

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	07APR2012 05:24:38
Data source version	KSPT_L0/4504-N
Processing scope for products	02APR2012 00:00:00 to 03APR2012 00:00:00
Start time of first product within scope	02APR2012 00:32:57
Stop time of last product within scope	03APR2012 01:37:02
Total number of level 0 products	16
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__0PNPDE20120402_003257_000058743113_00174_52774_1339.N1	02APR2012 00:32:57	02APR2012 02:10:51	0	0	0	0	0
1	MIP_NL__0PNPDE20120402_020947_000045523113_00175_52775_1340.N1	02APR2012 02:09:47	02APR2012 03:25:39	0	0	0	0	0
2	MIP_NL__0PNPDE20120402_032505_000061273113_00176_52776_1341.N1	02APR2012 03:25:05	02APR2012 05:07:12	0	0	0	0	0
3	MIP_NL__0PNPDE20120402_050639_000060293113_00177_52777_1342.N1	02APR2012 05:06:39	02APR2012 06:47:07	0	0	0	0	0
4	MIP_NL__0PNPDK20120402_064634_000040883113_00178_52778_9092.N1	02APR2012 06:46:34	02APR2012 07:54:42	0	0	0	0	0
5	MIP_NL__0PNPDK20120402_075409_000060933113_00179_52779_9093.N1	02APR2012 07:54:09	02APR2012 09:35:42	0	0	0	0	0
6	MIP_NL__0PNPDK20120402_093458_000060313113_00180_52780_9094.N1	02APR2012 09:34:58	02APR2012 11:15:29	0	0	0	0	0
7	MIP_NL__0PNPDK20120402_111447_000059223113_00181_52781_9095.N1	02APR2012 11:14:47	02APR2012 12:53:30	0	0	0	0	0
8	MIP_NL__0PNPDK20120402_125246_000058933113_00182_52782_9096.N1	02APR2012 12:52:46	02APR2012 14:30:59	0	0	0	0	0
9	MIP_NL__0PNPDK20120402_142927_000059723113_00183_52783_9097.N1	02APR2012 14:29:27	02APR2012 16:08:59	0	0	0	0	0
10	MIP_NL__0PNPDK20120402_160723_000059543113_00184_52784_9098.N1	02APR2012 16:07:23	02APR2012 17:46:37	0	0	0	0	0
11	MIP_NL__0PNPDK20120402_174538_000058143113_00185_52785_9099.N1	02APR2012 17:45:38	02APR2012 19:22:32	0	0	0	0	0
12	MIP_NL__0PNPDK20120402_192123_000063033113_00186_52786_9100.N1	02APR2012 19:21:23	02APR2012 21:06:26	0	0	0	0	0
13	MIP_NL__0PNPDE20120402_210446_000042373113_00187_52787_1343.N1	02APR2012 21:04:46	02APR2012 22:15:22	0	0	0	0	0
14	MIP_NL__0PNPDE20120402_221424_000061693113_00187_52787_1344.N1	02APR2012 22:14:24	02APR2012 23:57:13	0	0	0	0	0
15	MIP_NL__0PNPDE20120402_235608_000060543113_00188_52788_1345.N1	02APR2012 23:56:08	03APR2012 01:37:02	0	0	0	0	0

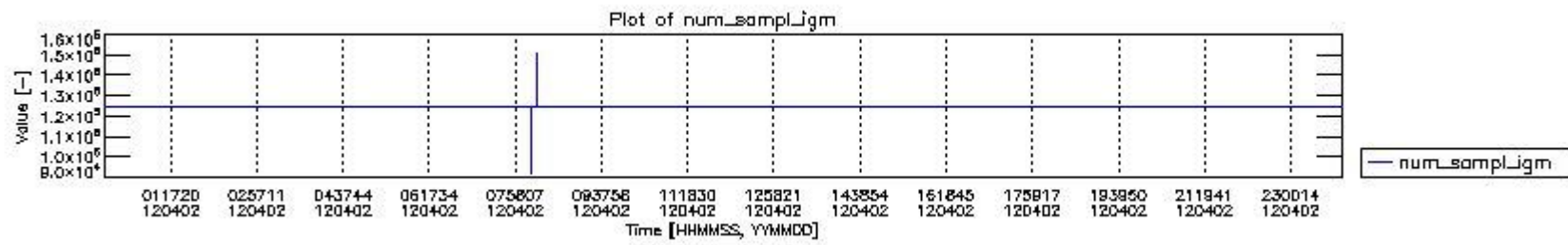
0.2 Instrument Operational Performance Parameters

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.

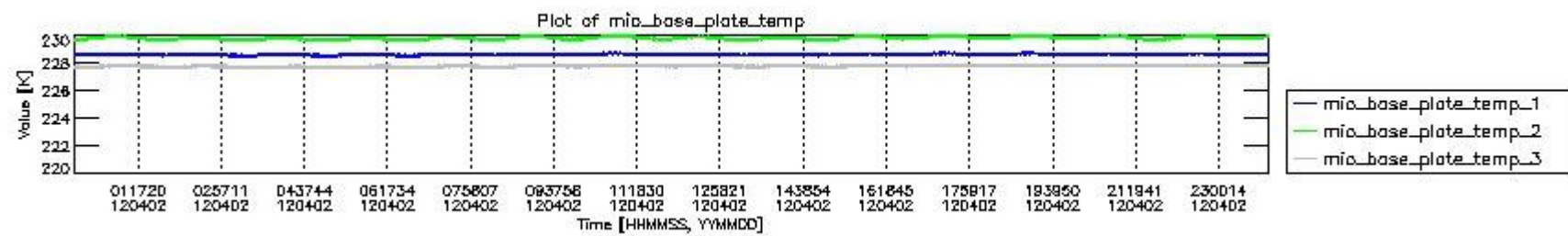
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
92258	1	0.0023995777
98463	1	0.0023995777

