

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	27NOV2011 05:23:51
Data source version	KSPT_L0/4504-N
Processing scope for products	22NOV2011 00:00:00 to 23NOV2011 00:00:00
Start time of first product within scope	22NOV2011 01:12:01
Stop time of last product within scope	23NOV2011 00:36:20
Total number of level 0 products	13
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__0PNPDE20111122_011201_000102913109_00002_50878_4887.N1	22NOV2011 01:12:01	22NOV2011 04:03:31	0	0	0	0	0
1	MIP_NL__0PNPDE20111122_040258_000062463109_00004_50880_4888.N1	22NOV2011 04:02:58	22NOV2011 05:47:04	0	0	0	0	0
2	MIP_NL__0PNPDE20111122_054631_000023303109_00005_50881_4889.N1	22NOV2011 05:46:31	22NOV2011 06:25:20	0	0	0	0	0
3	MIP_NL__0PNPDK20111122_094516_000016523109_00007_50883_7594.N1	22NOV2011 09:45:16	22NOV2011 10:12:49	0	0	0	0	0
4	MIP_NL__0PNPDK20111122_101108_000060763109_00008_50884_7595.N1	22NOV2011 10:11:08	22NOV2011 11:52:24	0	0	0	0	0
5	MIP_NL__0PNPDK20111122_115044_000061523109_00009_50885_7596.N1	22NOV2011 11:50:44	22NOV2011 13:33:16	0	0	0	0	0
6	MIP_NL__0PNPDK20111122_133138_000059873109_00010_50886_7597.N1	22NOV2011 13:31:38	22NOV2011 15:11:25	1	1	0	0	0
7	MIP_NL__0PNPDK20111122_150951_000058083109_00011_50887_7598.N1	22NOV2011 15:09:51	22NOV2011 16:46:39	0	0	0	0	0
8	MIP_NL__0PNPDK20111122_164538_000059753109_00012_50888_7599.N1	22NOV2011 16:45:38	22NOV2011 18:25:13	0	0	0	0	0
9	MIP_NL__0PNPDK20111122_182408_000060713109_00013_50889_7600.N1	22NOV2011 18:24:08	22NOV2011 20:05:19	0	0	0	0	0
10	MIP_NL__0PNPDE20111122_200318_000040533109_00014_50890_4890.N1	22NOV2011 20:03:18	22NOV2011 21:10:50	0	0	0	0	0
11	MIP_NL__0PNPDE20111122_210916_000064683109_00014_50890_4891.N1	22NOV2011 21:09:16	22NOV2011 22:57:04	0	0	0	0	0
12	MIP_NL__0PNPDE20111122_225557_000060233109_00015_50891_4892.N1	22NOV2011 22:55:57	23NOV2011 00:36:20	0	0	0	0	0

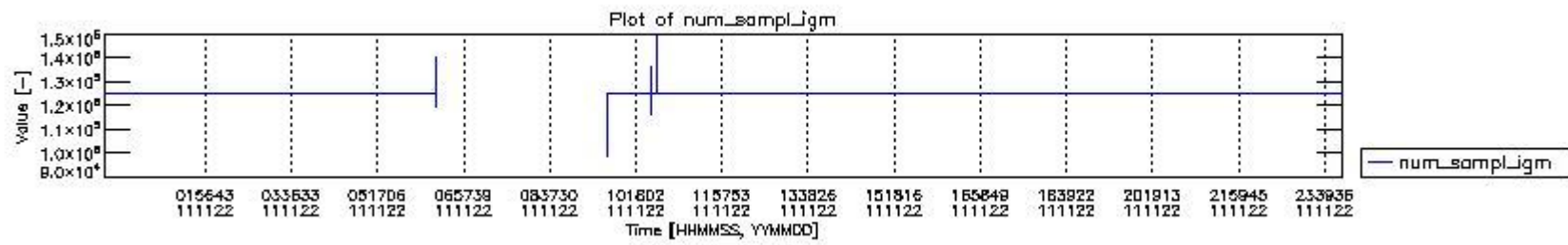
0.2 Instrument Operational Performance Parameters

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.

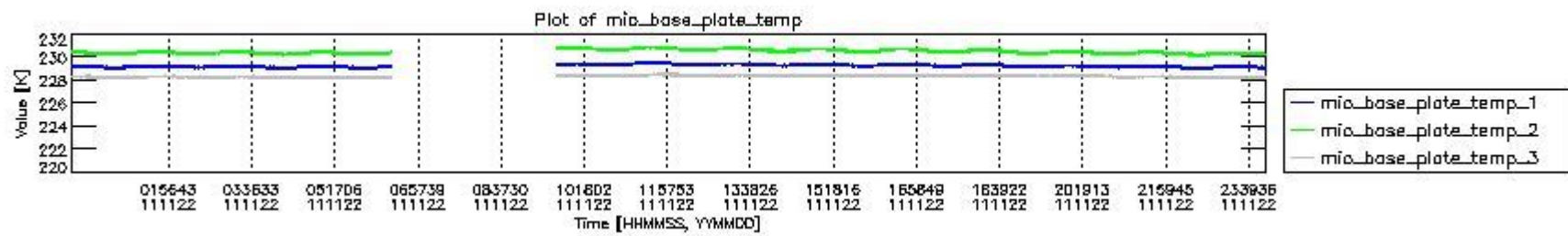
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98996	1	0.0027879227
116305	1	0.0027879227
119948	1	0.0027879227
123696	1	0.0027879227
124248	1	0.0027879227

