

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	28NOV2010 05:26:49
Data source version	KSPT_L0/4504-N
Processing scope for products	23NOV2010 00:00:00 to 24NOV2010 00:00:00
Start time of first product within scope	23NOV2010 00:14:07
Stop time of last product within scope	24NOV2010 01:17:28
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__0PNPDE20101123_001407_000059373096_00375_45648_2074.N1	23NOV2010 00:14:07	23NOV2010 01:53:04	0	0	0	0	0
1	MIP_NL__0PNPDE20101123_015208_000043753096_00376_45649_2075.N1	23NOV2010 01:52:08	23NOV2010 03:05:03	0	0	0	0	0
2	MIP_NL__0PNPDE20101123_030429_000062073096_00377_45650_2076.N1	23NOV2010 03:04:29	23NOV2010 04:47:56	0	0	0	0	0
3	MIP_NL__0PNPDE20101123_044722_000059713096_00378_45651_2077.N1	23NOV2010 04:47:22	23NOV2010 06:26:54	0	0	0	0	0
4	MIP_NL__0PNPDK20101123_062620_000041343096_00379_45652_3351.N1	23NOV2010 06:26:20	23NOV2010 07:35:15	0	0	0	0	0
5	MIP_NL__0PNPDK20101123_091521_000060063096_00381_45654_3353.N1	23NOV2010 09:15:21	23NOV2010 10:55:27	0	0	0	0	0
6	MIP_NL__0PNPDK20101123_105349_000060793096_00382_45655_3354.N1	23NOV2010 10:53:49	23NOV2010 12:35:08	0	0	0	0	0
7	MIP_NL__0PNPDK20101123_123412_000058583096_00383_45656_3355.N1	23NOV2010 12:34:12	23NOV2010 14:11:50	0	0	0	0	0
8	MIP_NL__0PNPDK20101123_141053_000059733096_00384_45657_3356.N1	23NOV2010 14:10:53	23NOV2010 15:50:26	0	0	0	0	0
9	MIP_NL__0PNPDK20101123_154953_000058103096_00385_45658_3357.N1	23NOV2010 15:49:53	23NOV2010 17:26:43	0	0	0	0	0
10	MIP_NL__0PNPDK20101123_172542_000059673096_00386_45659_3358.N1	23NOV2010 17:25:42	23NOV2010 19:05:09	0	0	0	0	0
11	MIP_NL__0PNPDK20101123_190400_000059963096_00387_45660_3359.N1	23NOV2010 19:04:00	23NOV2010 20:43:56	0	0	0	0	0
12	MIP_NL__0PNPDE20101123_204152_000044673096_00388_45661_2078.N1	23NOV2010 20:41:52	23NOV2010 21:56:19	0	0	0	0	0
13	MIP_NL__0PNPDE20101123_215447_000061983096_00388_45661_2079.N1	23NOV2010 21:54:47	23NOV2010 23:38:05	0	0	0	0	0
14	MIP_NL__0PNPDE20101123_233656_000060313096_00389_45662_2080.N1	23NOV2010 23:36:56	24NOV2010 01:17:28	0	0	0	0	0

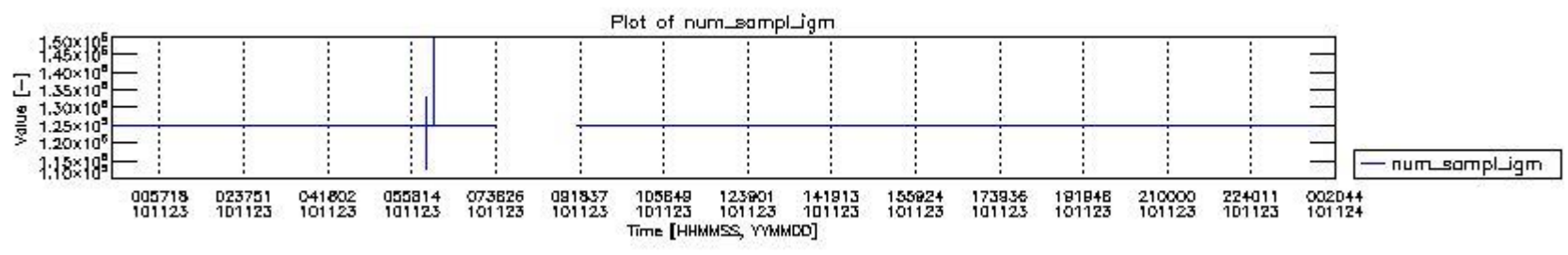
0.2 Instrument Operational Performance Parameters

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.

