

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	30DEC2010 05:23:46
Data source version	KSPT_L0/4504-N
Processing scope for products	25DEC2010 00:00:00 to 26DEC2010 00:00:00
Start time of first product within scope	25DEC2010 00:41:45
Stop time of last product within scope	26DEC2010 00:05:02
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__0PNPDE20101225_004145_000057943097_00404_46108_2568.N1	25DEC2010 00:41:45	25DEC2010 02:18:19	0	0	0	0	0
1	MIP_NL__0PNPDE20101225_021721_000045353097_00405_46109_2569.N1	25DEC2010 02:17:21	25DEC2010 03:32:56	0	0	0	0	0
2	MIP_NL__0PNPDE20101225_033223_000061523097_00406_46110_2570.N1	25DEC2010 03:32:23	25DEC2010 05:14:55	0	0	0	0	0
3	MIP_NL__0PNPDE20101225_051422_000060373097_00407_46111_2571.N1	25DEC2010 05:14:22	25DEC2010 06:54:59	0	0	0	0	0
4	MIP_NL__0PNPDK20101225_065425_000041073097_00408_46112_3772.N1	25DEC2010 06:54:25	25DEC2010 08:02:52	0	0	0	0	0
5	MIP_NL__0PNPDK20101225_080154_000061403097_00409_46113_3773.N1	25DEC2010 08:01:54	25DEC2010 09:44:14	0	0	0	0	0
6	MIP_NL__0PNPDK20101225_094240_000059753097_00410_46114_3774.N1	25DEC2010 09:42:40	25DEC2010 11:22:14	0	0	0	0	0
7	MIP_NL__0PNPDK20101225_112036_000061003097_00411_46115_3775.N1	25DEC2010 11:20:36	25DEC2010 13:02:16	0	0	0	0	0
8	MIP_NL__0PNPDK20101225_130040_000059543097_00412_46116_3776.N1	25DEC2010 13:00:40	25DEC2010 14:39:54	1	1	0	0	0
9	MIP_NL__0PNPDK20101225_143854_000057993097_00413_46117_3777.N1	25DEC2010 14:38:54	25DEC2010 16:15:33	0	0	0	0	0
10	MIP_NL__0PNPDK20101225_161350_000059083097_00414_46118_3778.N1	25DEC2010 16:13:50	25DEC2010 17:52:18	0	0	0	0	0
11	MIP_NL__0PNPDK20101225_175111_000059873097_00415_46119_3779.N1	25DEC2010 17:51:11	25DEC2010 19:30:59	0	0	0	0	0
12	MIP_NL__0PNPDK20101225_192921_000062923097_00416_46120_3780.N1	25DEC2010 19:29:21	25DEC2010 21:14:13	0	0	0	0	0
13	MIP_NL__0PNPDE20101225_211210_000043493097_00417_46121_2572.N1	25DEC2010 21:12:10	25DEC2010 22:24:39	0	0	0	0	0
14	MIP_NL__0PNPDE20101225_222343_000060793097_00417_46121_2573.N1	25DEC2010 22:23:43	26DEC2010 00:05:02	0	0	0	0	0

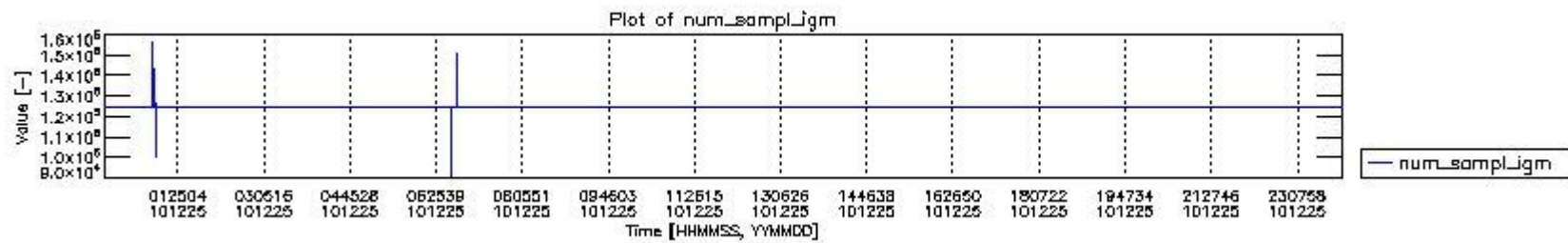
0.2 Instrument Operational Performance Parameters

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.

