

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	22NOV2011 05:24:45
Data source version	KSPT_L0/4504-N
Processing scope for products	17NOV2011 00:00:00 to 18NOV2011 00:00:00
Start time of first product within scope	17NOV2011 00:56:57
Stop time of last product within scope	18NOV2011 00:19:46
Total number of level 0 products	14
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__0PNPDE20111117_005657_000054383108_00361_50806_4851.N1	17NOV2011 00:56:57	17NOV2011 02:27:34	0	0	0	0	0
1	MIP_NL__0PNPDE20111117_022640_000047883108_00362_50807_4852.N1	17NOV2011 02:26:40	17NOV2011 03:46:28	0	0	0	0	0
2	MIP_NL__0PNPDE20111117_034555_000062323108_00363_50808_4853.N1	17NOV2011 03:45:55	17NOV2011 05:29:46	0	0	0	0	0
3	MIP_NL__0PNPDE20111117_052913_000060213108_00364_50809_4854.N1	17NOV2011 05:29:13	17NOV2011 07:09:34	0	0	0	0	0
4	MIP_NL__0PNPDK20111117_081545_000061003108_00366_50811_7547.N1	17NOV2011 08:15:45	17NOV2011 09:57:25	1	1	0	0	0
5	MIP_NL__0PNPDK20111117_095547_000060043108_00367_50812_7548.N1	17NOV2011 09:55:47	17NOV2011 11:35:51	0	0	0	0	0
6	MIP_NL__0PNPDK20111117_113410_000060853108_00368_50813_7549.N1	17NOV2011 11:34:10	17NOV2011 13:15:36	0	0	0	0	0
7	MIP_NL__0PNPDK20111117_131355_000059813108_00369_50814_7550.N1	17NOV2011 13:13:55	17NOV2011 14:53:36	0	0	0	0	0
8	MIP_NL__0PNPDK20111117_145225_000059623108_00370_50815_7551.N1	17NOV2011 14:52:25	17NOV2011 16:31:47	0	0	0	0	0
9	MIP_NL__0PNPDK20111117_163101_000059313108_00371_50816_7552.N1	17NOV2011 16:31:01	17NOV2011 18:09:52	0	0	0	0	0
10	MIP_NL__0PNPDK20111117_180851_000059793108_00372_50817_7553.N1	17NOV2011 18:08:51	17NOV2011 19:48:30	0	0	0	0	0
11	MIP_NL__0PNPDE20111117_194633_000041363108_00373_50818_4855.N1	17NOV2011 19:46:33	17NOV2011 20:55:30	0	0	0	0	0
12	MIP_NL__0PNPDE20111117_205414_000063263108_00373_50818_4856.N1	17NOV2011 20:54:14	17NOV2011 22:39:40	0	0	0	0	0
13	MIP_NL__0PNPDE20111117_223756_000061103108_00374_50819_4857.N1	17NOV2011 22:37:56	18NOV2011 00:19:46	0	0	0	0	0

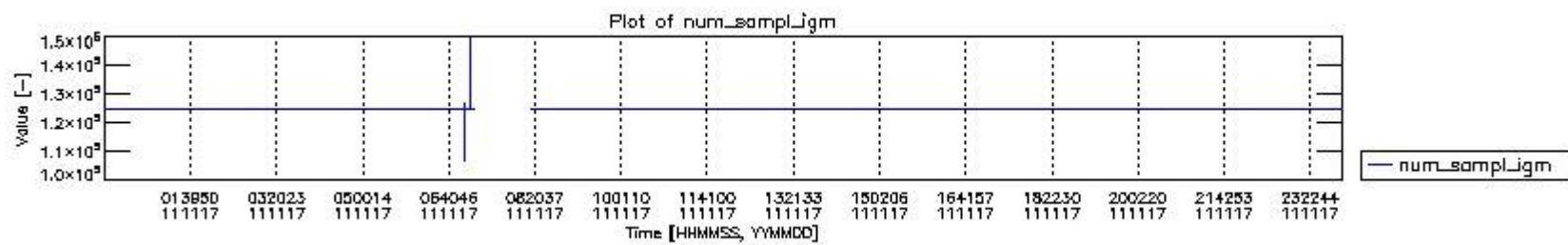
0.2 Instrument Operational Performance Parameters

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.

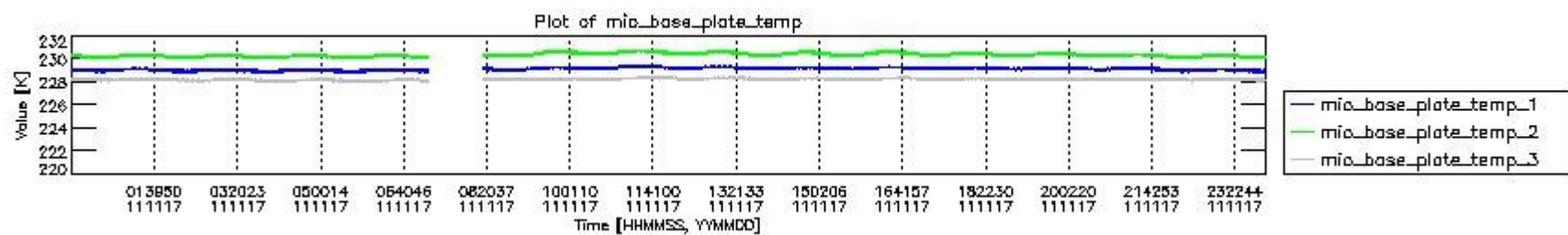
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
106715	1	0.0025151538
108762	1	0.0025151538
124800	36923	92.867024
124803	2830	7.1178853

