

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	17JAN2011 05:23:46
Data source version	KSPT_L0/4504-N
Processing scope for products	12JAN2011 00:00:00 to 13JAN2011 00:00:00
Start time of first product within scope	12JAN2011 01:20:37
Stop time of last product within scope	13JAN2011 00:46:52
Total number of level 0 products	12
Number of level 0 products with errors	0

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__0PNPDE20110112_012037_000103393098_00232_46367_2699.N1	12JAN2011 01:20:37	12JAN2011 04:12:57	0	0	0	0	0
1	MIP_NL__0PNPDE20110112_041223_000061843098_00234_46369_2700.N1	12JAN2011 04:12:23	12JAN2011 05:55:27	0	0	0	0	0
2	MIP_NL__0PNPDE20110112_055455_000061813098_00235_46370_2701.N1	12JAN2011 05:54:55	12JAN2011 07:37:56	0	0	0	0	0
3	MIP_NL__0PNPDK20110112_073723_000038313098_00236_46371_3999.N1	12JAN2011 07:37:23	12JAN2011 08:41:14	0	0	0	0	0
4	MIP_NL__0PNPDK20110112_084018_000062093098_00237_46372_4000.N1	12JAN2011 08:40:18	12JAN2011 10:23:46	0	0	0	0	0
5	MIP_NL__0PNPDK20110112_102210_000059913098_00238_46373_4001.N1	12JAN2011 10:22:10	12JAN2011 12:02:02	0	0	0	0	0
6	MIP_NL__0PNPDK20110112_120057_000060623098_00239_46374_4002.N1	12JAN2011 12:00:57	12JAN2011 13:41:59	0	0	0	0	0
7	MIP_NL__0PNPDK20110112_134038_000059023098_00240_46375_4003.N1	12JAN2011 13:40:38	12JAN2011 15:19:00	0	0	0	0	0
8	MIP_NL__0PNPDK20110112_151818_000059143098_00241_46376_4004.N1	12JAN2011 15:18:18	12JAN2011 16:56:52	0	0	0	0	0
9	MIP_NL__0PNPDK20110112_165526_000059373098_00242_46377_4005.N1	12JAN2011 16:55:26	12JAN2011 18:34:23	0	0	0	0	0
10	MIP_NL__0PNPDK20110112_183323_000059003098_00243_46378_4006.N1	12JAN2011 18:33:23	12JAN2011 20:11:42	0	0	0	0	0
11	MIP_NL__0PNPDE20110112_230430_000061423098_00245_46380_2702.N1	12JAN2011 23:04:30	13JAN2011 00:46:52	0	0	0	0	0

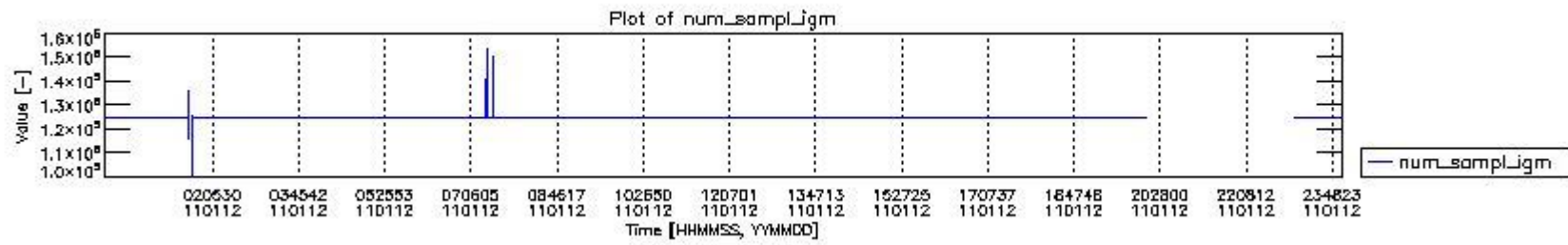
0.2 Instrument Operational Performance Parameters

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.

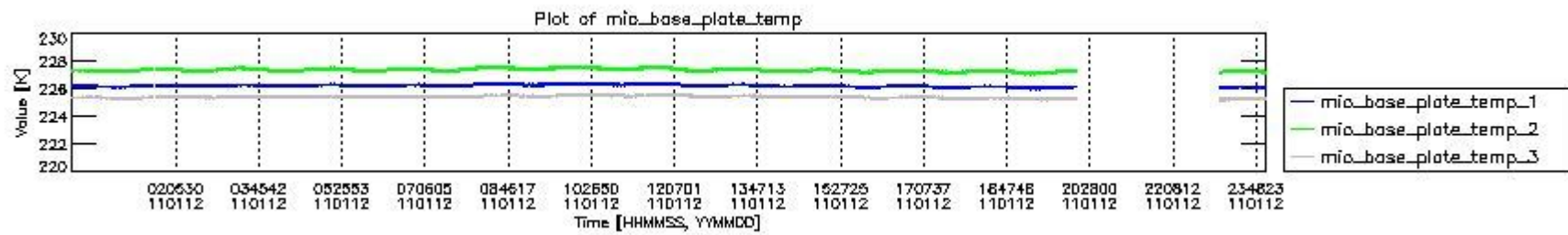
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100111	1	0.0027565675
115933	1	0.0027565675
124800	33679	92.838438
124803	2586	7.1284836
125363	1	0.0027565675
125926	1	0.0027565675

