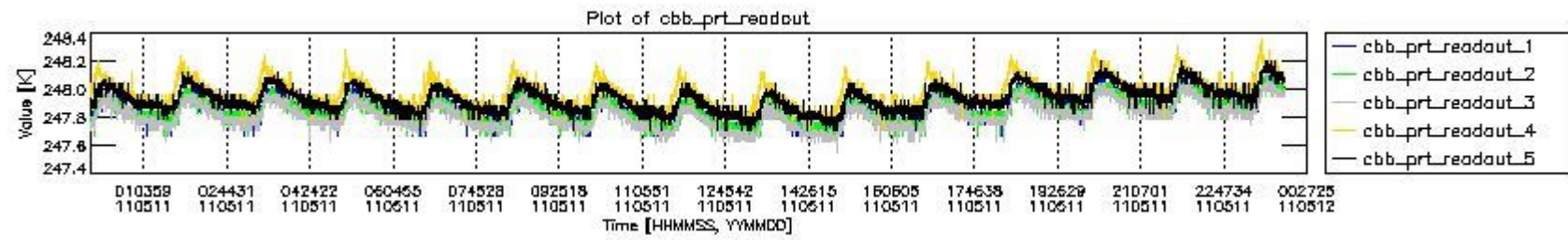
mipas_daily_report_level0_KSPT_L0_4504_N_20110511_6.PNG



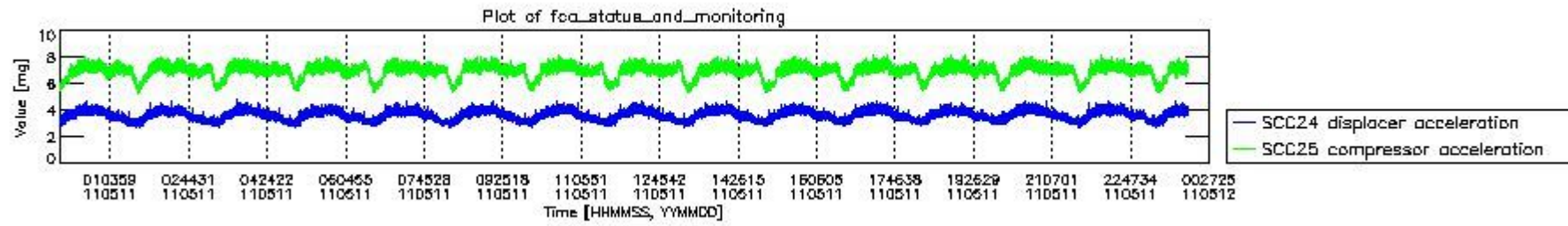
mipas_daily_report_level0_KSPT_L0_4504_N_20110511_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110511_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110511_9.PNG

