

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	25NOV2011 05:24:25
Data source version	KSPT_L0/4504-N
Processing scope for products	20NOV2011 00:00:00 to 21NOV2011 00:00:00
Start time of first product within scope	20NOV2011 00:45:49
Stop time of last product within scope	21NOV2011 00:09:46
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__0PNPDE20111120_004549_000058423108_00404_50849_4874.N1	20NOV2011 00:45:49	20NOV2011 02:23:12	0	0	0	0	0
1	MIP_NL__0PNPDE20111120_022213_000045503108_00405_50850_4875.N1	20NOV2011 02:22:13	20NOV2011 03:38:03	0	0	0	0	0
2	MIP_NL__0PNPDE20111120_033727_000061733108_00406_50851_4876.N1	20NOV2011 03:37:27	20NOV2011 05:20:21	0	0	0	0	0
3	MIP_NL__0PNPDE20111120_051947_000059843108_00407_50852_4877.N1	20NOV2011 05:19:47	20NOV2011 06:59:32	0	0	0	0	0
4	MIP_NL__0PNPDK20111120_065858_000040443108_00408_50853_7575.N1	20NOV2011 06:58:58	20NOV2011 08:06:23	0	0	0	0	0
5	MIP_NL__0PNPDK20111120_080522_000060503108_00409_50854_7576.N1	20NOV2011 08:05:22	20NOV2011 09:46:12	0	0	0	0	0
6	MIP_NL__0PNPDK20111120_094450_000061583108_00410_50855_7577.N1	20NOV2011 09:44:50	20NOV2011 11:27:29	0	0	0	0	0
7	MIP_NL__0PNPDK20111120_112546_000060063108_00411_50856_7578.N1	20NOV2011 11:25:46	20NOV2011 13:05:52	0	0	0	0	0
8	MIP_NL__0PNPDK20111120_130425_000059183108_00412_50857_7579.N1	20NOV2011 13:04:25	20NOV2011 14:43:03	0	0	0	0	0
9	MIP_NL__0PNPDK20111120_144217_000059703108_00413_50858_7580.N1	20NOV2011 14:42:17	20NOV2011 16:21:47	0	0	0	0	0
10	MIP_NL__0PNPDK20111120_162112_000058703108_00414_50859_7581.N1	20NOV2011 16:21:12	20NOV2011 17:59:02	0	0	0	0	0
11	MIP_NL__0PNPDK20111120_175759_000059543108_00415_50860_7582.N1	20NOV2011 17:57:59	20NOV2011 19:37:13	0	0	0	0	0
12	MIP_NL__0PNPDK20111120_193522_000062133108_00416_50861_7583.N1	20NOV2011 19:35:22	20NOV2011 21:18:55	1	1	0	0	0
13	MIP_NL__0PNPDE20111120_211723_000042803108_00417_50862_4878.N1	20NOV2011 21:17:23	20NOV2011 22:28:44	0	0	0	0	0
14	MIP_NL__0PNPDE20111120_222745_000061213108_00417_50862_4879.N1	20NOV2011 22:27:45	21NOV2011 00:09:46	0	0	0	0	0

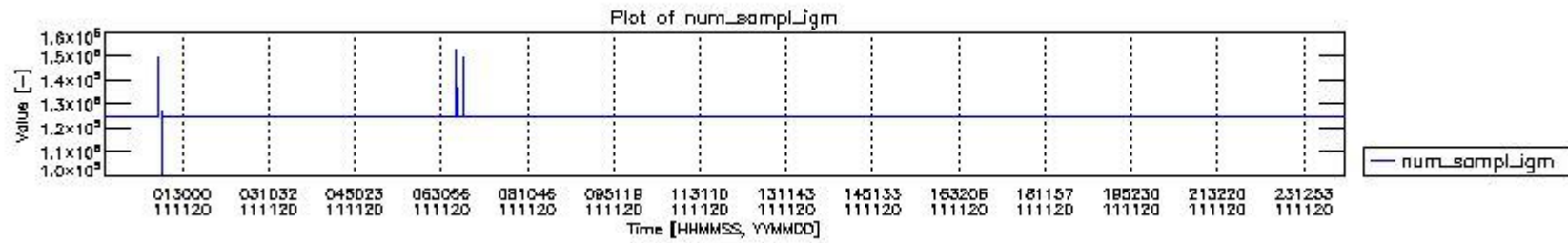
0.2 Instrument Operational Performance Parameters

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.

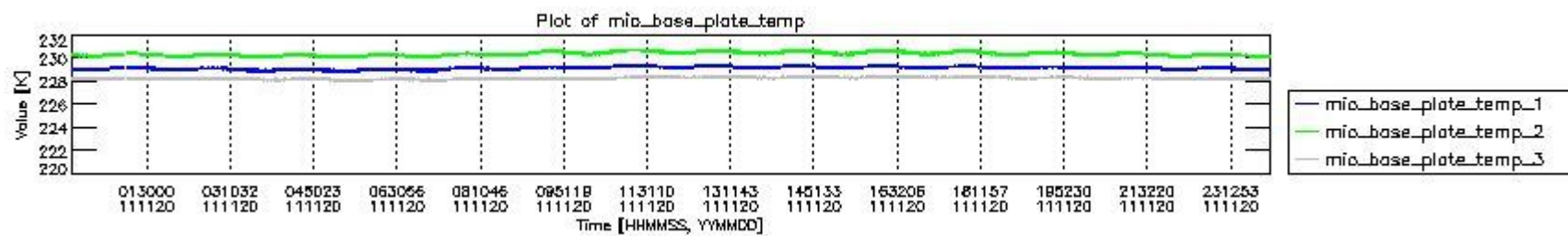
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100706	1	0.0024039617
124800	39200	94.235300
124803	2386	5.7358527