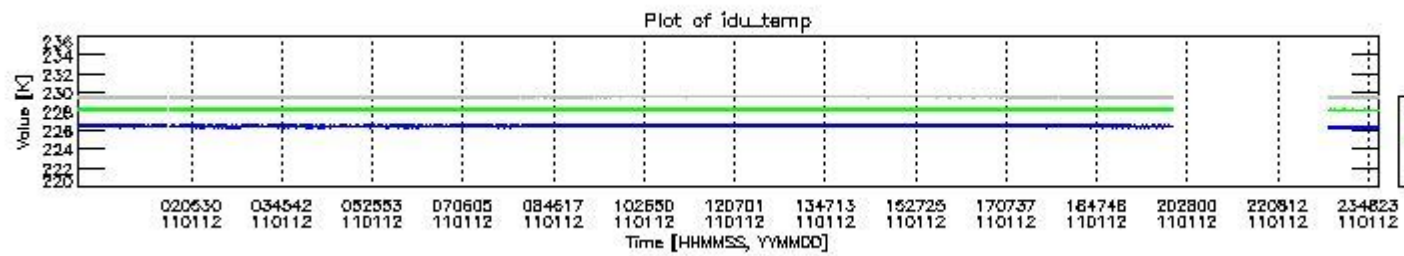
127198	1	0.0027565675
127382	1	0.0027565675
129092	1	0.0027565675
136065	1	0.0027565675
147514	1	0.0027565675
149224	1	0.0027565675
150096	1	0.0027565675
153516	1	0.0027565675



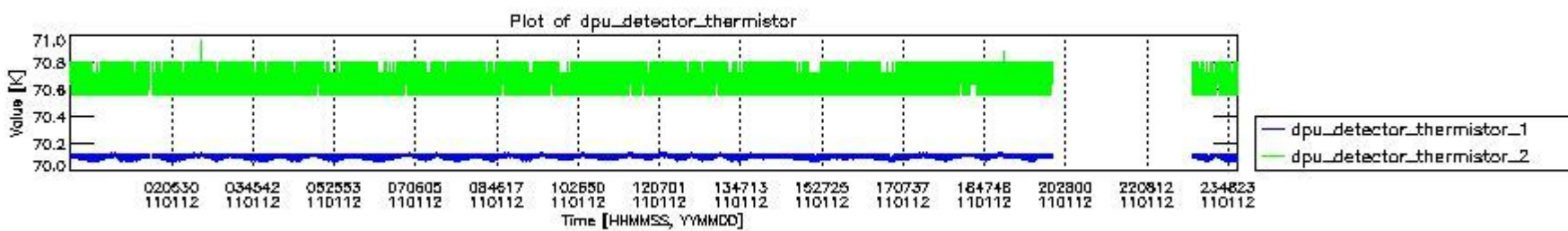
mipas_daily_report_level0_KSPT_L0_4504_N_20110112_0.PNG



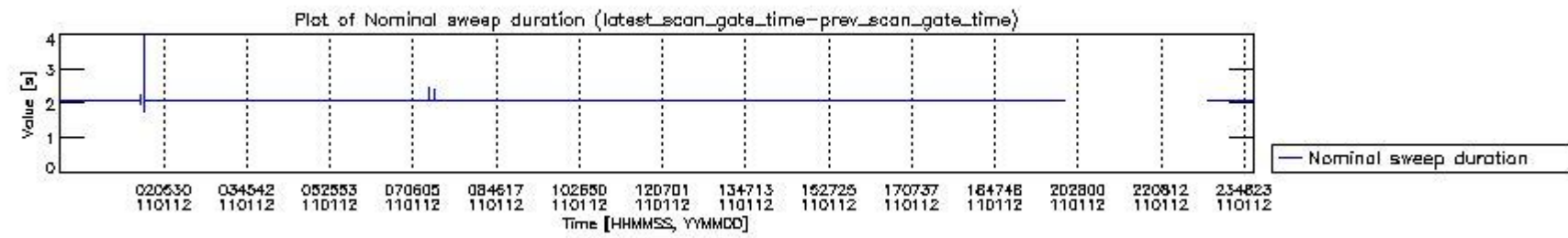
mipas_daily_report_level0_KSPT_L0_4504_N_20110112_1.PNG



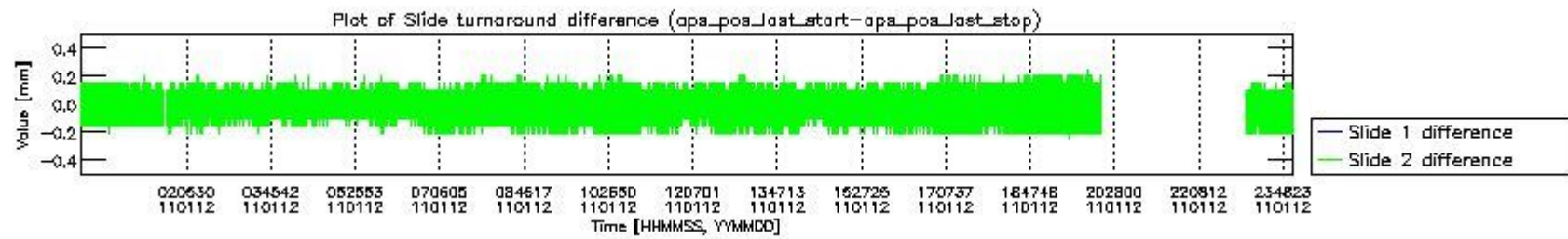
mipas_daily_report_level0_KSPT_L0_4504_N_20110112_2.PNG