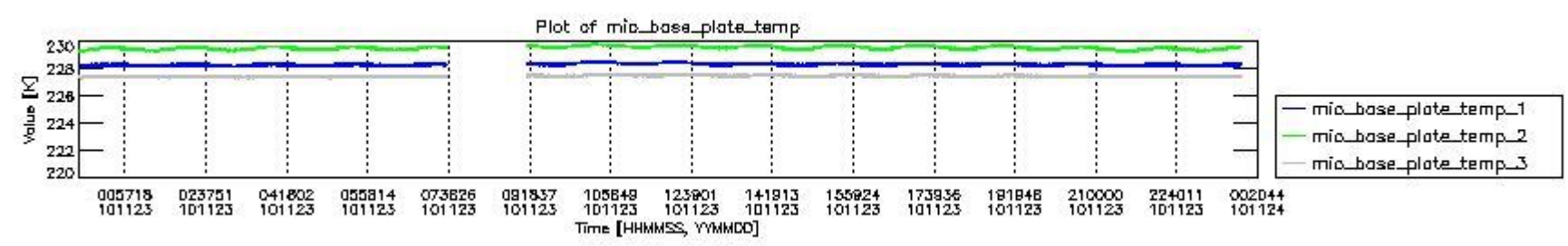
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
112588	1	0.0025800459
120508	1	0.0025800459
124800	36005	92.894554

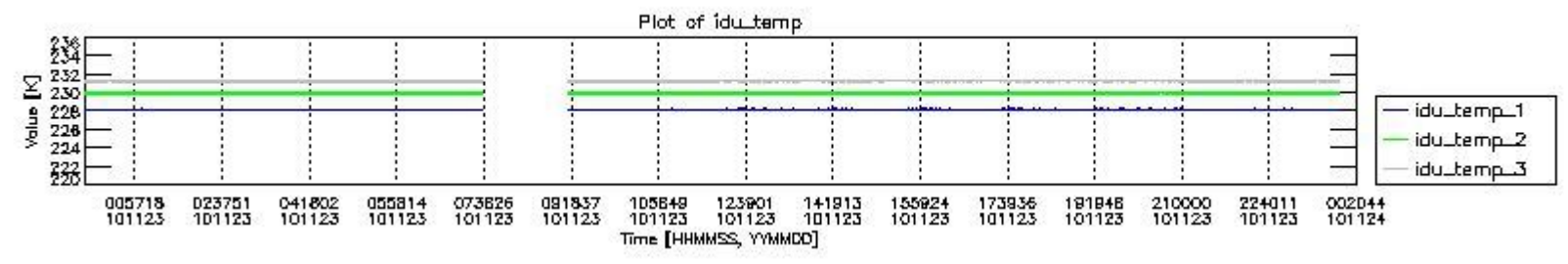
124803	2748	7.0899662
126936	1	0.0025800459
132720	1	0.0025800459
147068	1	0.0025800459
149204	1	0.0025800459



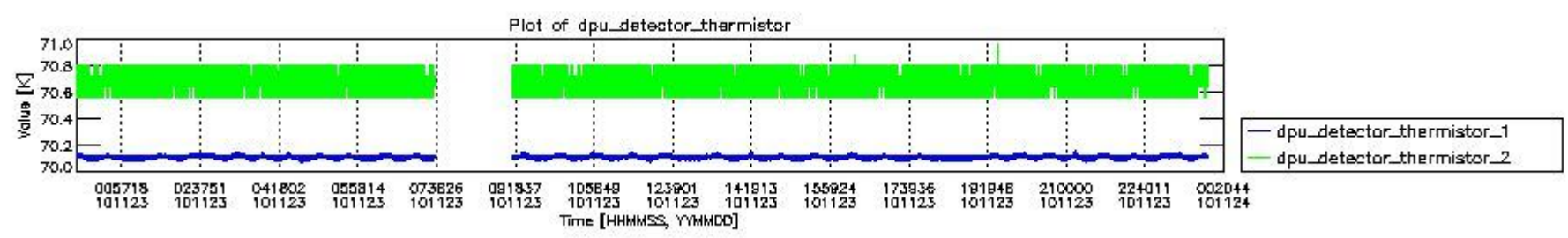
mipas_daily_report_level0_KSPT_L0_4504_N_20101123_0.PNG