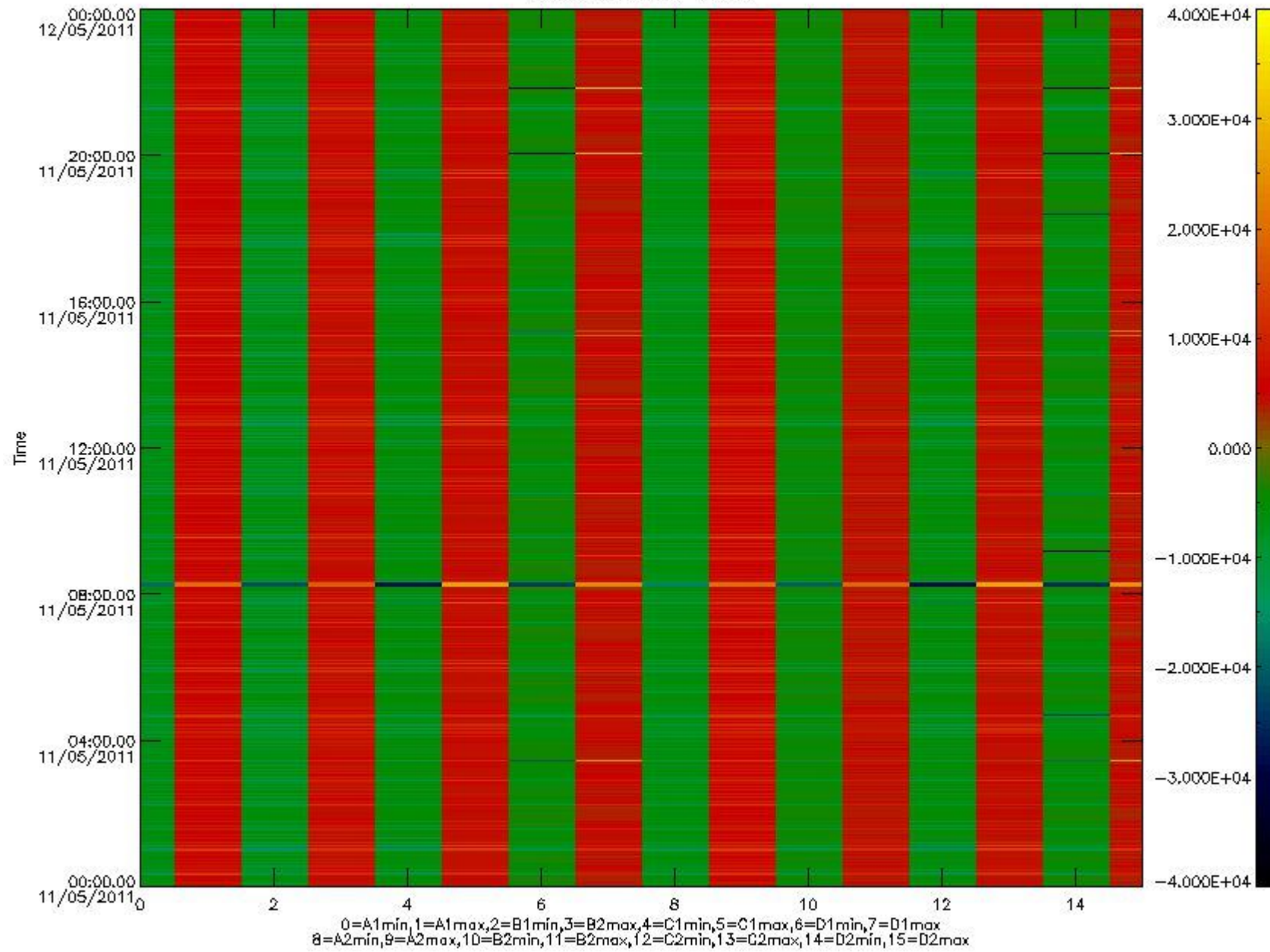


mipas_daily_report_level0_KSPT_L0_4504_N_20110511_10.PNG

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

Channel	Min	Max	ADC
A1	-19265	20710	16bit
B1	-22576	19009	16bit
C1	-27887	27862	16bit
D1	-32768	32767	16bit
A2	-16583	20885	16bit
B2	-20951	20144	16bit
C2	-28965	28664	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_20110511_11.PNG