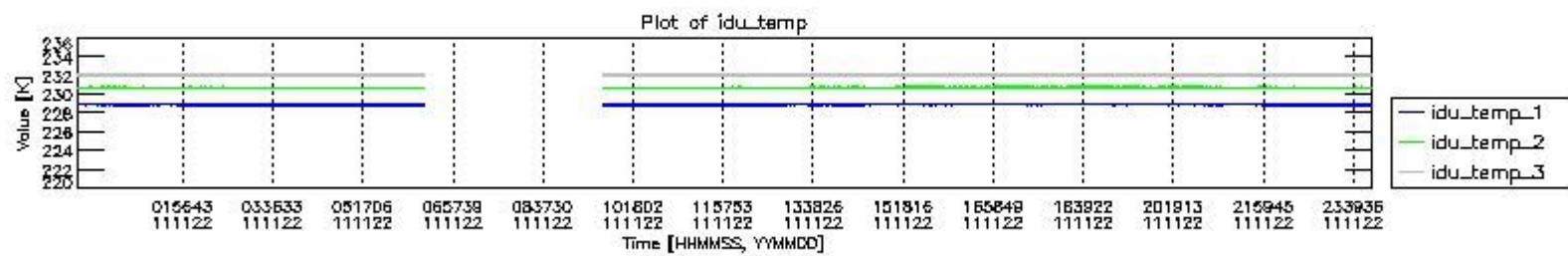
124800	33311	92.868494
124803	2546	7.0980512
126936	1	0.0027879227
127942	1	0.0027879227
135228	1	0.0027879227
136437	1	0.0027879227
140080	1	0.0027879227
147068	1	0.0027879227
149204	1	0.0027879227



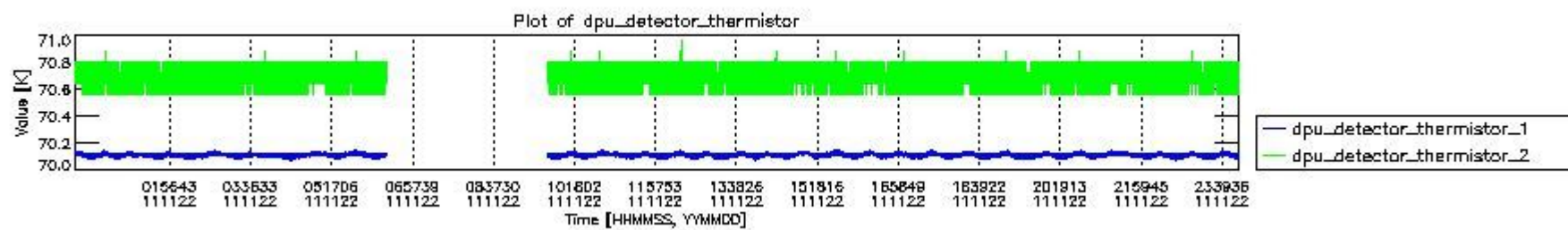
mipas_daily_report_level0_KSPT_L0_4504_N_20111122_0.PNG