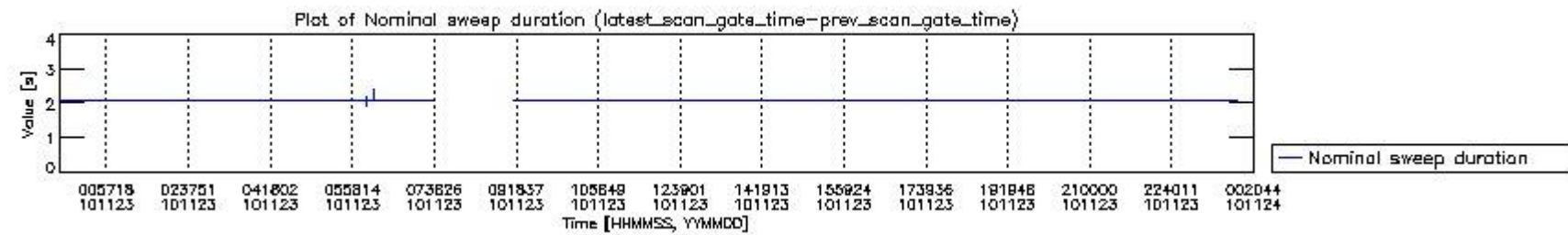
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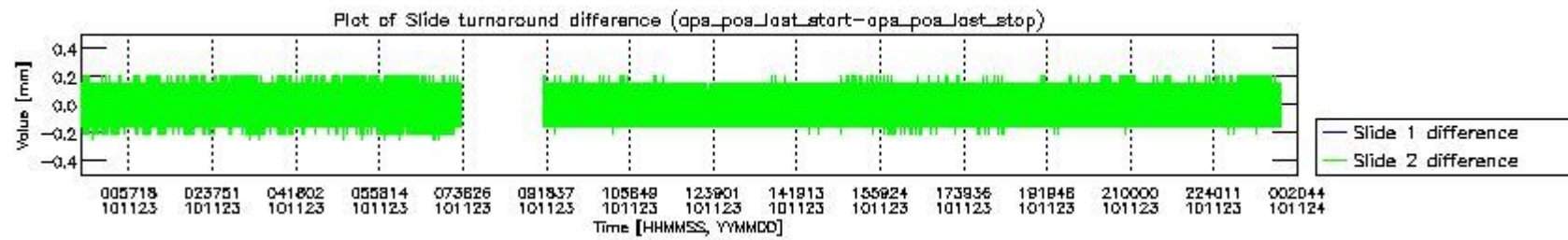
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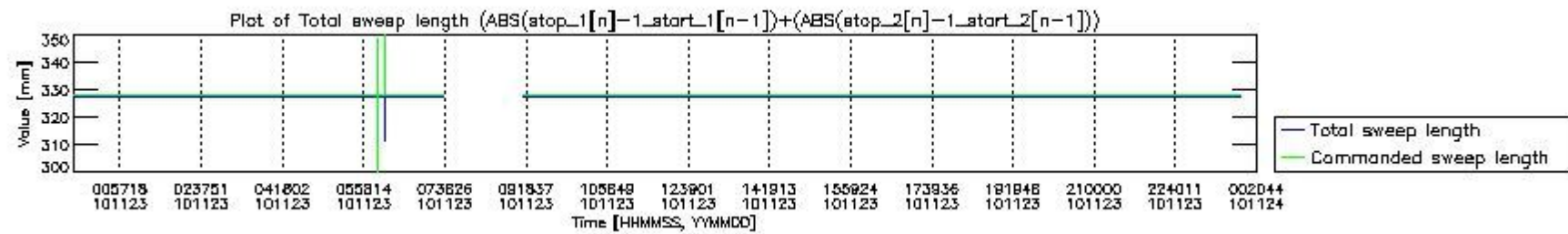
mipas_daily_report_level0_KSPT_L0_4504_N_20101123_3.PNG



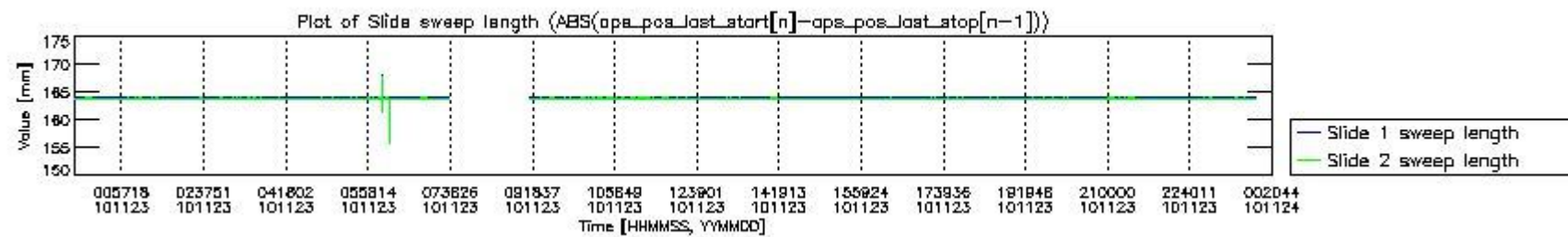
mipas_daily_report_level0_KSPT_L0_4504_N_20101123_4.PNG



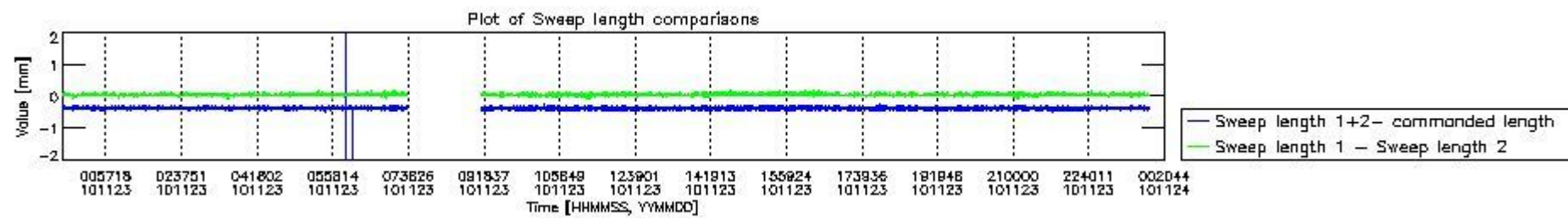
mipas_daily_report_level0_KSPT_L0_4504_N_20101123_5.PNG