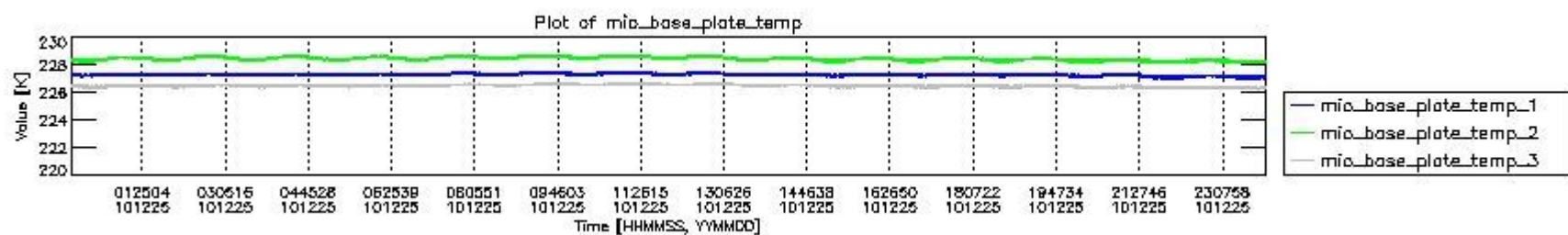
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
90772	1	0.0024007298
97720	1	0.0024007298
100483	1	0.0024007298

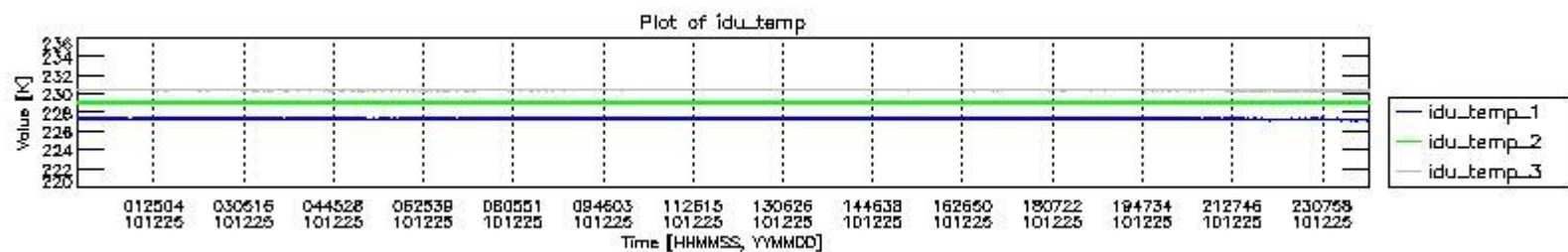
117852	1	0.0024007298
124800	39252	94.233447
124803	2390	5.7377443
125735	1	0.0024007298
126670	1	0.0024007298
127531	1	0.0024007298
130356	1	0.0024007298
147663	1	0.0024007298
150394	1	0.0024007298
150488	1	0.0024007298
156044	1	0.0024007298



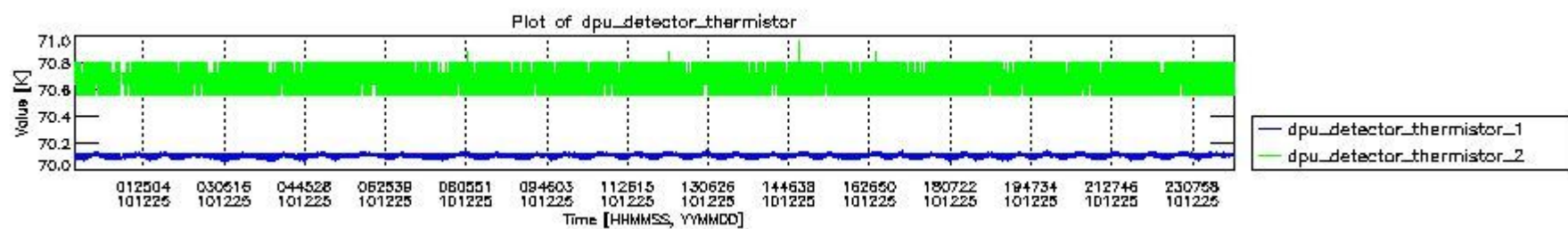
mipas_daily_report_level0_KSPT_L0_4504_N_20101225_0.PNG