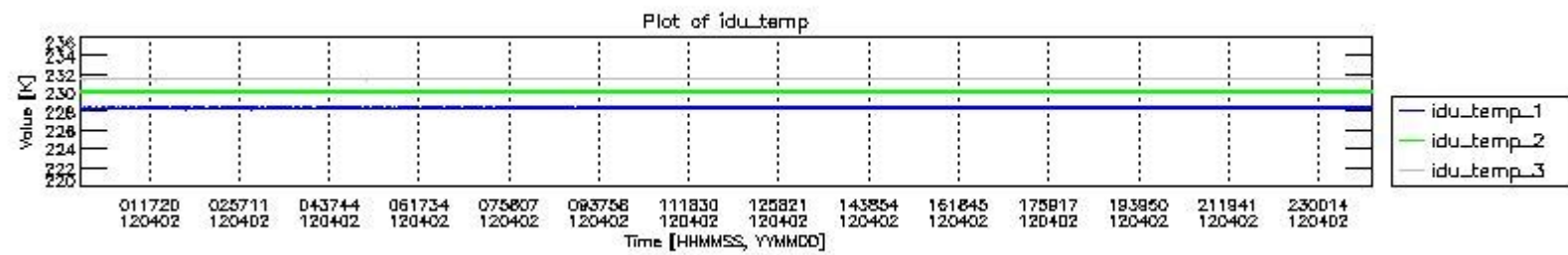
118595	1	0.0023995777
124800	38710	92.887652
124803	2958	7.0979508
127531	1	0.0023995777
147663	1	0.0023995777
150394	1	0.0023995777



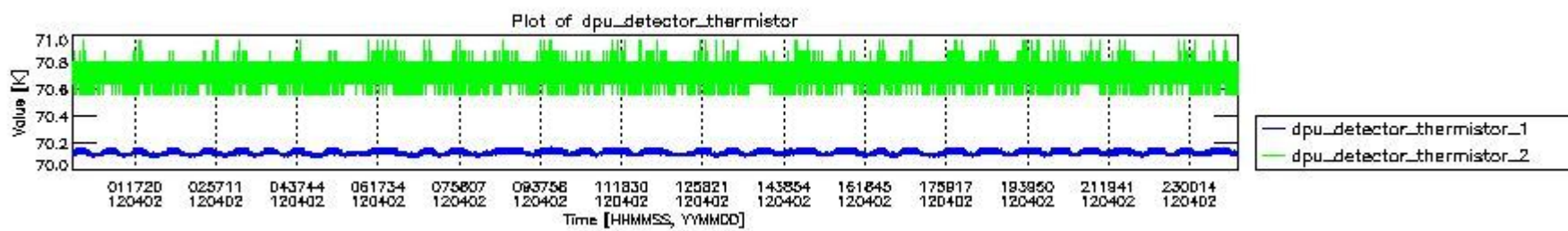
mipas_daily_report_level0_KSPT_L0_4504_N_20120402_0.PNG



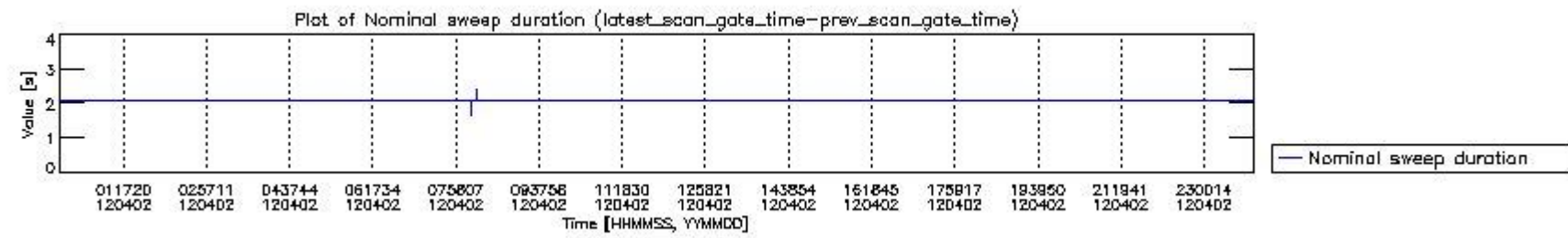
mipas_daily_report_level0_KSPT_L0_4504_N_20120402_1.PNG