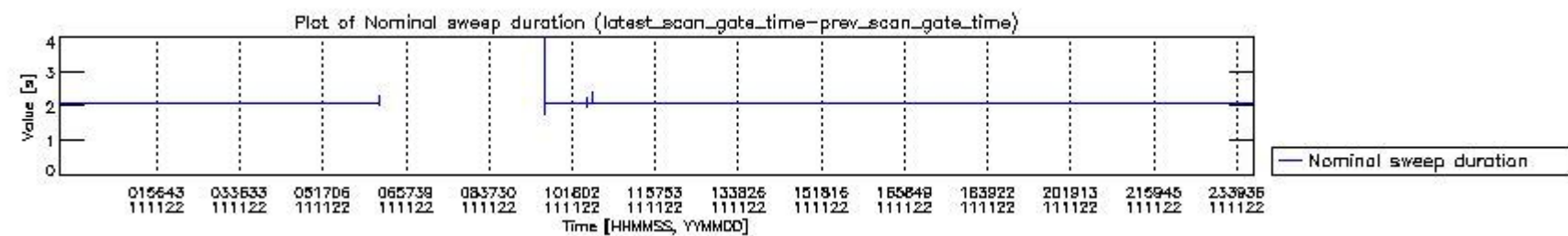
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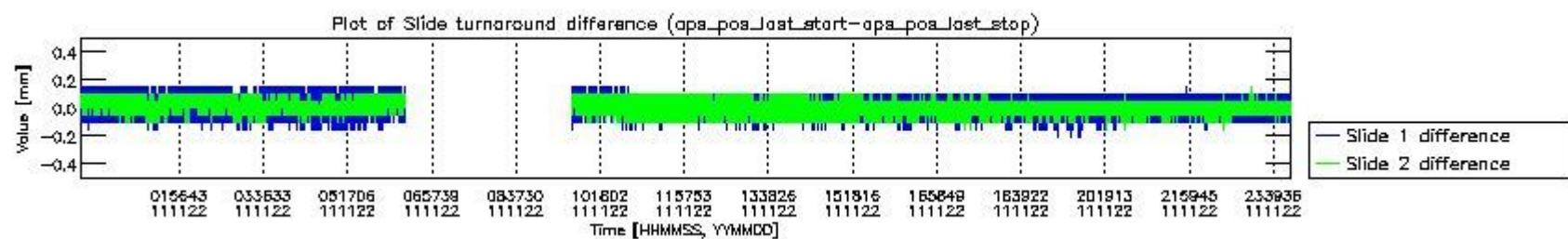
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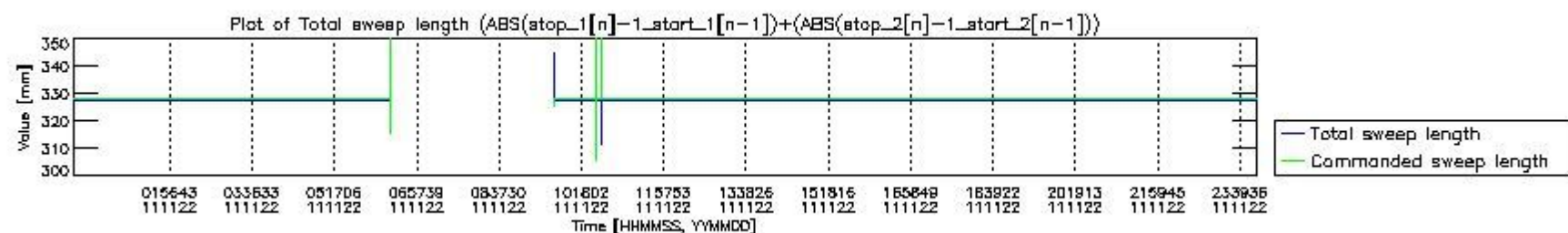
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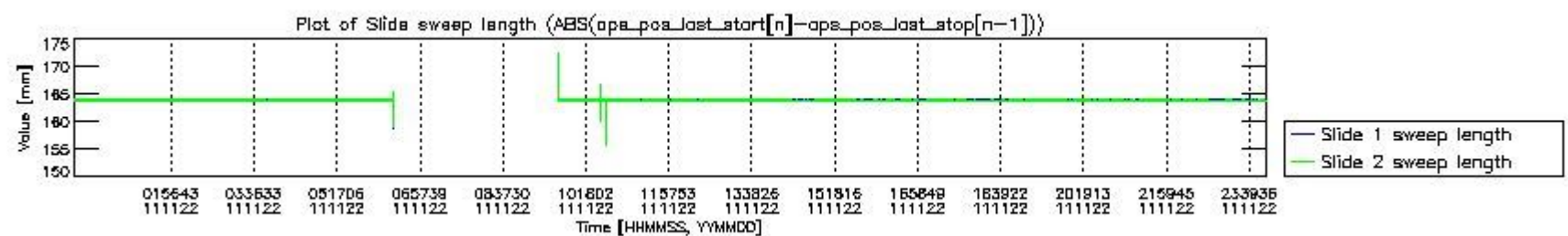
mipas_daily_report_level0_KSPT_L0_4504_N_20111122_4.PNG



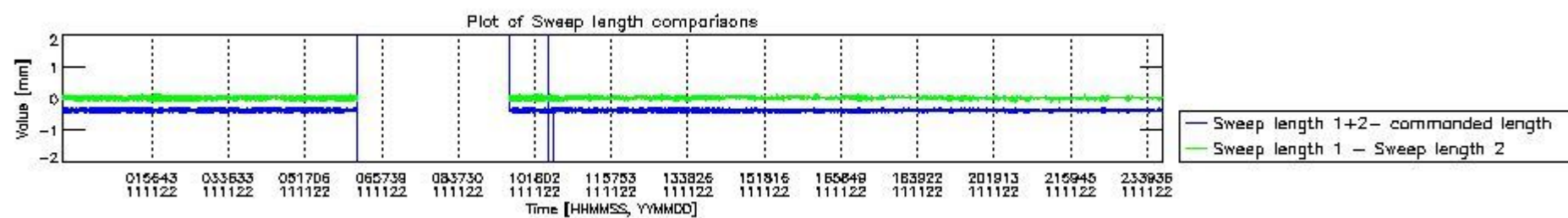
mipas_daily_report_level0_KSPT_L0_4504_N_20111122_5.PNG