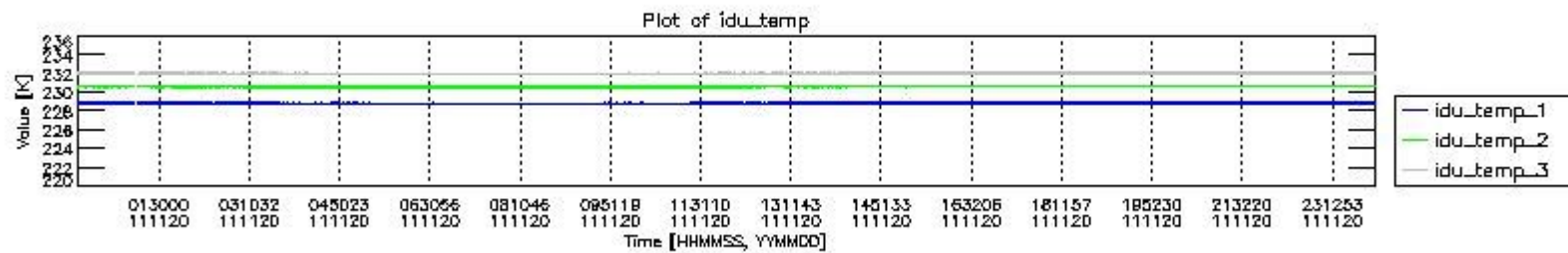
125958	1	0.0024039617
127085	1	0.0024039617
127116	1	0.0024039617
127233	1	0.0024039617
128646	1	0.0024039617
147217	1	0.0024039617
147365	1	0.0024039617
148778	1	0.0024039617
149502	1	0.0024039617
149798	1	0.0024039617
152624	1	0.0024039617



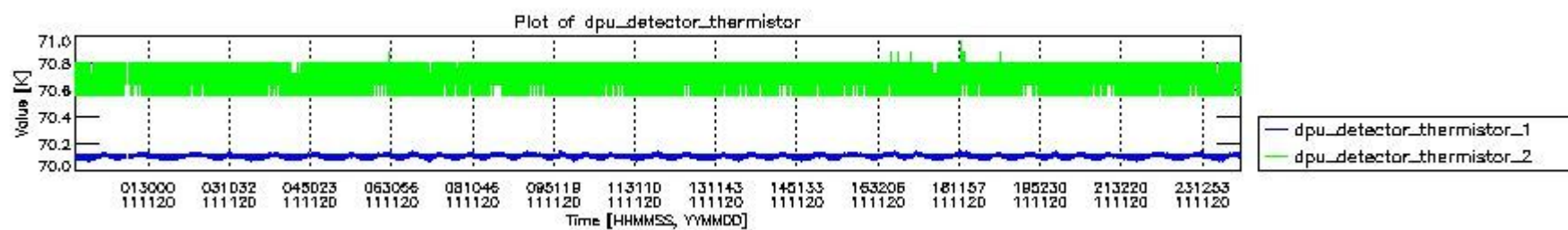
mipas_daily_report_level0_KSPT_L0_4504_N_20111120_0.PNG



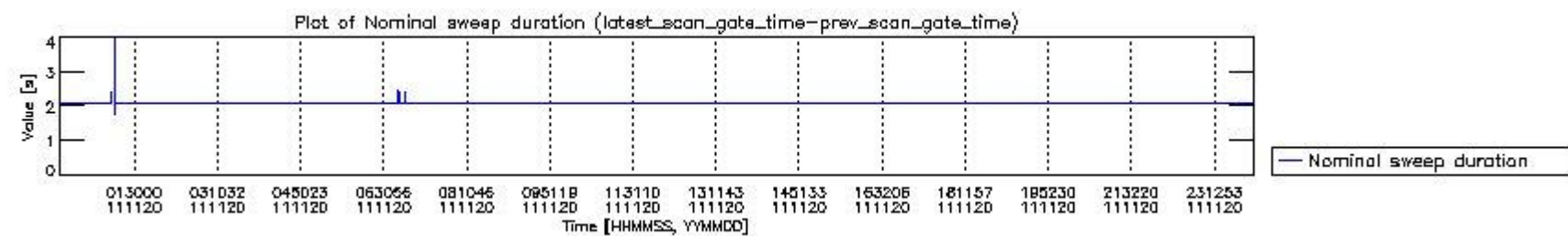
mipas_daily_report_level0_KSPT_L0_4504_N_20111120_1.PNG



