

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	10FEB2012 05:23:00
Data source version	KSPT_L0/4504-N
Processing scope for products	05FEB2012 00:00:00 to 06FEB2012 00:00:00
Start time of first product within scope	05FEB2012 00:22:29
Stop time of last product within scope	06FEB2012 01:26:58
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__OPNPDE20120205_002229_000058843111_00217_51955_0962.N1	05FEB2012 00:22:29	05FEB2012 02:00:33	0	0	0	0	0
1	MIP_NL__OPNPDE20120205_015934_000045213111_00218_51956_0963.N1	05FEB2012 01:59:34	05FEB2012 03:14:55	0	0	0	0	0
2	MIP_NL__OPNPDE20120205_031421_000061483111_00219_51957_0964.N1	05FEB2012 03:14:21	05FEB2012 04:56:49	0	0	0	0	0
3	MIP_NL__OPNPDE20120205_045616_000060643111_00220_51958_0965.N1	05FEB2012 04:56:16	05FEB2012 06:37:20	0	0	0	0	0
4	MIP_NL__OPNPDK20120205_063647_000040723111_00221_51959_8450.N1	05FEB2012 06:36:47	05FEB2012 07:44:39	0	0	0	0	0
5	MIP_NL__OPNPDK20120205_074340_000059713111_00222_51960_8451.N1	05FEB2012 07:43:40	05FEB2012 09:23:11	0	0	0	0	0
6	MIP_NL__OPNPDK20120205_092135_000060753111_00223_51961_8452.N1	05FEB2012 09:21:35	05FEB2012 11:02:50	0	0	0	0	0
7	MIP_NL__OPNPDK20120205_110133_000061523111_00224_51962_8453.N1	05FEB2012 11:01:33	05FEB2012 12:44:05	0	0	0	0	0
8	MIP_NL__OPNPDK20120205_124305_000058283111_00225_51963_8454.N1	05FEB2012 12:43:05	05FEB2012 14:20:13	0	0	0	0	0
9	MIP_NL__OPNPDK20120205_141831_000059873111_00226_51964_8455.N1	05FEB2012 14:18:31	05FEB2012 15:58:18	0	0	0	0	0
10	MIP_NL__OPNPDK20120205_155732_000059373111_00227_51965_8456.N1	05FEB2012 15:57:32	05FEB2012 17:36:29	0	0	0	0	0
11	MIP_NL__OPNPDK20120205_173528_000058413111_00228_51966_8457.N1	05FEB2012 17:35:28	05FEB2012 19:12:49	0	0	0	0	0
12	MIP_NL__OPNPDK20120205_191140_000060873111_00229_51967_8458.N1	05FEB2012 19:11:40	05FEB2012 20:53:08	0	0	0	0	0
13	MIP_NL__OPNPDE20120205_205052_000045793111_00230_51968_0969.N1	05FEB2012 20:50:52	05FEB2012 22:07:11	0	0	0	0	0
14	MIP_NL__OPNPDE20120205_220602_000060123111_00230_51968_0970.N1	05FEB2012 22:06:02	05FEB2012 23:46:14	0	0	0	0	0
15	MIP_NL__OPNPDE20120205_234507_000061103111_00231_51969_0971.N1	05FEB2012 23:45:07	06FEB2012 01:26:58	0	0	0	0	0

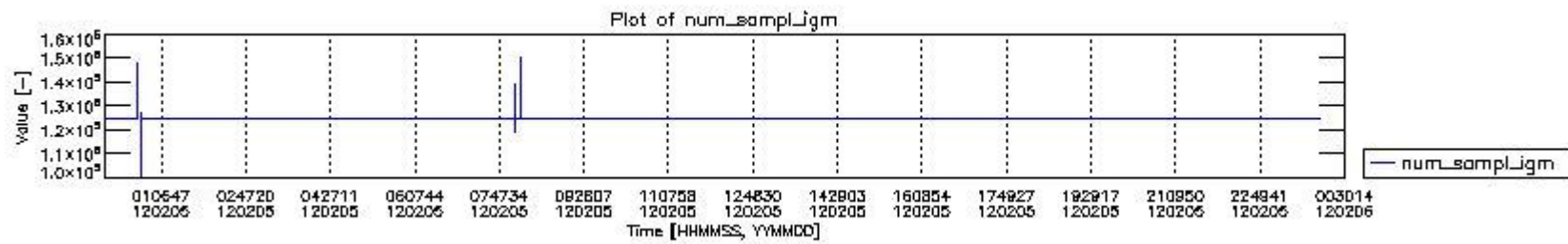
0.2 Instrument Operational Performance Parameters

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.

