

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	27DEC2010 05:24:29
Data source version	KSPT_L0/4504-N
Processing scope for products	22DEC2010 00:00:00 to 23DEC2010 00:00:00
Start time of first product within scope	22DEC2010 00:51:05
Stop time of last product within scope	23DEC2010 00:15:43
Total number of level 0 products	15
Number of level 0 products with errors	1

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__OPNPDE20101222_005105_000056203097_00361_46065_2548.N1	22DEC2010 00:51:05	22DEC2010 02:24:44	0	0	0	0	0
1	MIP_NL__OPNPDE20101222_022312_000046883097_00362_46066_2549.N1	22DEC2010 02:23:12	22DEC2010 03:41:20	0	0	0	0	0
2	MIP_NL__OPNPDE20101222_034047_000062713097_00363_46067_2550.N1	22DEC2010 03:40:47	22DEC2010 05:25:18	0	0	0	0	0
3	MIP_NL__OPNPDE20101222_052447_000060443097_00364_46068_2551.N1	22DEC2010 05:24:47	22DEC2010 07:05:31	0	0	0	0	0
4	MIP_NL__OPNPDK20101222_070500_000040763097_00365_46069_3747.N1	22DEC2010 07:05:00	22DEC2010 08:12:56	0	0	0	0	0
5	MIP_NL__OPNPDK20101222_081157_000061173097_00366_46070_3748.N1	22DEC2010 08:11:57	22DEC2010 09:53:54	0	0	0	0	0
6	MIP_NL__OPNPDK20101222_095224_000059313097_00367_46071_3749.N1	22DEC2010 09:52:24	22DEC2010 11:31:15	0	0	0	0	0
7	MIP_NL__OPNPDK20101222_112943_000060653097_00368_46072_3750.N1	22DEC2010 11:29:43	22DEC2010 13:10:48	0	0	0	0	0
8	MIP_NL__OPNPDK20101222_130951_000059813097_00369_46073_3751.N1	22DEC2010 13:09:51	22DEC2010 14:49:32	0	0	0	0	0
9	MIP_NL__OPNPDK20101222_144840_000058223097_00370_46074_3752.N1	22DEC2010 14:48:40	22DEC2010 16:25:42	0	0	0	0	0
10	MIP_NL__OPNPDK20101222_162400_000059963097_00371_46075_3753.N1	22DEC2010 16:24:00	22DEC2010 18:03:55	1	1	0	0	0
11	MIP_NL__OPNPDK20101222_180253_000059273097_00372_46076_3754.N1	22DEC2010 18:02:53	22DEC2010 19:41:39	0	0	0	0	0
12	MIP_NL__OPNPDE20101222_193953_000041553097_00373_46077_2552.N1	22DEC2010 19:39:53	22DEC2010 20:49:08	0	0	0	0	0
13	MIP_NL__OPNPDE20101222_204807_000065013097_00373_46077_2553.N1	22DEC2010 20:48:07	22DEC2010 22:36:29	0	0	0	0	0
14	MIP_NL__OPNPDE20101222_223528_000060153097_00374_46078_2554.N1	22DEC2010 22:35:28	23DEC2010 00:15:43	0	0	0	0	0

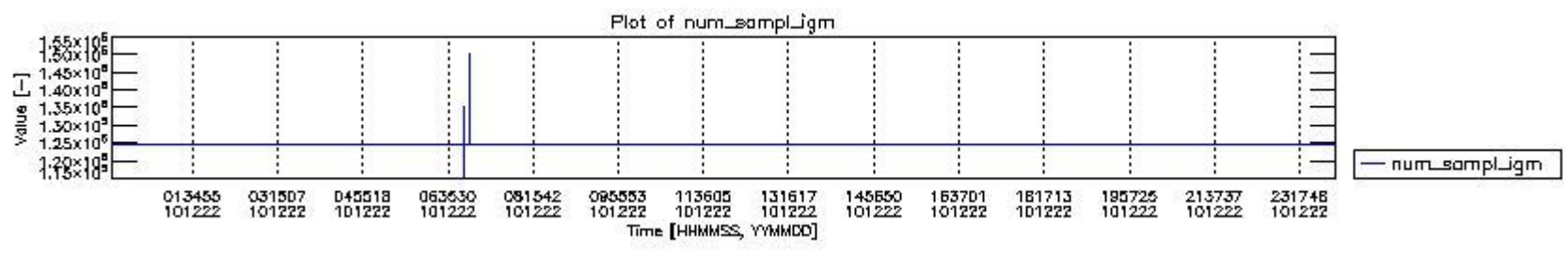
0.2 Instrument Operational Performance Parameters

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.