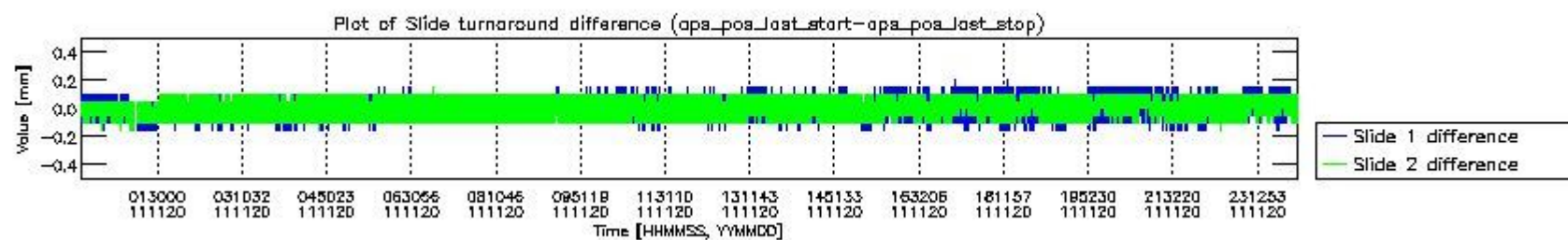
mipas_daily_report_level0_KSPT_L0_4504_N_20111120_2.PNG



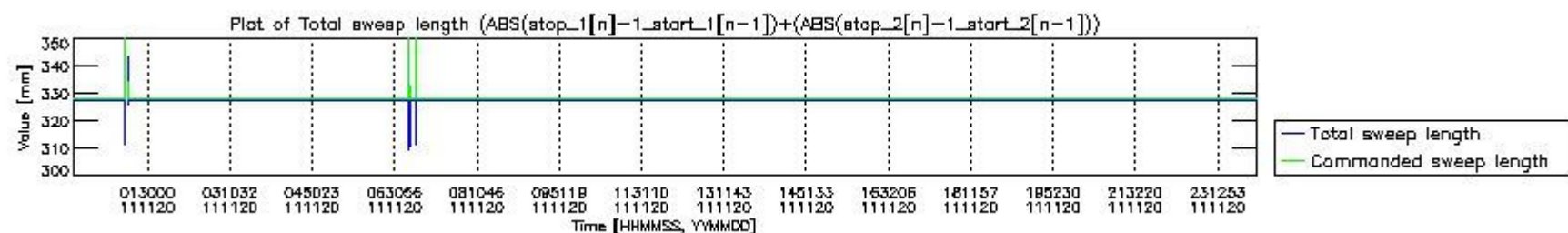
mipas_daily_report_level0_KSPT_L0_4504_N_20111120_3.PNG



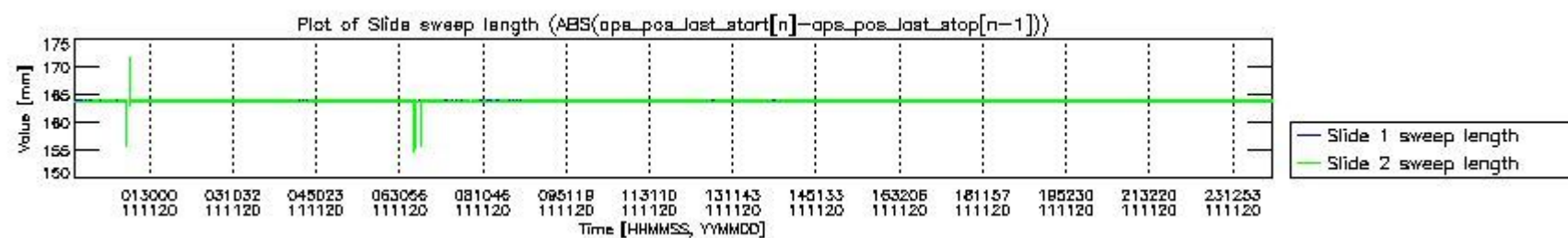
mipas_daily_report_level0_KSPT_L0_4504_N_20111120_4.PNG



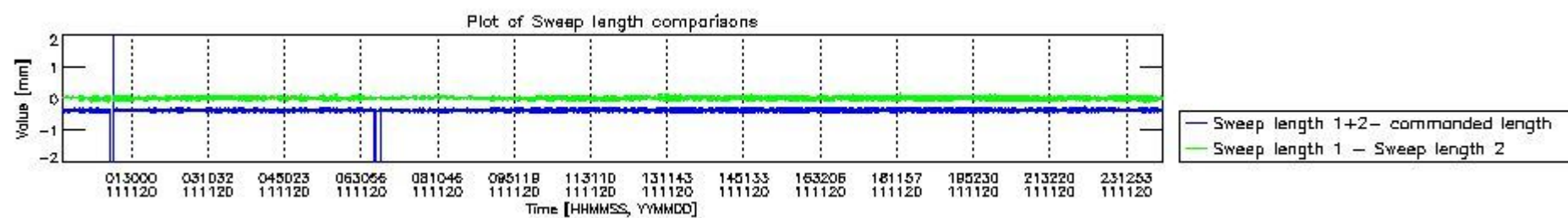
mipas_daily_report_level0_KSPT_L0_4504_N_20111120_5.PNG