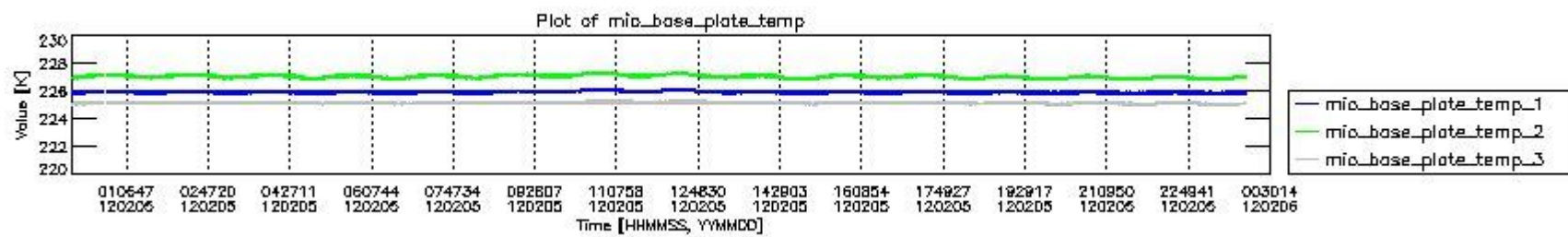
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100632	1	0.0024094063
119353	1	0.0024094063

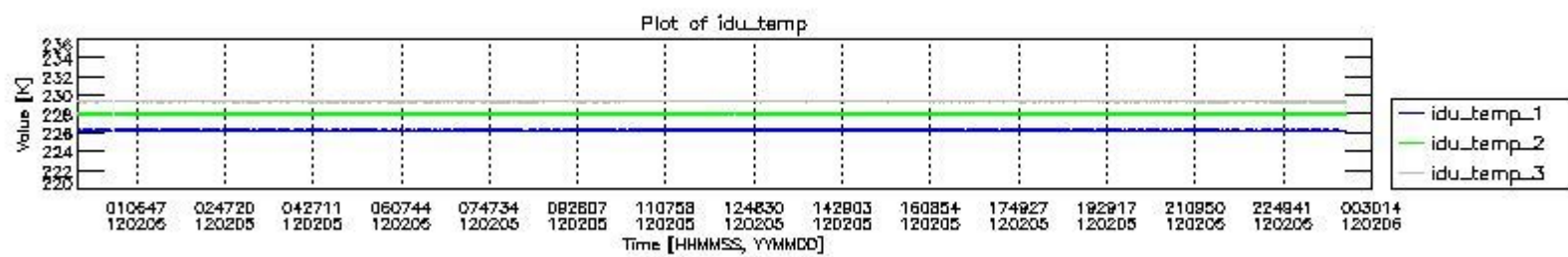
124800	39115	94.243928
124803	2377	5.7271588
125884	1	0.0024094063
126415	1	0.0024094063
126968	1	0.0024094063
127456	1	0.0024094063
134038	1	0.0024094063
139485	1	0.0024094063
146547	1	0.0024094063
147588	1	0.0024094063
148162	1	0.0024094063
150244	1	0.0024094063



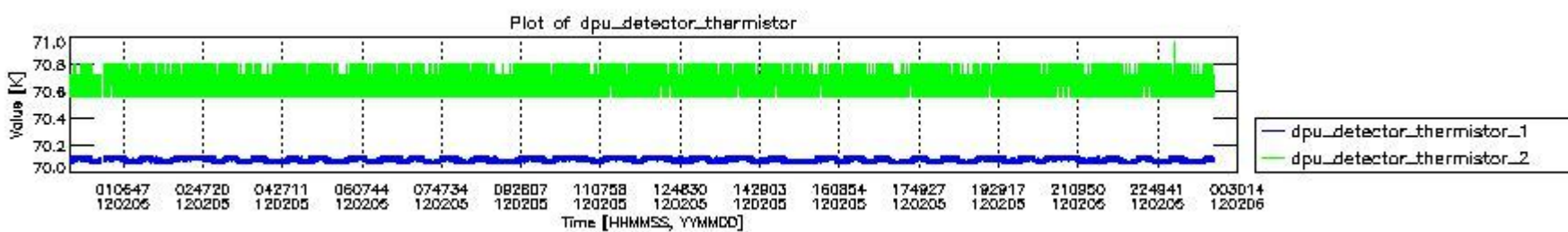
mipas_daily_report_level0_KSPT_L0_4504_N_20120205_0.PNG



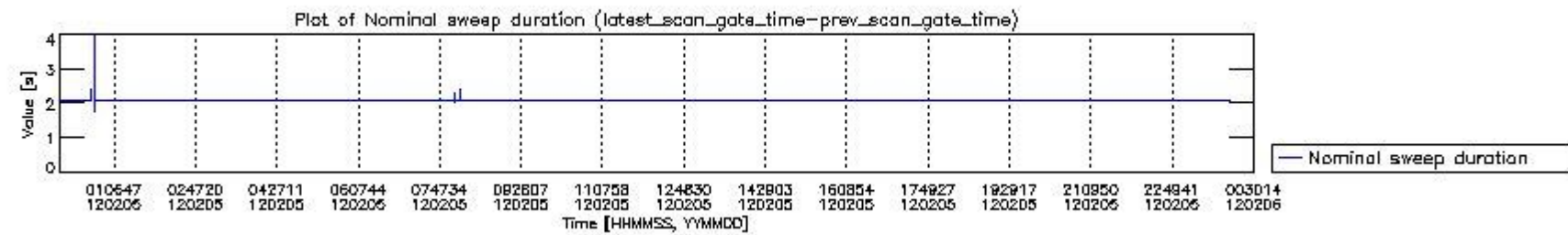
mipas_daily_report_level0_KSPT_L0_4504_N_20120205_1.PNG