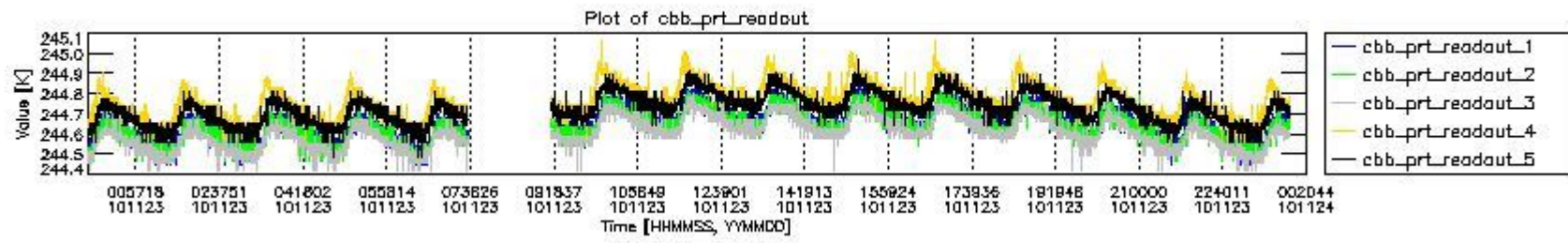
mipas_daily_report_level0_KSPT_L0_4504_N_20101123_6.PNG



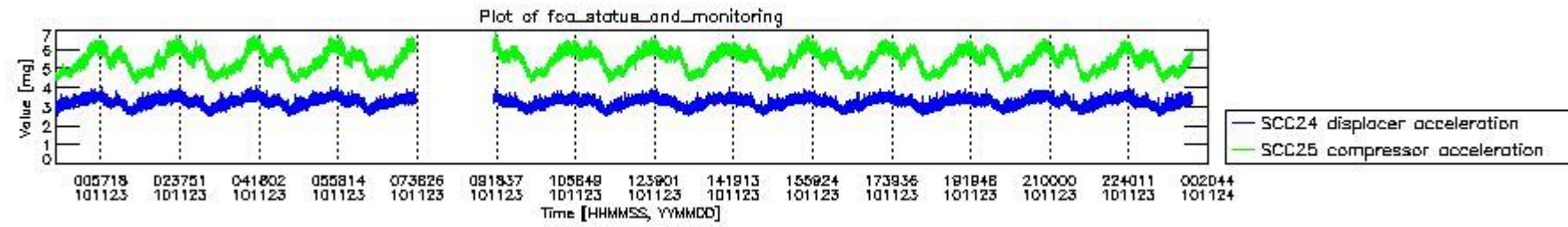
mipas_daily_report_level0_KSPT_L0_4504_N_20101123_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101123_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101123_9.PNG

