

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	09JAN2012 05:24:30
Data source version	KSPT_L0/4504-N
Processing scope for products	04JAN2012 00:00:00 to 05JAN2012 00:00:00
Start time of first product within scope	04JAN2012 00:15:55
Stop time of last product within scope	05JAN2012 01:00:08
Total number of level 0 products	15
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__OPNPDE20120104_001555_000048423110_00189_51496_0560.N1	04JAN2012 00:15:55	04JAN2012 01:36:38	0	0	0	0	0
1	MIP_NL__OPNPDE20120104_013539_000043393110_00189_51496_5273.N1	04JAN2012 01:35:39	04JAN2012 02:47:58	0	0	0	0	0
2	MIP_NL__OPNPDE20120104_024725_000061613110_00190_51497_5274.N1	04JAN2012 02:47:25	04JAN2012 04:30:05	0	0	0	0	0
3	MIP_NL__OPNPDE20120104_042932_000060083110_00191_51498_5275.N1	04JAN2012 04:29:32	04JAN2012 06:09:40	0	0	0	0	0
4	MIP_NL__OPNPDK20120104_071757_000060283110_00193_51500_7979.N1	04JAN2012 07:17:57	04JAN2012 08:58:25	0	0	0	0	0
5	MIP_NL__OPNPDK20120104_085720_000060373110_00194_51501_7980.N1	04JAN2012 08:57:20	04JAN2012 10:37:57	0	0	0	0	0
6	MIP_NL__OPNPDK20120104_103617_000060413110_00195_51502_7981.N1	04JAN2012 10:36:17	04JAN2012 12:16:58	0	0	0	0	0
7	MIP_NL__OPNPDK20120104_121545_000059623110_00196_51503_7982.N1	04JAN2012 12:15:45	04JAN2012 13:55:07	0	0	0	0	0
8	MIP_NL__OPNPDK20120104_135408_000059603110_00197_51504_7983.N1	04JAN2012 13:54:08	04JAN2012 15:33:28	0	0	0	0	0
9	MIP_NL__OPNPDK20120104_153255_000058853110_00198_51505_7984.N1	04JAN2012 15:32:55	04JAN2012 17:11:00	0	0	0	0	0
10	MIP_NL__OPNPDK20120104_170957_000059513110_00199_51506_7985.N1	04JAN2012 17:09:57	04JAN2012 18:49:08	0	0	0	0	0
11	MIP_NL__OPNPDK20120104_184713_000060563110_00200_51507_7986.N1	04JAN2012 18:47:13	04JAN2012 20:28:09	0	0	0	0	0
12	MIP_NL__OPNPDE20120104_202556_000043993110_00201_51508_5276.N1	04JAN2012 20:25:56	04JAN2012 21:39:15	0	0	0	0	0
13	MIP_NL__OPNPDE20120104_213817_000060983110_00201_51508_5277.N1	04JAN2012 21:38:17	04JAN2012 23:19:54	0	0	0	0	0
14	MIP_NL__OPNPDE20120104_231852_000060773110_00202_51509_5278.N1	04JAN2012 23:18:52	05JAN2012 01:00:08	0	0	0	0	0

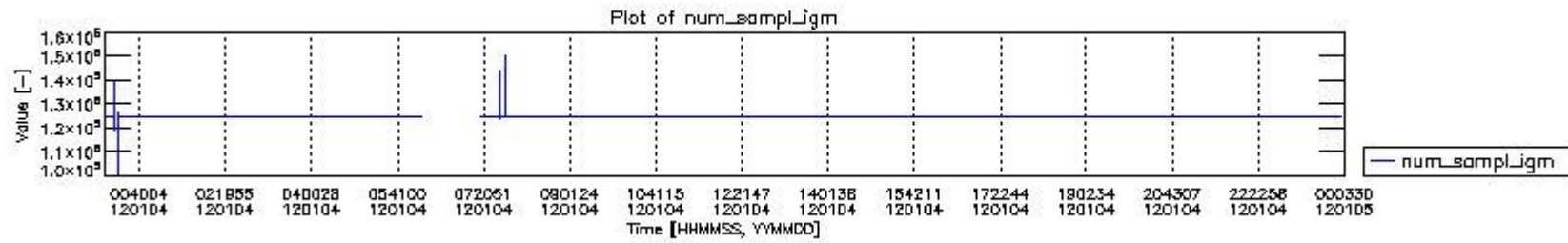
0.2 Instrument Operational Performance Parameters

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.