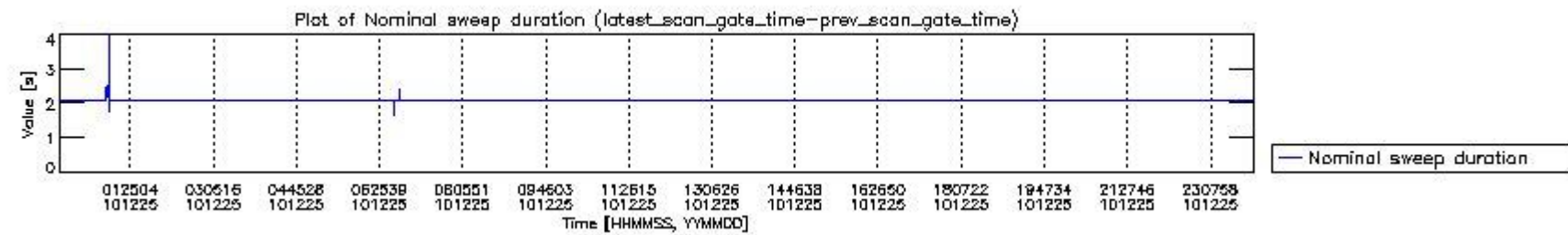
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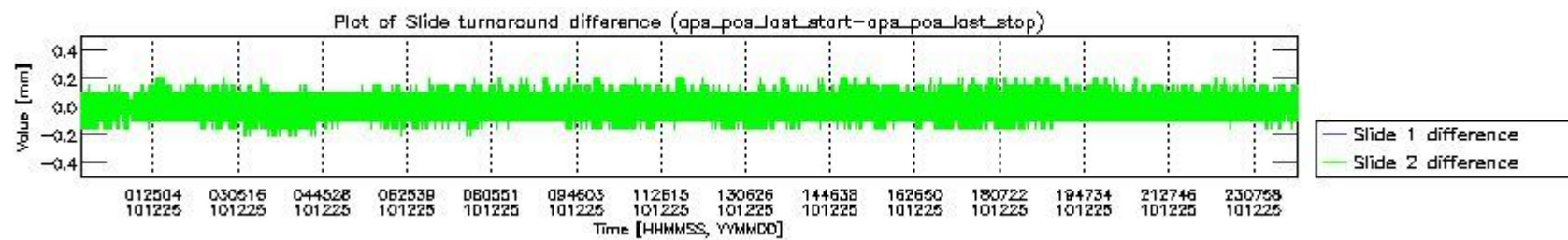
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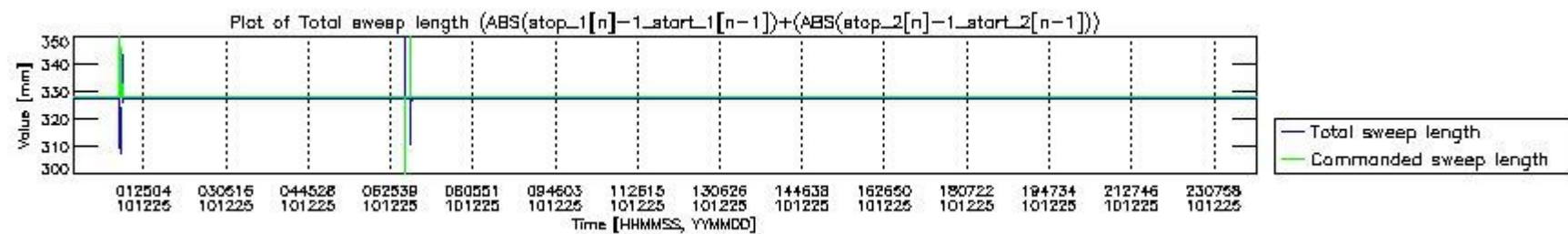
mipas_daily_report_level0_KSPT_L0_4504_N_20101225_3.PNG



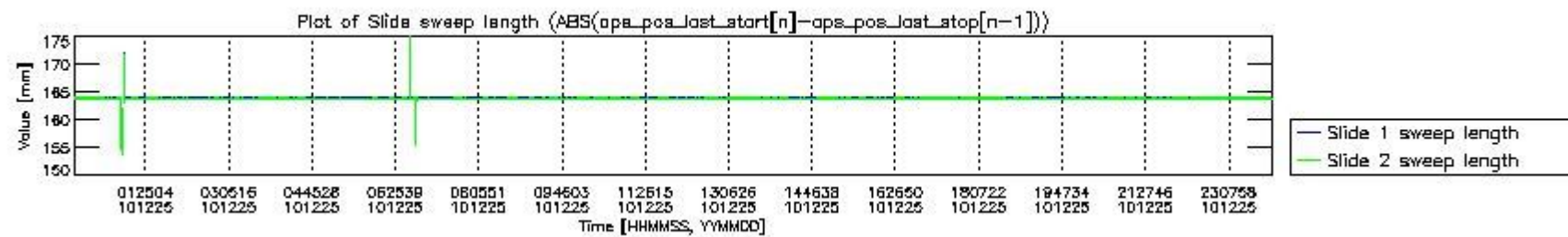
mipas_daily_report_level0_KSPT_L0_4504_N_20101225_4.PNG



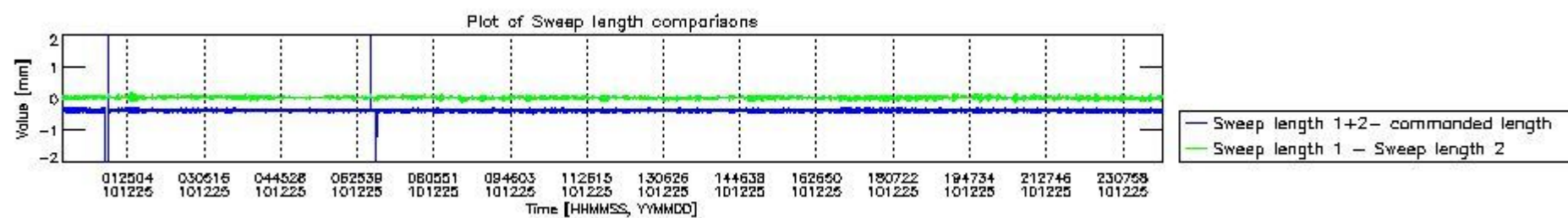
mipas_daily_report_level0_KSPT_L0_4504_N_20101225_5.PNG