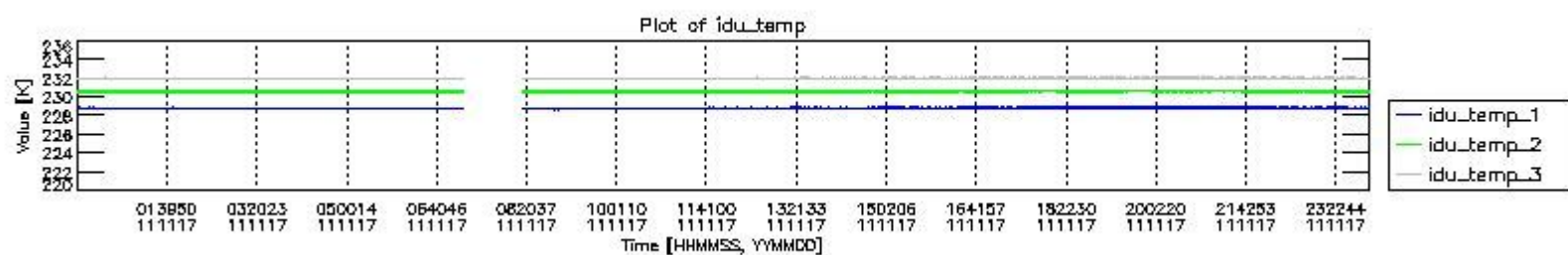
126847	1	0.0025151538
127308	1	0.0025151538
147440	1	0.0025151538
149948	1	0.0025151538



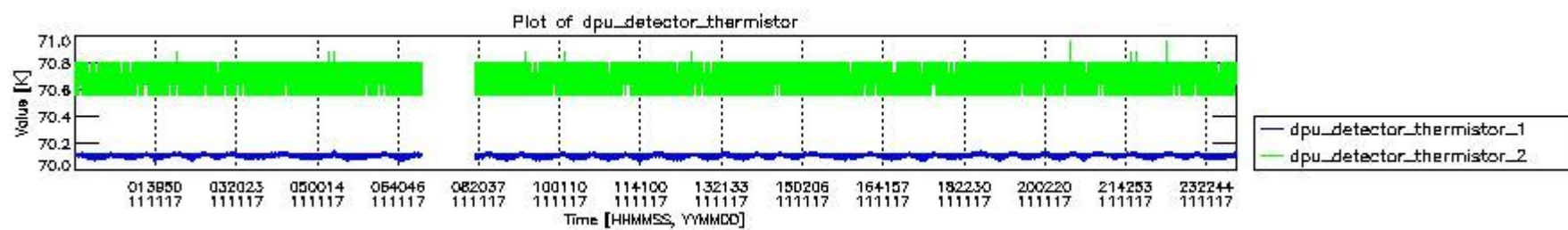
mipas_daily_report_level0_KSPT_L0_4504_N_20111117_0.PNG