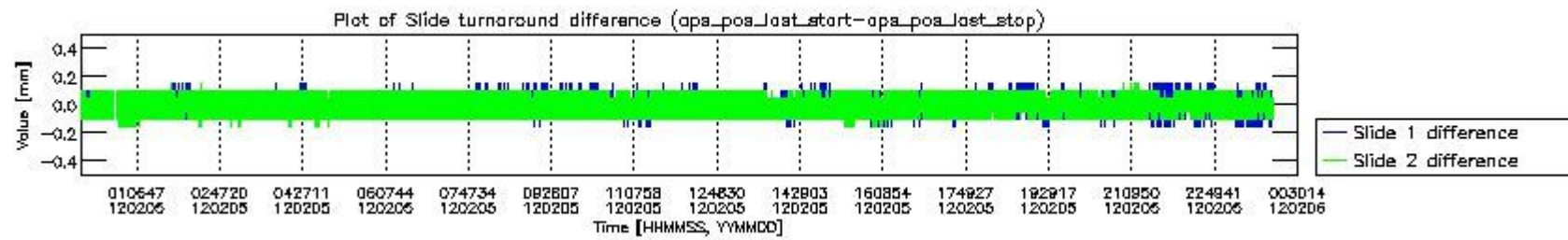
mipas_daily_report_level0_KSPT_L0_4504_N_20120205_2.PNG



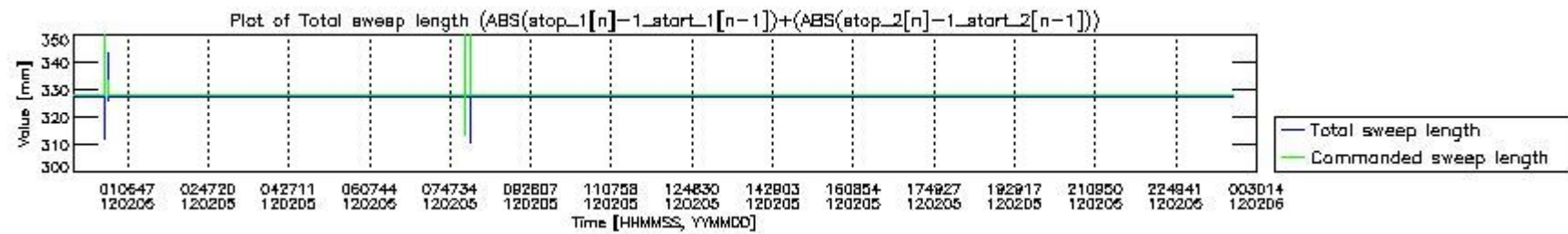
mipas_daily_report_level0_KSPT_L0_4504_N_20120205_3.PNG



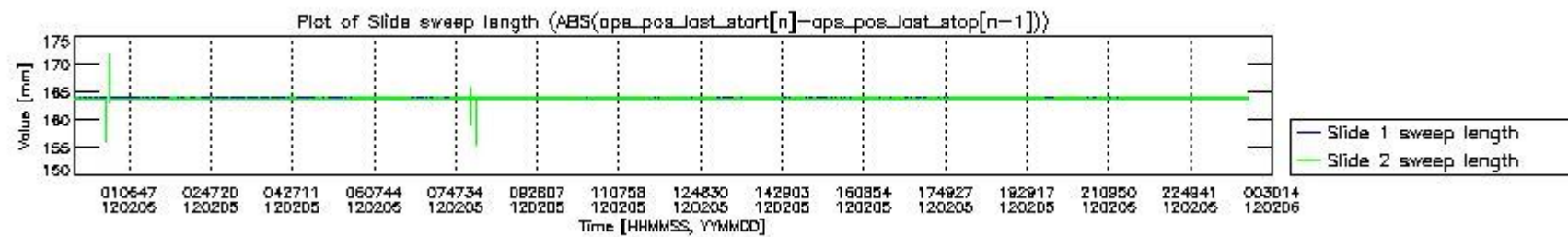
mipas_daily_report_level0_KSPT_L0_4504_N_20120205_4.PNG



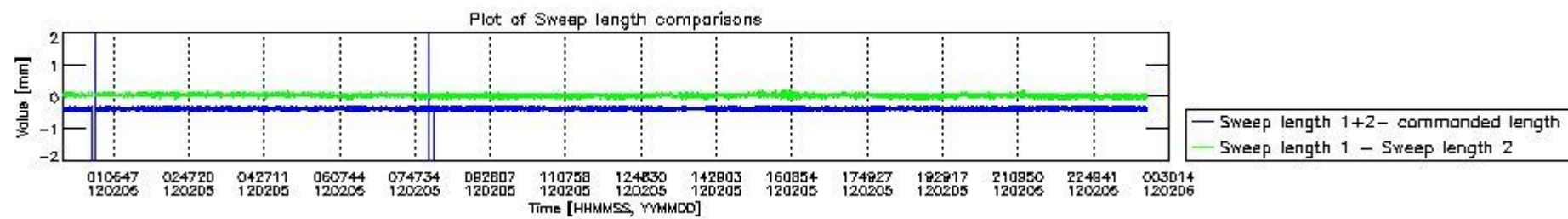
mipas_daily_report_level0_KSPT_L0_4504_N_20120205_5.PNG