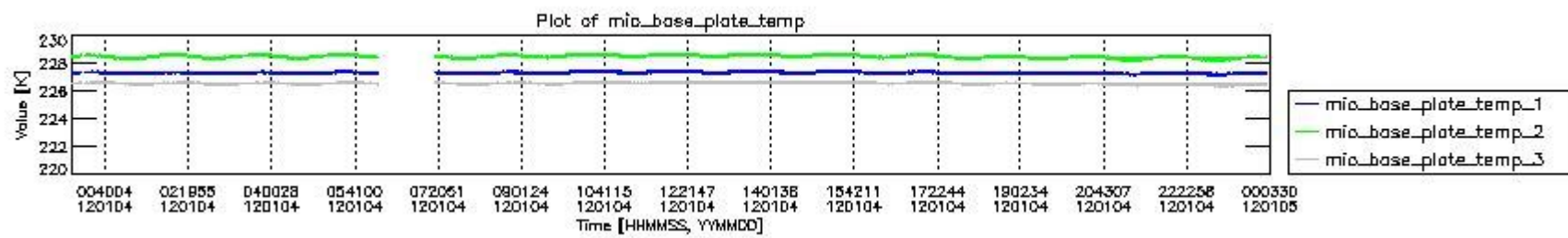
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100483	1	0.0025371695
118907	1	0.0025371695
124260	1	0.0025371695

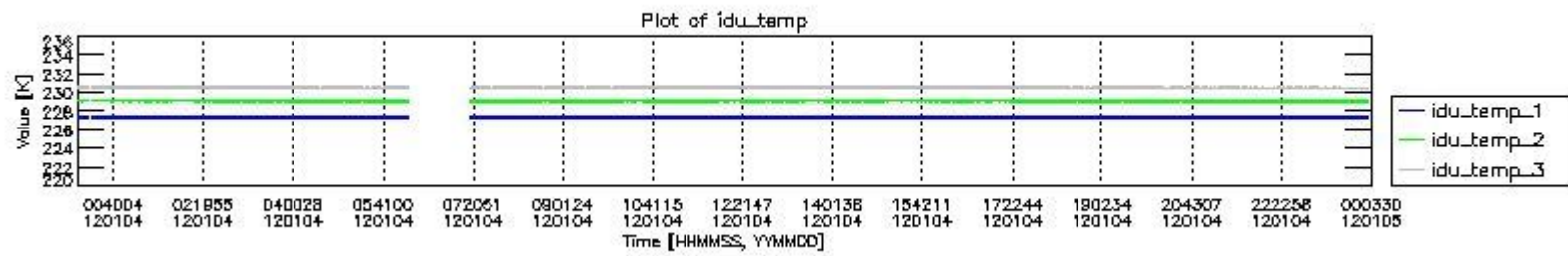
124800	36413	92.385954
124803	2989	7.5835997
125735	1	0.0025371695
126670	1	0.0025371695
127531	1	0.0025371695
133146	1	0.0025371695
139039	1	0.0025371695
143852	1	0.0025371695
144392	1	0.0025371695
147663	1	0.0025371695
150394	1	0.0025371695



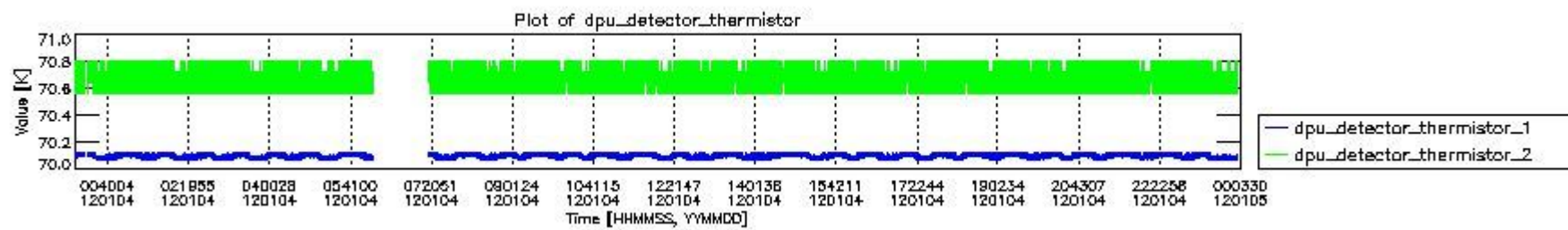
mipas_daily_report_level0_KSPT_L0_4504_N_20120104_0.PNG