0.3 ADF monitoring

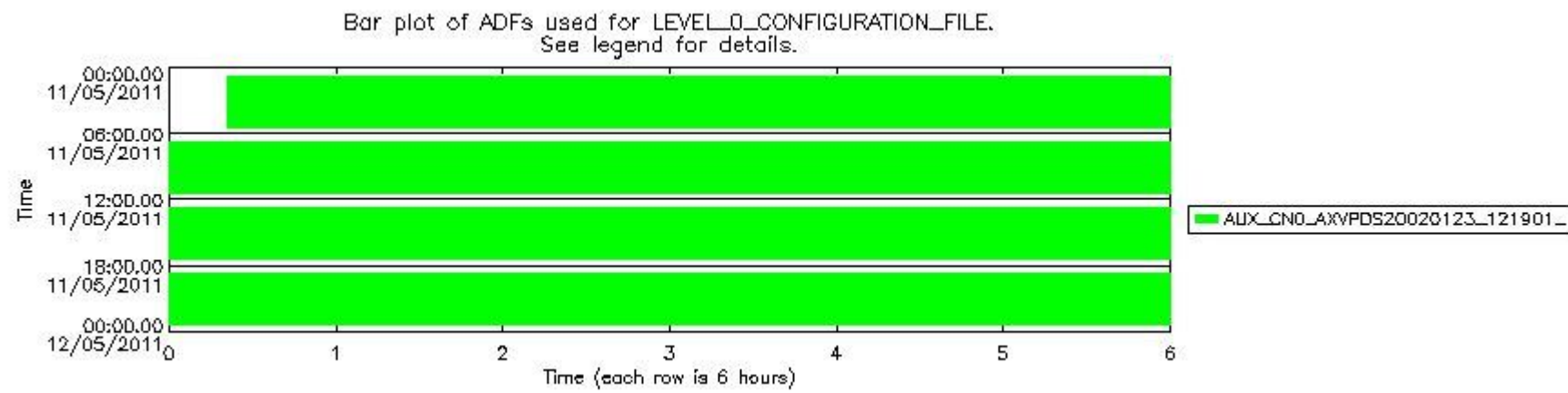
The use of ADFs is shown in two ways:

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.

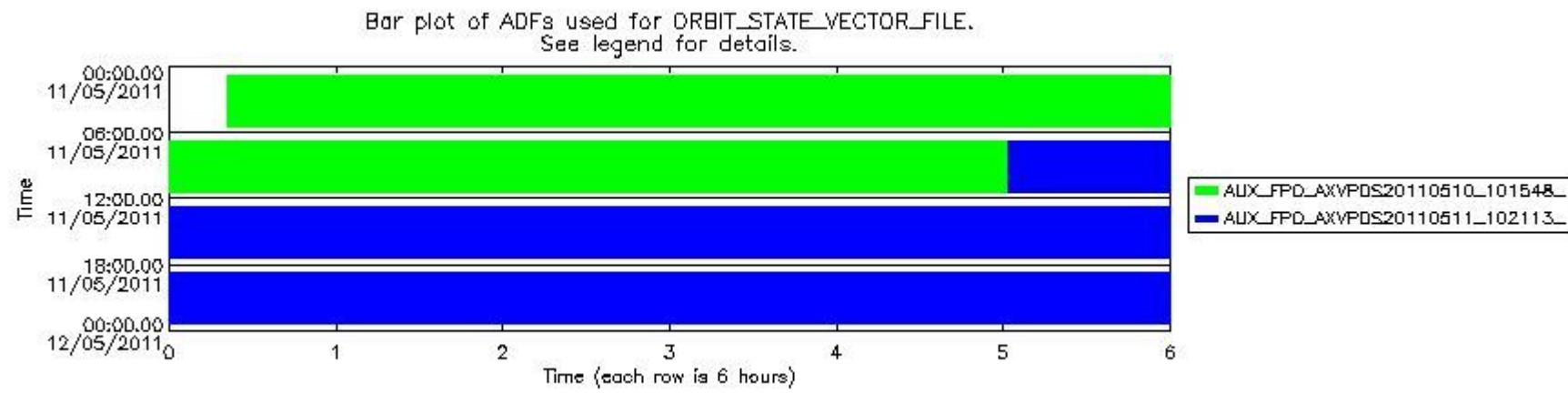
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110510_101548_20110509_182802_20110519_204151
2	AUX_FPO_AXVPDS20110511_102113_20110510_193132_20110520_200506