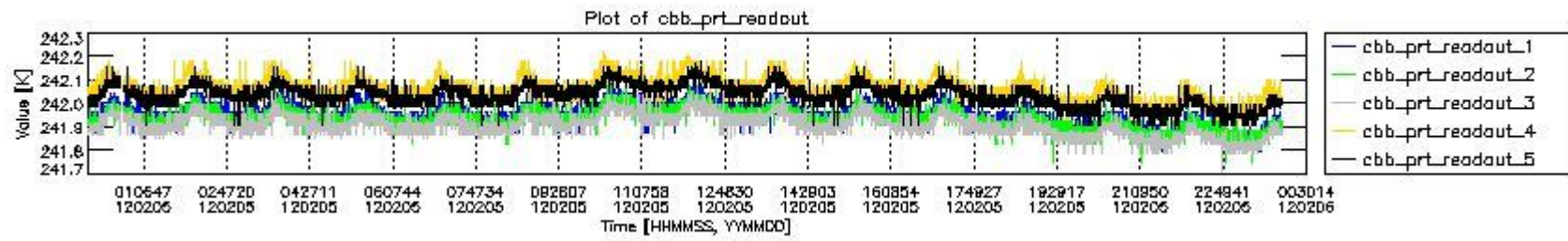
mipas_daily_report_level0_KSPT_L0_4504_N_20120205_6.PNG



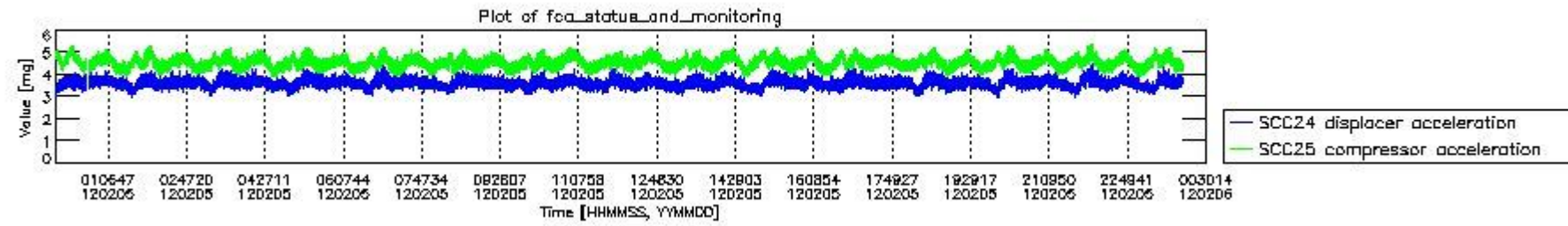
mipas_daily_report_level0_KSPT_L0_4504_N_20120205_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120205_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120205_9.PNG