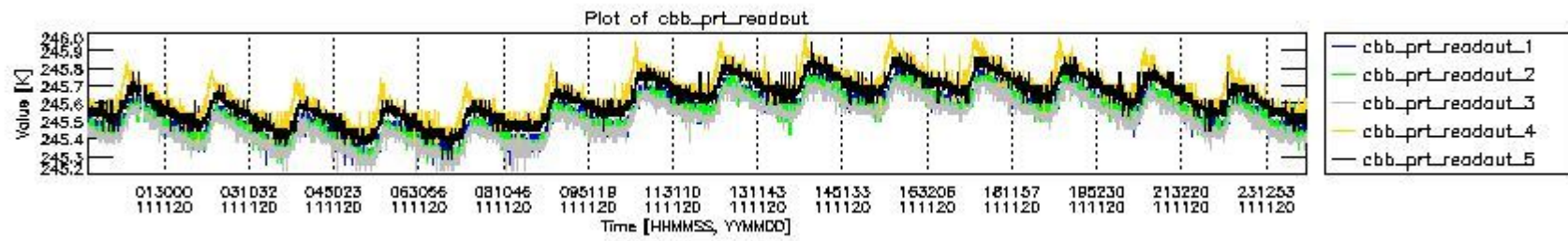
mipas_daily_report_level0_KSPT_L0_4504_N_20111120_6.PNG



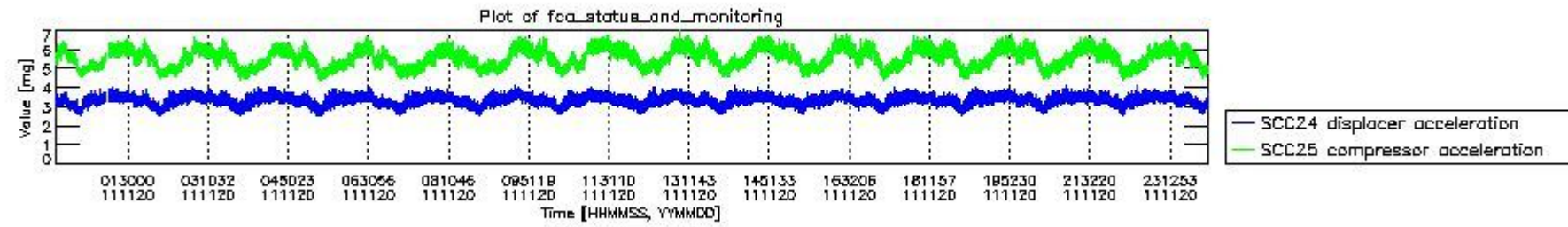
mipas_daily_report_level0_KSPT_L0_4504_N_20111120_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111120_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111120_9.PNG