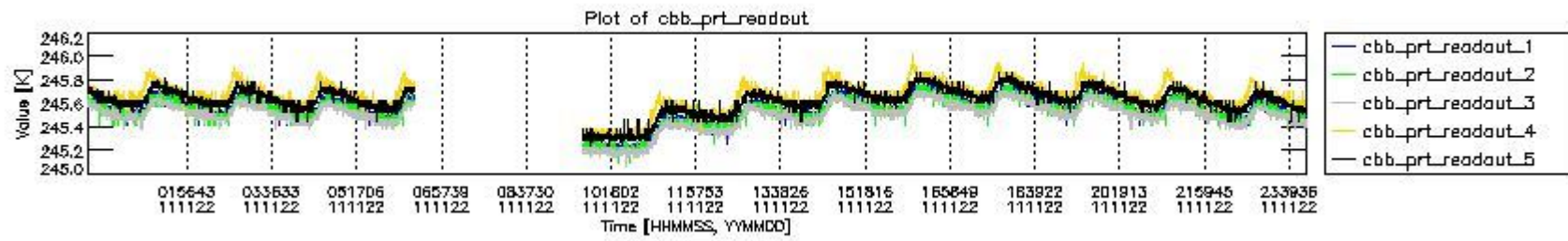
mipas_daily_report_level0_KSPT_L0_4504_N_20111122_6.PNG



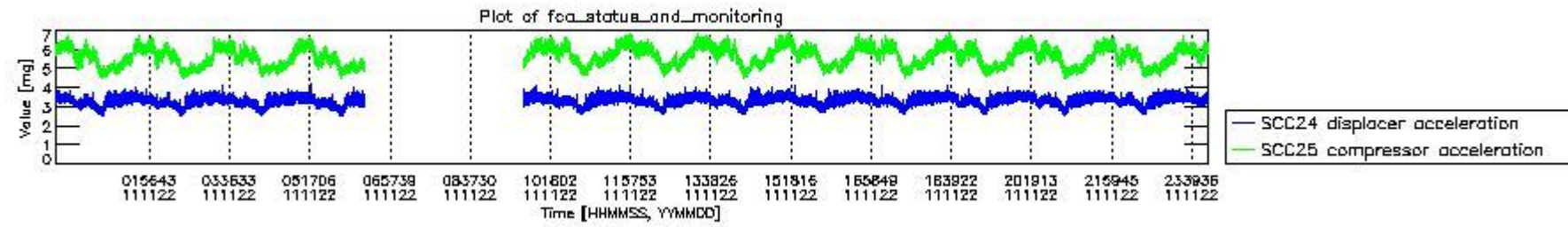
mipas_daily_report_level0_KSPT_L0_4504_N_20111122_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111122_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111122_9.PNG