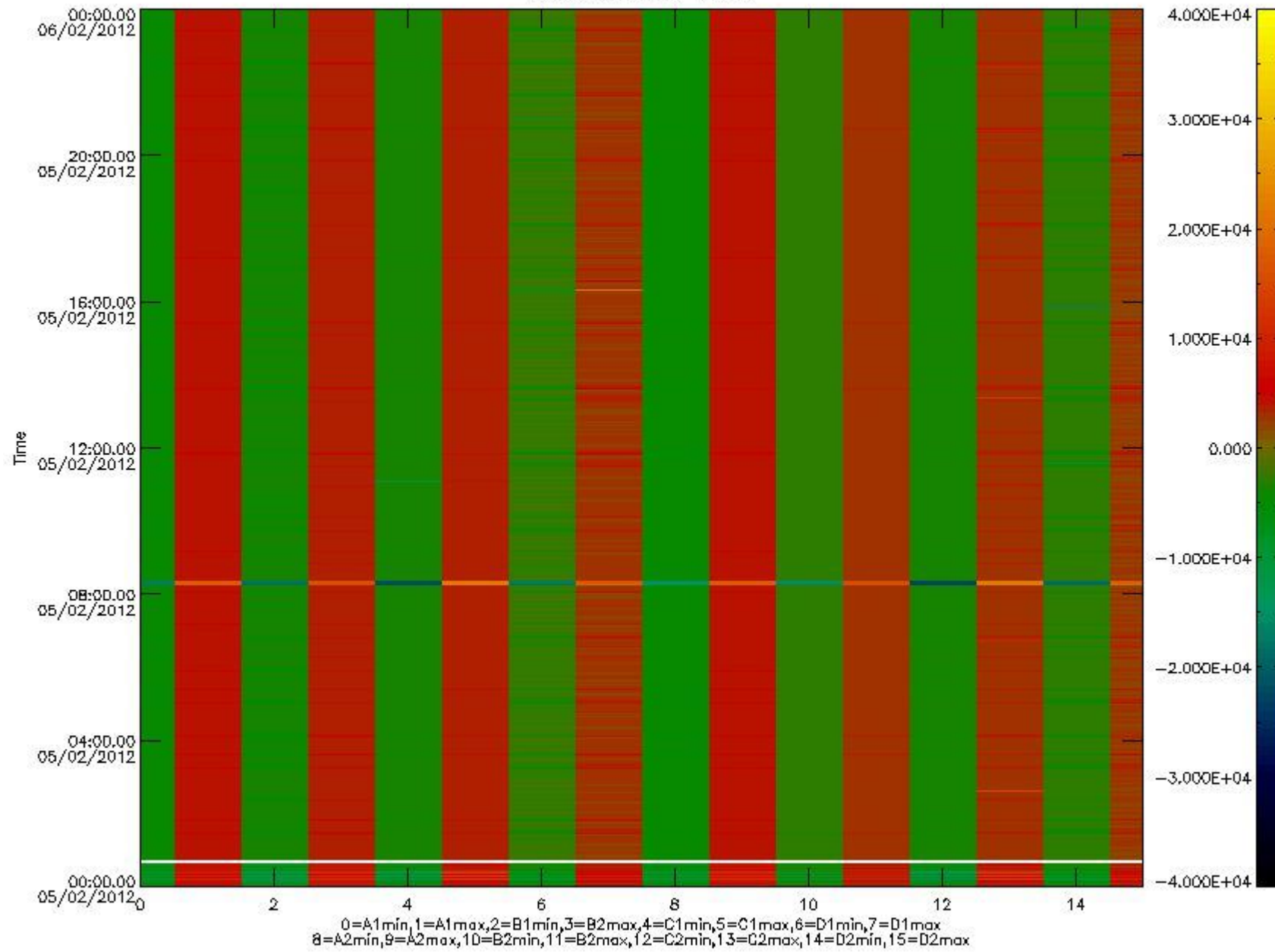


mipas_daily_report_level0_KSPT_L0_4504_N_20120205_10.PNG

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

Channel	Min	Max	ADC
A1	-17221	18130	16bit
B1	-18892	16415	16bit
C1	-22288	22117	16bit
D1	-19106	32767	16bit
A2	-15021	18341	16bit
B2	-16610	16416	16bit
C2	-23244	24807	16bit
D2	-32768	20963	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120205_11.PNG

0.3 ADF monitoring

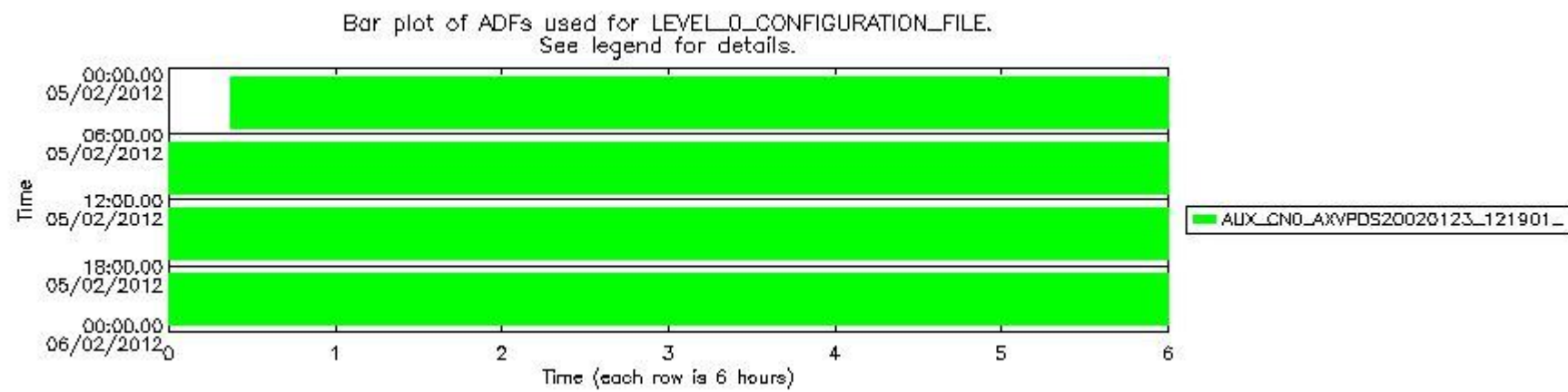
The use of ADFs is shown in two ways:

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.

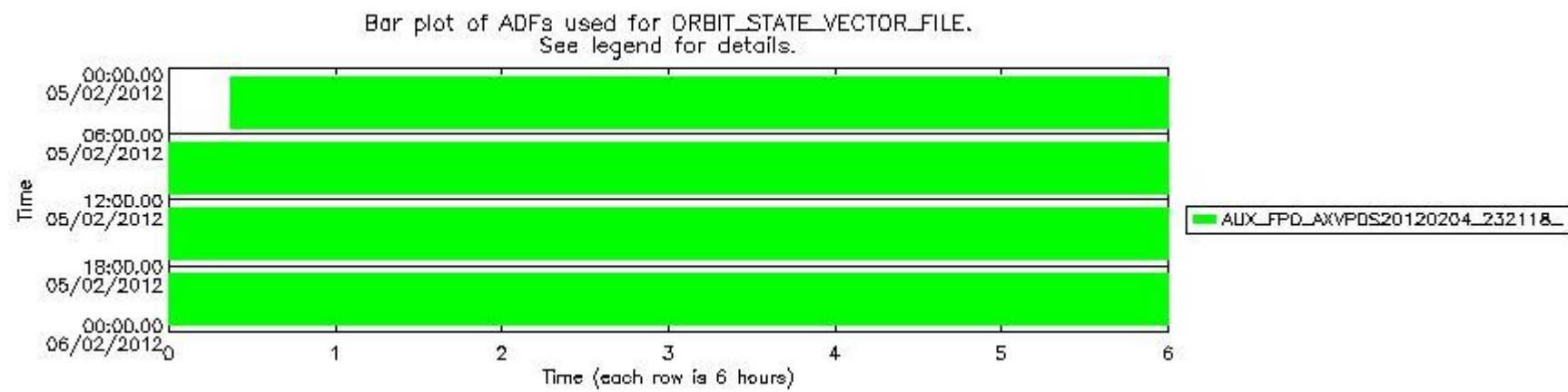
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120204_232118_20120204_193410_20120214_200735