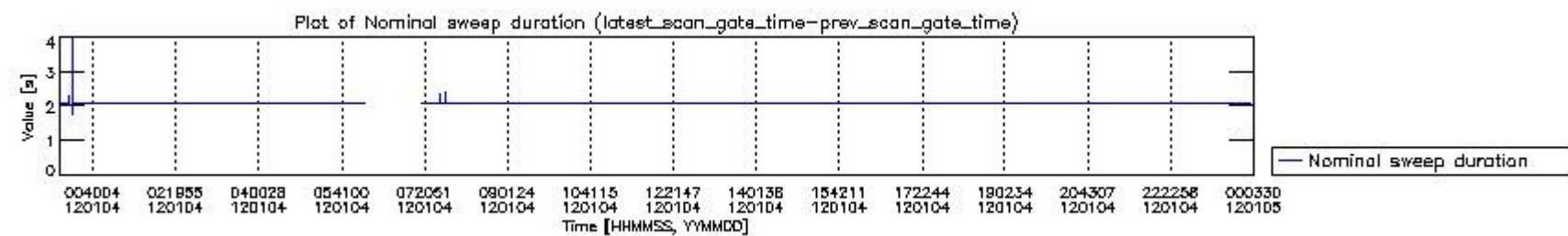
mipas_daily_report_level0_KSPT_L0_4504_N_20120104_1.PNG



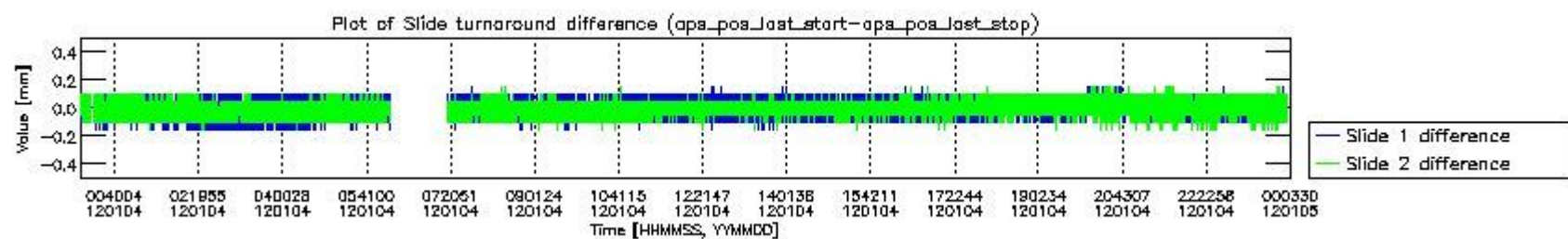
mipas_daily_report_level0_KSPT_L0_4504_N_20120104_2.PNG



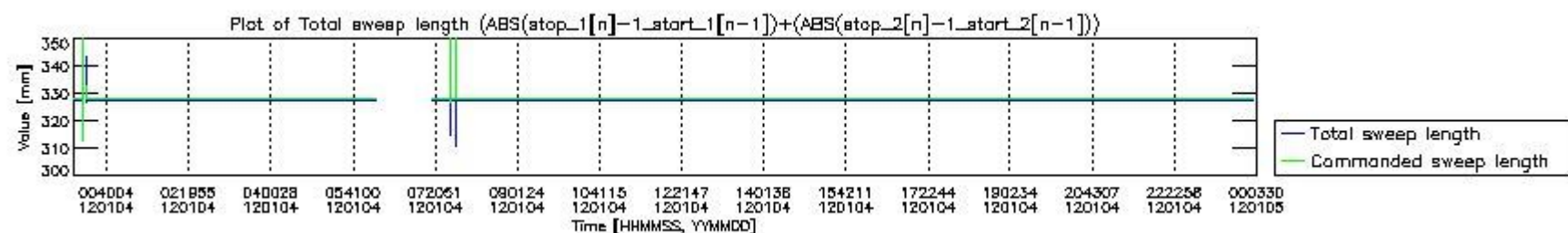
mipas_daily_report_level0_KSPT_L0_4504_N_20120104_3.PNG