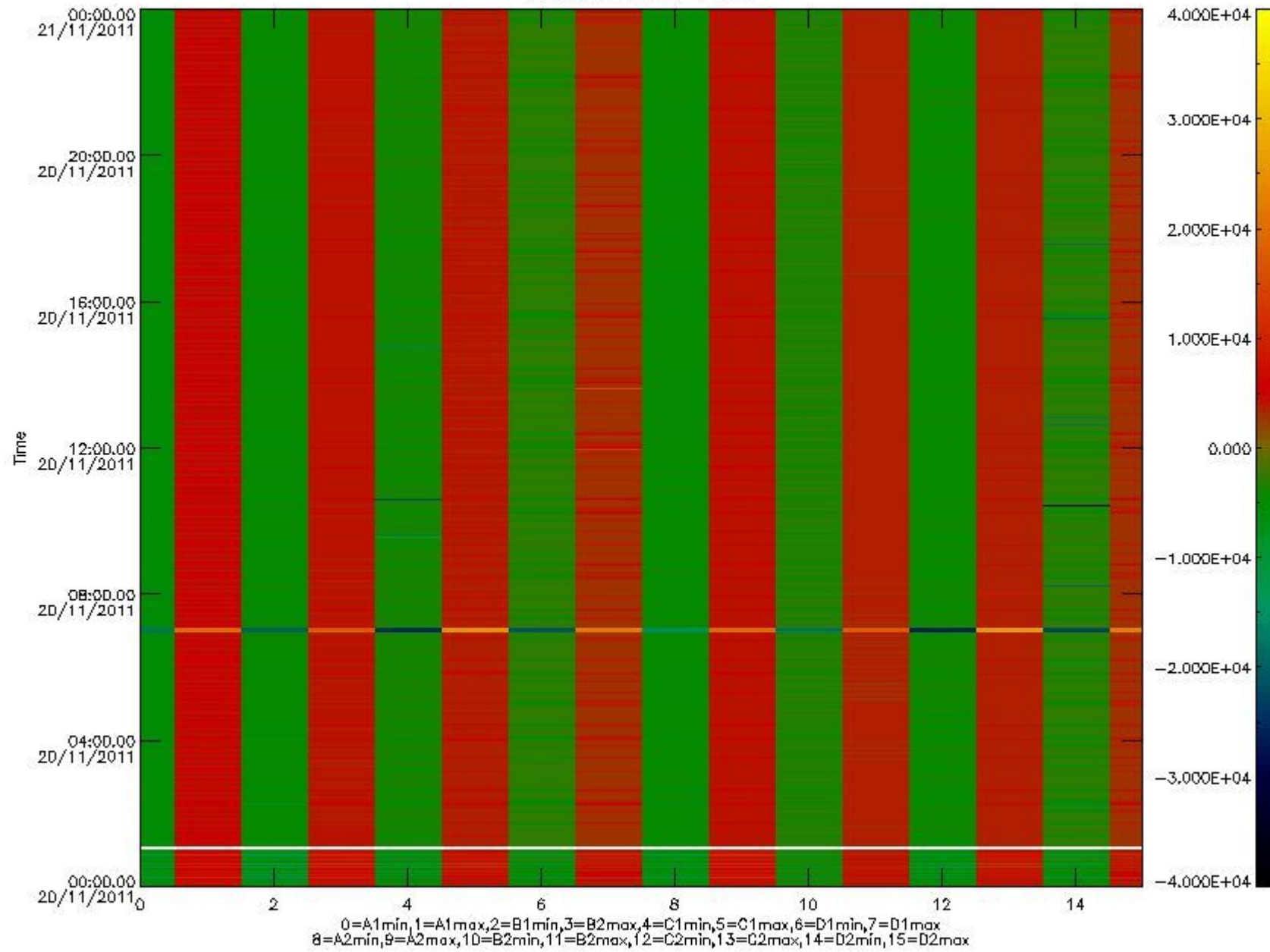


mipas_daily_report_level0_KSPT_L0_4504_N_20111120_10.PNG

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

Channel	Min	Max	ADC
A1	-18436	19530	16bit
B1	-20919	17924	16bit
C1	-25605	25549	16bit
D1	-21559	32767	16bit
A2	-15969	19717	16bit
B2	-18803	18432	16bit
C2	-26686	26290	16bit
D2	-32768	23488	16bit

MIPNL0P_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111120_11.PNG

0.3 ADF monitoring

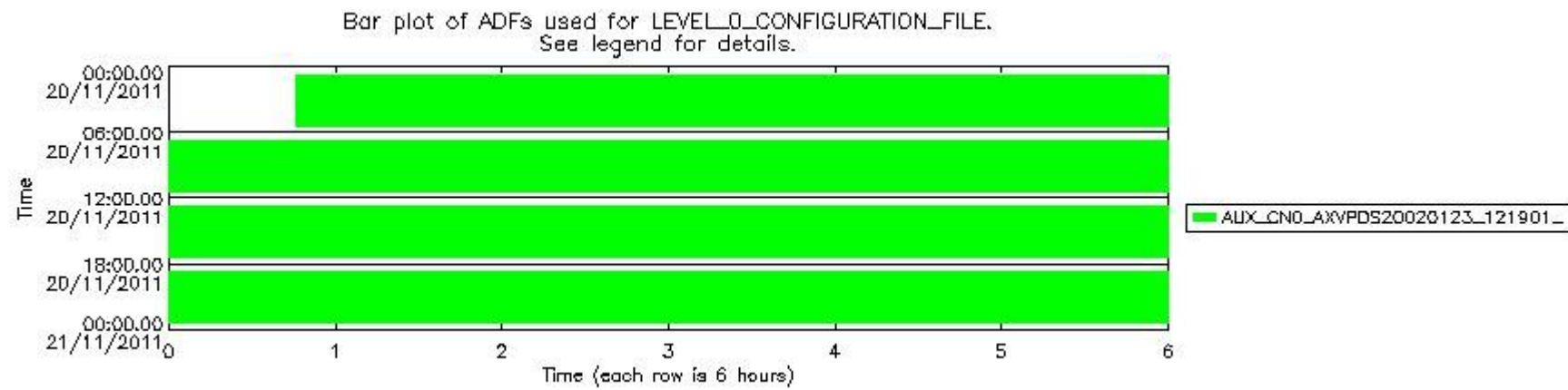
The use of ADFs is shown in two ways:

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.

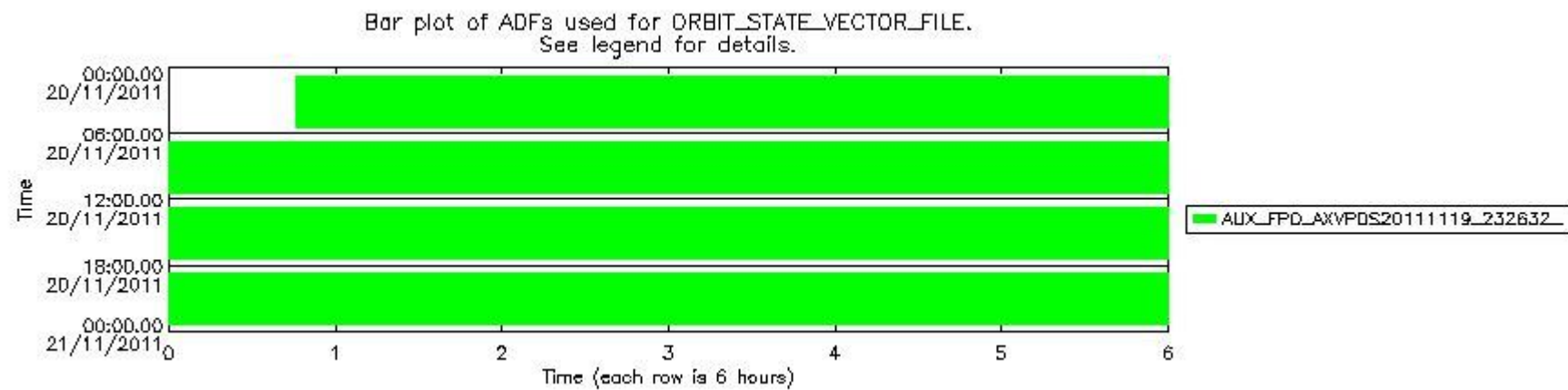
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111119_232632_20111119_195715_20111129_203043