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120205_002229_000058843111_00217_51955_0962.N1	0	1

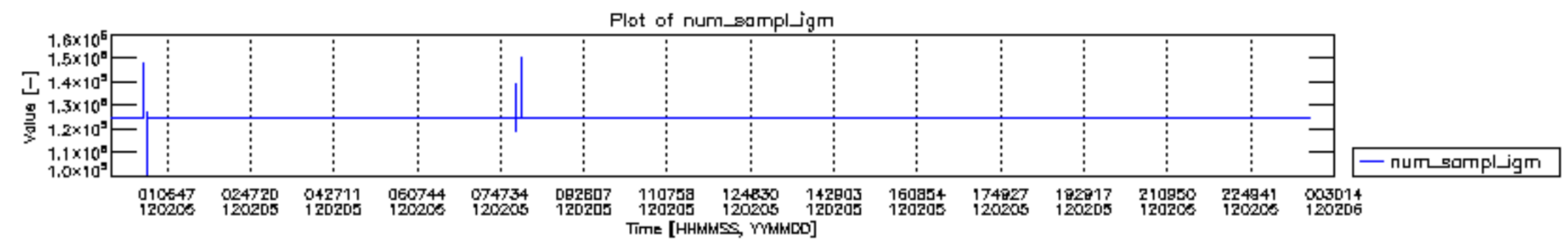
1	MIP_NL__0PNPDE20120205_015934_000045213111_00218_51956_0963.N1	0	1
2	MIP_NL__0PNPDE20120205_031421_000061483111_00219_51957_0964.N1	0	1
3	MIP_NL__0PNPDE20120205_045616_000060643111_00220_51958_0965.N1	0	1
4	MIP_NL__0PNPDK20120205_063647_000040723111_00221_51959_8450.N1	0	1
5	MIP_NL__0PNPDK20120205_074340_000059713111_00222_51960_8451.N1	0	1
6	MIP_NL__0PNPDK20120205_092135_000060753111_00223_51961_8452.N1	0	1
7	MIP_NL__0PNPDK20120205_110133_000061523111_00224_51962_8453.N1	0	1
8	MIP_NL__0PNPDK20120205_124305_000058283111_00225_51963_8454.N1	0	1
9	MIP_NL__0PNPDK20120205_141831_000059873111_00226_51964_8455.N1	0	1
10	MIP_NL__0PNPDK20120205_155732_000059373111_00227_51965_8456.N1	0	1
11	MIP_NL__0PNPDK20120205_173528_000058413111_00228_51966_8457.N1	0	1
12	MIP_NL__0PNPDK20120205_191140_000060873111_00229_51967_8458.N1	0	1
13	MIP_NL__0PNPDE20120205_205052_000045793111_00230_51968_0969.N1	0	1
14	MIP_NL__0PNPDE20120205_220602_000060123111_00230_51968_0970.N1	0	1
15	MIP_NL__0PNPDE20120205_234507_000061103111_00231_51969_0971.N1	0	1

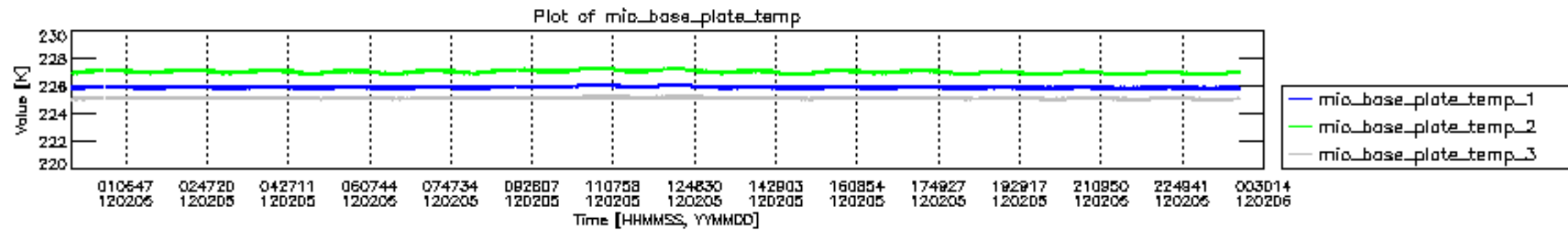


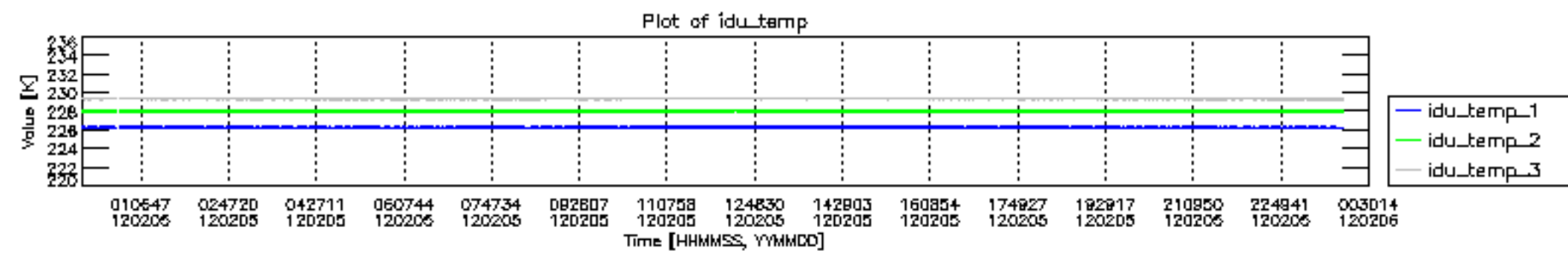
mipas_daily_report_level0_KSPT_L0_4504_N_20120205_12.PNG