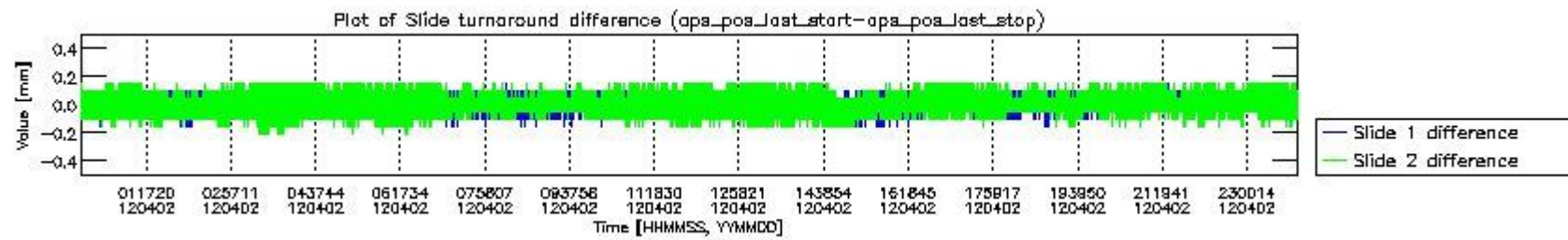
mipas_daily_report_level0_KSPT_L0_4504_N_20120402_2.PNG



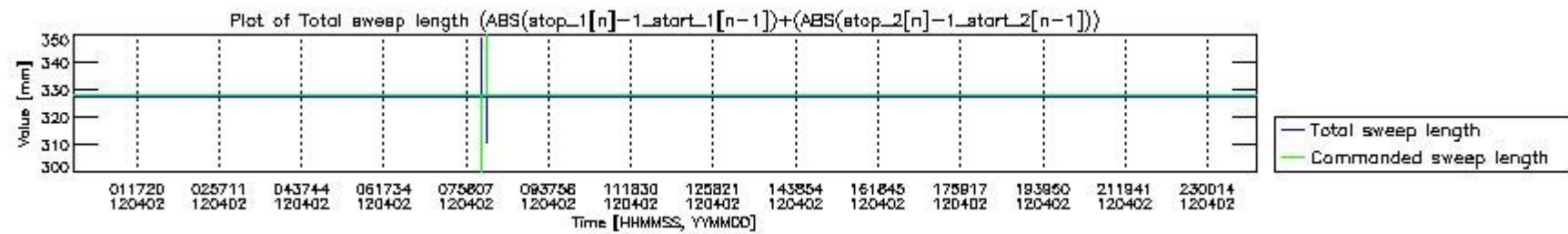
mipas_daily_report_level0_KSPT_L0_4504_N_20120402_3.PNG



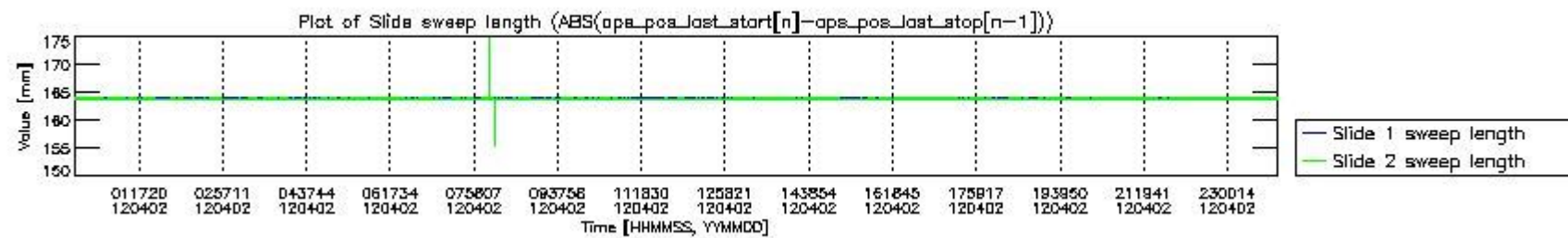
mipas_daily_report_level0_KSPT_L0_4504_N_20120402_4.PNG



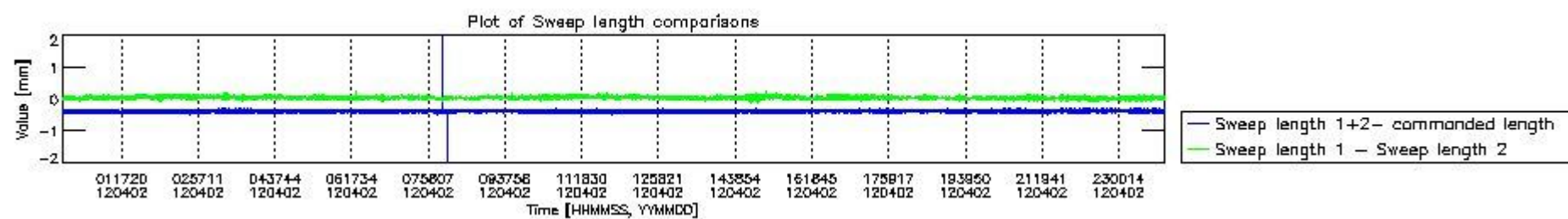
mipas_daily_report_level0_KSPT_L0_4504_N_20120402_5.PNG