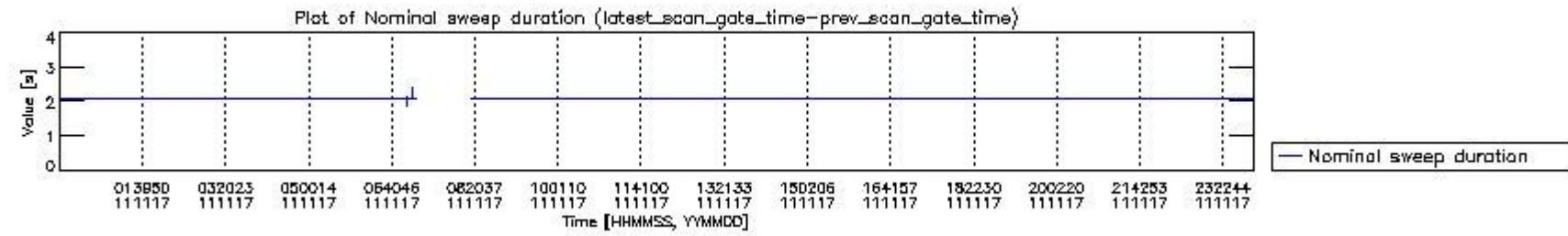
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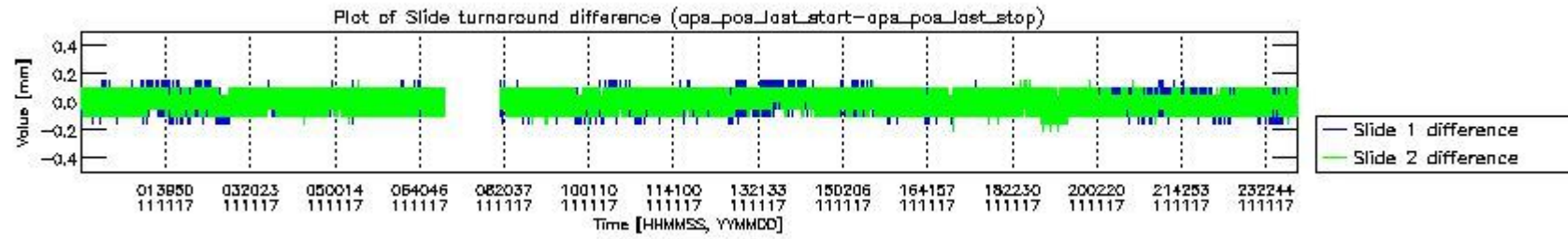
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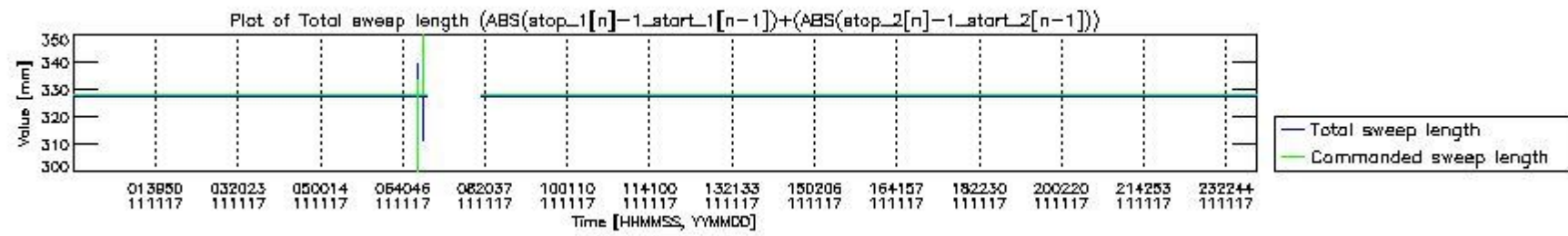
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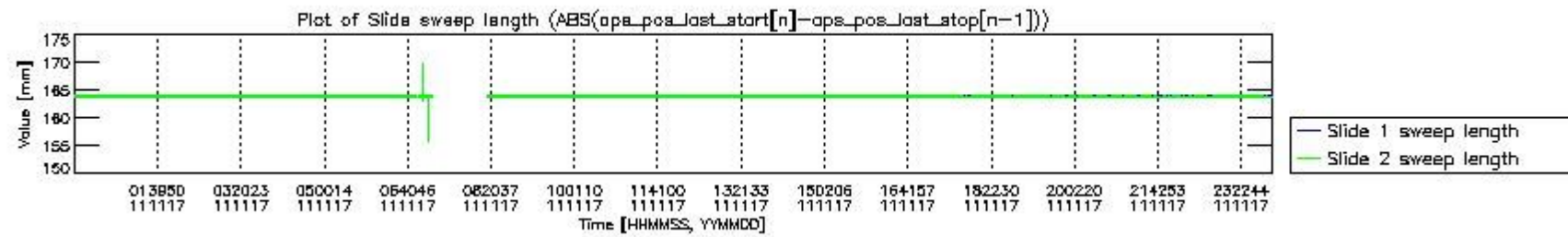
mipas_daily_report_level0_KSPT_L0_4504_N_20111117_4.PNG



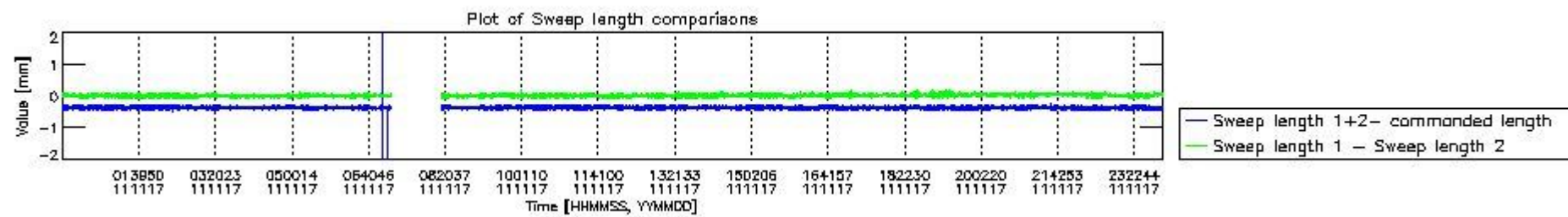
mipas_daily_report_level0_KSPT_L0_4504_N_20111117_5.PNG



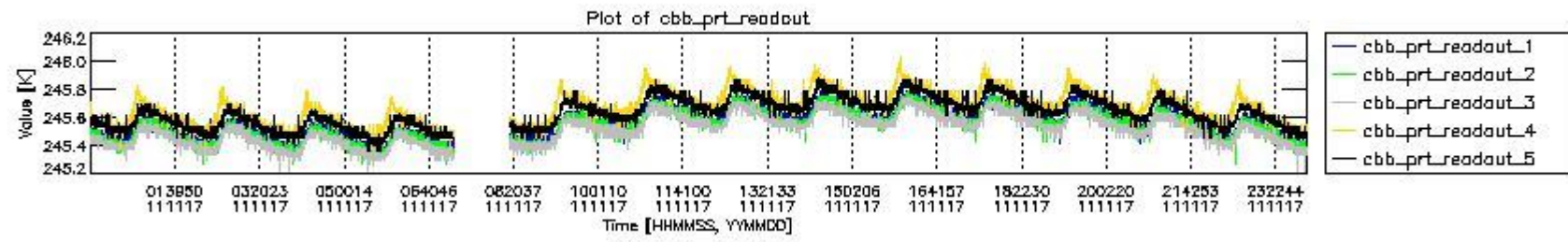
mipas_daily_report_level0_KSPT_L0_4504_N_20111117_6.PNG