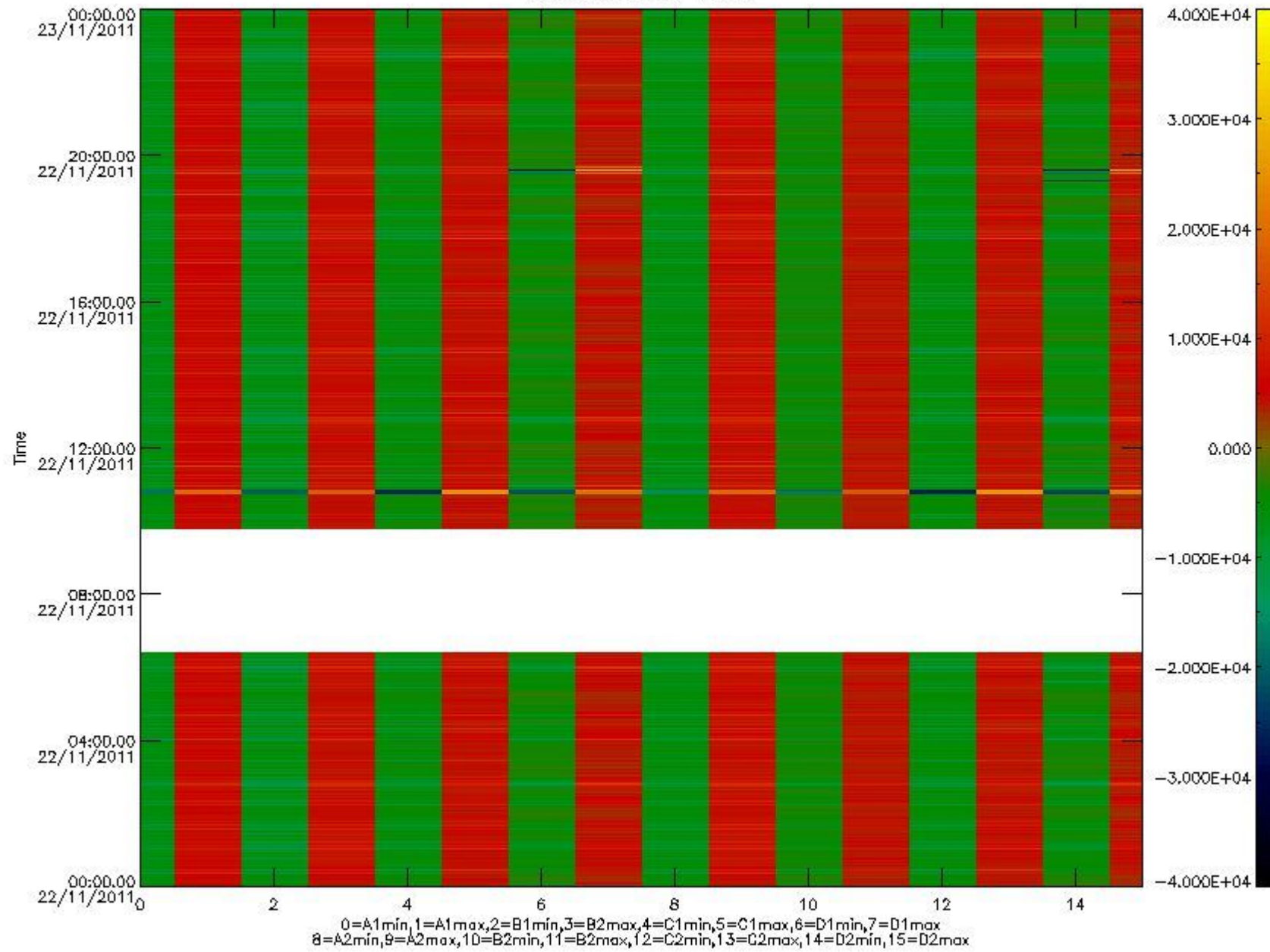


mipas_daily_report_level0_KSPT_L0_4504_N_20111122_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-25605	25601	16bit
D1	-32768	32767	16bit
A2	-32768	28273	16bit
B2	-32768	32767	16bit
C2	-26658	26331	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_20111122_11.PNG

0.3 ADF monitoring

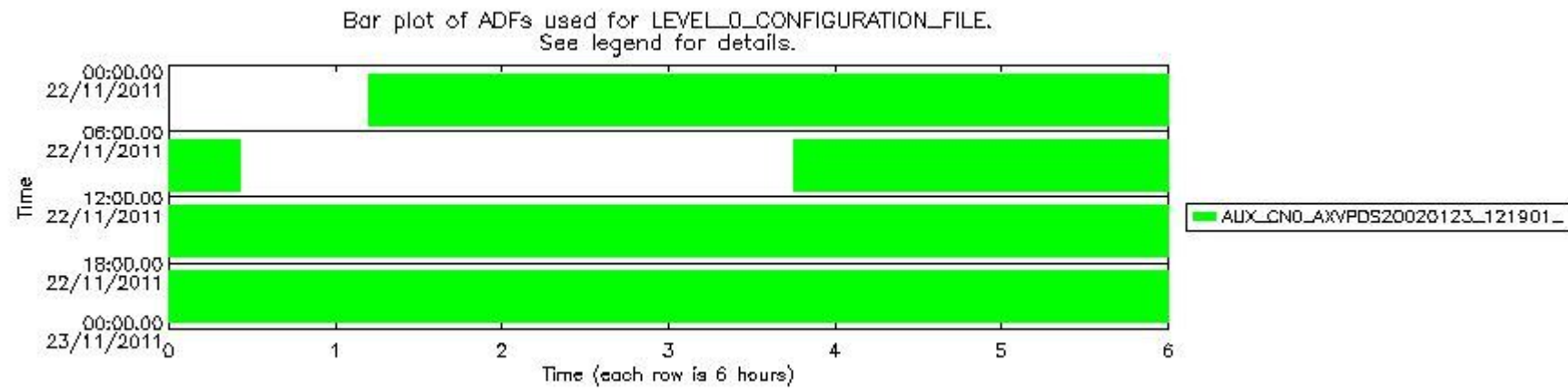
The use of ADFs is shown in two ways:

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.

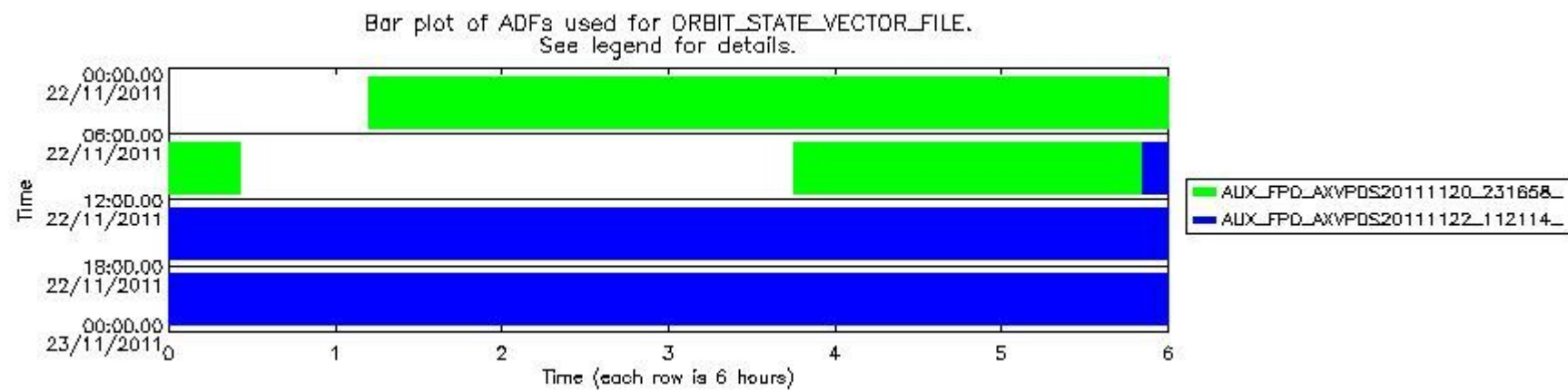
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111120_231658_20111120_192030_20111130_213412
2	AUX_FPO_AXVPDS20111122_112114_20111121_184346_20111201_205728