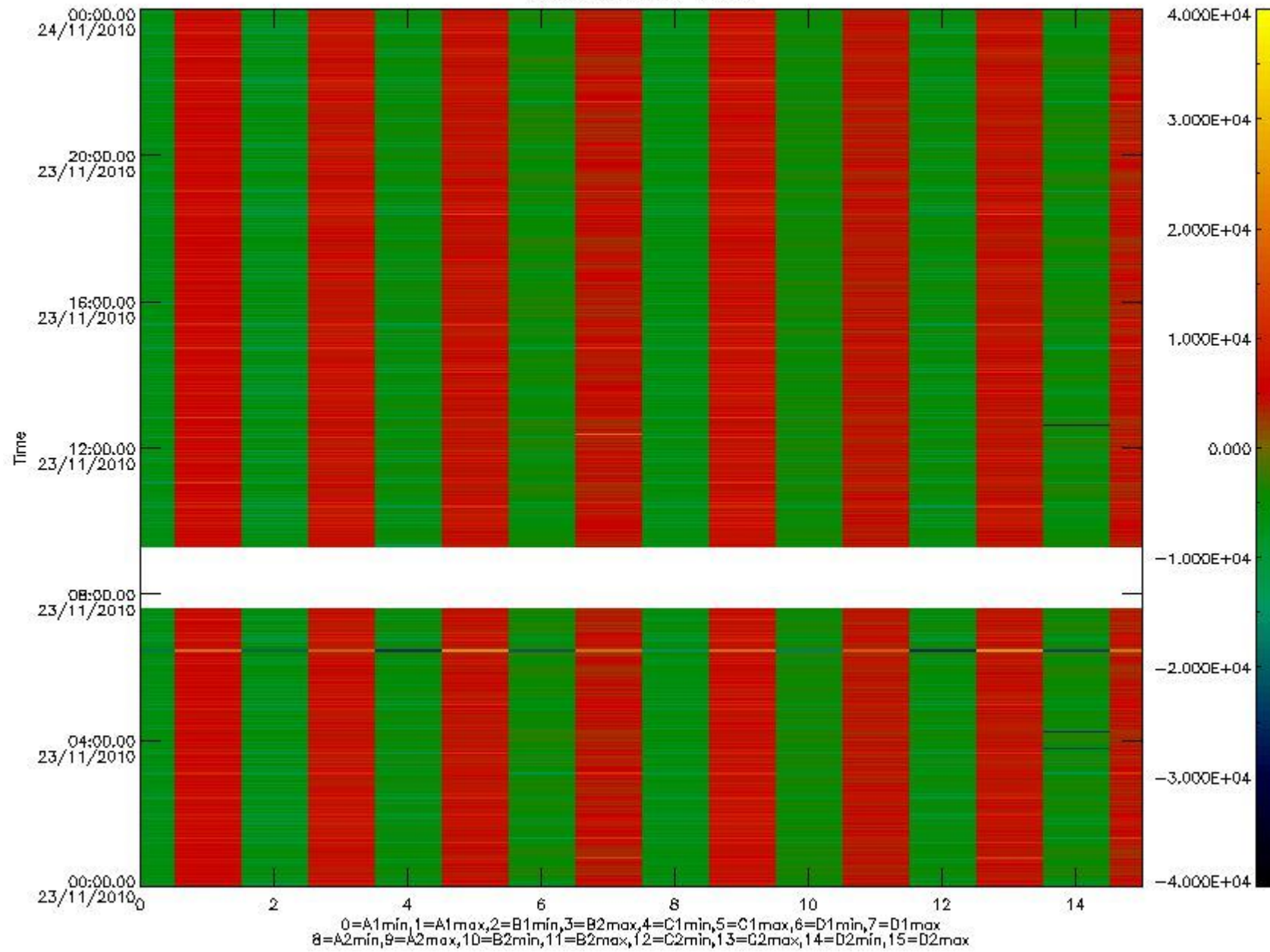


mipas_daily_report_level0_KSPT_L0_4504_N_20101123_10.PNG

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

Channel	Min	Max	ADC
A1	-18560	19748	16bit
B1	-20575	17685	16bit
C1	-24966	24901	16bit
D1	-32768	32767	16bit
A2	-16019	19869	16bit
B2	-18684	18276	16bit
C2	-25946	25605	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_20101123_11.PNG

0.3 ADF monitoring

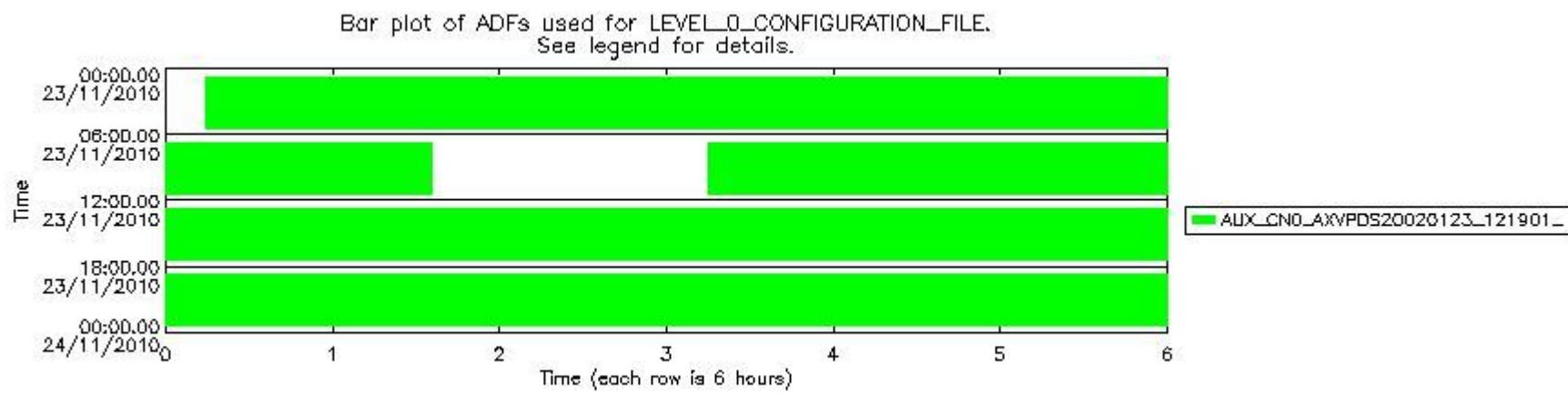
The use of ADFs is shown in two ways:

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.

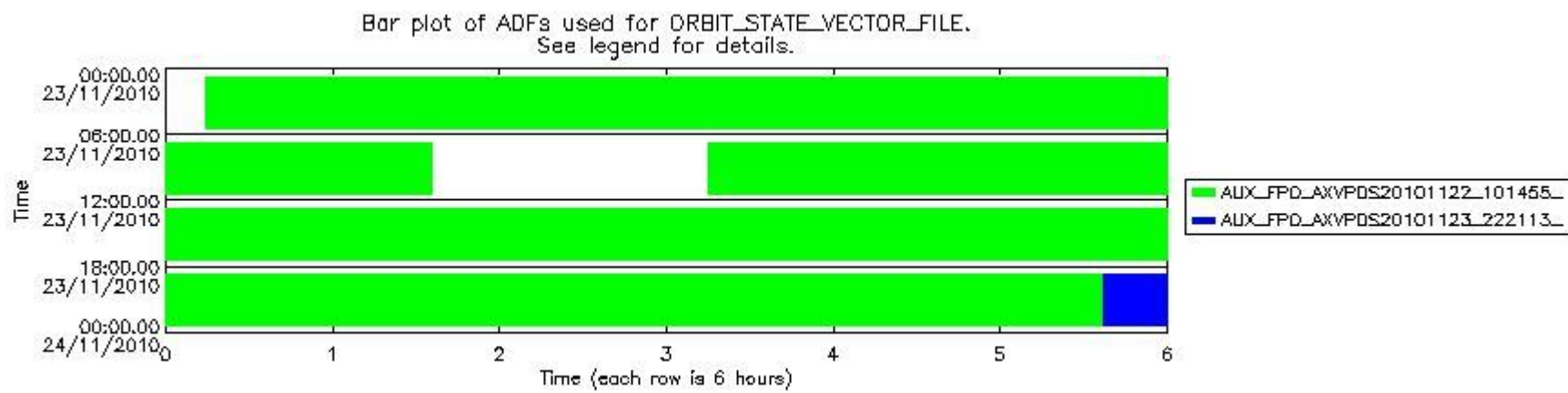
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101122_101455_20101121_182110_20101201_203505
2	AUX_FPO_AXVPDS20101123_222113_20101122_192441_20101202_213836