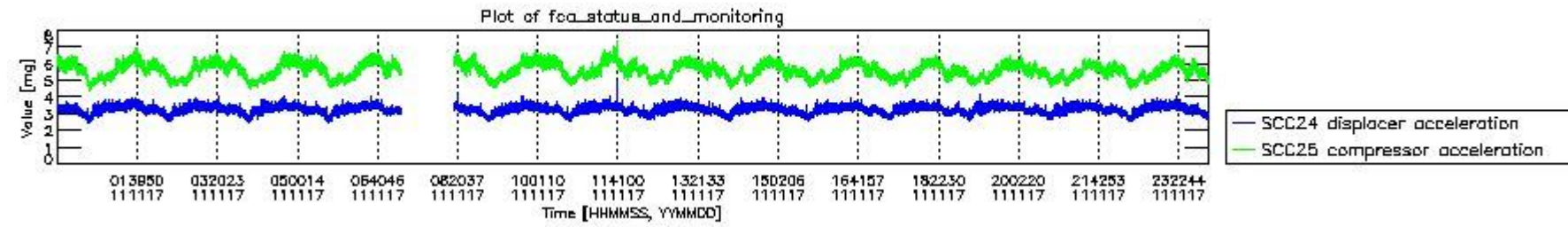
mipas_daily_report_level0_KSPT_L0_4504_N_20111117_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111117_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111117_9.PNG