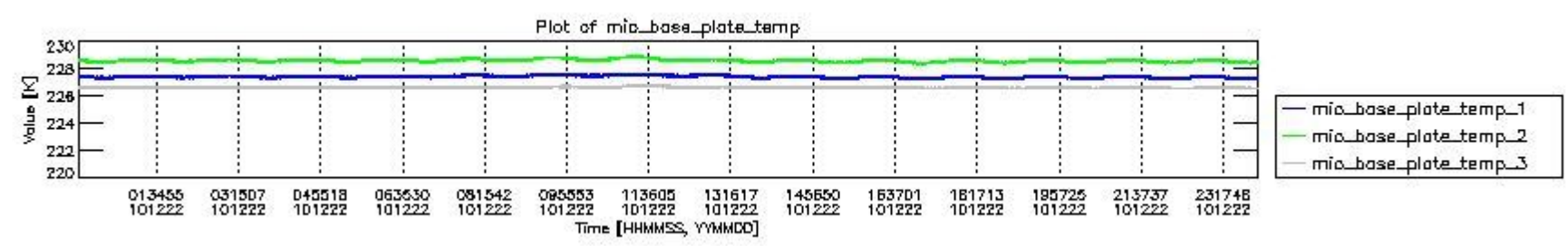
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
115339	1	0.0024041351
124800	38634	92.881356
124803	2955	7.1042193

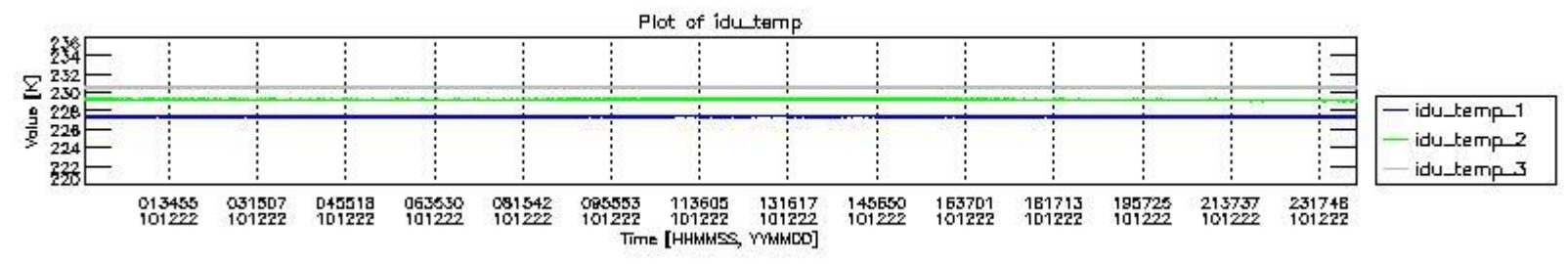
126010	1	0.0024041351
127382	1	0.0024041351
135471	1	0.0024041351
147514	1	0.0024041351
150096	1	0.0024041351



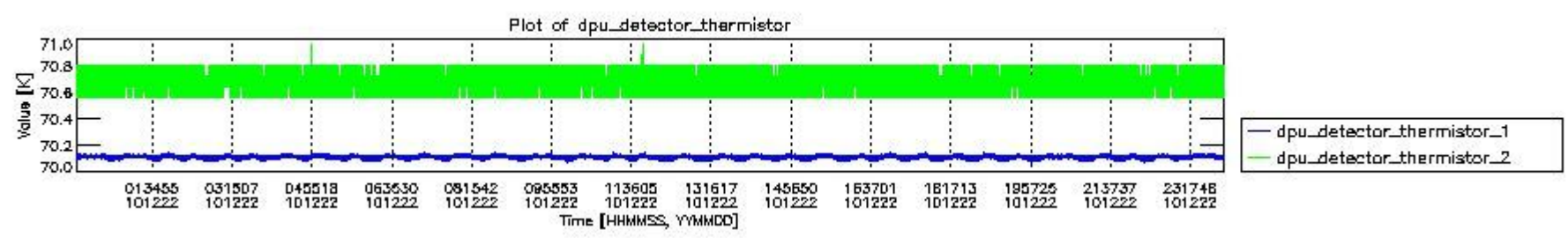
mipas_daily_report_level0_KSPT_L0_4504_N_20101222_0.PNG