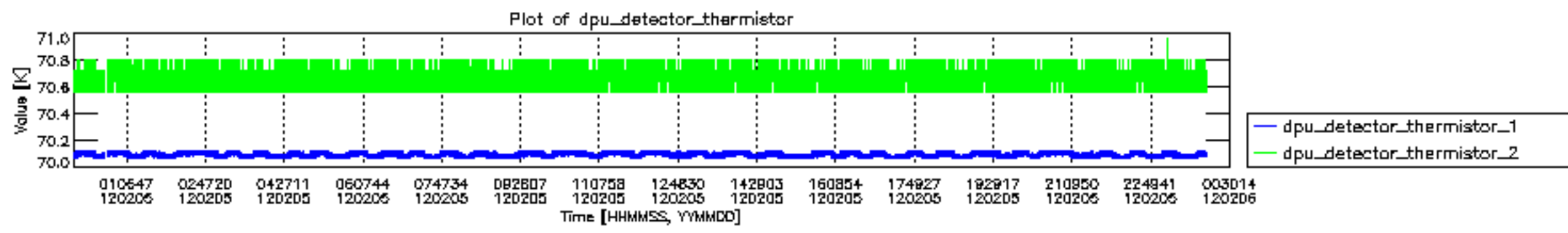


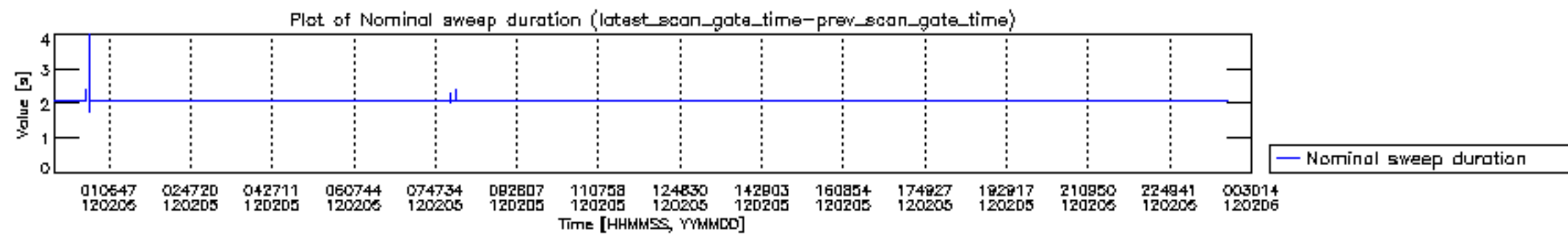
mipas_daily_report_level0_KSPT_L0_4504_N_20120205_13.PNG