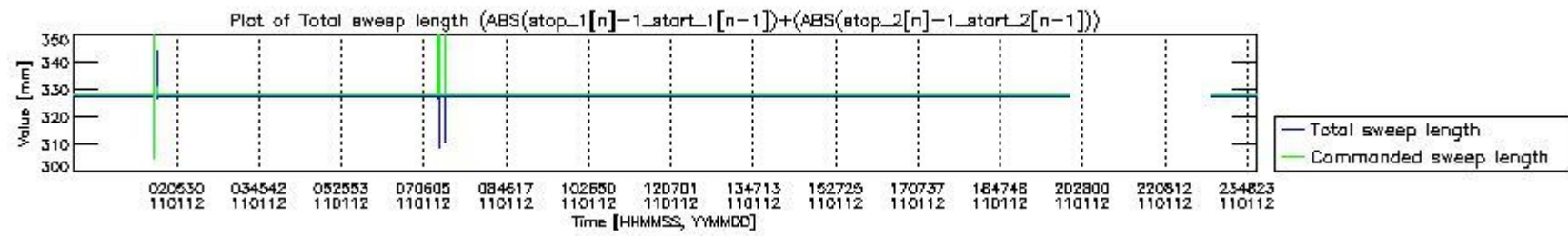
mipas_daily_report_level0_KSPT_L0_4504_N_20110112_3.PNG



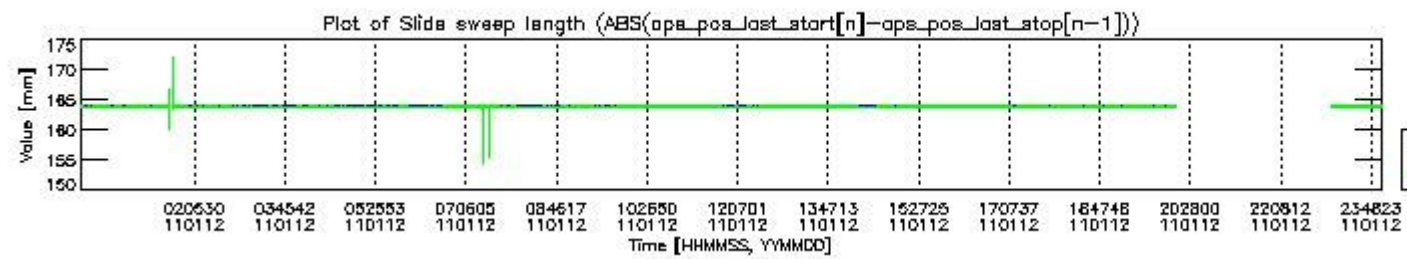
mipas_daily_report_level0_KSPT_L0_4504_N_20110112_4.PNG



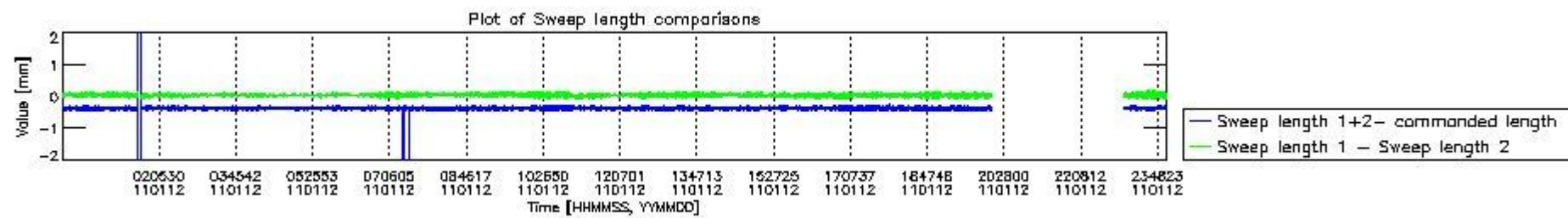
mipas_daily_report_level0_KSPT_L0_4504_N_20110112_5.PNG