Number	Product name	#CN0	#FPO
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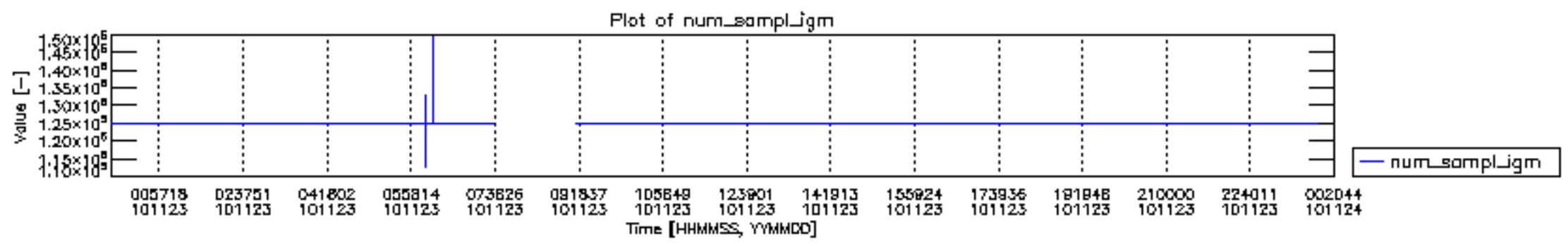
0	MIP_NL__0PNPDE20101123_001407_000059373096_00375_45648_2074.N1	0	1
1	MIP_NL__0PNPDE20101123_015208_000043753096_00376_45649_2075.N1	0	1
2	MIP_NL__0PNPDE20101123_030429_000062073096_00377_45650_2076.N1	0	1
3	MIP_NL__0PNPDE20101123_044722_000059713096_00378_45651_2077.N1	0	1
4	MIP_NL__0PNPDK20101123_062620_000041343096_00379_45652_3351.N1	0	1
5	MIP_NL__0PNPDK20101123_091521_000060063096_00381_45654_3353.N1	0	1
6	MIP_NL__0PNPDK20101123_105349_000060793096_00382_45655_3354.N1	0	1
7	MIP_NL__0PNPDK20101123_123412_000058583096_00383_45656_3355.N1	0	1
8	MIP_NL__0PNPDK20101123_141053_000059733096_00384_45657_3356.N1	0	1
9	MIP_NL__0PNPDK20101123_154953_000058103096_00385_45658_3357.N1	0	1
10	MIP_NL__0PNPDK20101123_172542_000059673096_00386_45659_3358.N1	0	1
11	MIP_NL__0PNPDK20101123_190400_000059963096_00387_45660_3359.N1	0	1
12	MIP_NL__0PNPDE20101123_204152_000044673096_00388_45661_2078.N1	0	1
13	MIP_NL__0PNPDE20101123_215447_000061983096_00388_45661_2079.N1	0	1
14	MIP_NL__0PNPDE20101123_233656_000060313096_00389_45662_2080.N1	0	2

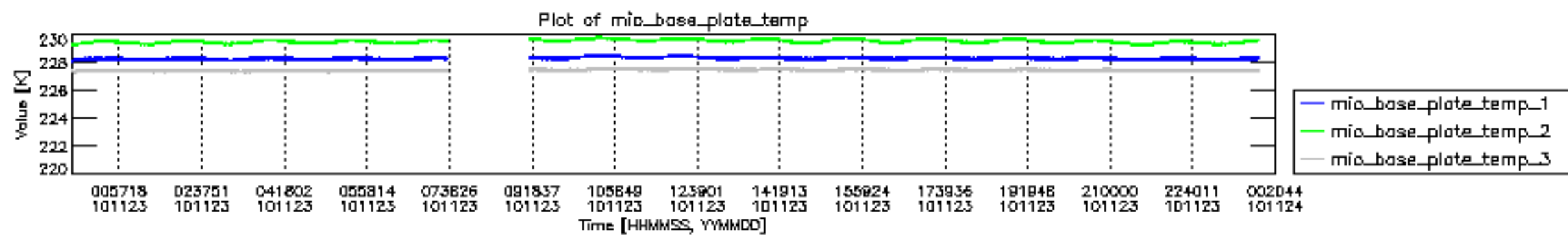


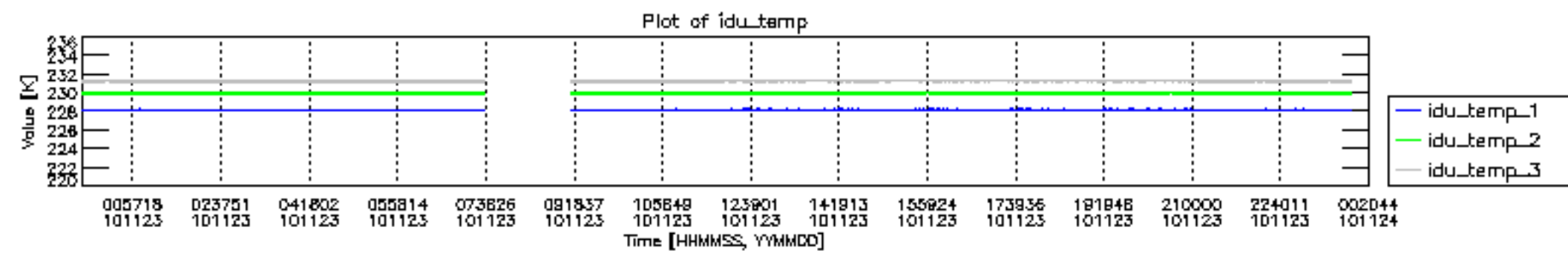
mipas_daily_report_level0_KSPT_L0_4504_N_20101123_12.PNG