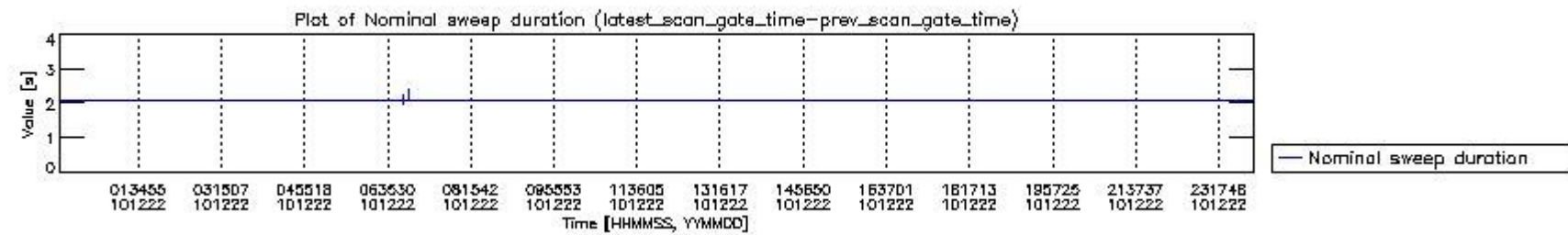
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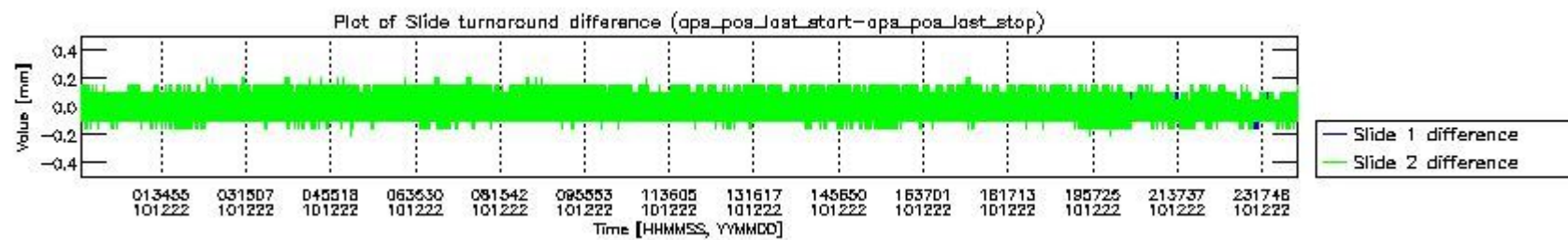
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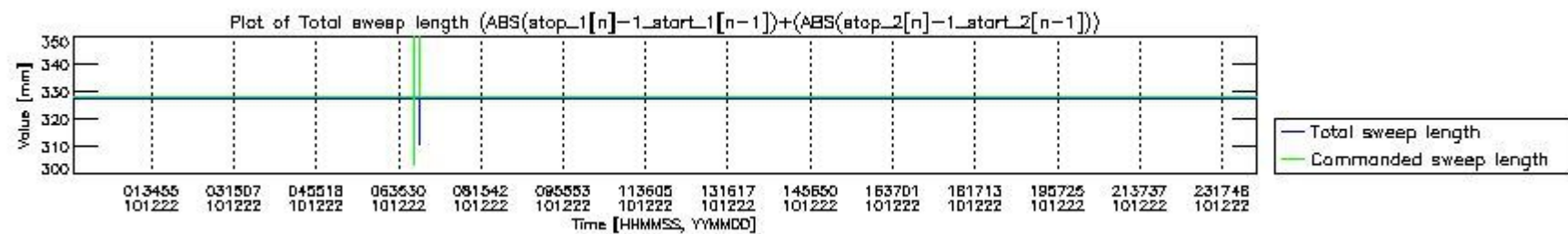
mipas_daily_report_level0_KSPT_L0_4504_N_20101222_3.PNG



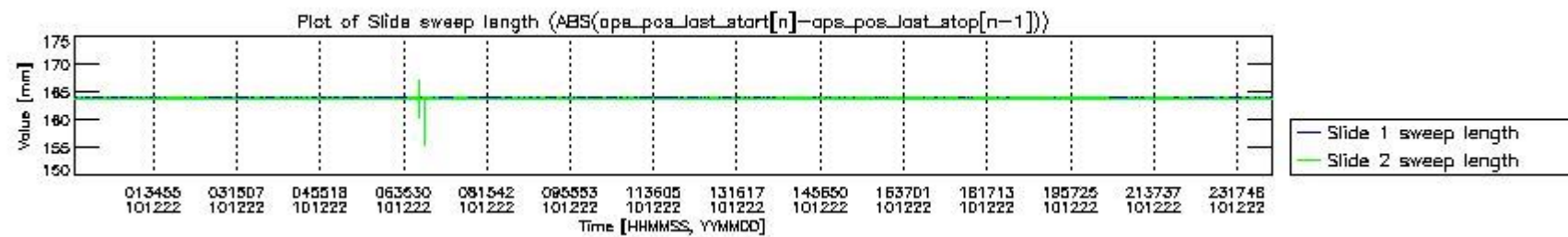
mipas_daily_report_level0_KSPT_L0_4504_N_20101222_4.PNG



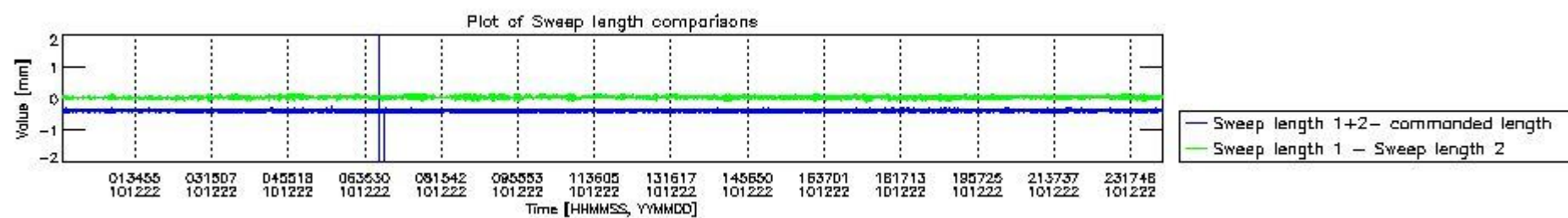
mipas_daily_report_level0_KSPT_L0_4504_N_20101222_5.PNG