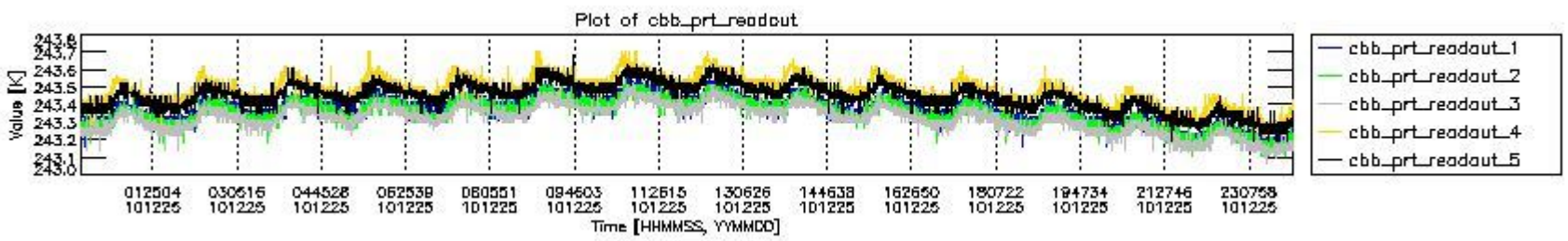
mipas_daily_report_level0_KSPT_L0_4504_N_20101225_6.PNG



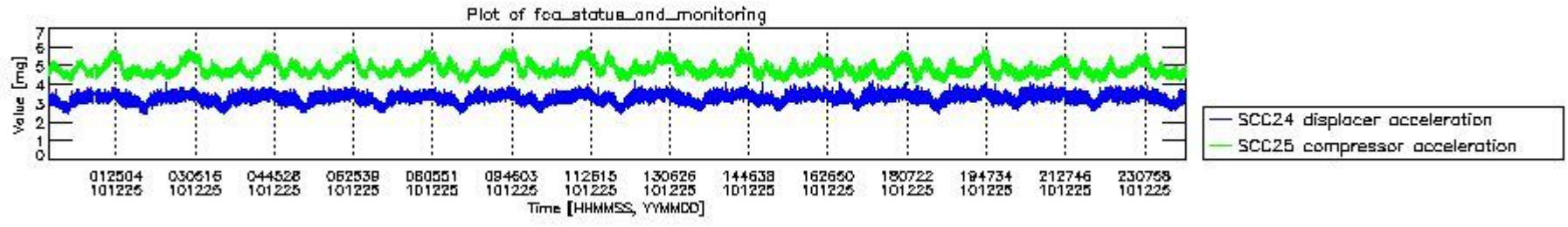
mipas_daily_report_level0_KSPT_L0_4504_N_20101225_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101225_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101225_9.PNG