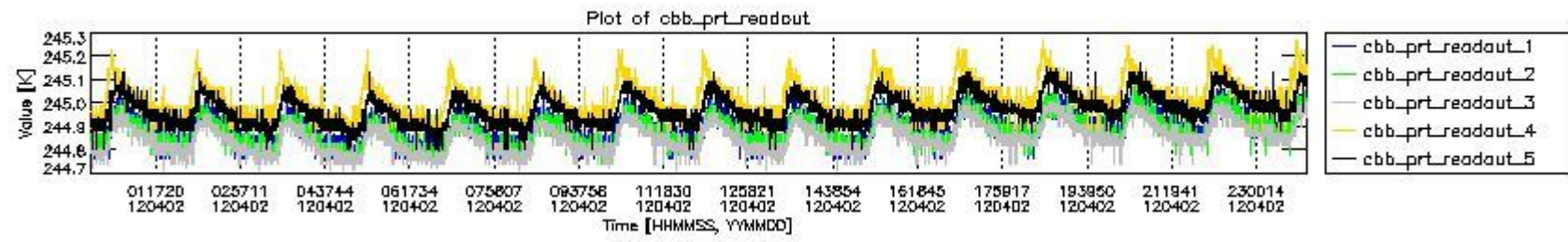
mipas_daily_report_level0_KSPT_L0_4504_N_20120402_6.PNG



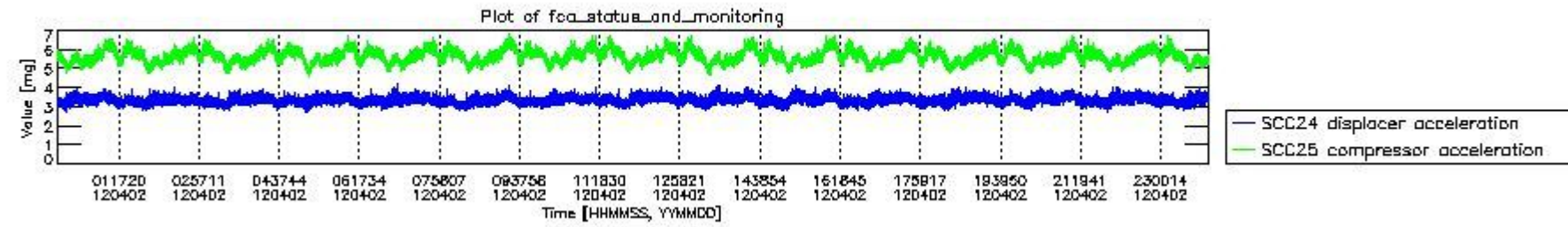
mipas_daily_report_level0_KSPT_L0_4504_N_20120402_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120402_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120402_9.PNG