Number	Product name	#CN0	#FPO
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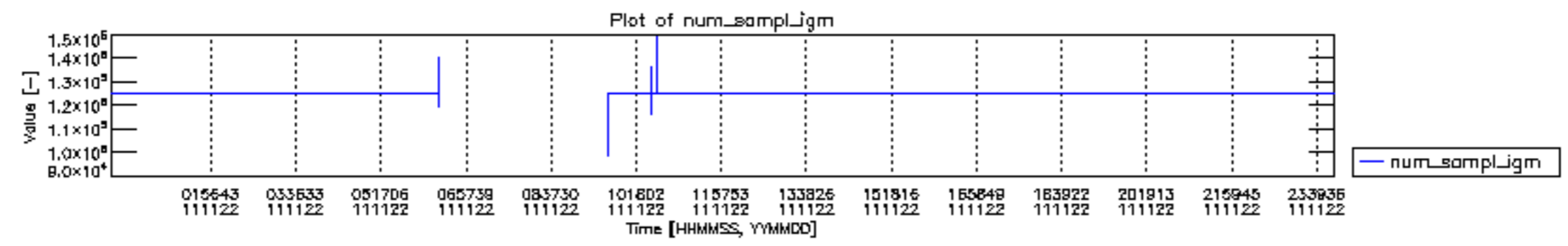
0	MIP_NL__0PNPDE20111122_011201_000102913109_00002_50878_4887.N1	0	1
1	MIP_NL__0PNPDE20111122_040258_000062463109_00004_50880_4888.N1	0	1
2	MIP_NL__0PNPDE20111122_054631_000023303109_00005_50881_4889.N1	0	1
3	MIP_NL__0PNPDK20111122_094516_000016523109_00007_50883_7594.N1	0	1
4	MIP_NL__0PNPDK20111122_101108_000060763109_00008_50884_7595.N1	0	1
5	MIP_NL__0PNPDK20111122_115044_000061523109_00009_50885_7596.N1	0	2
6	MIP_NL__0PNPDK20111122_133138_000059873109_00010_50886_7597.N1	0	2
7	MIP_NL__0PNPDK20111122_150951_000058083109_00011_50887_7598.N1	0	2
8	MIP_NL__0PNPDK20111122_164538_000059753109_00012_50888_7599.N1	0	2
9	MIP_NL__0PNPDK20111122_182408_000060713109_00013_50889_7600.N1	0	2
10	MIP_NL__0PNPDE20111122_200318_000040533109_00014_50890_4890.N1	0	2
11	MIP_NL__0PNPDE20111122_210916_000064683109_00014_50890_4891.N1	0	2
12	MIP_NL__0PNPDE20111122_225557_000060233109_00015_50891_4892.N1	0	2