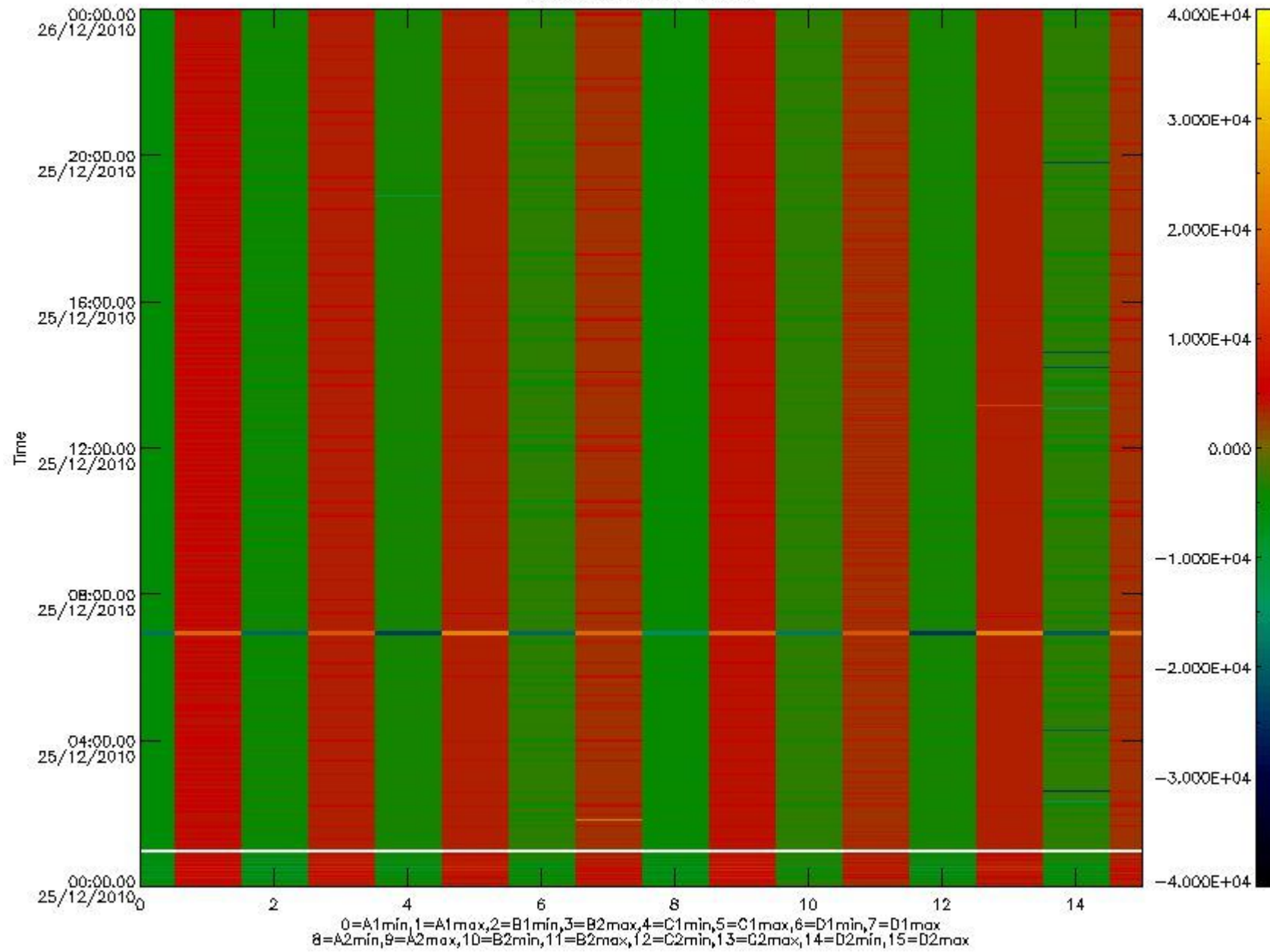


mipas_daily_report_level0_KSPT_L0_4504_N_20101225_10.PNG

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

Channel	Min	Max	ADC
A1	-18116	19239	16bit
B1	-19875	17181	16bit
C1	-23756	23671	16bit
D1	-19718	32767	16bit
A2	-15686	19369	16bit
B2	-17973	17620	16bit
C2	-24725	24638	16bit
D2	-32768	21467	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101225_11.PNG

0.3 ADF monitoring

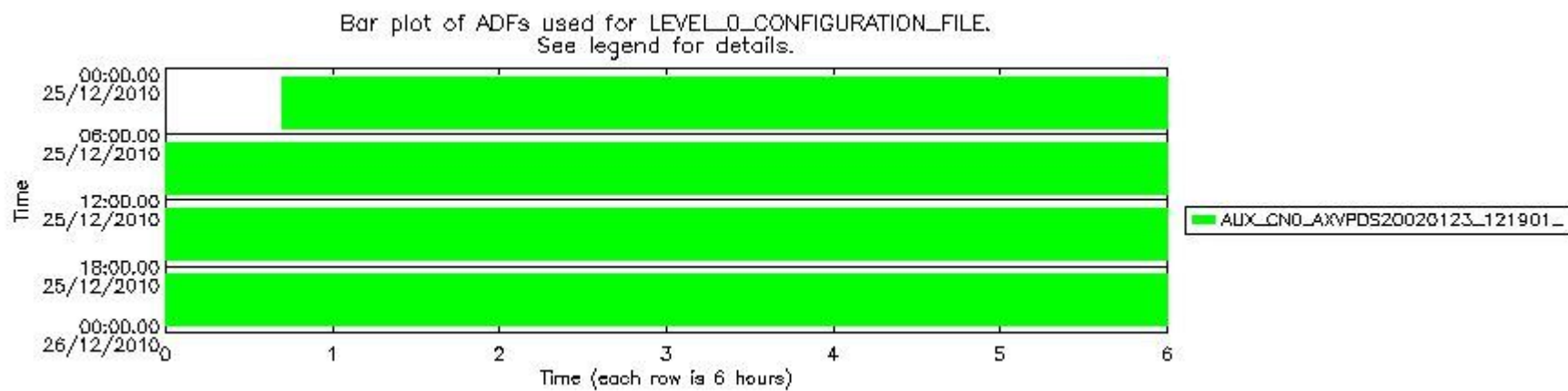
The use of ADFs is shown in two ways:

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.

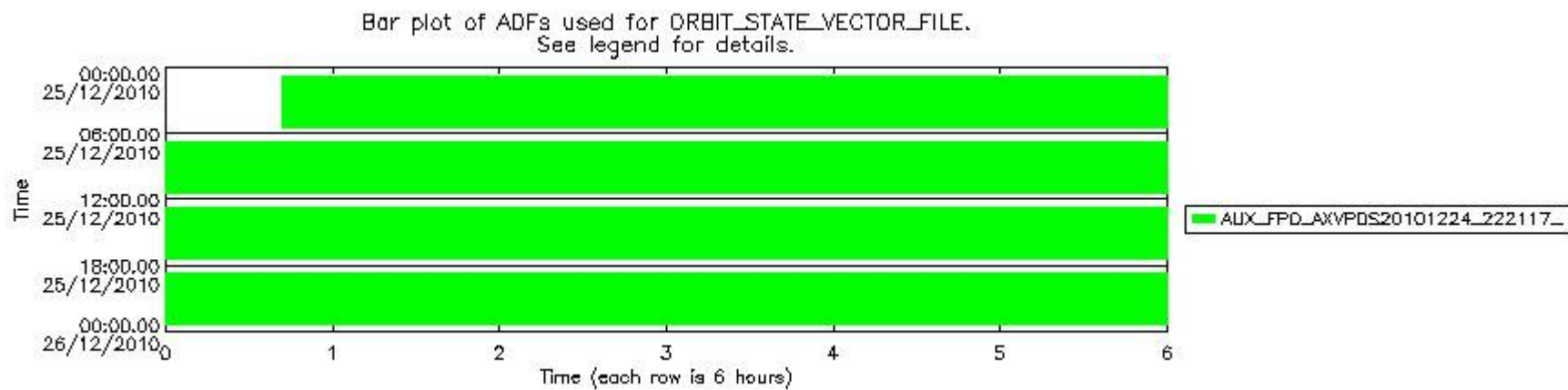
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101224_222117_20101224_195214_20110103_202553