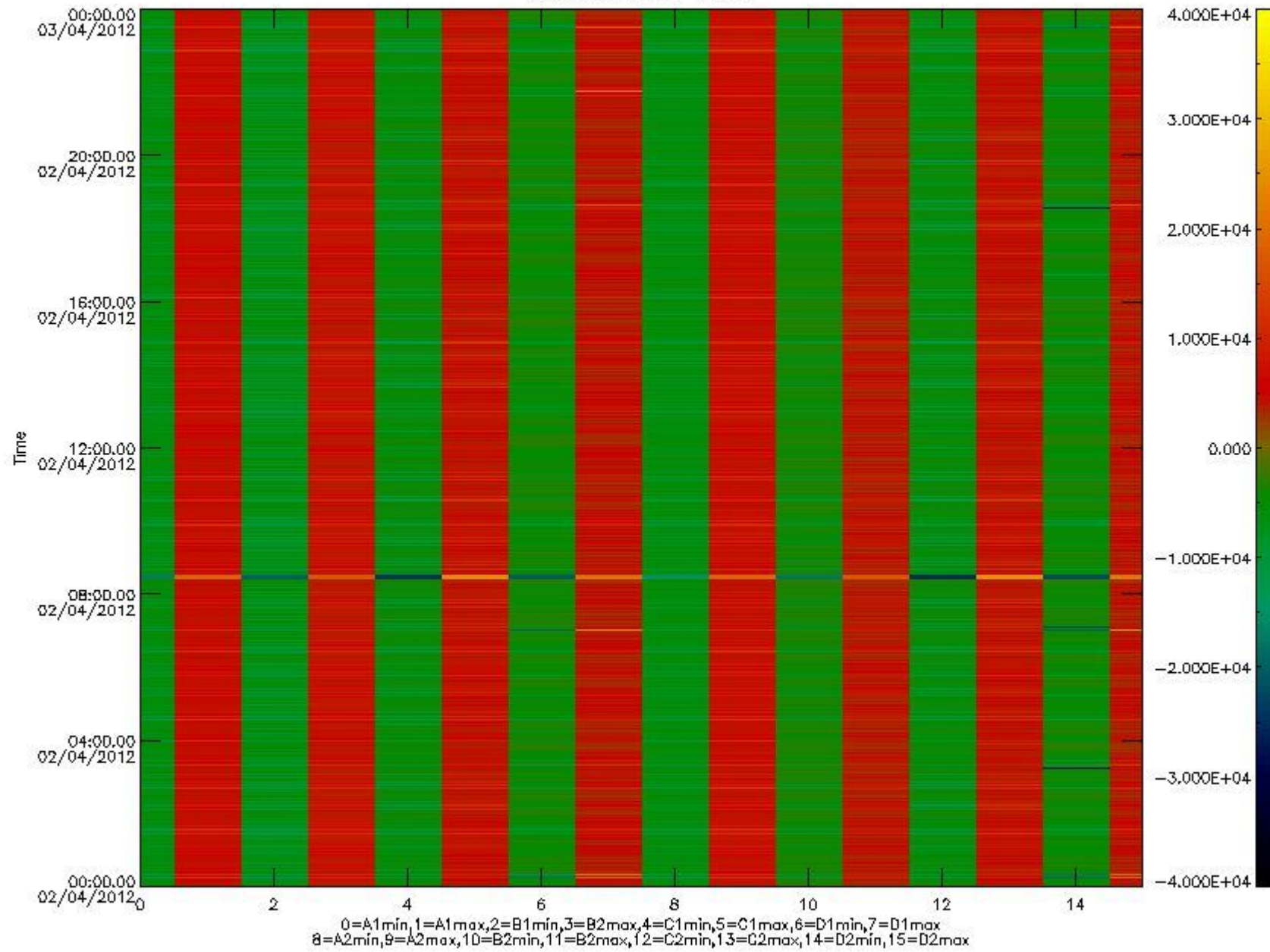


mipas_daily_report_level0_KSPT_L0_4504_N_20120402_10.PNG

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

Channel	Min	Max	ADC
A1	-17699	18639	16bit
B1	-20250	17466	16bit
C1	-24833	24735	16bit
D1	-32768	32767	16bit
A2	-15445	18941	16bit
B2	-18037	17772	16bit
C2	-25876	25467	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_20120402_11.PNG

0.3 ADF monitoring

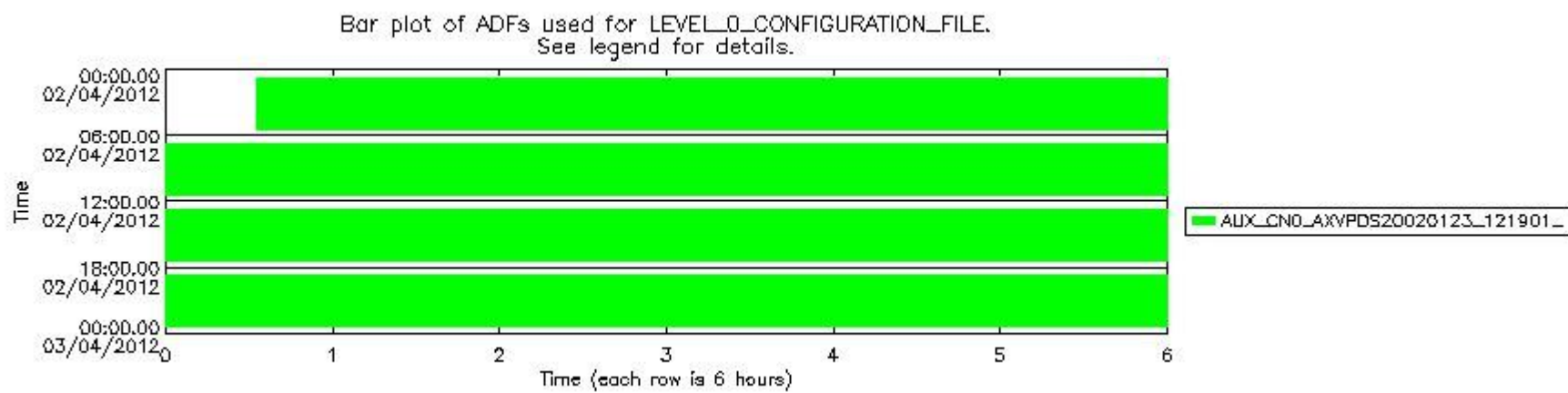
The use of ADFs is shown in two ways:

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.

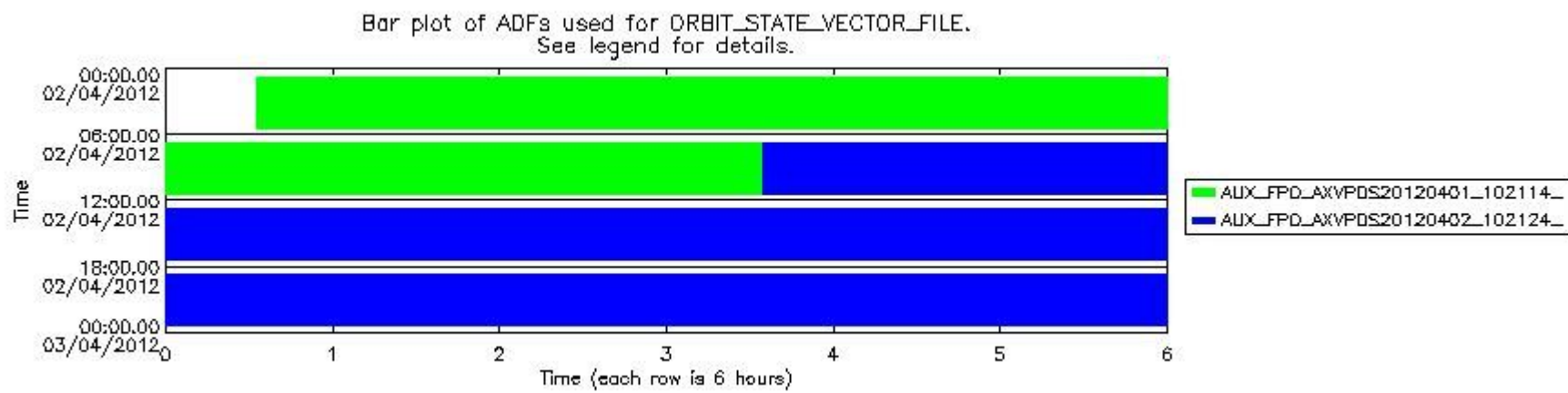
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120401_102114_20120331_184051_20120410_205429
2	AUX_FPO_AXVPDS20120402_102124_20120401_194420_20120411_201744