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111120_004549_000058423108_00404_50849_4874.N1	0	1

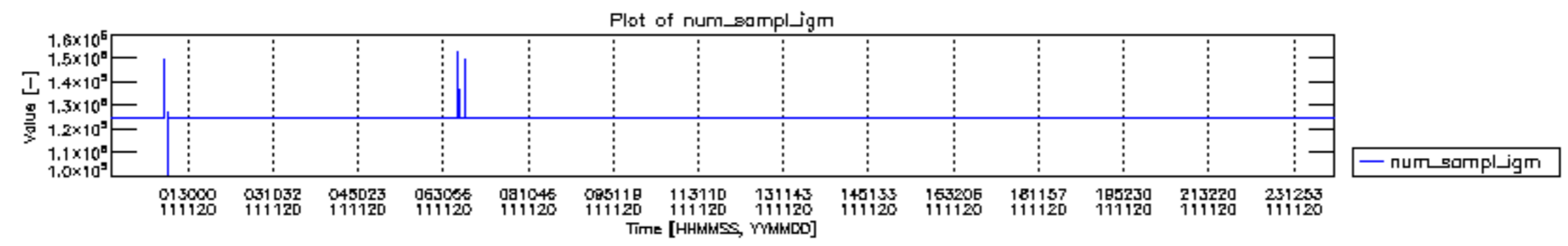
1	MIP_NL__0PNPDE20111120_022213_000045503108_00405_50850_4875.N1	0	1
2	MIP_NL__0PNPDE20111120_033727_000061733108_00406_50851_4876.N1	0	1
3	MIP_NL__0PNPDE20111120_051947_000059843108_00407_50852_4877.N1	0	1
4	MIP_NL__0PNPDK20111120_065858_000040443108_00408_50853_7575.N1	0	1
5	MIP_NL__0PNPDK20111120_080522_000060503108_00409_50854_7576.N1	0	1
6	MIP_NL__0PNPDK20111120_094450_000061583108_00410_50855_7577.N1	0	1
7	MIP_NL__0PNPDK20111120_112546_000060063108_00411_50856_7578.N1	0	1
8	MIP_NL__0PNPDK20111120_130425_000059183108_00412_50857_7579.N1	0	1
9	MIP_NL__0PNPDK20111120_144217_000059703108_00413_50858_7580.N1	0	1
10	MIP_NL__0PNPDK20111120_162112_000058703108_00414_50859_7581.N1	0	1
11	MIP_NL__0PNPDK20111120_175759_000059543108_00415_50860_7582.N1	0	1
12	MIP_NL__0PNPDK20111120_193522_000062133108_00416_50861_7583.N1	0	1
13	MIP_NL__0PNPDE20111120_211723_000042803108_00417_50862_4878.N1	0	1
14	MIP_NL__0PNPDE20111120_222745_000061213108_00417_50862_4879.N1	0	1