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101225_004145_000057943097_00404_46108_2568.N1	0	1

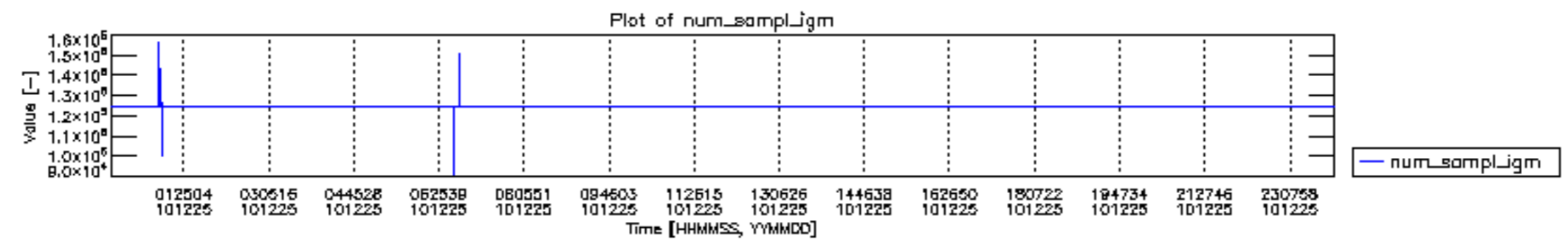
1	MIP_NL__0PNPDE20101225_021721_000045353097_00405_46109_2569.N1	0	1
2	MIP_NL__0PNPDE20101225_033223_000061523097_00406_46110_2570.N1	0	1
3	MIP_NL__0PNPDE20101225_051422_000060373097_00407_46111_2571.N1	0	1
4	MIP_NL__0PNPDK20101225_065425_000041073097_00408_46112_3772.N1	0	1
5	MIP_NL__0PNPDK20101225_080154_000061403097_00409_46113_3773.N1	0	1
6	MIP_NL__0PNPDK20101225_094240_000059753097_00410_46114_3774.N1	0	1
7	MIP_NL__0PNPDK20101225_112036_000061003097_00411_46115_3775.N1	0	1
8	MIP_NL__0PNPDK20101225_130040_000059543097_00412_46116_3776.N1	0	1
9	MIP_NL__0PNPDK20101225_143854_000057993097_00413_46117_3777.N1	0	1
10	MIP_NL__0PNPDK20101225_161350_000059083097_00414_46118_3778.N1	0	1
11	MIP_NL__0PNPDK20101225_175111_000059873097_00415_46119_3779.N1	0	1
12	MIP_NL__0PNPDK20101225_192921_000062923097_00416_46120_3780.N1	0	1
13	MIP_NL__0PNPDE20101225_211210_000043493097_00417_46121_2572.N1	0	1
14	MIP_NL__0PNPDE20101225_222343_000060793097_00417_46121_2573.N1	0	1