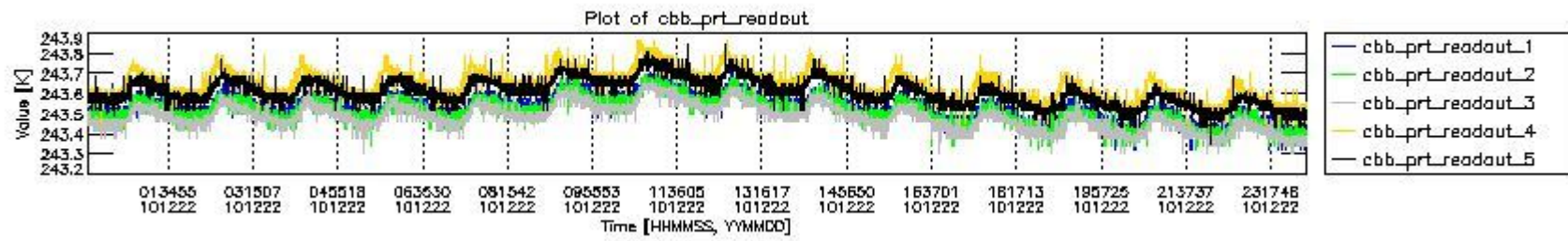
mipas_daily_report_level0_KSPT_L0_4504_N_20101222_6.PNG



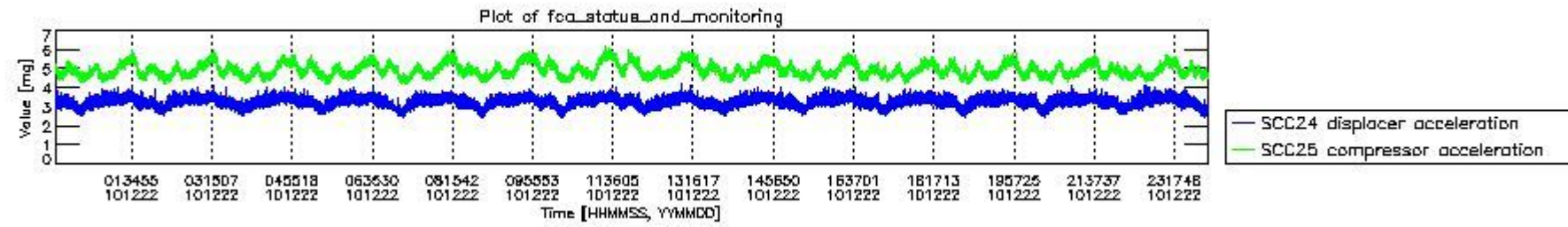
mipas_daily_report_level0_KSPT_L0_4504_N_20101222_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101222_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101222_9.PNG