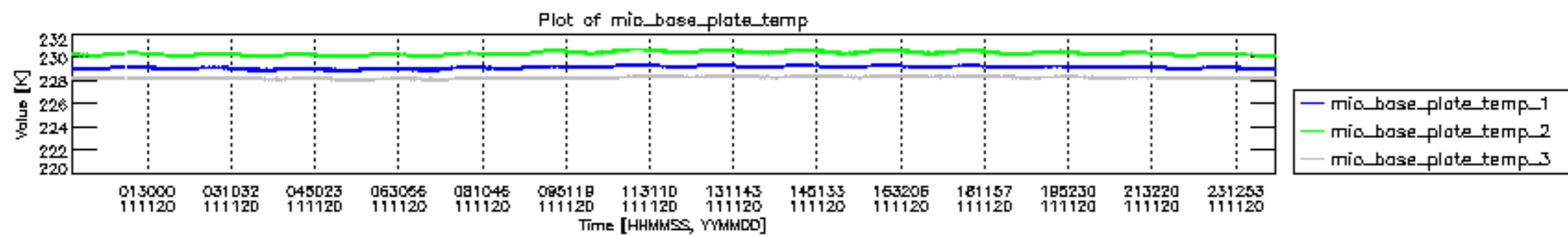


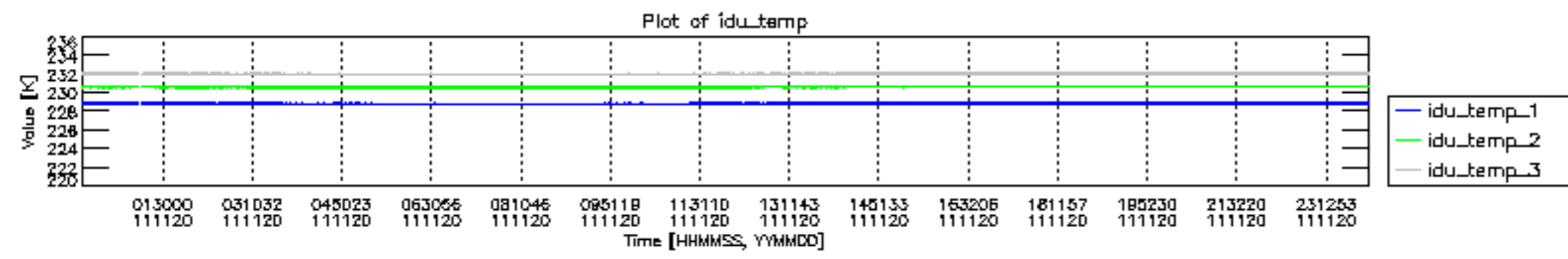
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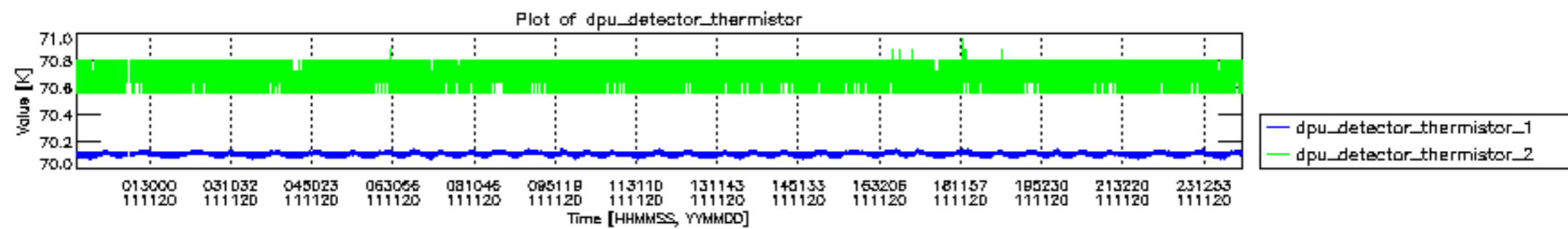


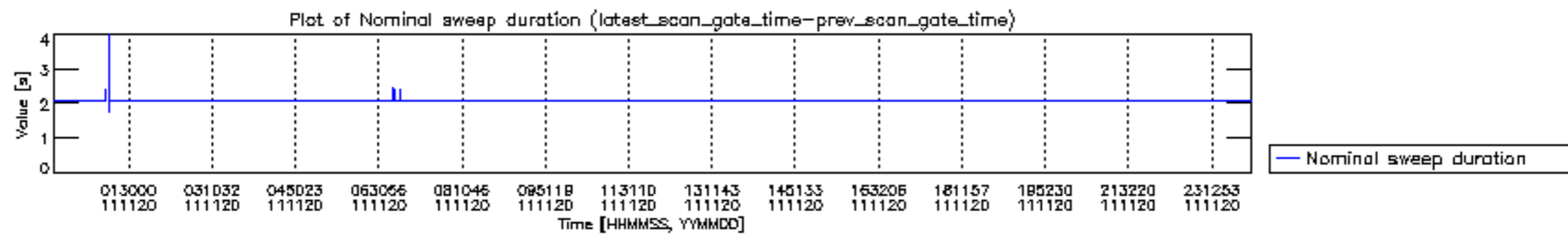
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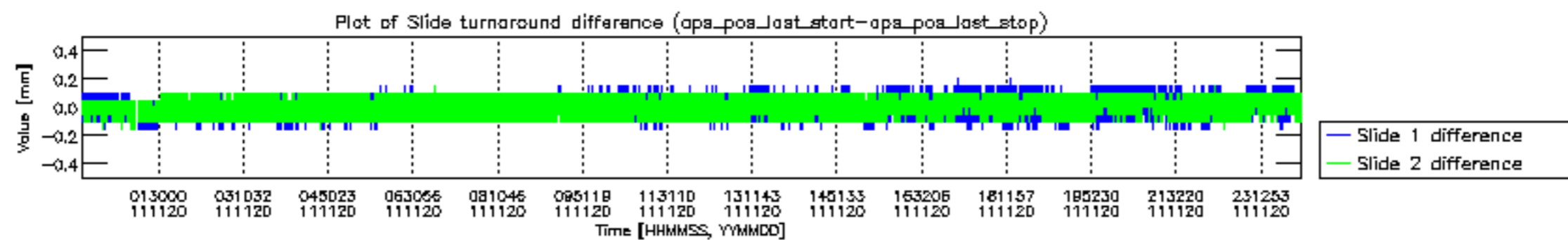