Number	Product name	#CN0	#FPO
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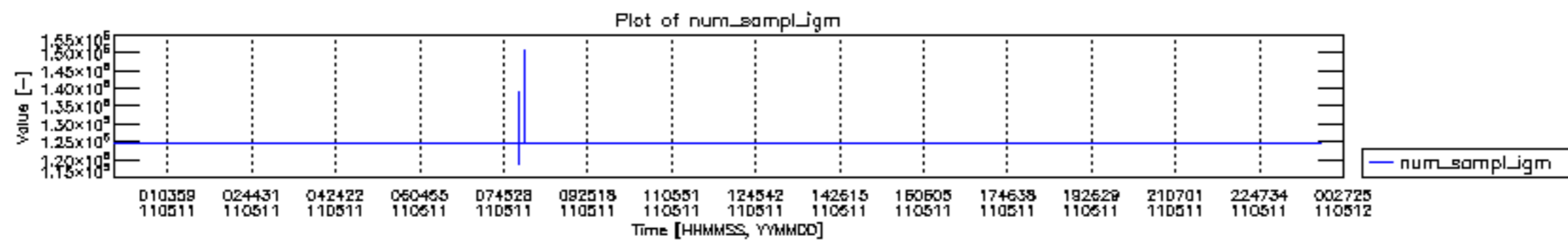
0	MIP_NL__0PNPDE20110511_002039_000059183102_00217_48076_8737.N1	0	1
1	MIP_NL__0PNPDE20110511_015814_000044753102_00218_48077_8738.N1	0	1
2	MIP_NL__0PNPDE20110511_031216_000060963102_00219_48078_8739.N1	0	1
3	MIP_NL__0PNPDE20110511_045318_000060603102_00220_48079_8740.N1	0	1
4	MIP_NL__0PNPDK20110511_063345_000040903102_00221_48080_5172.N1	0	1
5	MIP_NL__0PNPDK20110511_074124_000060783102_00222_48081_5173.N1	0	1
6	MIP_NL__0PNPDK20110511_092202_000060103102_00223_48082_5174.N1	0	1
7	MIP_NL__0PNPDK20110511_110131_000059893102_00224_48083_5175.N1	0	2
8	MIP_NL__0PNPDK20110511_124049_000059273102_00225_48084_5176.N1	0	2
9	MIP_NL__0PNPDK20110511_141902_000059123102_00226_48085_5178.N1	0	2
10	MIP_NL__0PNPDK20110511_155652_000057743102_00227_48086_5179.N1	0	2
11	MIP_NL__0PNPDK20110511_173155_000059583102_00228_48087_5180.N1	0	2
12	MIP_NL__0PNPDK20110511_191000_000061313102_00229_48088_5181.N1	0	2
13	MIP_NL__0PNPDE20110511_205044_000043523102_00230_48089_8741.N1	0	2
14	MIP_NL__0PNPDE20110511_220213_000061843102_00230_48089_8742.N1	0	2
15	MIP_NL__0PNPDE20110511_234418_000059563102_00231_48090_8743.N1	0	2