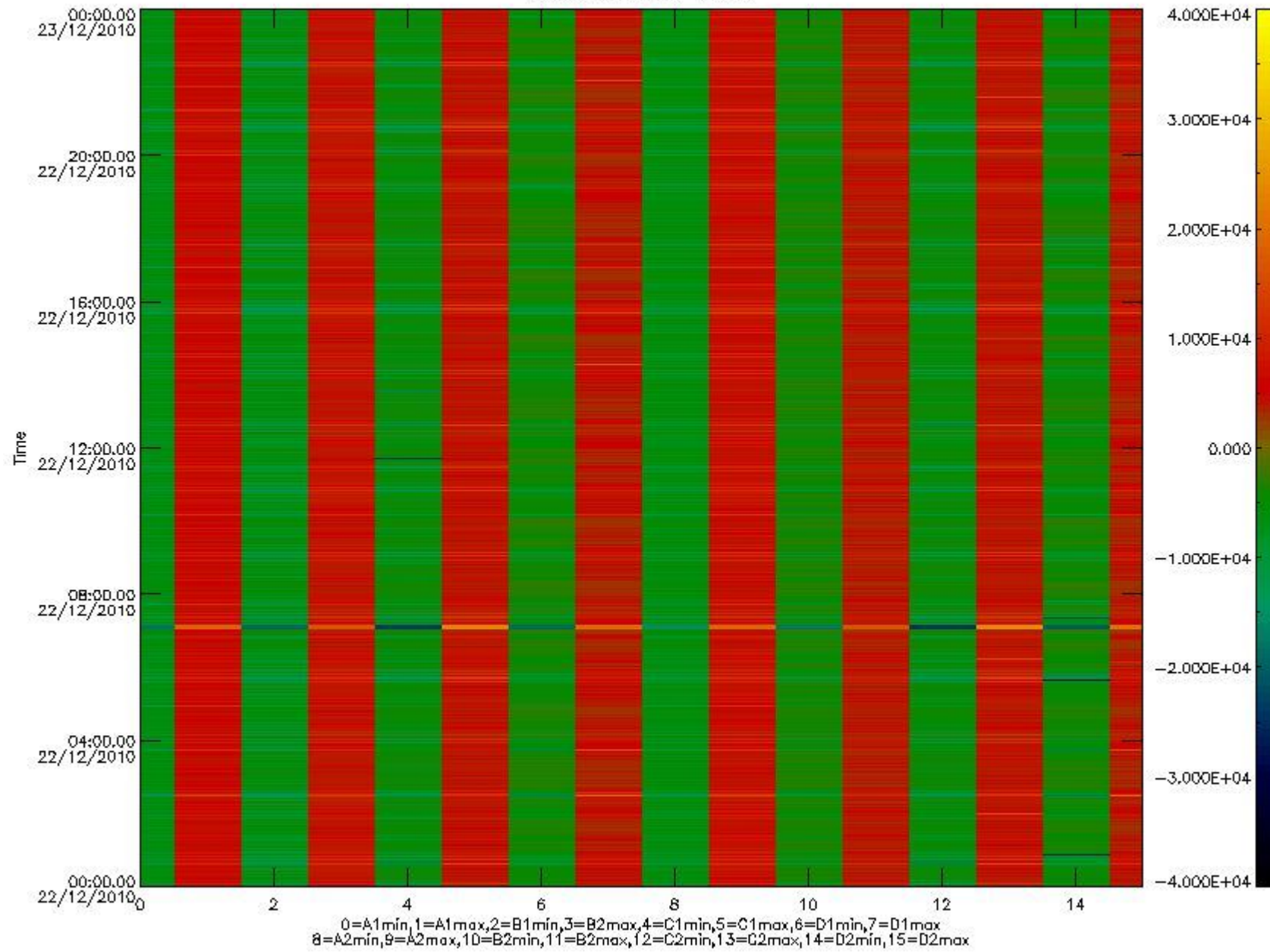


mipas_daily_report_level0_KSPT_L0_4504_N_20101222_10.PNG

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

Channel	Min	Max	ADC
A1	-18165	19294	16bit
B1	-19955	17233	16bit
C1	-24905	23762	16bit
D1	-28128	32767	16bit
A2	-15728	19428	16bit
B2	-18063	17690	16bit
C2	-24861	24442	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_20101222_11.PNG

0.3 ADF monitoring

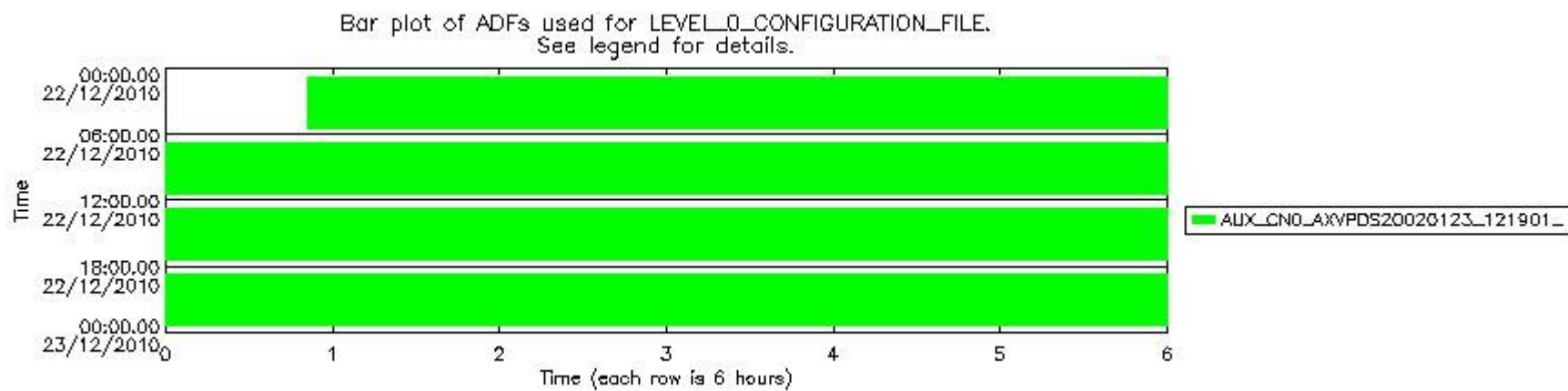
The use of ADFs is shown in two ways:

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.

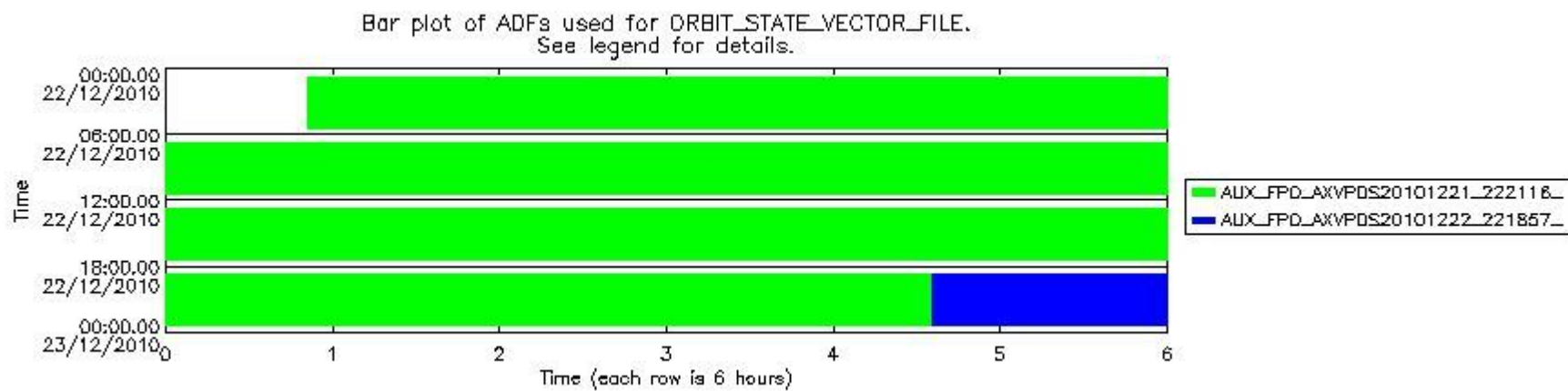
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101221_222116_20101221_182157_20101231_203551
2	AUX_FPO_AXVPDS20101222_221857_20101222_192527_20110101_213921