Number	Product name	#CN0	#FPO
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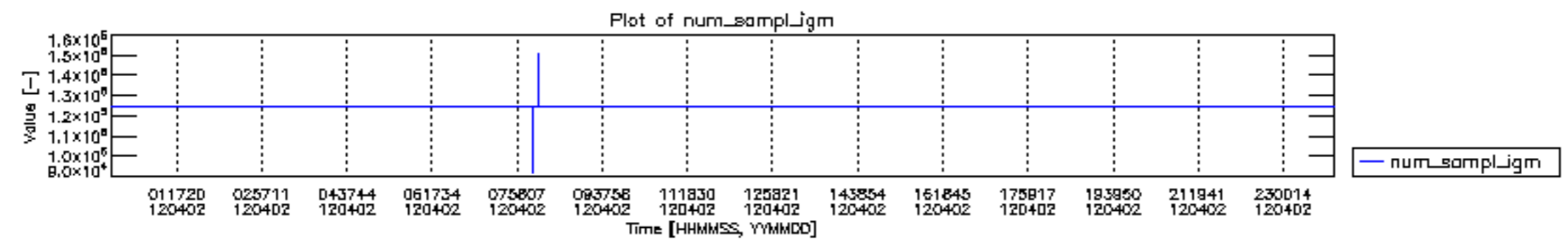
0	MIP_NL__0PNPDE20120402_003257_000058743113_00174_52774_1339.N1	0	1
1	MIP_NL__0PNPDE20120402_020947_000045523113_00175_52775_1340.N1	0	1
2	MIP_NL__0PNPDE20120402_032505_000061273113_00176_52776_1341.N1	0	1
3	MIP_NL__0PNPDE20120402_050639_000060293113_00177_52777_1342.N1	0	1
4	MIP_NL__0PNPDK20120402_064634_000040883113_00178_52778_9092.N1	0	1
5	MIP_NL__0PNPDK20120402_075409_000060933113_00179_52779_9093.N1	0	1
6	MIP_NL__0PNPDK20120402_093458_000060313113_00180_52780_9094.N1	0	2
7	MIP_NL__0PNPDK20120402_111447_000059223113_00181_52781_9095.N1	0	2
8	MIP_NL__0PNPDK20120402_125246_000058933113_00182_52782_9096.N1	0	2
9	MIP_NL__0PNPDK20120402_142927_000059723113_00183_52783_9097.N1	0	2
10	MIP_NL__0PNPDK20120402_160723_000059543113_00184_52784_9098.N1	0	2
11	MIP_NL__0PNPDK20120402_174538_000058143113_00185_52785_9099.N1	0	2
12	MIP_NL__0PNPDK20120402_192123_000063033113_00186_52786_9100.N1	0	2
13	MIP_NL__0PNPDE20120402_210446_000042373113_00187_52787_1343.N1	0	2
14	MIP_NL__0PNPDE20120402_221424_000061693113_00187_52787_1344.N1	0	2
15	MIP_NL__0PNPDE20120402_235608_000060543113_00188_52788_1345.N1	0	2

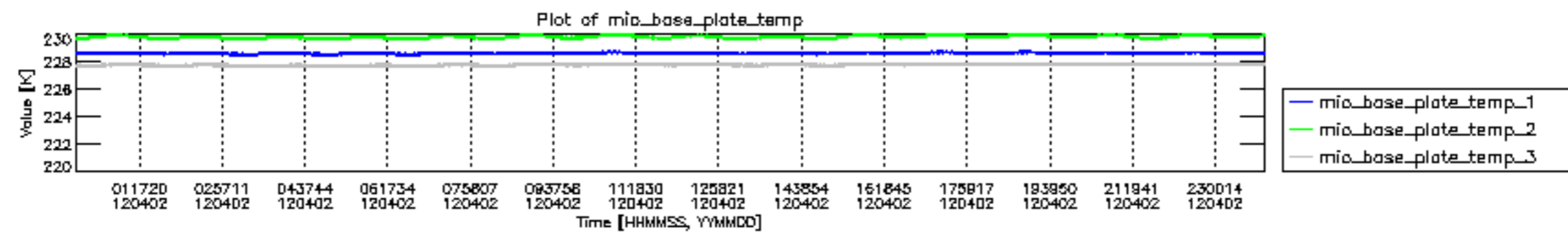


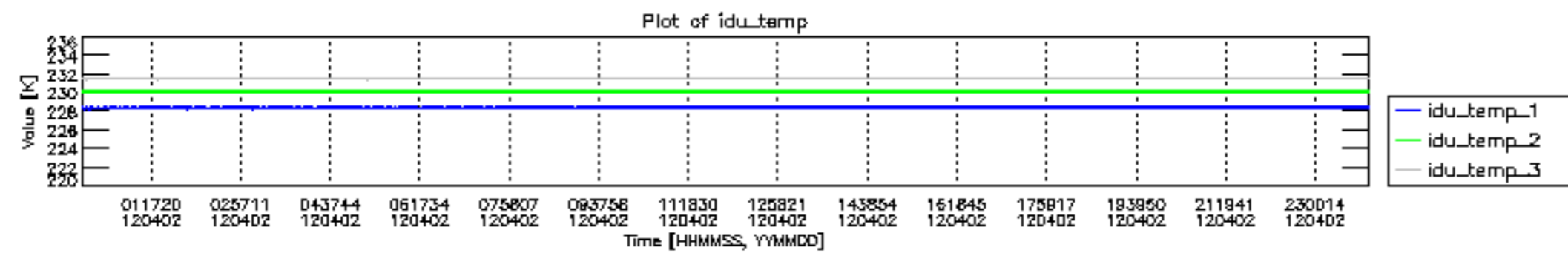
mipas_daily_report_level0_KSPT_L0_4504_N_20120402_12.PNG