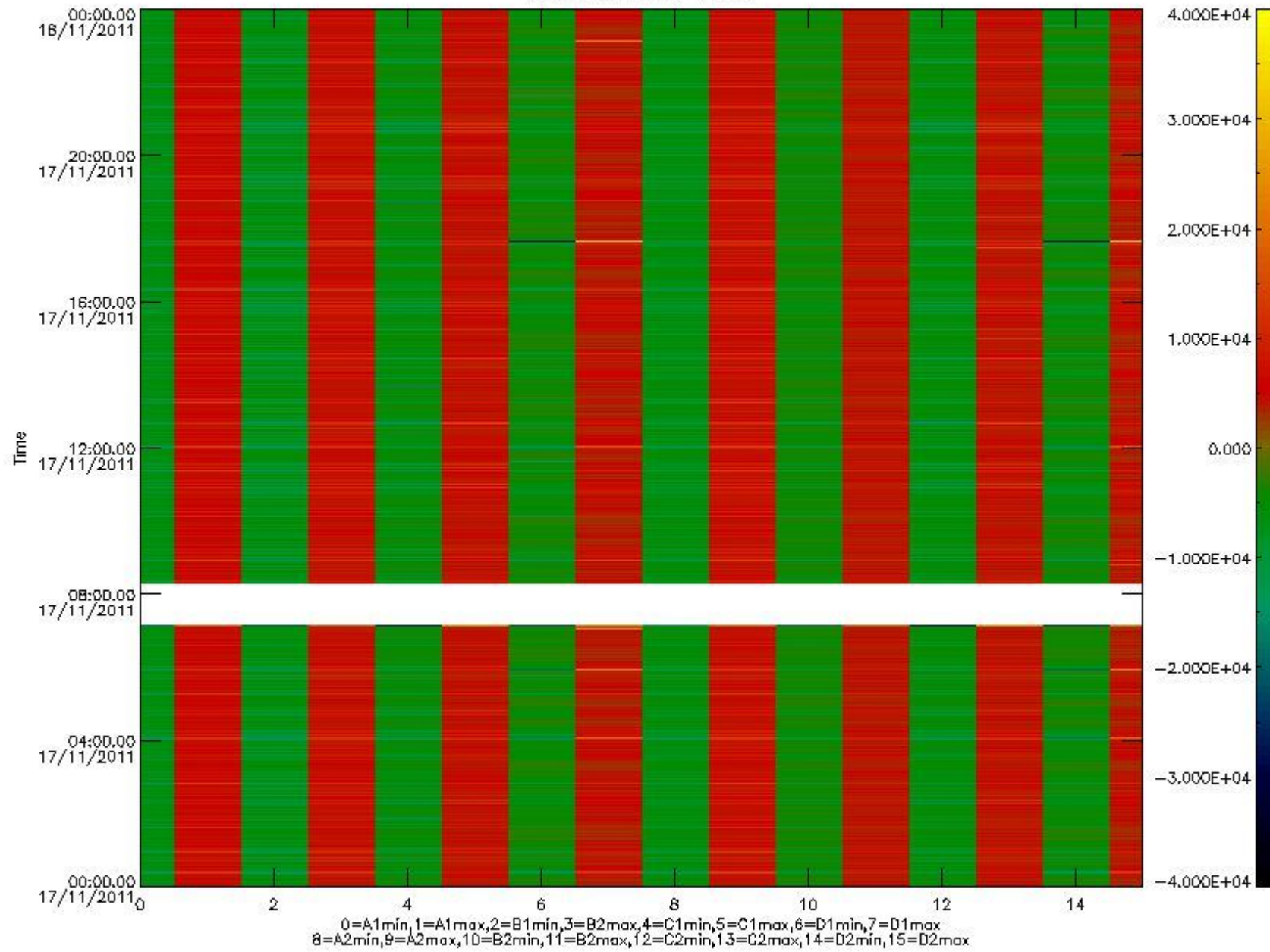


mipas_daily_report_level0_KSPT_L0_4504_N_20111117_10.PNG

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

Channel	Min	Max	ADC
A1	-21683	23490	16bit
B1	-22626	19159	16bit
C1	-25689	25481	16bit
D1	-32768	32767	16bit
A2	-18184	22938	16bit
B2	-18808	18420	16bit
C2	-26724	26233	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_20111117_11.PNG

0.3 ADF monitoring

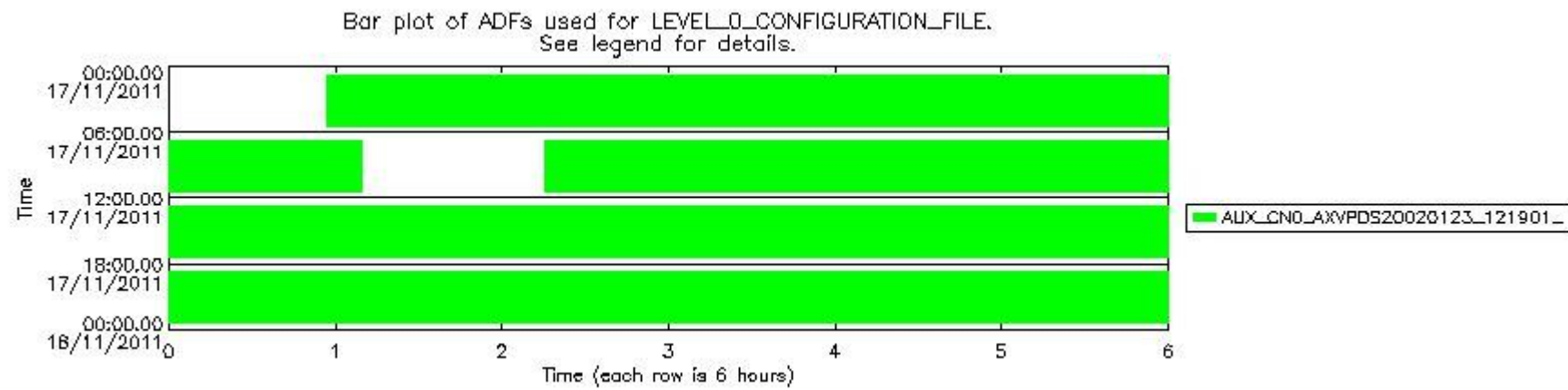
The use of ADFs is shown in two ways:

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.

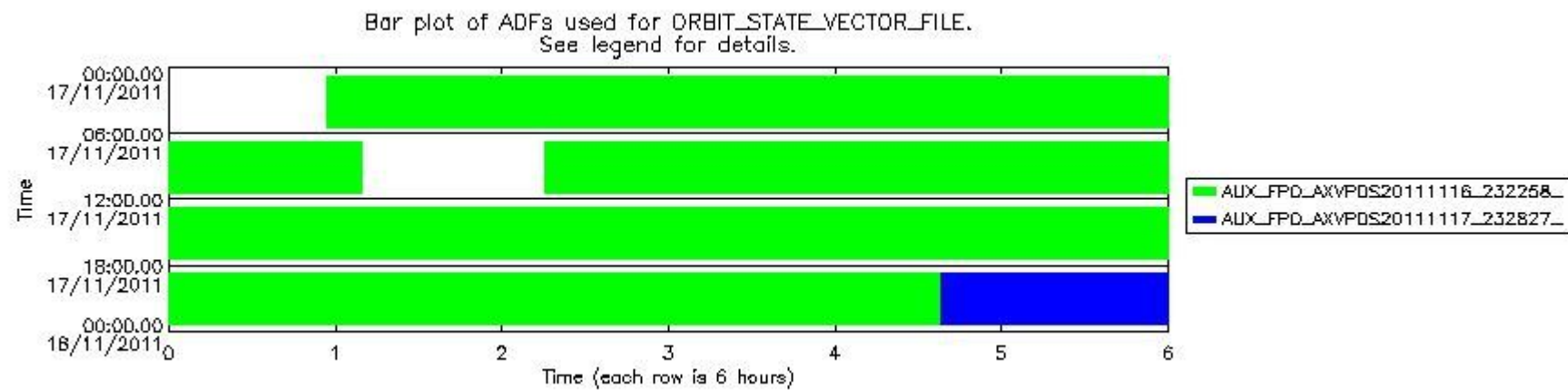
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111116_232258_20111116_182701_20111126_204044
2	AUX_FPO_AXVPDS20111117_232827_20111117_193030_20111127_200359