Number	Product name	#CN0	#FPO
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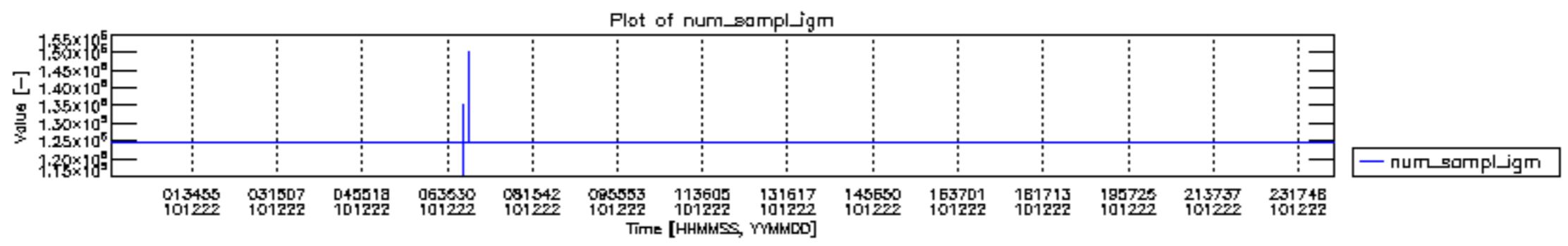
0	MIP_NL__0PNPDE20101222_005105_000056203097_00361_46065_2548.N1	0	1
1	MIP_NL__0PNPDE20101222_022312_000046883097_00362_46066_2549.N1	0	1
2	MIP_NL__0PNPDE20101222_034047_000062713097_00363_46067_2550.N1	0	1
3	MIP_NL__0PNPDE20101222_052447_000060443097_00364_46068_2551.N1	0	1
4	MIP_NL__0PNPDK20101222_070500_000040763097_00365_46069_3747.N1	0	1
5	MIP_NL__0PNPDK20101222_081157_000061173097_00366_46070_3748.N1	0	1
6	MIP_NL__0PNPDK20101222_095224_000059313097_00367_46071_3749.N1	0	1
7	MIP_NL__0PNPDK20101222_112943_000060653097_00368_46072_3750.N1	0	1
8	MIP_NL__0PNPDK20101222_130951_000059813097_00369_46073_3751.N1	0	1
9	MIP_NL__0PNPDK20101222_144840_000058223097_00370_46074_3752.N1	0	1
10	MIP_NL__0PNPDK20101222_162400_000059963097_00371_46075_3753.N1	0	1
11	MIP_NL__0PNPDK20101222_180253_000059273097_00372_46076_3754.N1	0	1
12	MIP_NL__0PNPDE20101222_193953_000041553097_00373_46077_2552.N1	0	1
13	MIP_NL__0PNPDE20101222_204807_000065013097_00373_46077_2553.N1	0	1
14	MIP_NL__0PNPDE20101222_223528_000060153097_00374_46078_2554.N1	0	2

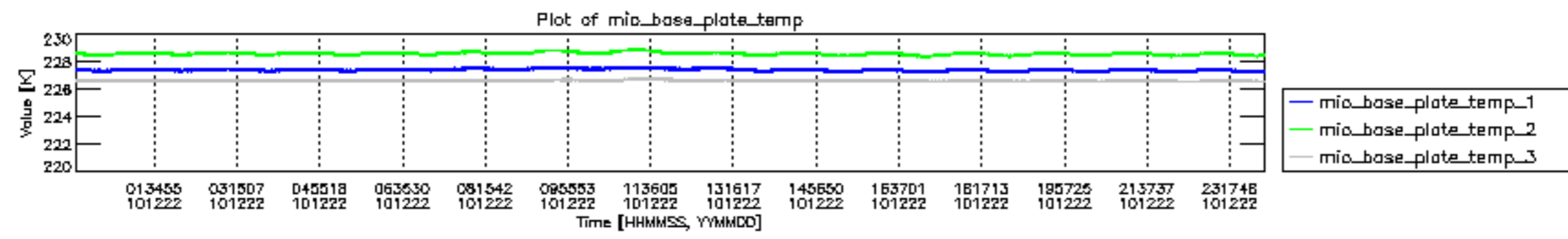


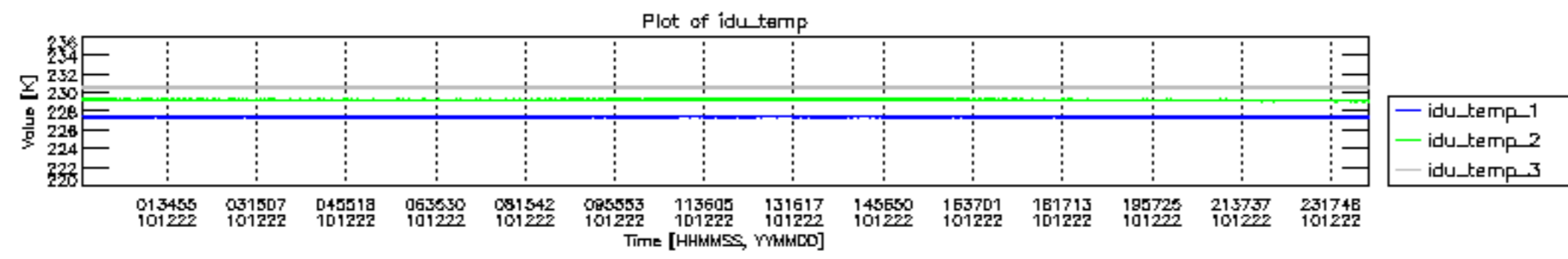
mipas_daily_report_level0_KSPT_L0_4504_N_20101222_12.PNG