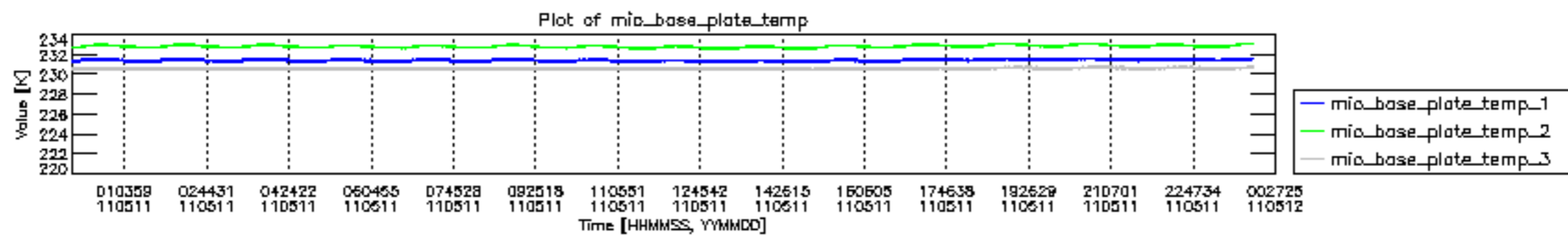


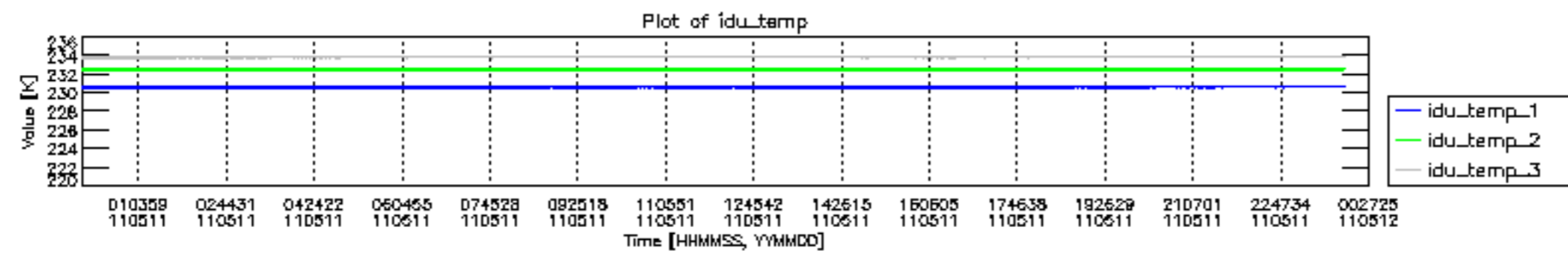
mipas_daily_report_level0_KSPT_L0_4504_N_20110511_12.PNG

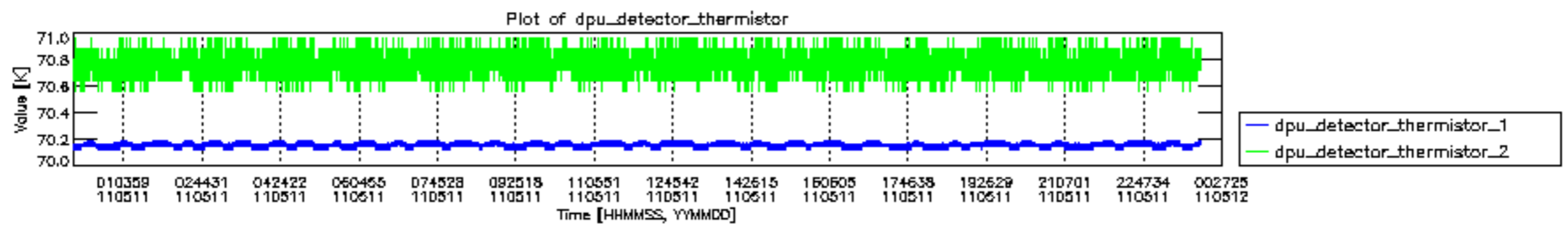


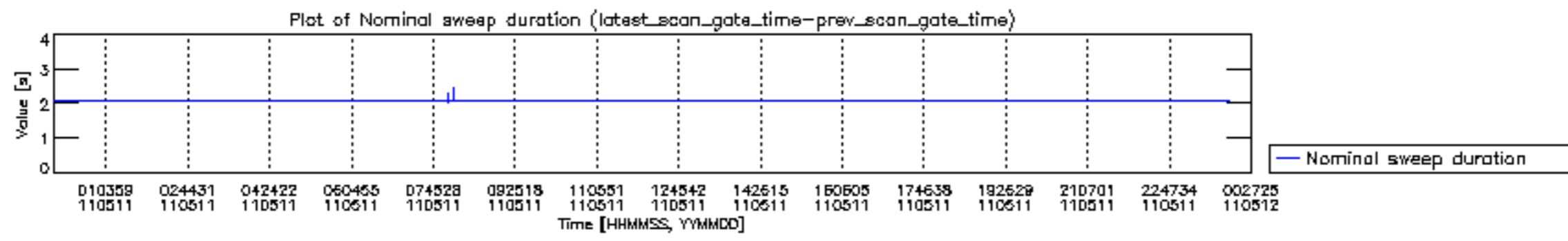
mipas_daily_report_level0_KSPT_L0_4504_N_20110511_13.PNG