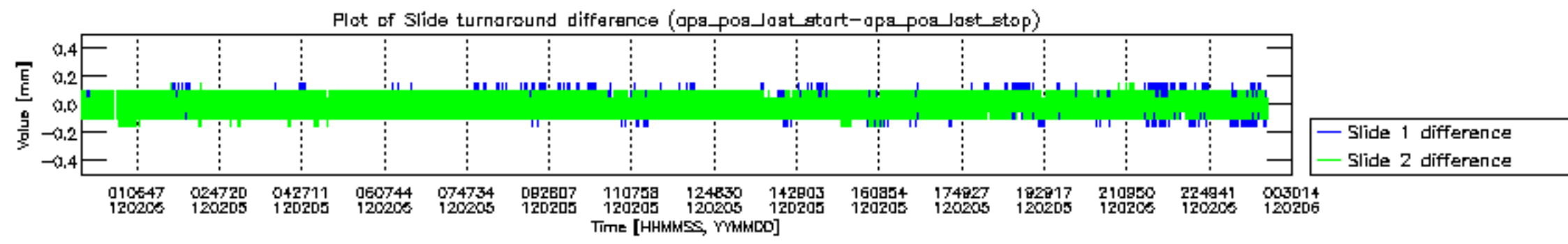


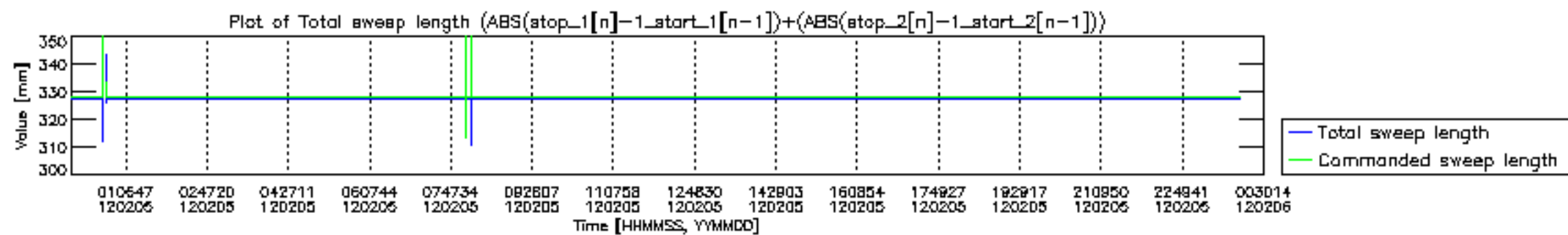


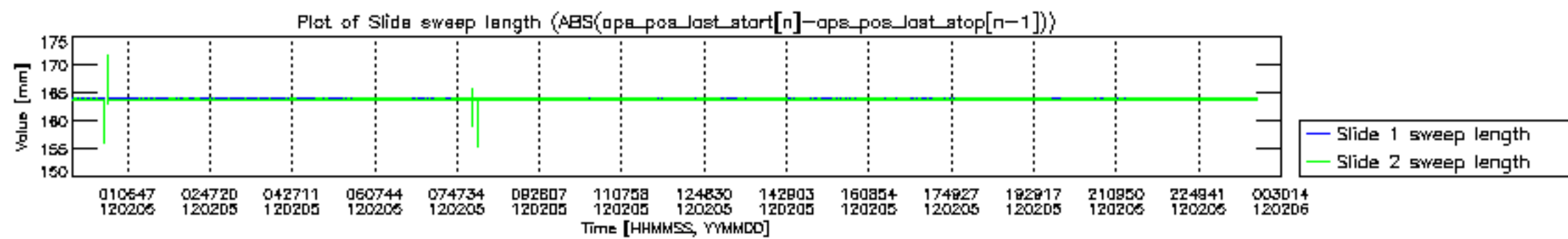


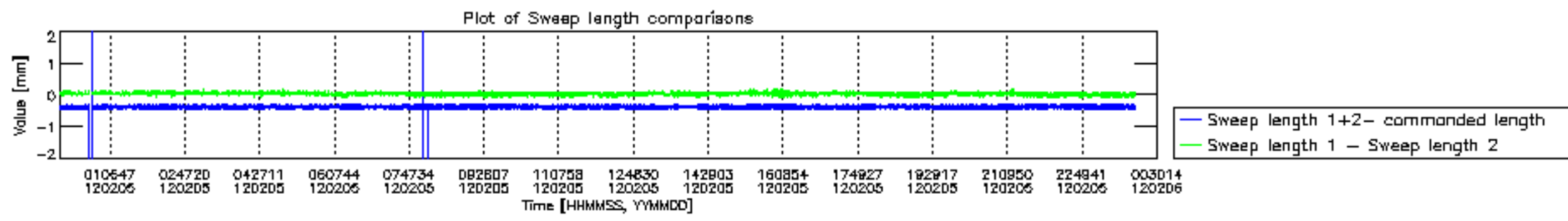


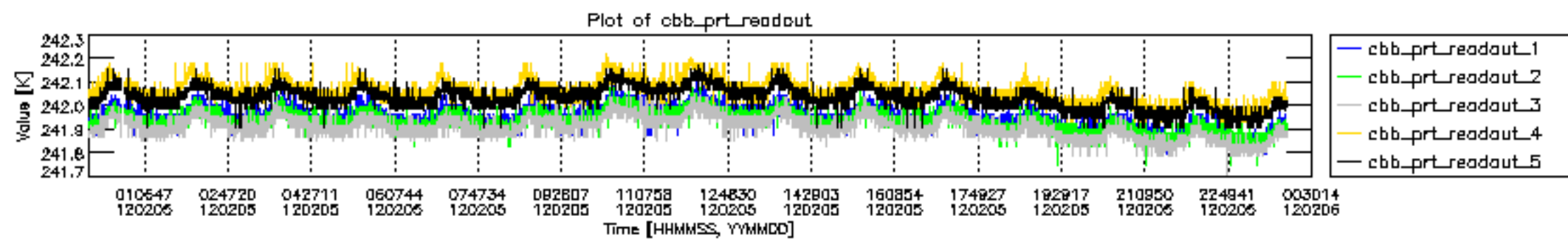


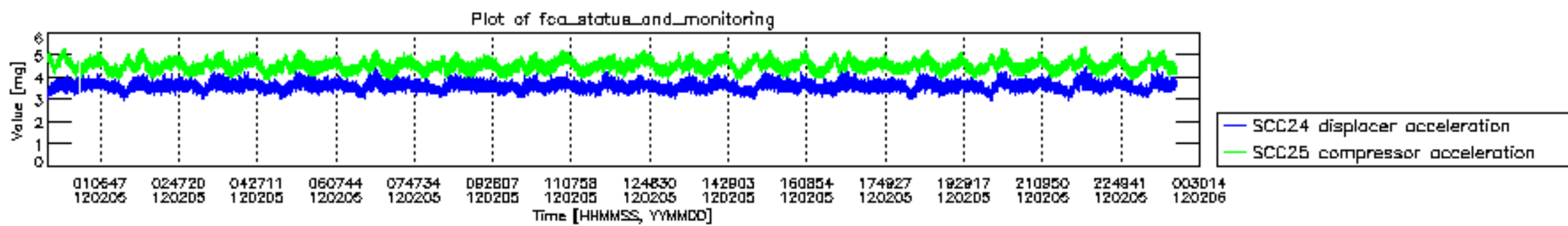












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