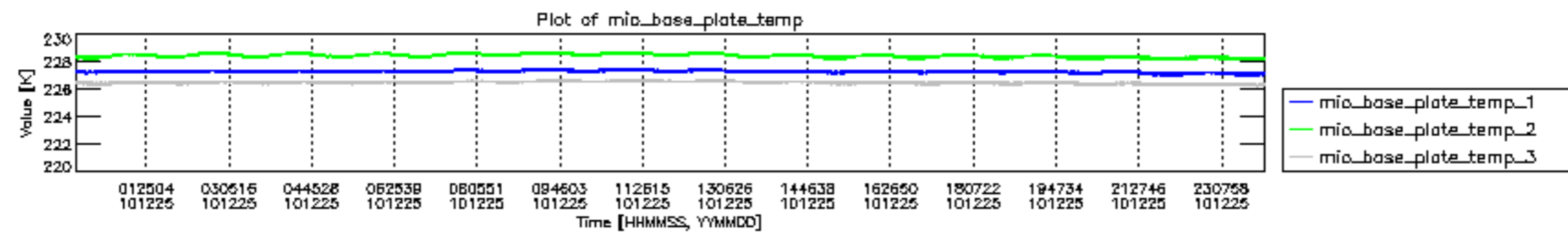


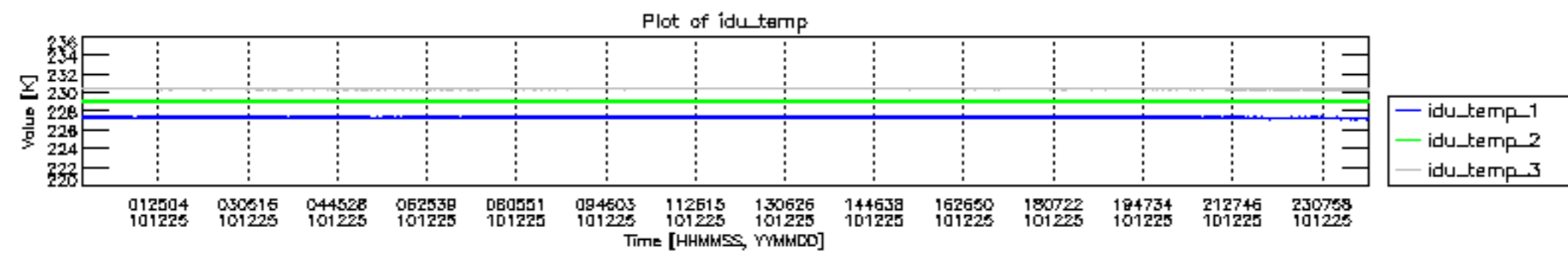
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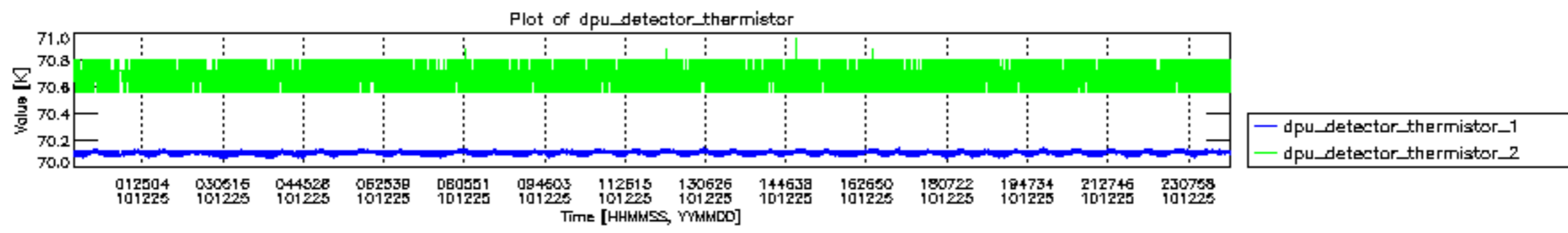


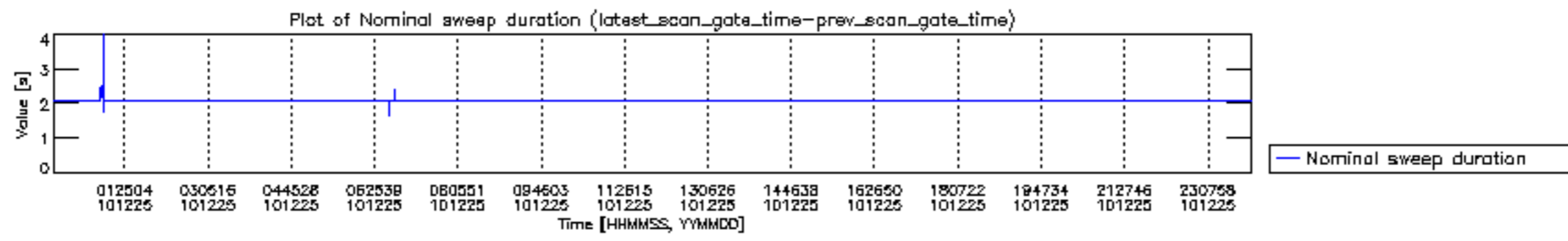
mipas_daily_report_level0_KSPT_L0_4504_N_20101225_13.PNG