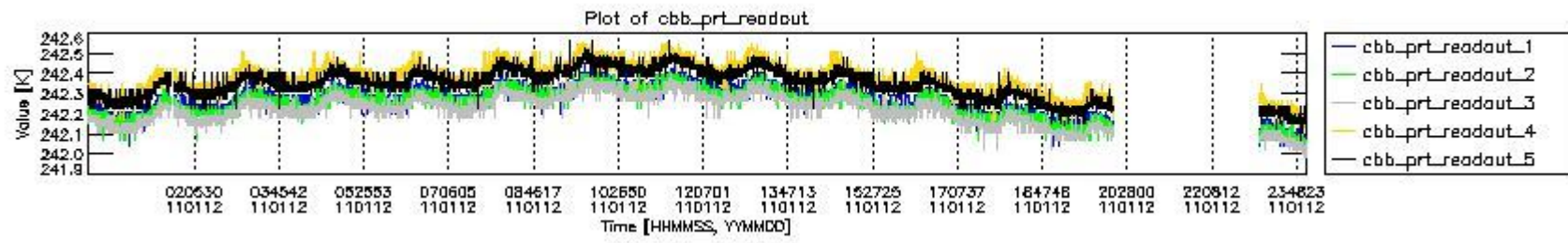
mipas_daily_report_level0_KSPT_L0_4504_N_20110112_6.PNG



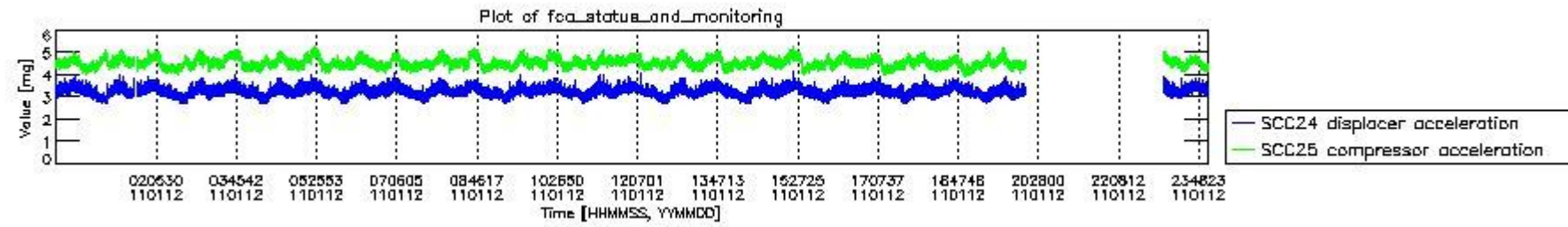
mipas_daily_report_level0_KSPT_L0_4504_N_20110112_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110112_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110112_9.PNG