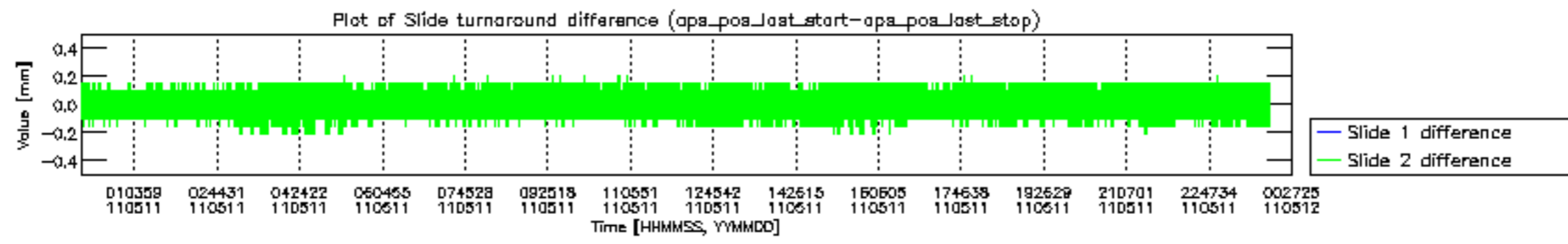


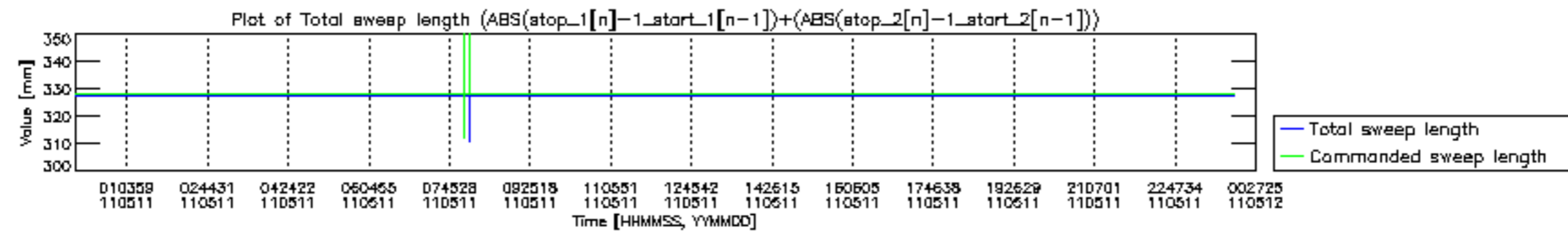


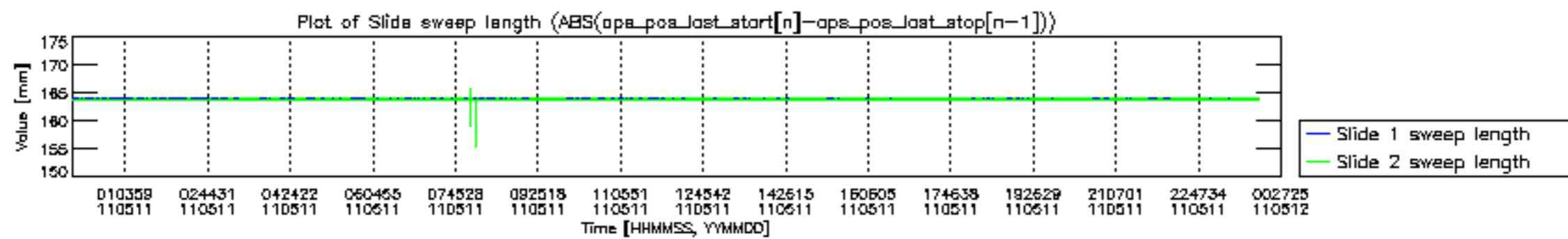


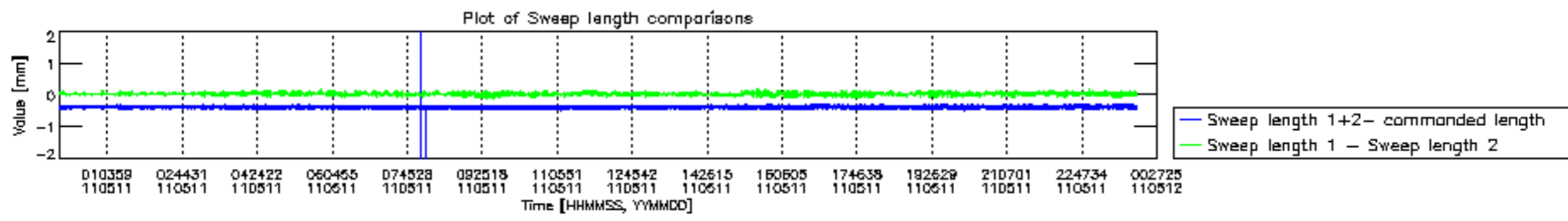