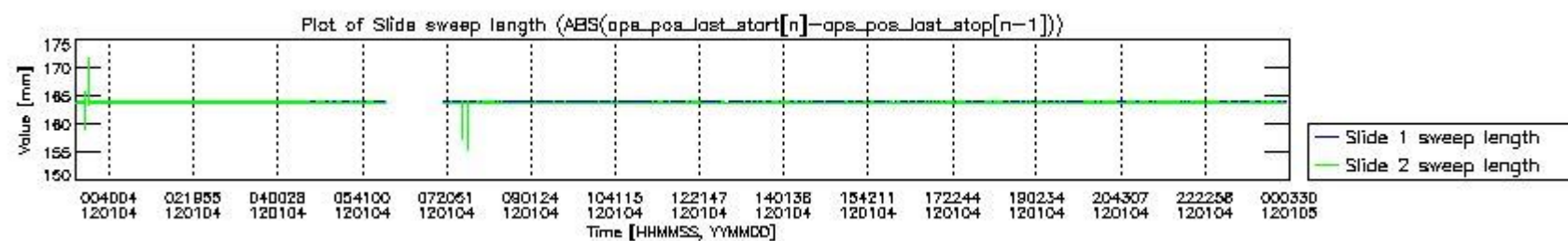
mipas_daily_report_level0_KSPT_L0_4504_N_20120104_4.PNG



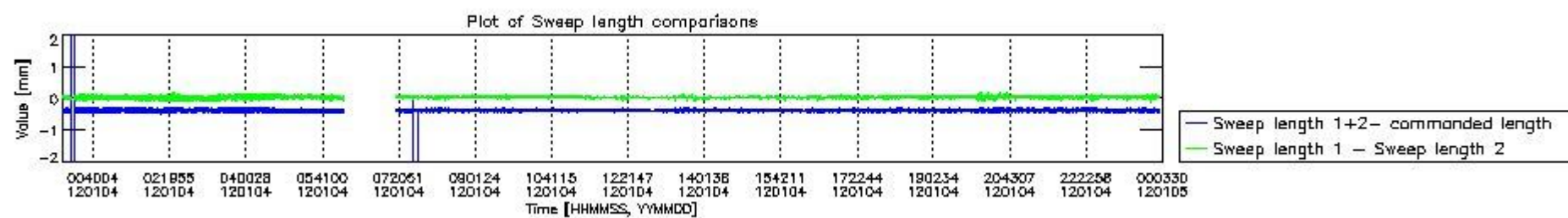
mipas_daily_report_level0_KSPT_L0_4504_N_20120104_5.PNG



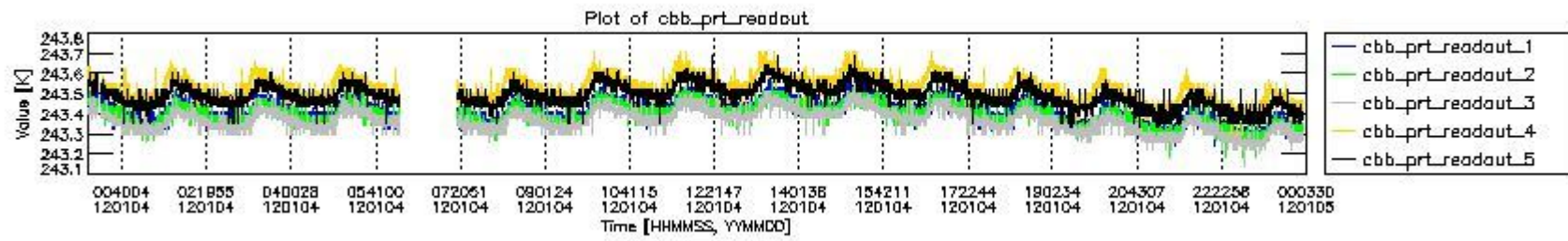
mipas_daily_report_level0_KSPT_L0_4504_N_20120104_6.PNG



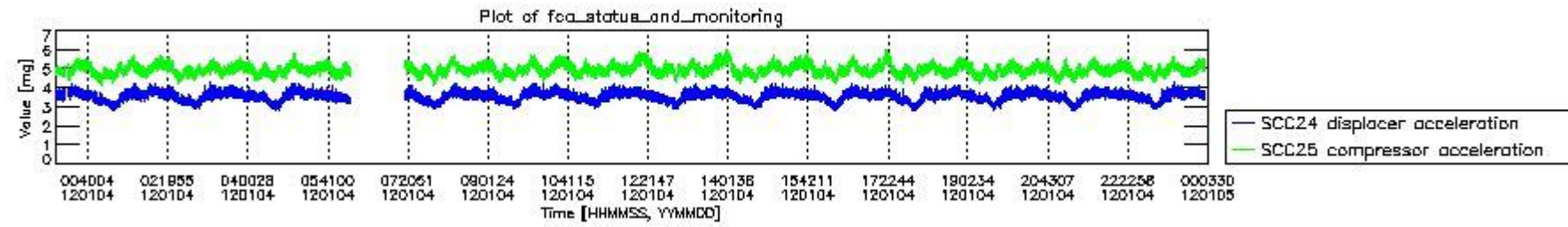
mipas_daily_report_level0_KSPT_L0_4504_N_20120104_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120104_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120104_9.PNG