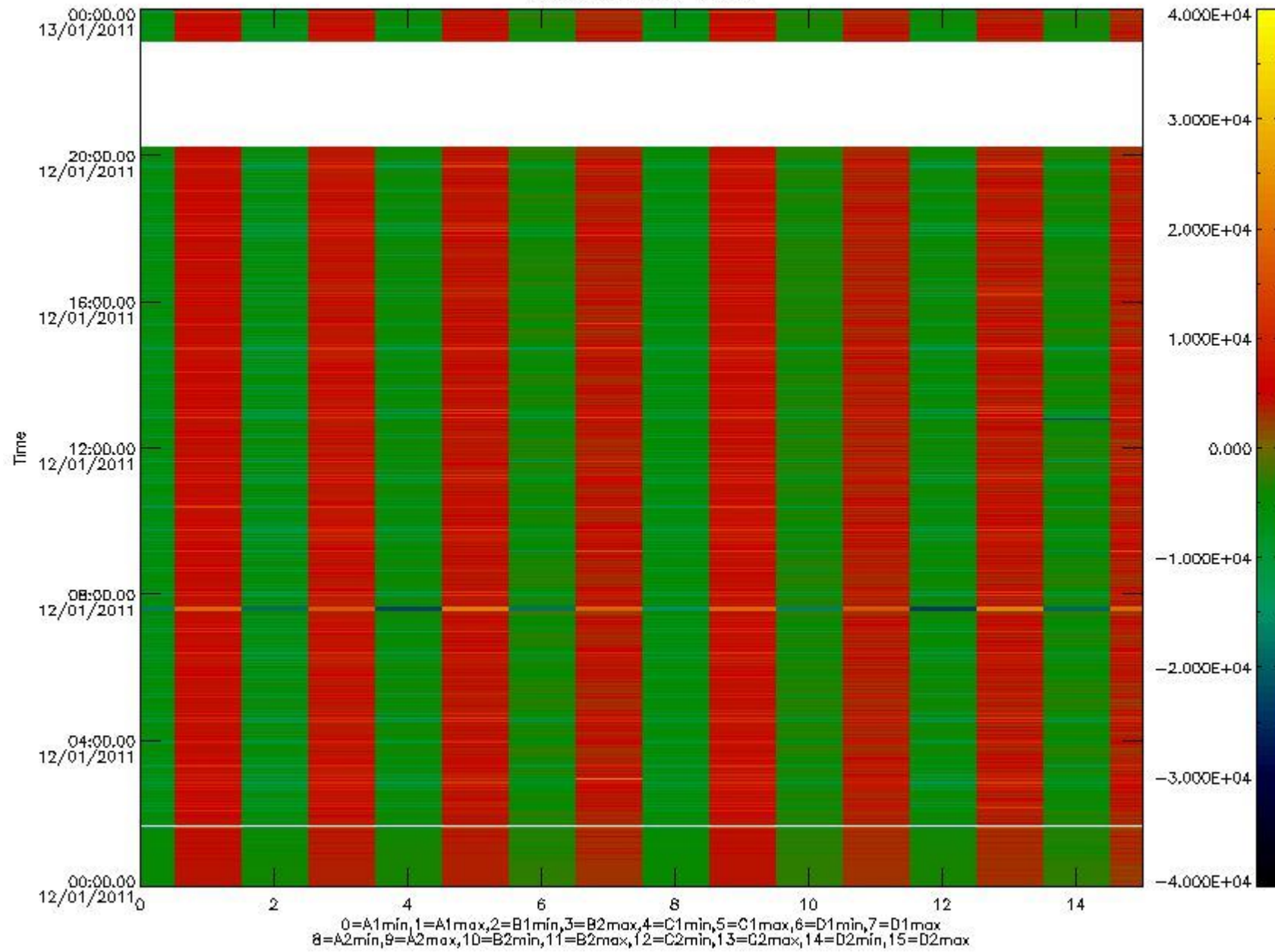


mipas_daily_report_level0_KSPT_L0_4504_N_20110112_10.PNG

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

Channel	Min	Max	ADC
A1	-17782	18836	16bit
B1	-19284	16716	16bit
C1	-23041	22601	16bit
D1	-32768	32767	16bit
A2	-15406	18944	16bit
B2	-17349	17040	16bit
C2	-23667	25233	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_20110112_11.PNG

0.3 ADF monitoring

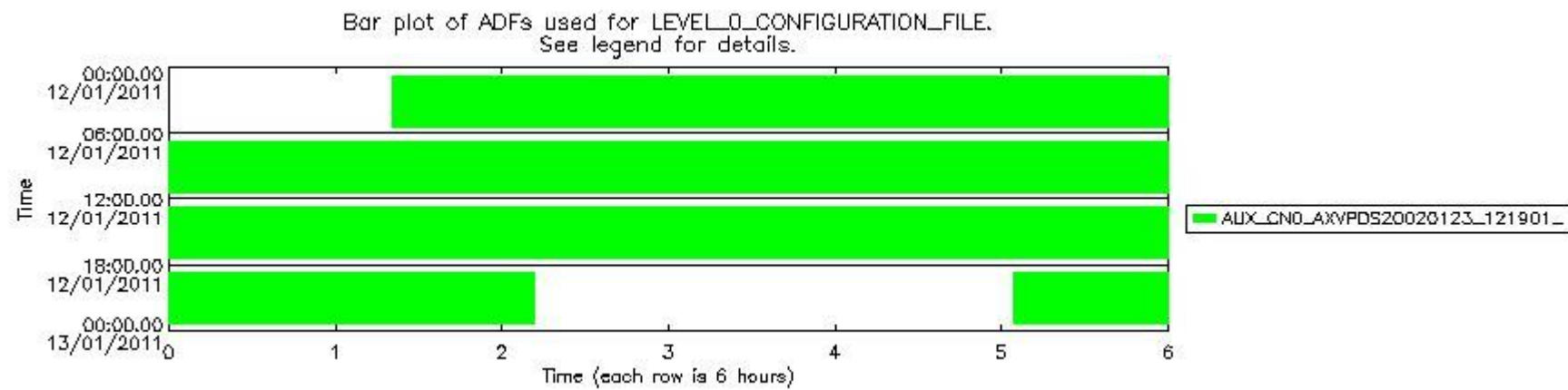
The use of ADFs is shown in two ways:

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.

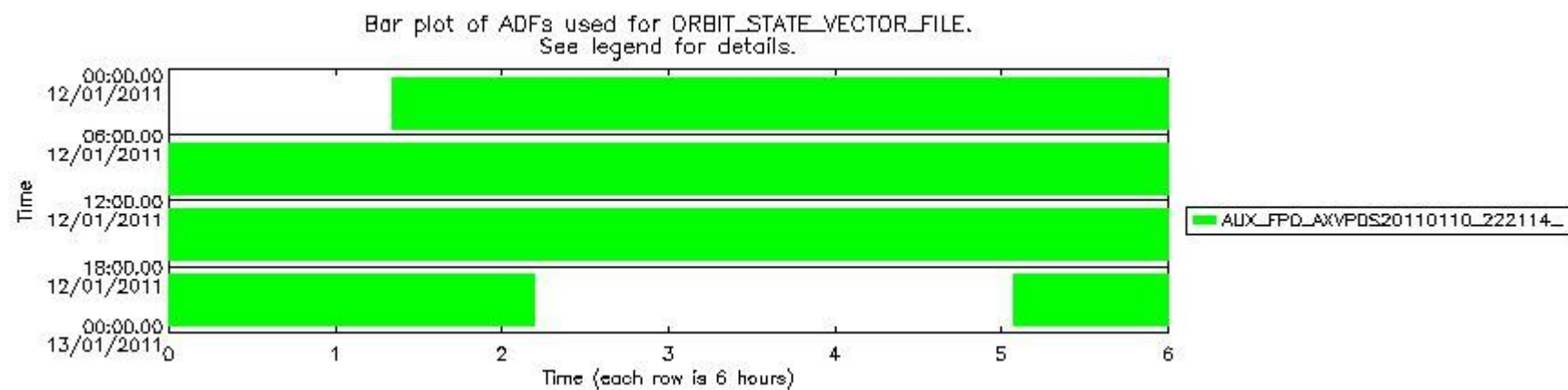
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110110_222114_20110110_192915_20110120_200253