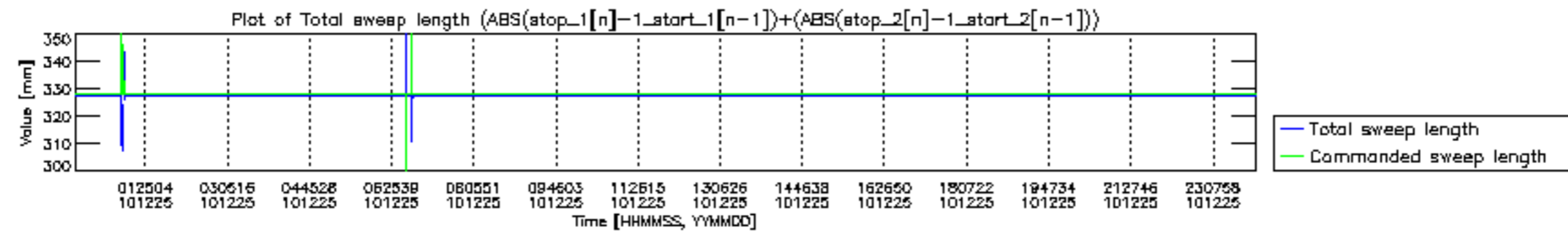


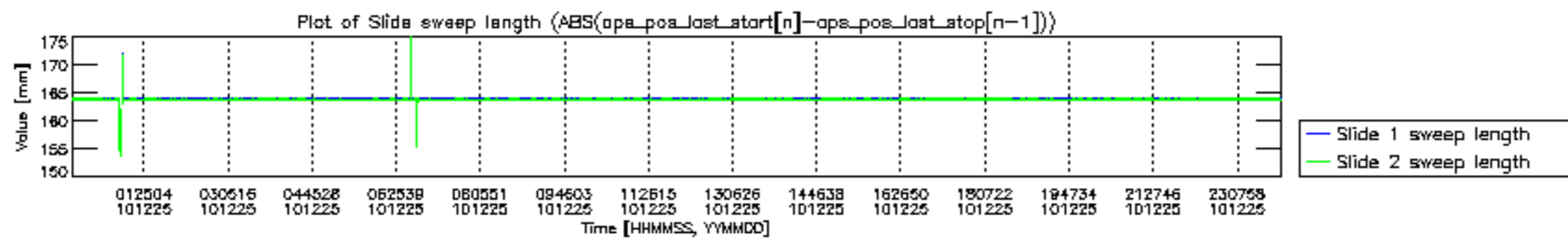


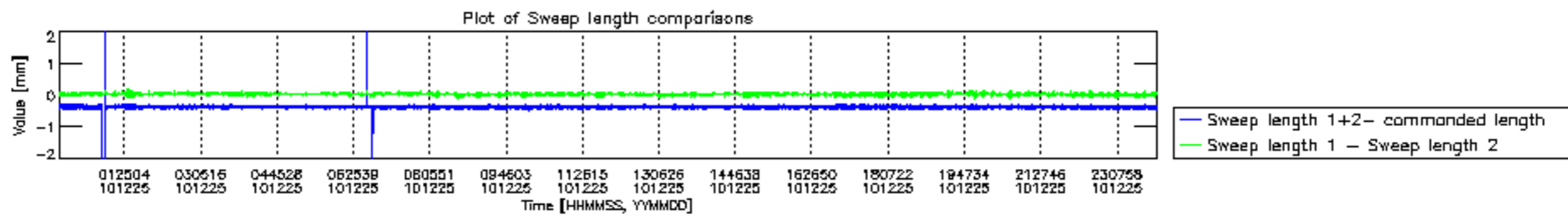


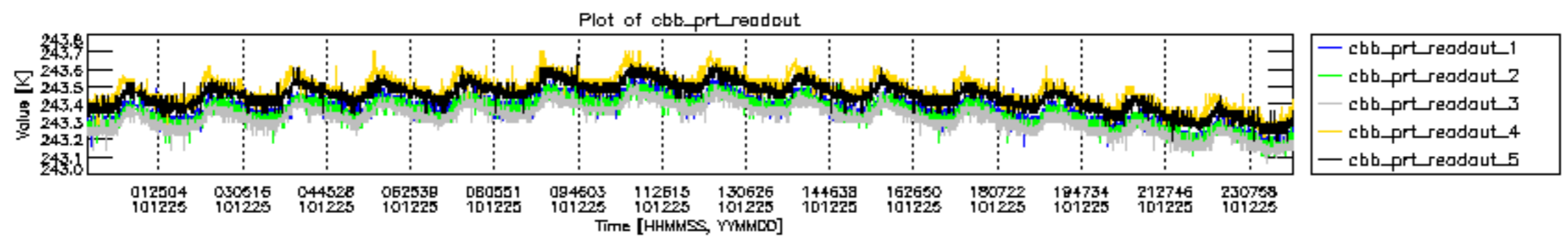


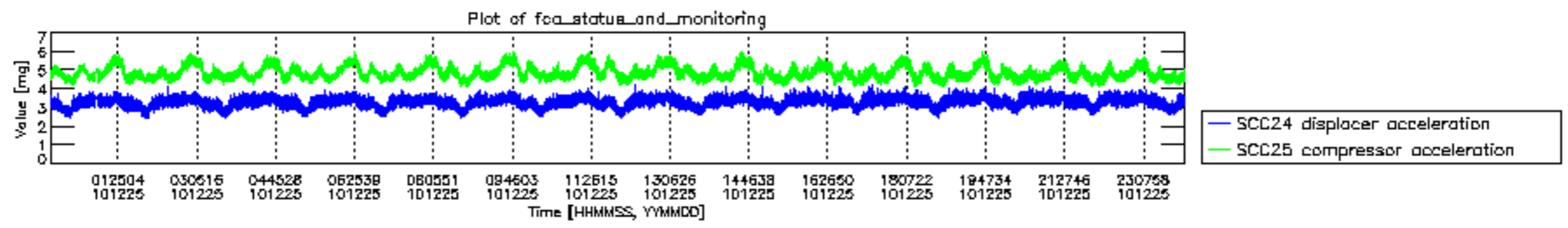












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