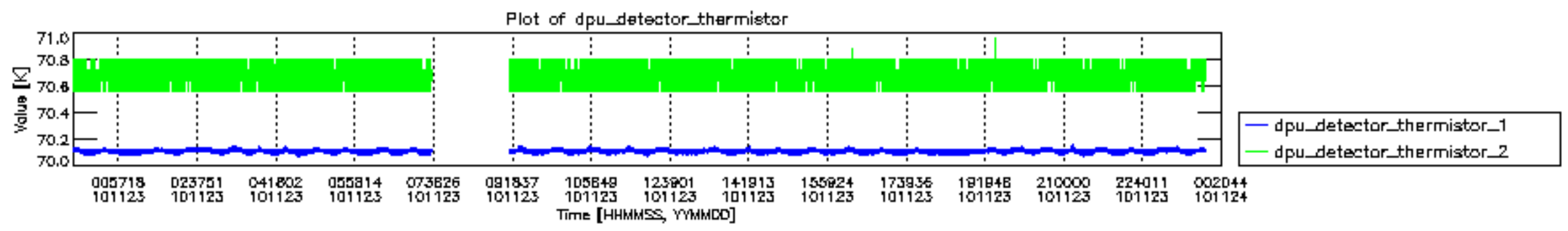


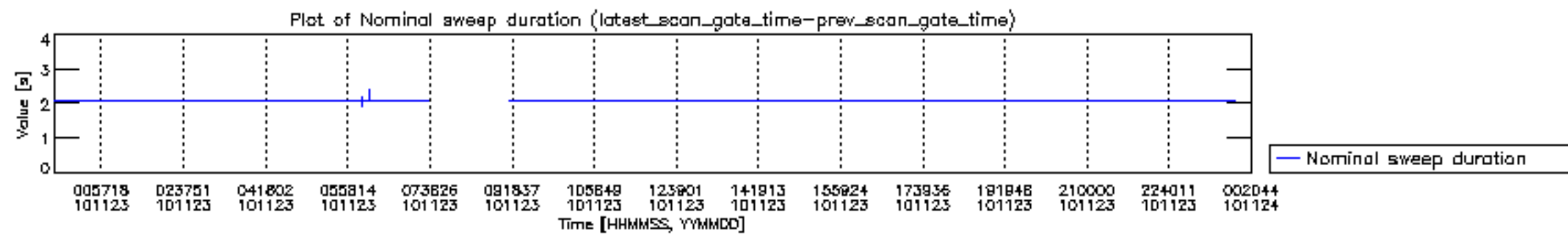
mipas_daily_report_level0_KSPT_L0_4504_N_20101123_13.PNG