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110112_012037_000103393098_00232_46367_2699.N1	0	1

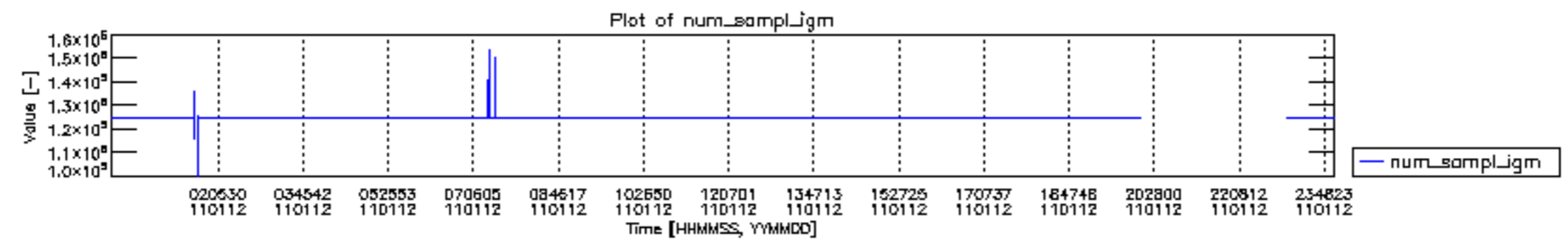
1	MIP_NL__0PNPDE20110112_041223_000061843098_00234_46369_2700.N1	0	1
2	MIP_NL__0PNPDE20110112_055455_000061813098_00235_46370_2701.N1	0	1
3	MIP_NL__0PNPDK20110112_073723_000038313098_00236_46371_3999.N1	0	1
4	MIP_NL__0PNPDK20110112_084018_000062093098_00237_46372_4000.N1	0	1
5	MIP_NL__0PNPDK20110112_102210_000059913098_00238_46373_4001.N1	0	1
6	MIP_NL__0PNPDK20110112_120057_000060623098_00239_46374_4002.N1	0	1
7	MIP_NL__0PNPDK20110112_134038_000059023098_00240_46375_4003.N1	0	1
8	MIP_NL__0PNPDK20110112_151818_000059143098_00241_46376_4004.N1	0	1
9	MIP_NL__0PNPDK20110112_165526_000059373098_00242_46377_4005.N1	0	1
10	MIP_NL__0PNPDK20110112_183323_000059003098_00243_46378_4006.N1	0	1
11	MIP_NL__0PNPDE20110112_230430_000061423098_00245_46380_2702.N1	0	1

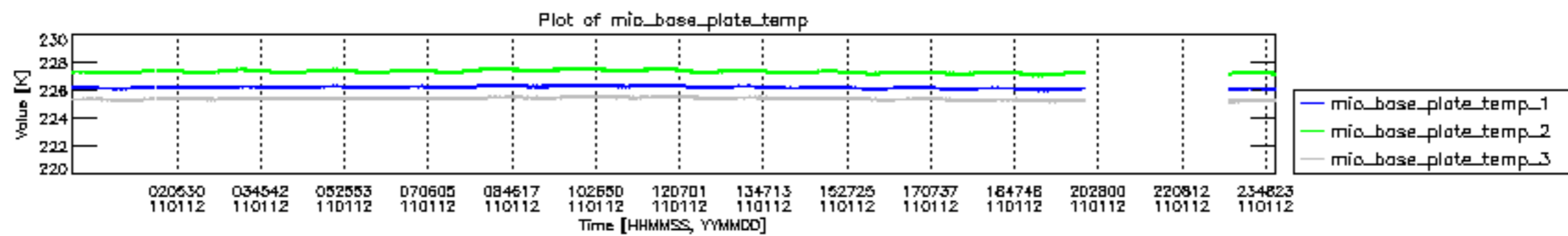


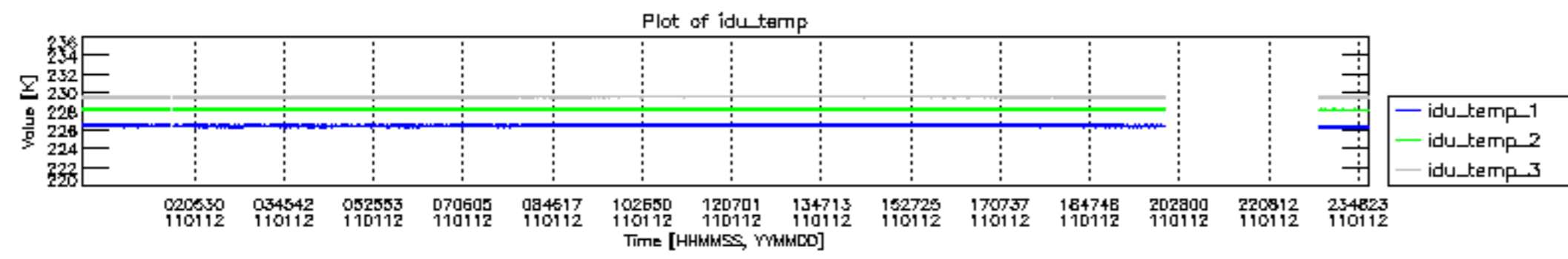
mipas_daily_report_level0_KSPT_L0_4504_N_20110112_12.PNG