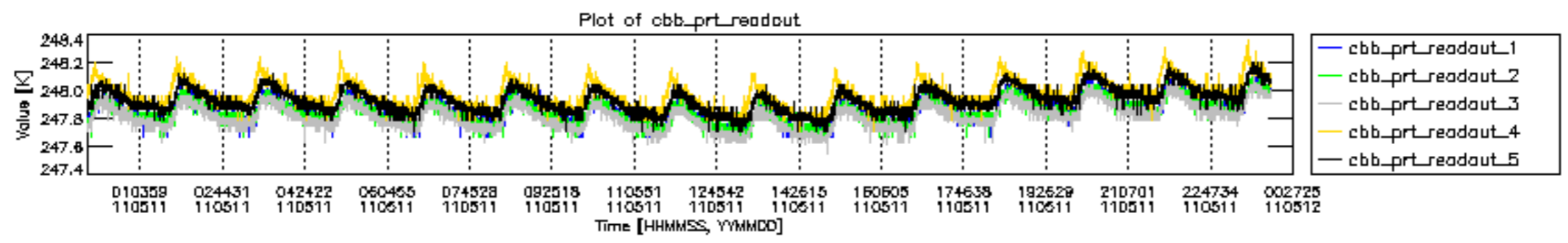


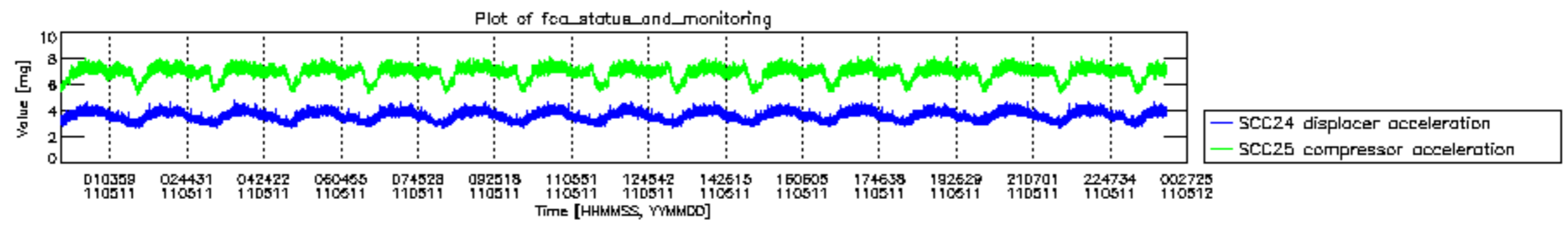












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