Number	Product name	#CN0	#FPO
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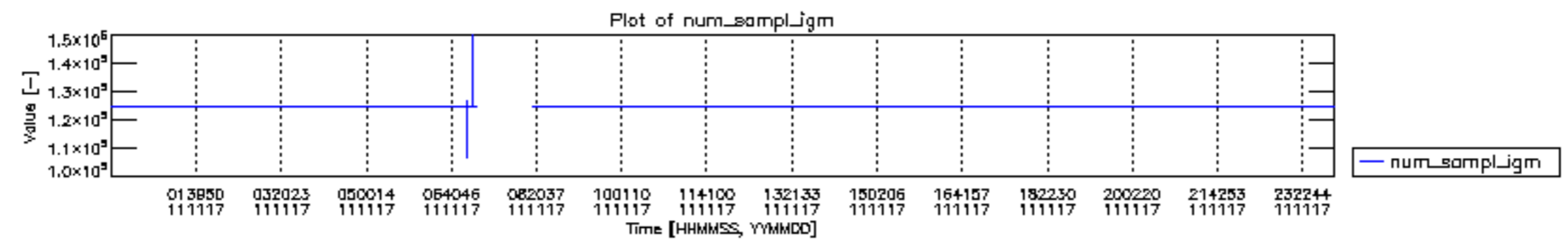
0	MIP_NL__0PNPDE20111117_005657_000054383108_00361_50806_4851.N1	0	1
1	MIP_NL__0PNPDE20111117_022640_000047883108_00362_50807_4852.N1	0	1
2	MIP_NL__0PNPDE20111117_034555_000062323108_00363_50808_4853.N1	0	1
3	MIP_NL__0PNPDE20111117_052913_000060213108_00364_50809_4854.N1	0	1
4	MIP_NL__0PNPDK20111117_081545_000061003108_00366_50811_7547.N1	0	1
5	MIP_NL__0PNPDK20111117_095547_000060043108_00367_50812_7548.N1	0	1
6	MIP_NL__0PNPDK20111117_113410_000060853108_00368_50813_7549.N1	0	1
7	MIP_NL__0PNPDK20111117_131355_000059813108_00369_50814_7550.N1	0	1
8	MIP_NL__0PNPDK20111117_145225_000059623108_00370_50815_7551.N1	0	1
9	MIP_NL__0PNPDK20111117_163101_000059313108_00371_50816_7552.N1	0	1
10	MIP_NL__0PNPDK20111117_180851_000059793108_00372_50817_7553.N1	0	1
11	MIP_NL__0PNPDE20111117_194633_000041363108_00373_50818_4855.N1	0	1
12	MIP_NL__0PNPDE20111117_205414_000063263108_00373_50818_4856.N1	0	1
13	MIP_NL__0PNPDE20111117_223756_000061103108_00374_50819_4857.N1	0	2