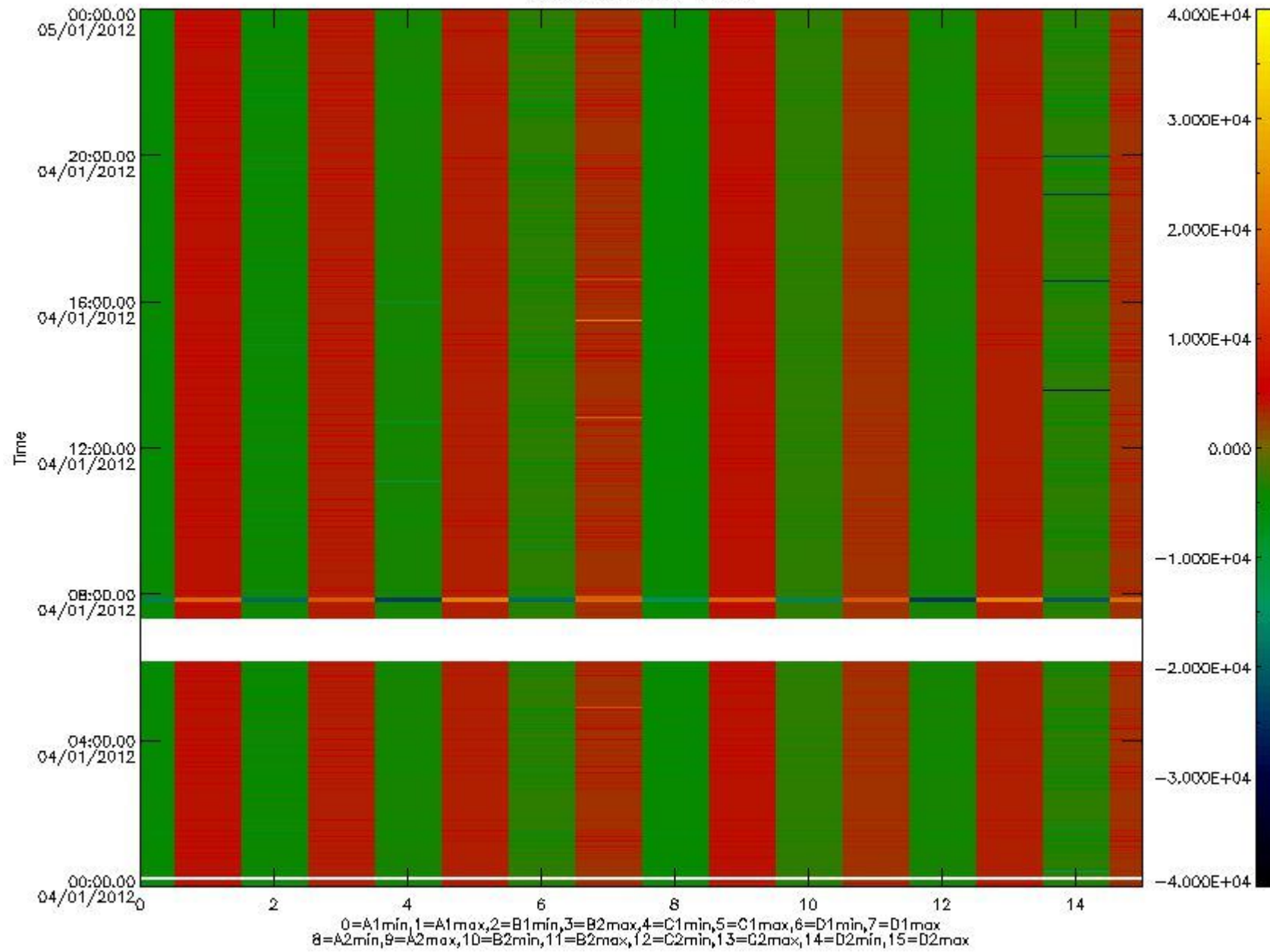


mipas_daily_report_level0_KSPT_L0_4504_N_20120104_10.PNG

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

Channel	Min	Max	ADC
A1	-17767	18767	16bit
B1	-19800	17102	16bit
C1	-24933	23552	16bit
D1	-19590	32599	16bit
A2	-15459	18985	16bit
B2	-17612	17322	16bit
C2	-24645	24527	16bit
D2	-32768	24527	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120104_11.PNG