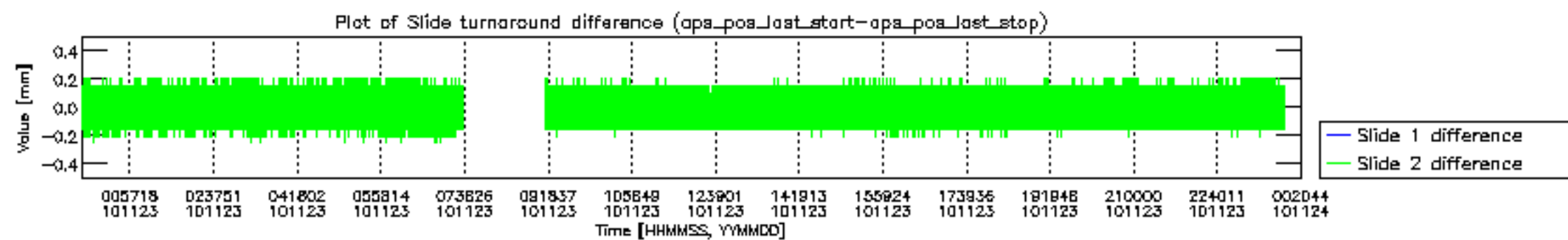


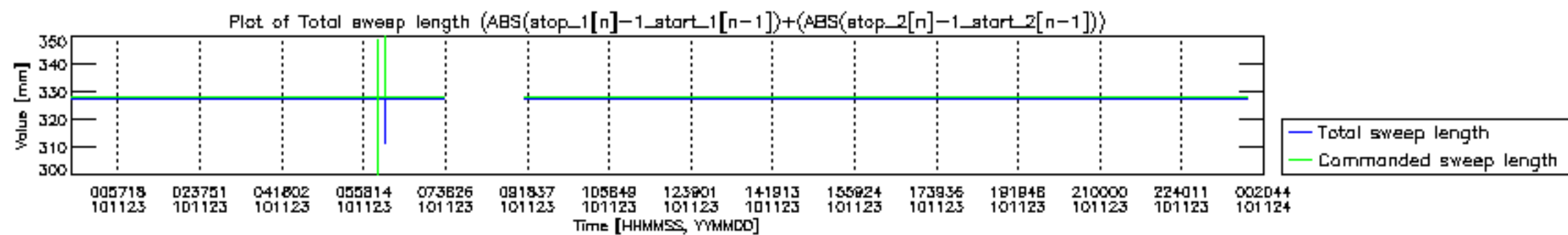


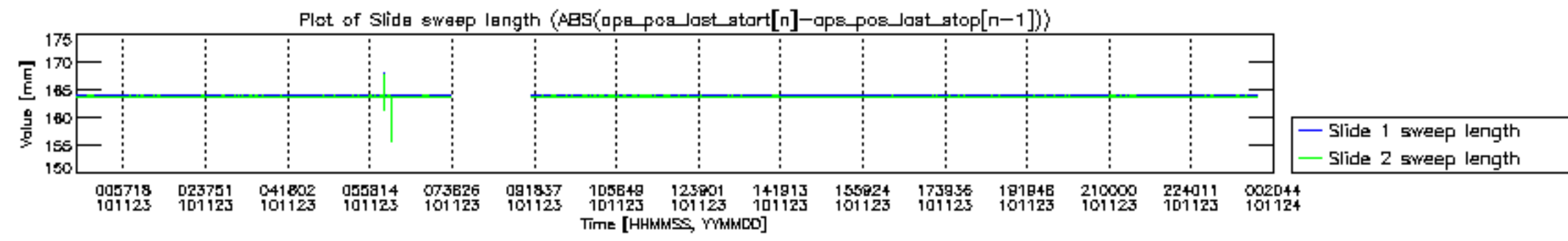


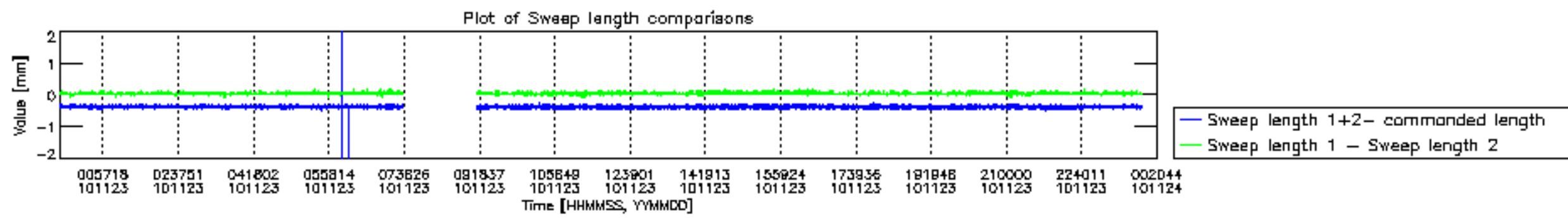


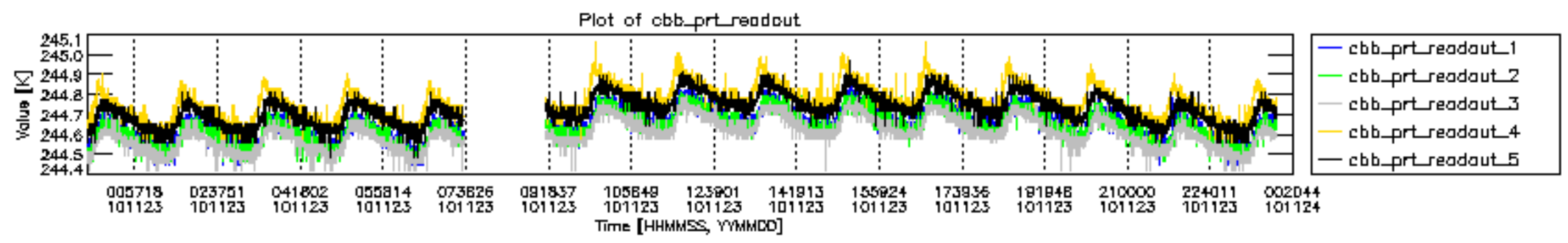


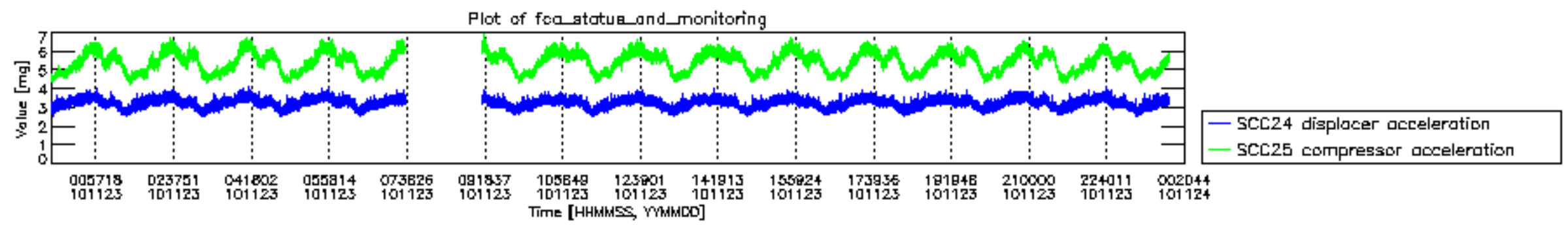












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