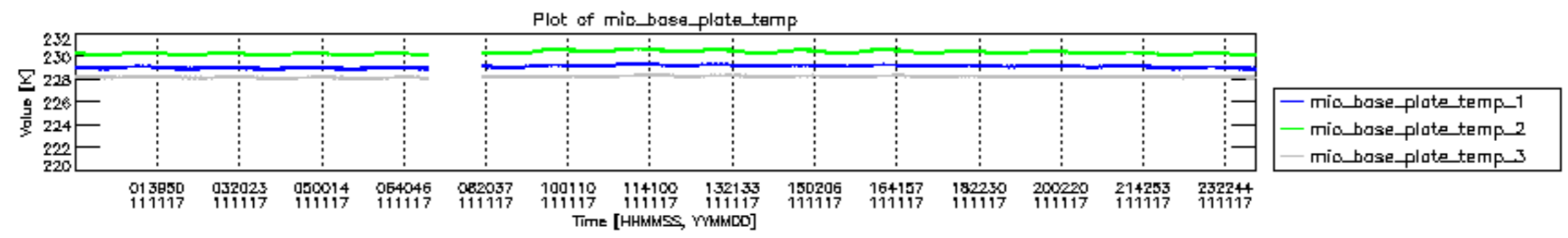


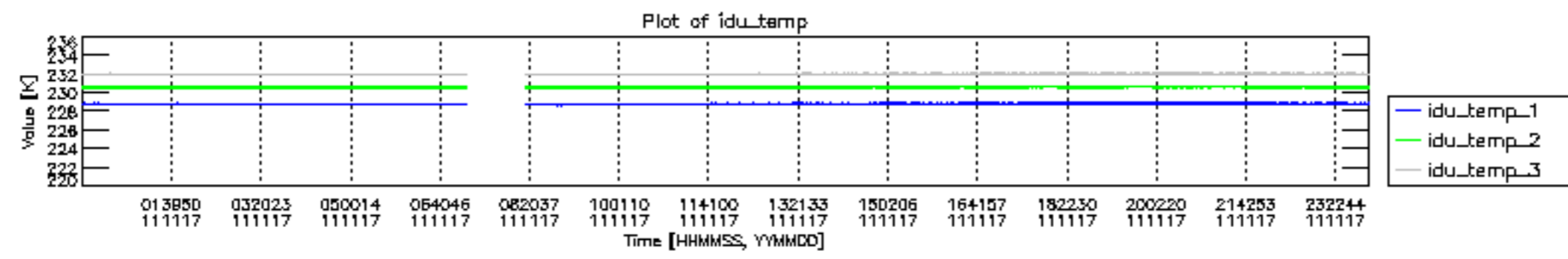
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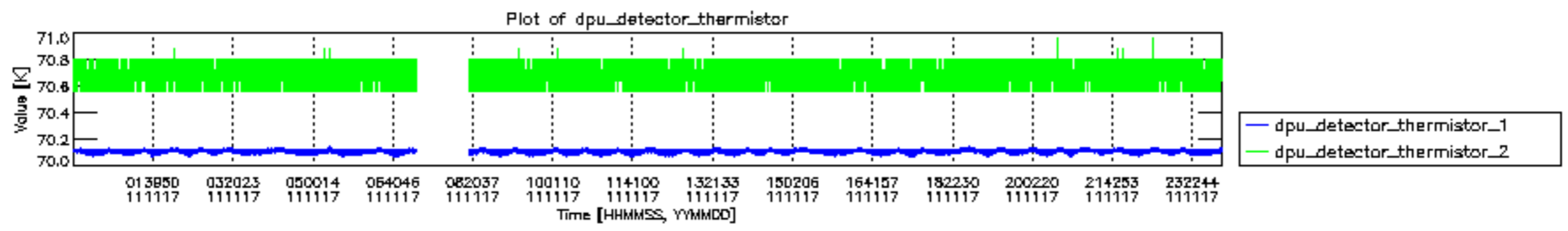


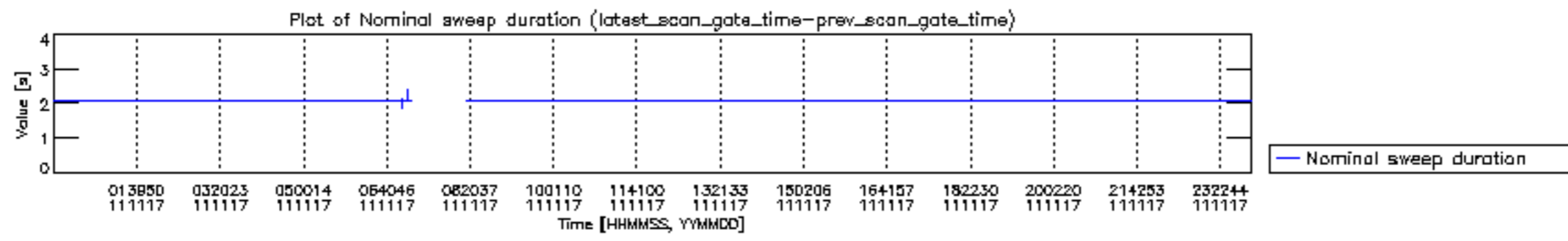
mipas_daily_report_level0_KSPT_L0_4504_N_20111117_13.PNG