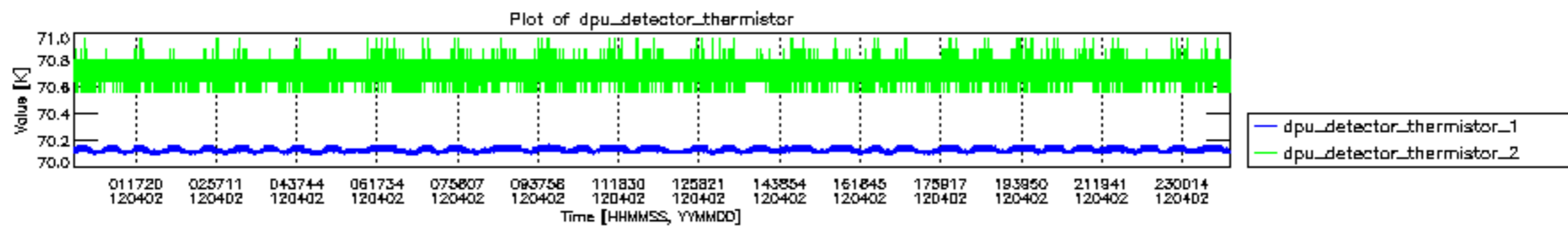


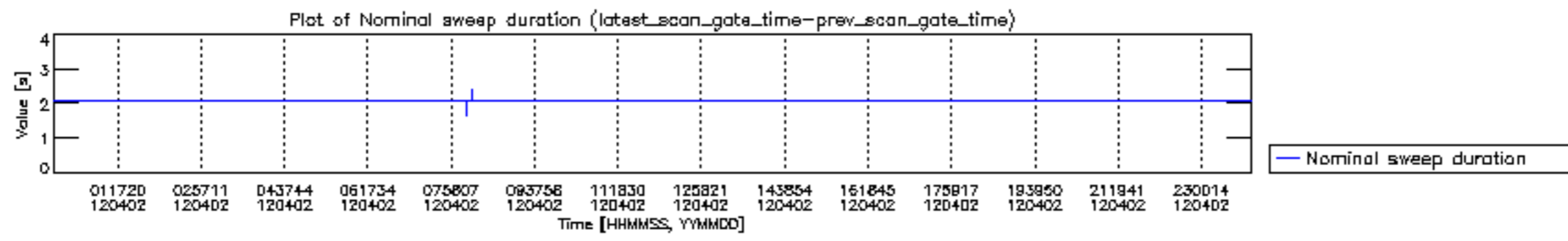
mipas_daily_report_level0_KSPT_L0_4504_N_20120402_13.PNG