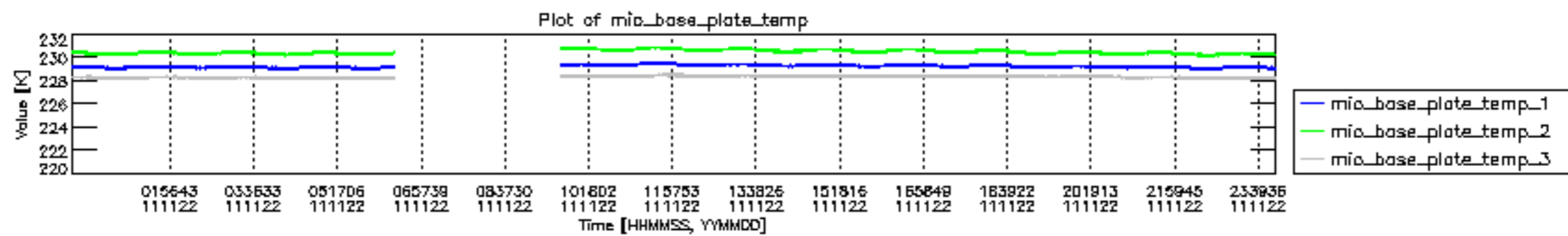


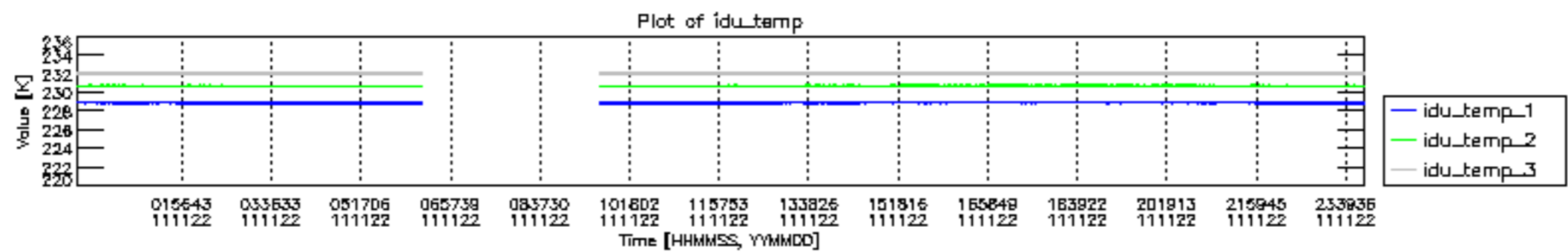
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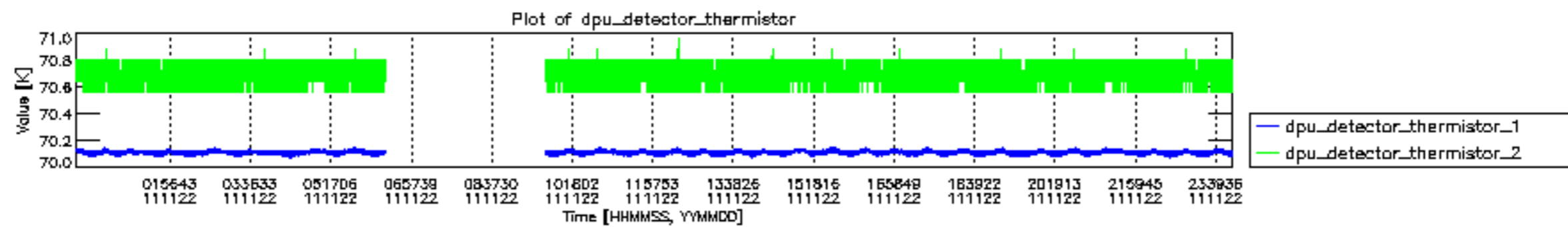


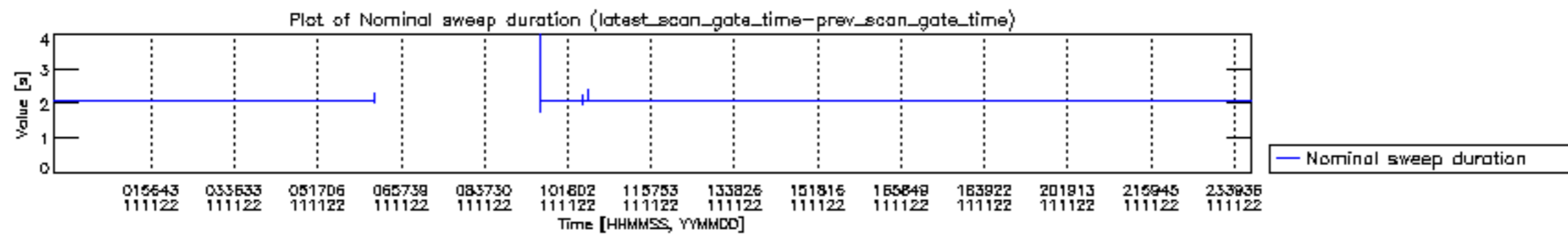
mipas_daily_report_level0_KSPT_L0_4504_N_20111122_13.PNG