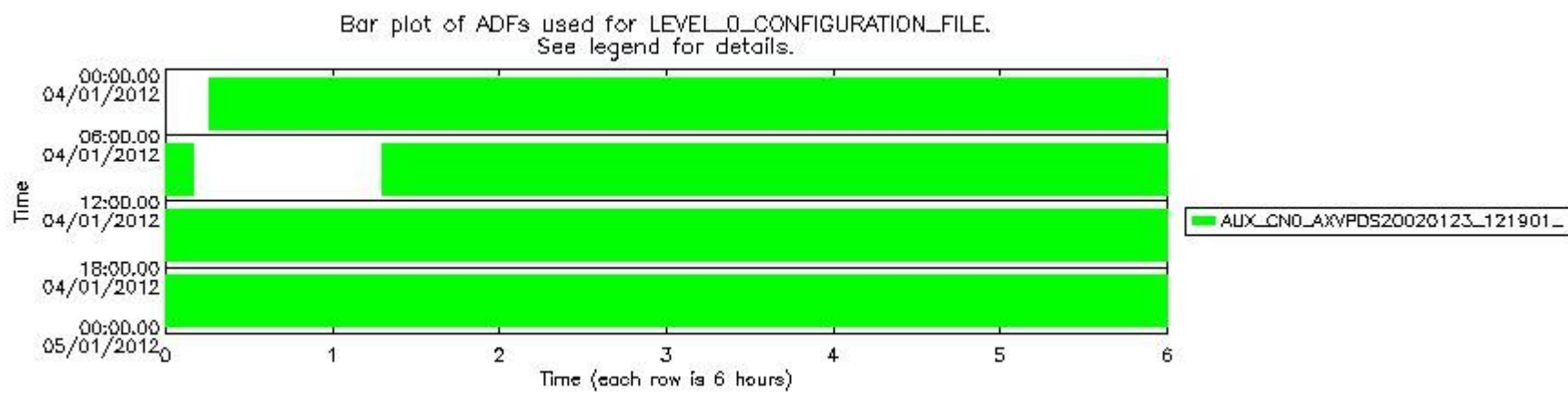
0.3 ADF monitoring

The use of ADFs is shown in two ways:

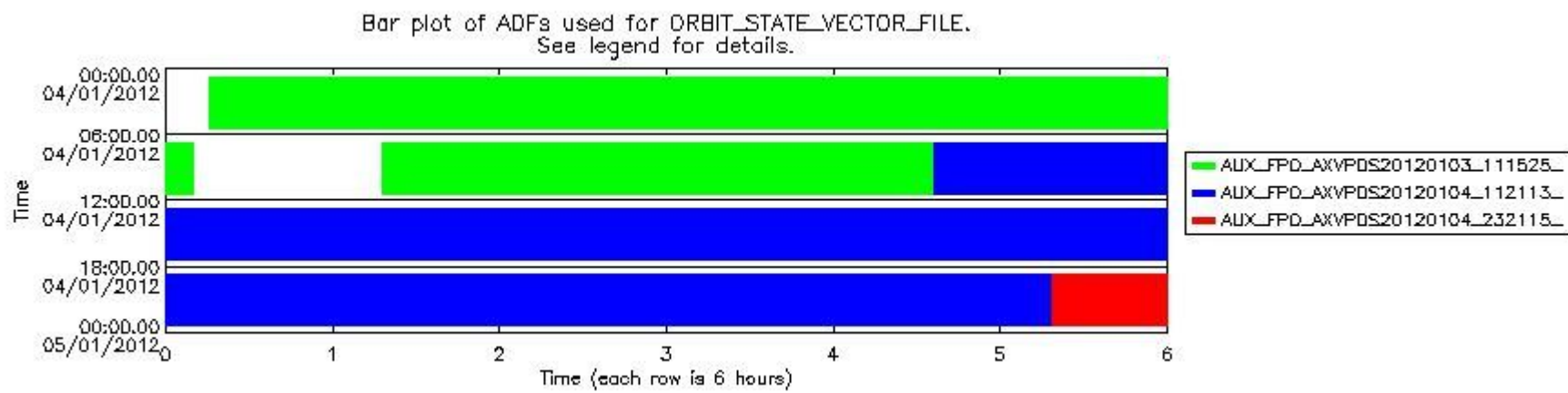
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120103_111525_20120102_194407_20120112_201733
2	AUX_FPO_AXVPDS20120104_112113_20120103_190722_20120113_212102
3	AUX_FPO_AXVPDS20120104_232115_20120104_183037_20120114_204417