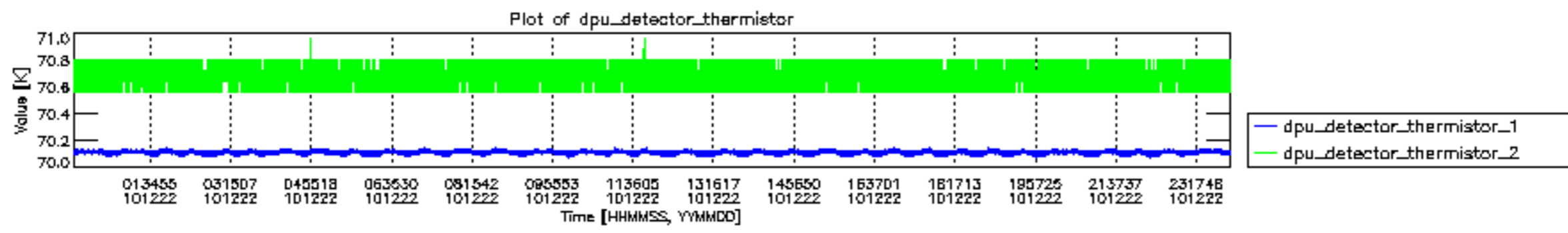


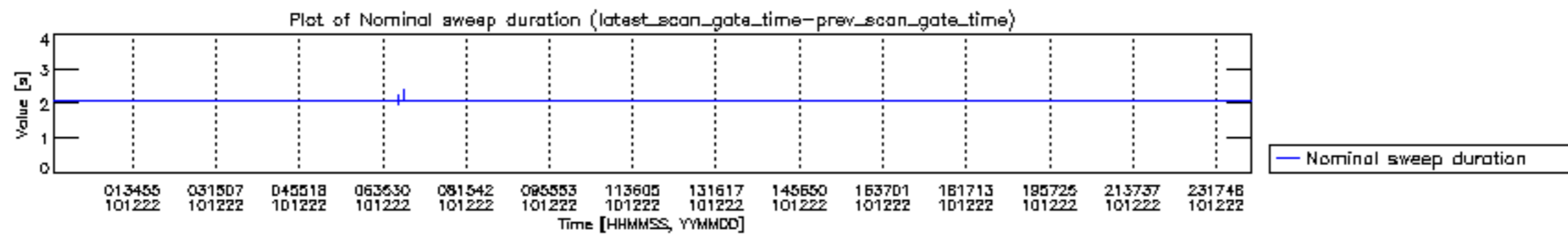
mipas_daily_report_level0_KSPT_L0_4504_N_20101222_13.PNG