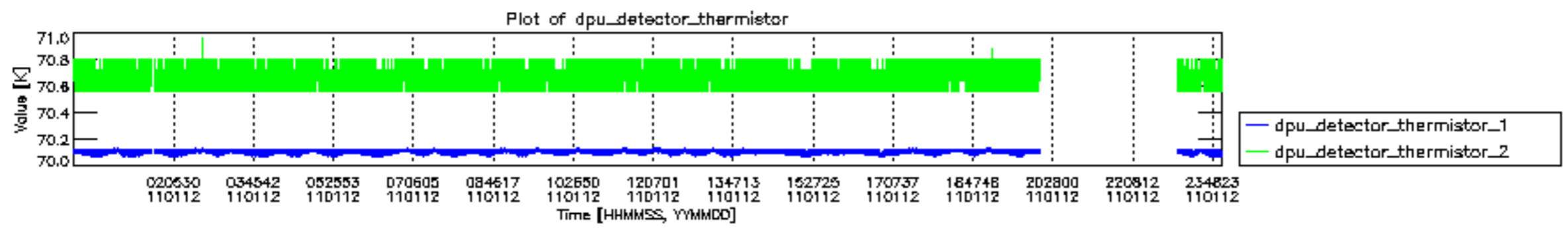


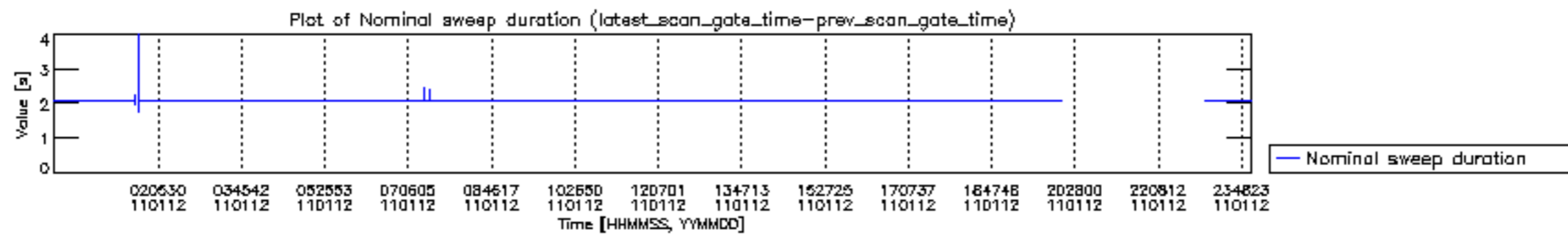
mipas_daily_report_level0_KSPT_L0_4504_N_20110112_13.PNG