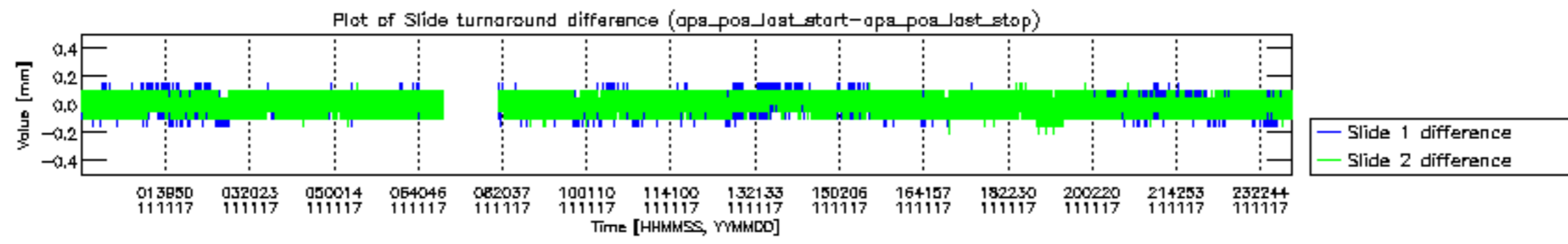


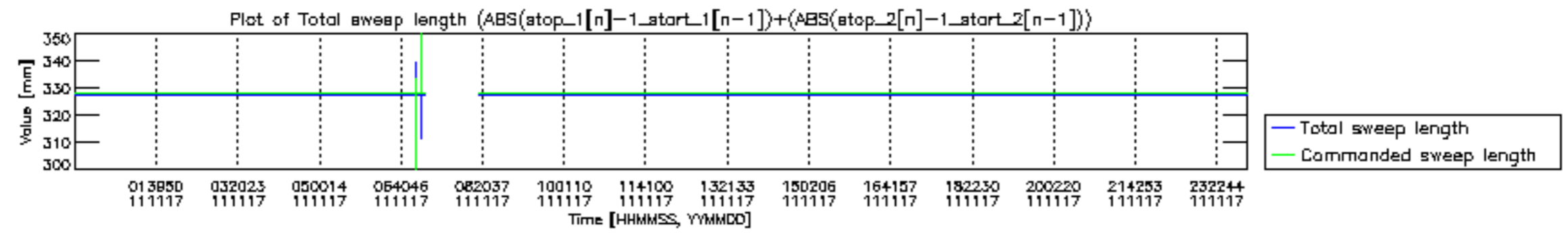


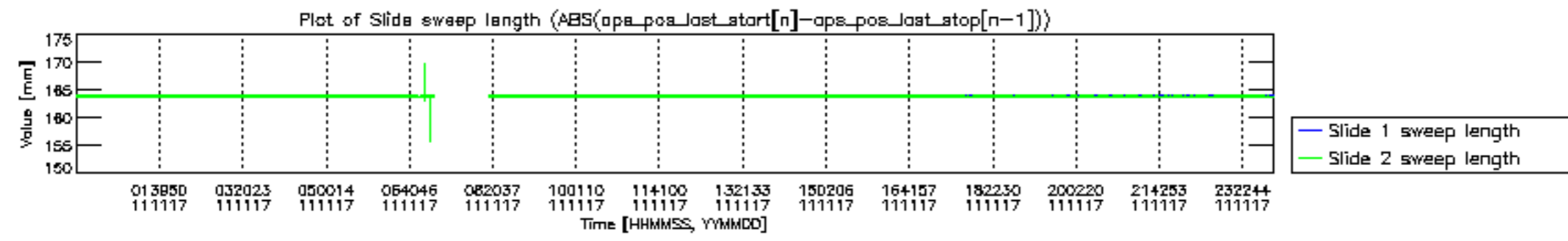


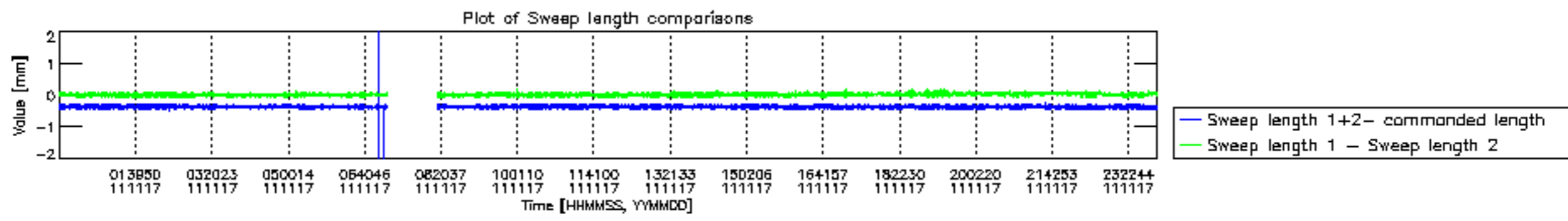


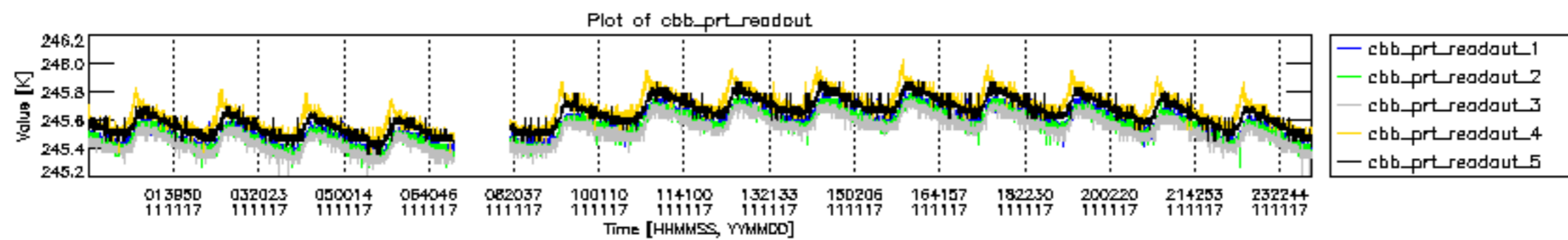


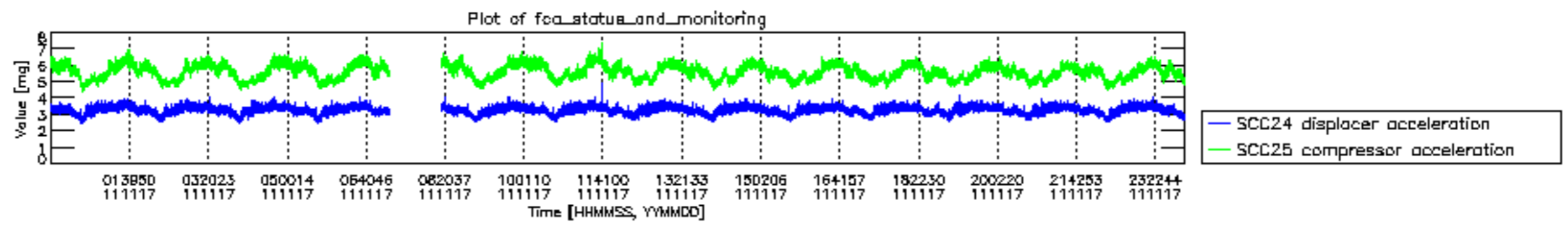












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