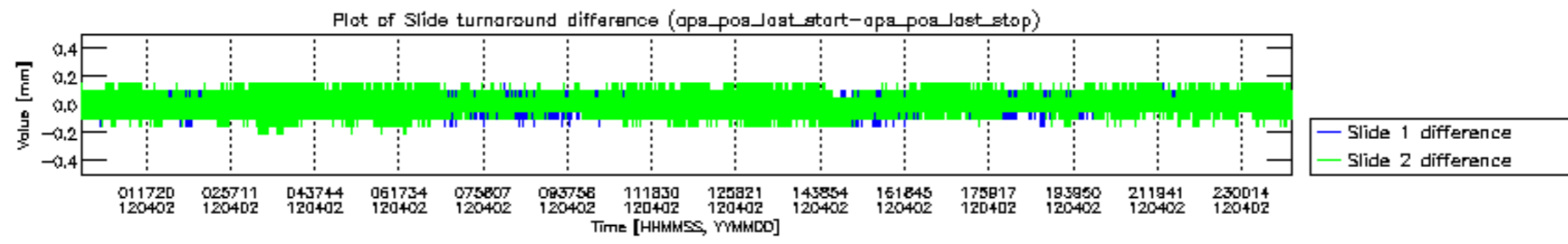


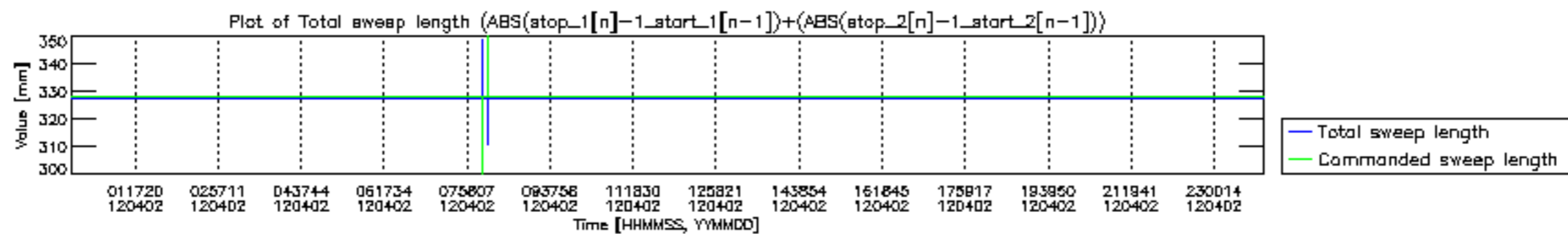


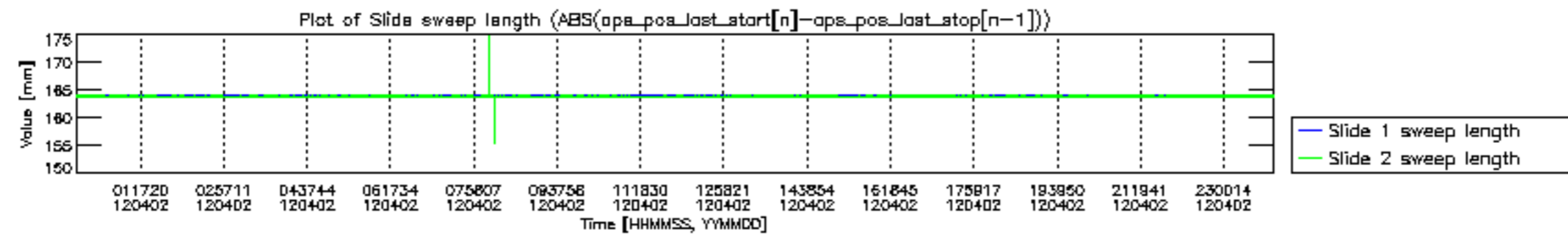


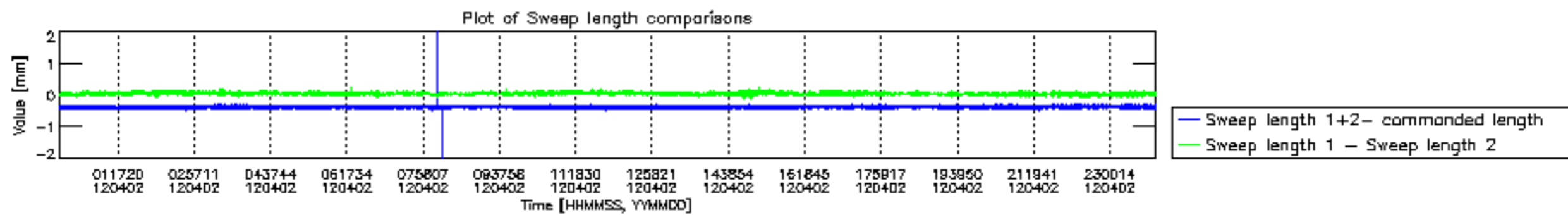


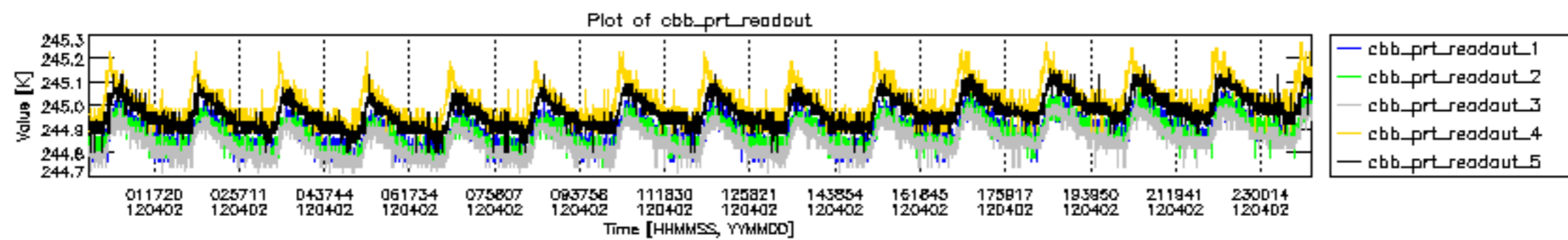


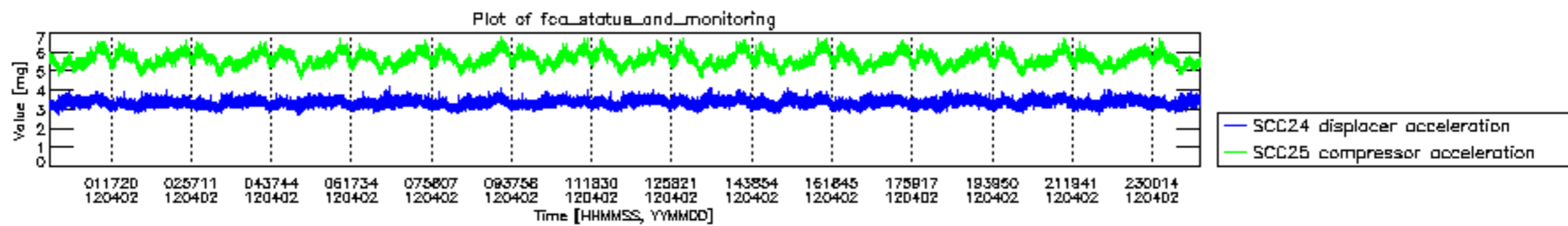












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