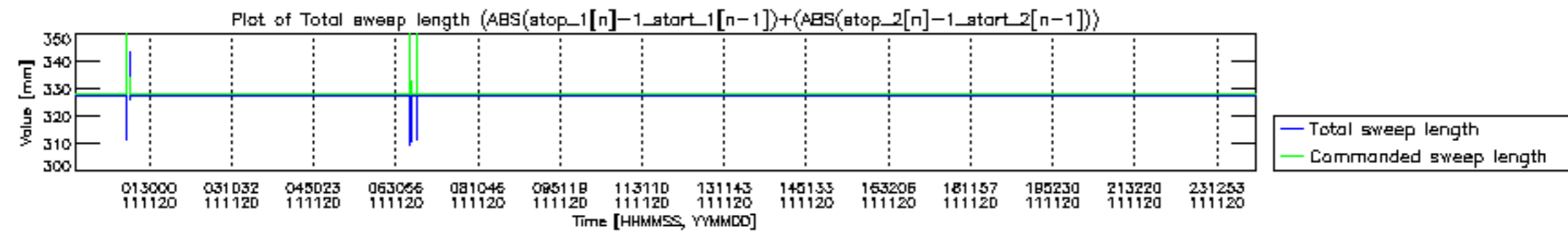


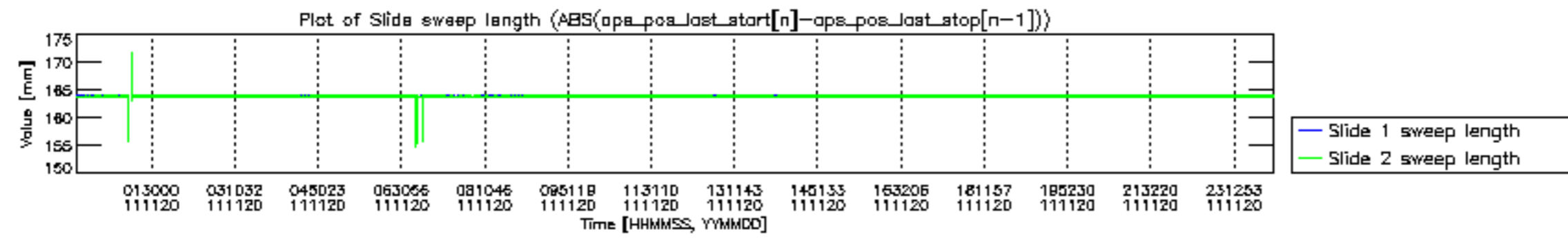


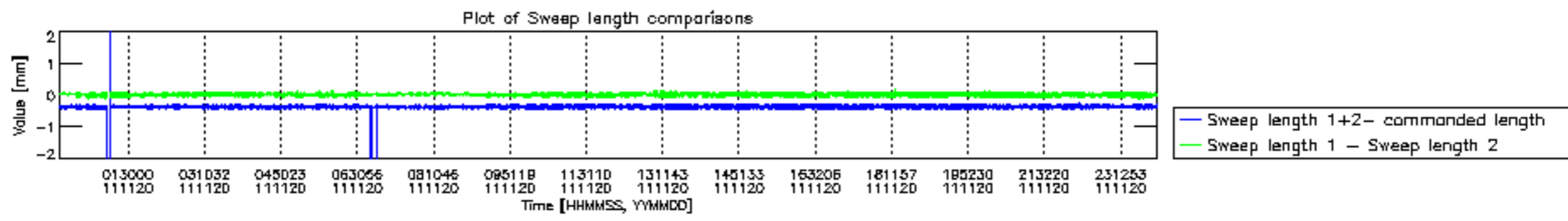


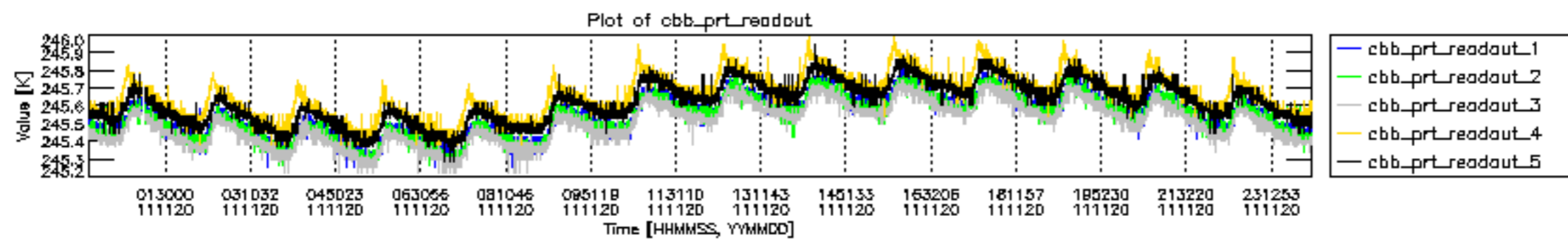


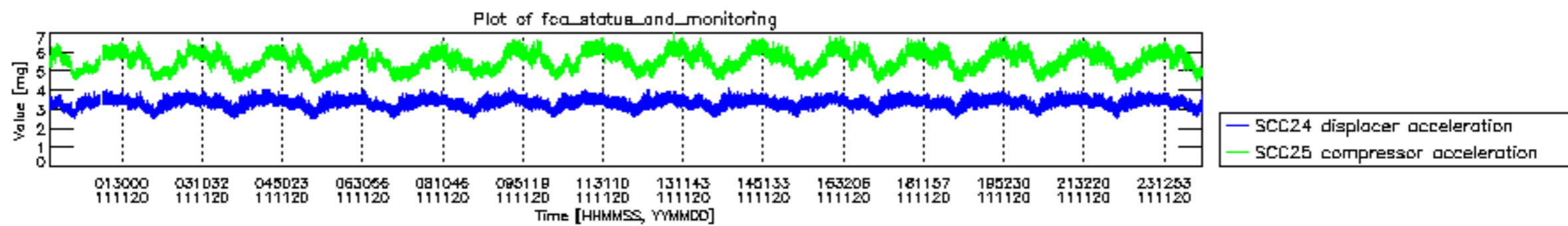












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