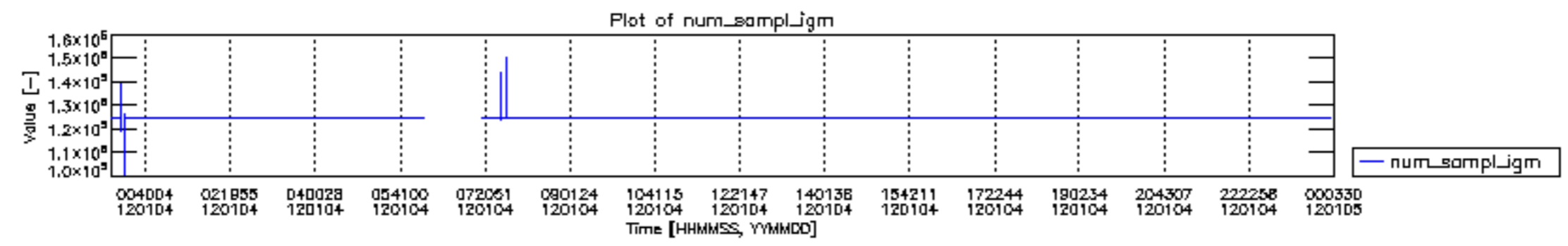
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120104_001555_000048423110_00189_51496_0560.N1	0	1
1	MIP_NL__0PNPDE20120104_013539_000043393110_00189_51496_5273.N1	0	1
2	MIP_NL__0PNPDE20120104_024725_000061613110_00190_51497_5274.N1	0	1
3	MIP_NL__0PNPDE20120104_042932_000060083110_00191_51498_5275.N1	0	1
4	MIP_NL__0PNPDK20120104_071757_000060283110_00193_51500_7979.N1	0	1
5	MIP_NL__0PNPDK20120104_085720_000060373110_00194_51501_7980.N1	0	1
6	MIP_NL__0PNPDK20120104_103617_000060413110_00195_51502_7981.N1	0	2
7	MIP_NL__0PNPDK20120104_121545_000059623110_00196_51503_7982.N1	0	2
8	MIP_NL__0PNPDK20120104_135408_000059603110_00197_51504_7983.N1	0	2
9	MIP_NL__0PNPDK20120104_153255_000058853110_00198_51505_7984.N1	0	2
10	MIP_NL__0PNPDK20120104_170957_000059513110_00199_51506_7985.N1	0	2
11	MIP_NL__0PNPDK20120104_184713_000060563110_00200_51507_7986.N1	0	2
12	MIP_NL__0PNPDE20120104_202556_000043993110_00201_51508_5276.N1	0	2
13	MIP_NL__0PNPDE20120104_213817_000060983110_00201_51508_5277.N1	0	2
14	MIP_NL__0PNPDE20120104_231852_000060773110_00202_51509_5278.N1	0	3