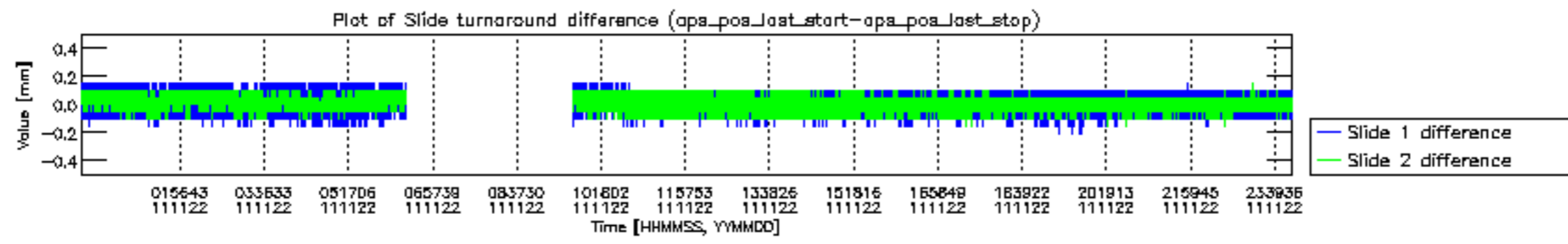


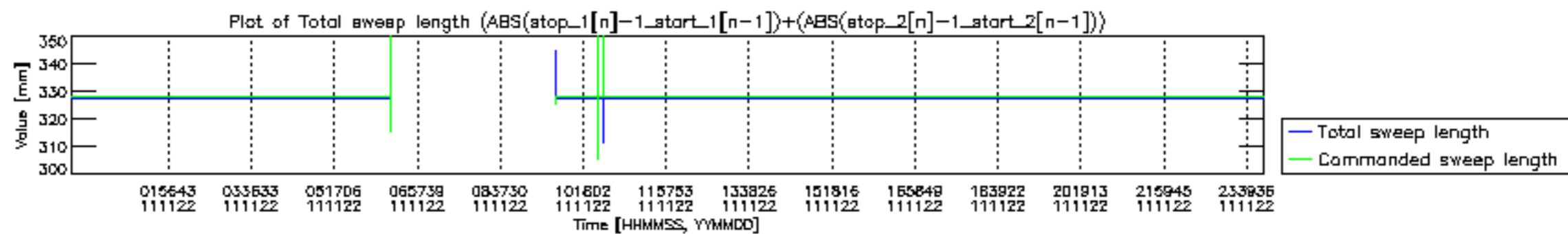


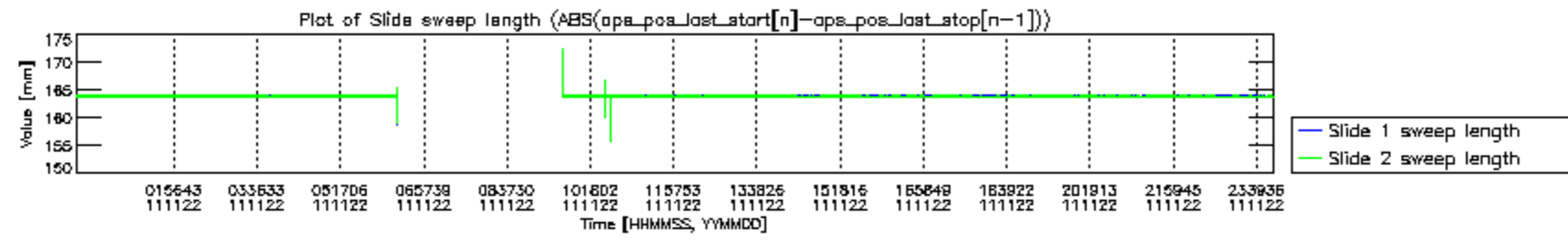


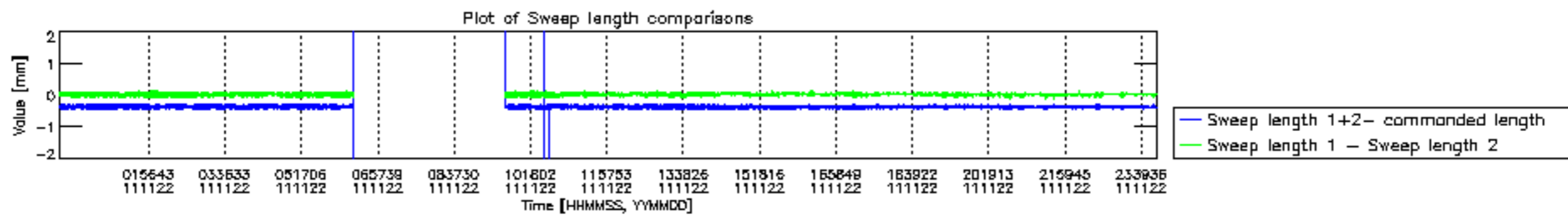


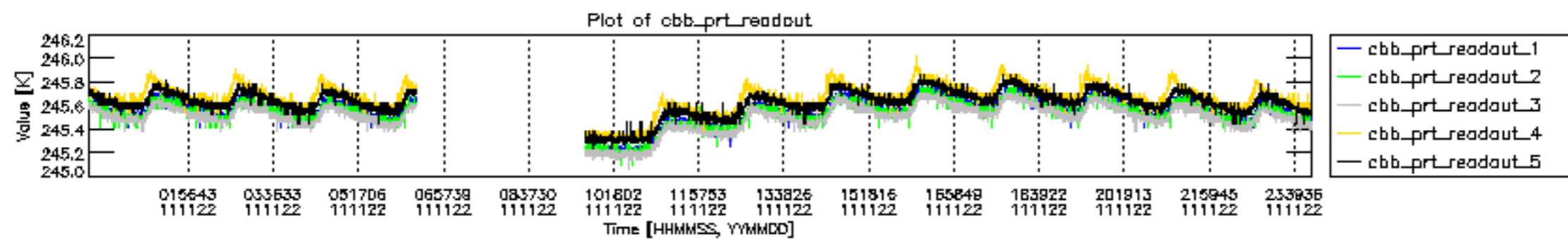


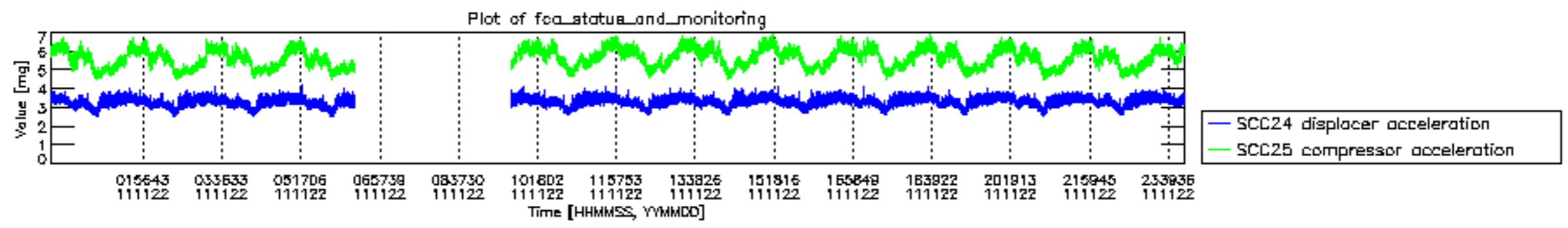












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