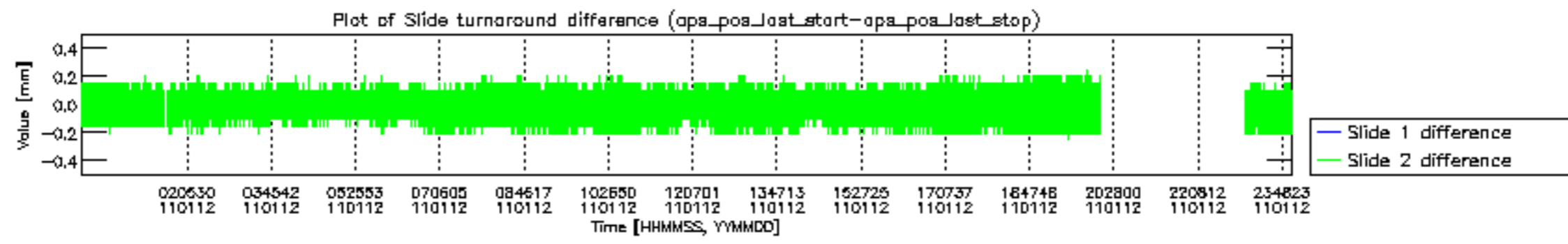


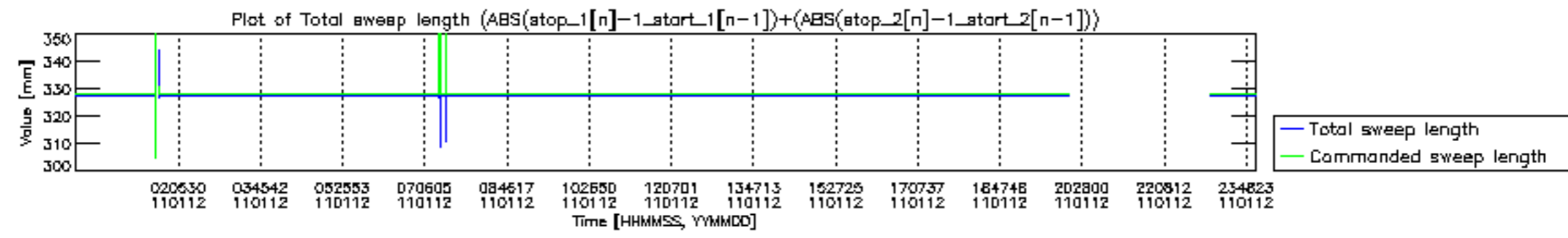


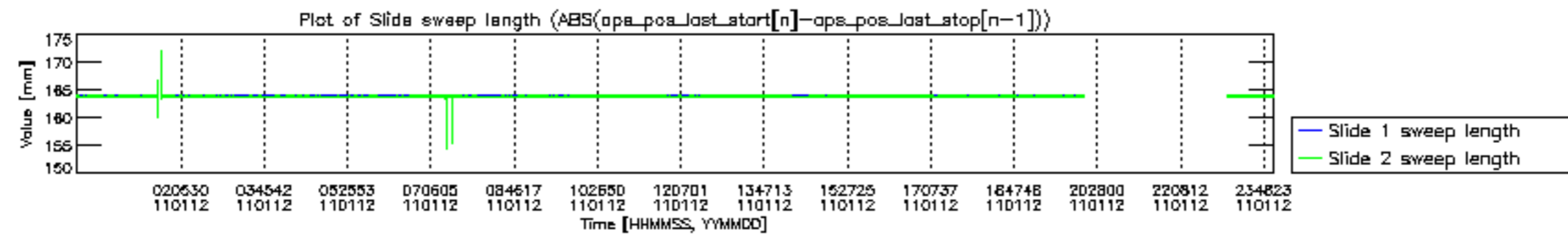


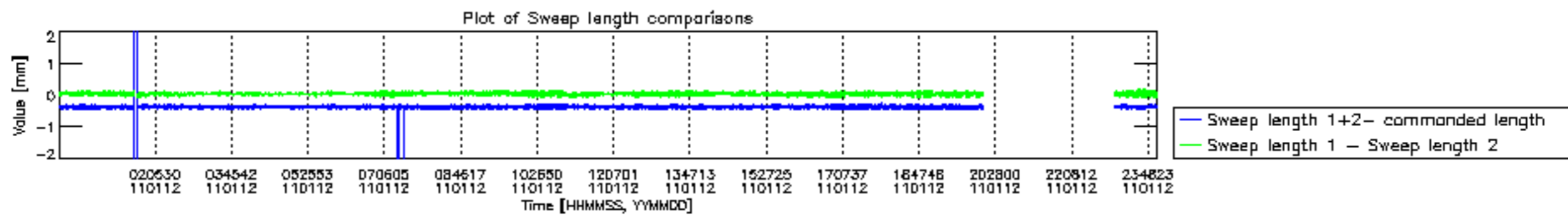


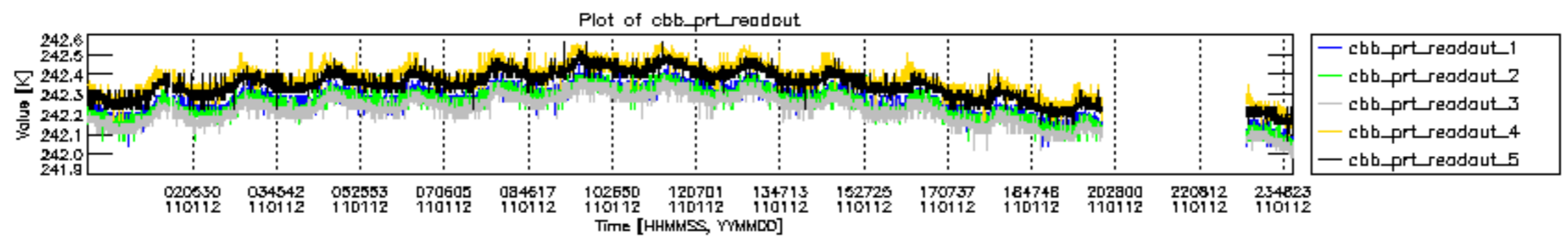


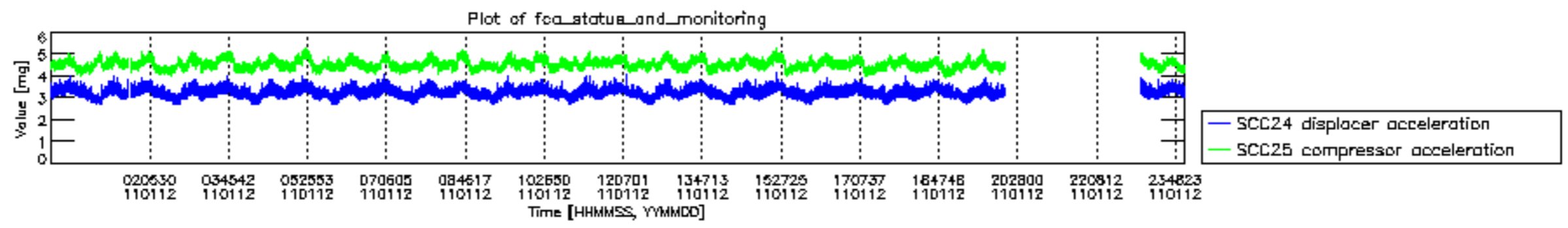












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