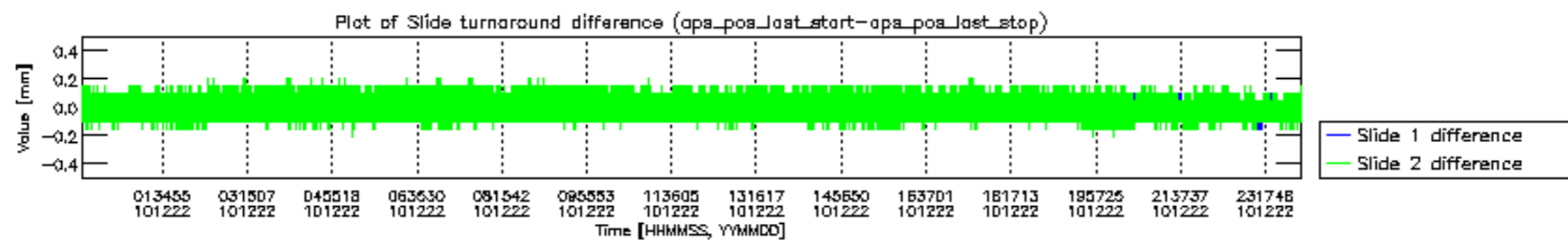


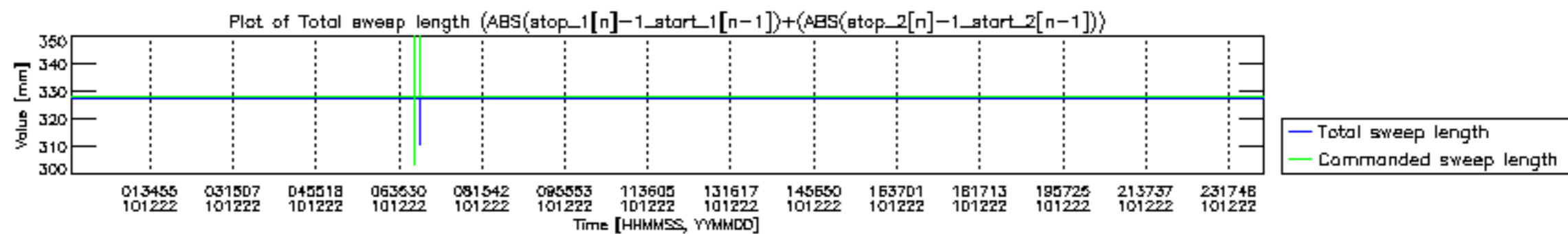


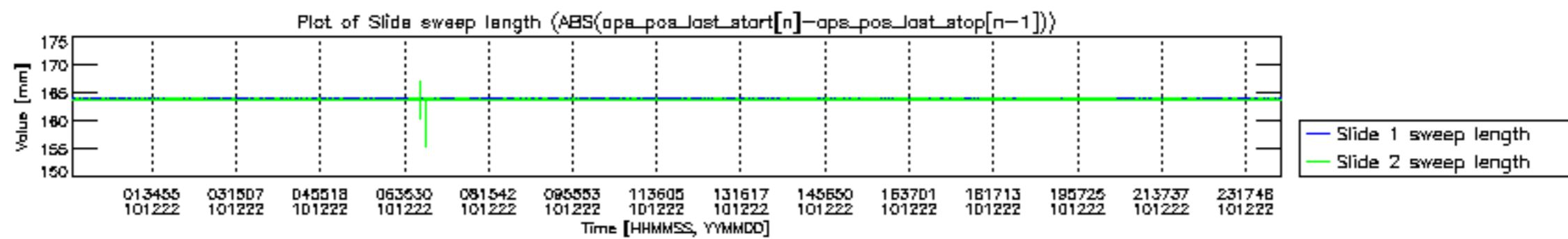


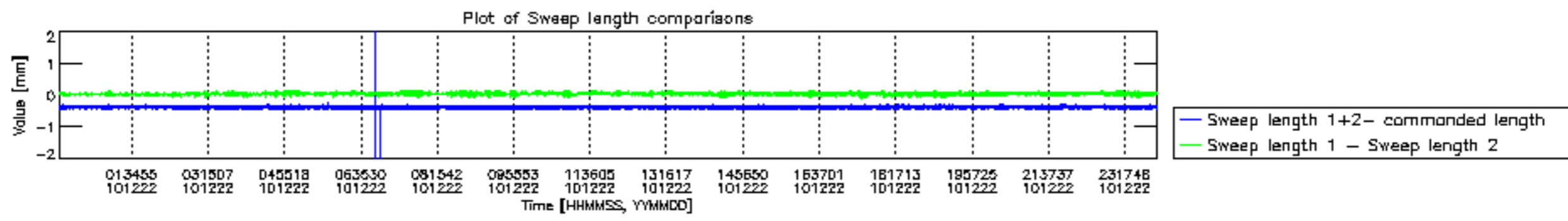


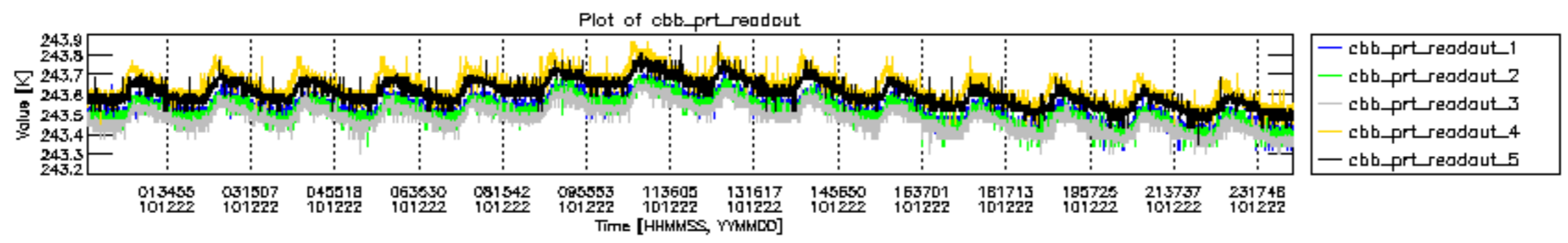


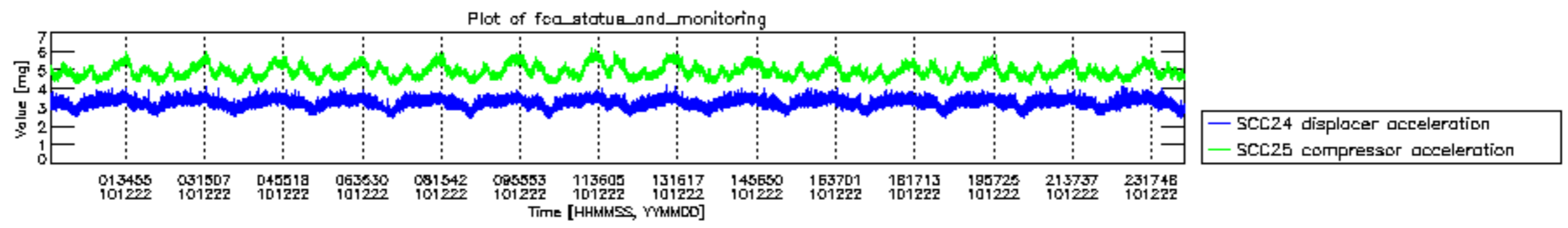












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