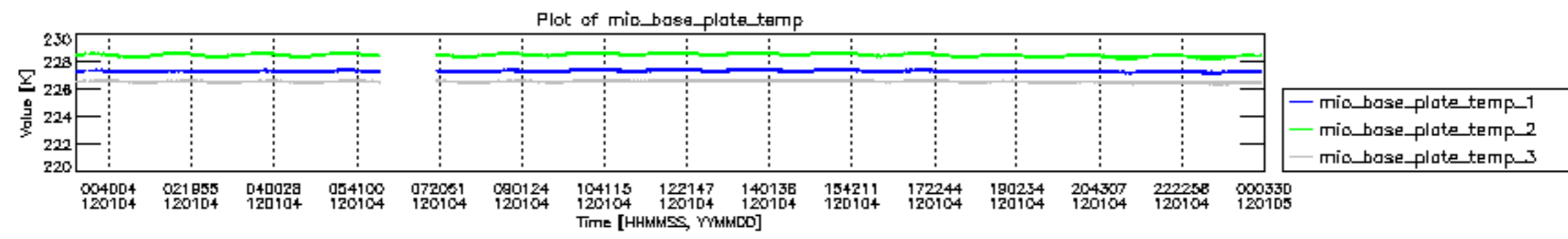


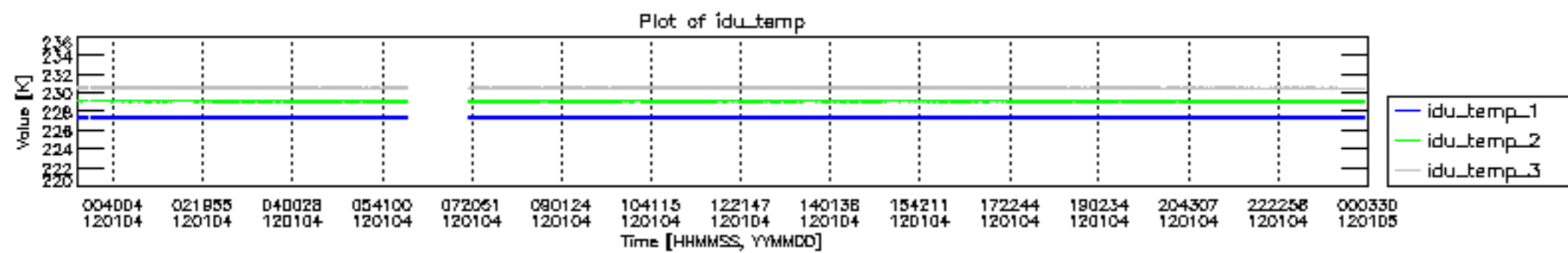
mipas_daily_report_level0_KSPT_L0_4504_N_20120104_12.PNG

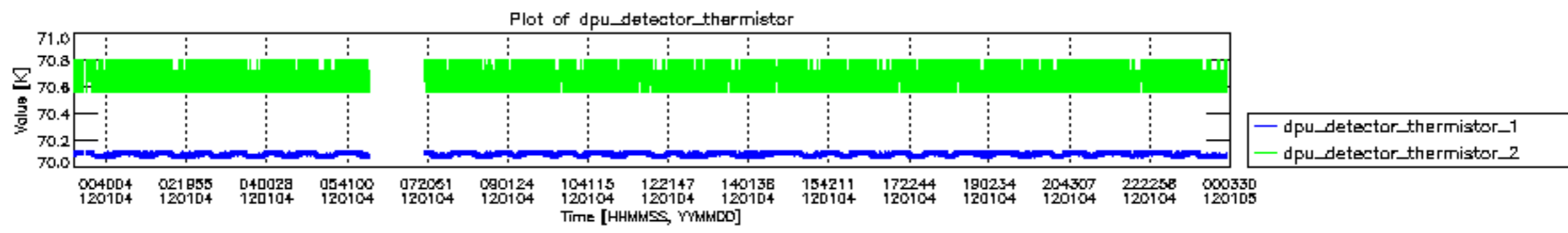


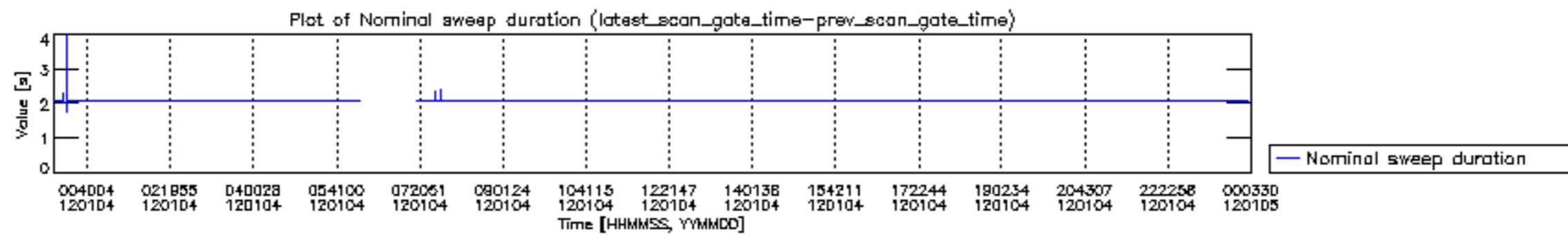
mipas_daily_report_level0_KSPT_L0_4504_N_20120104_13.PNG

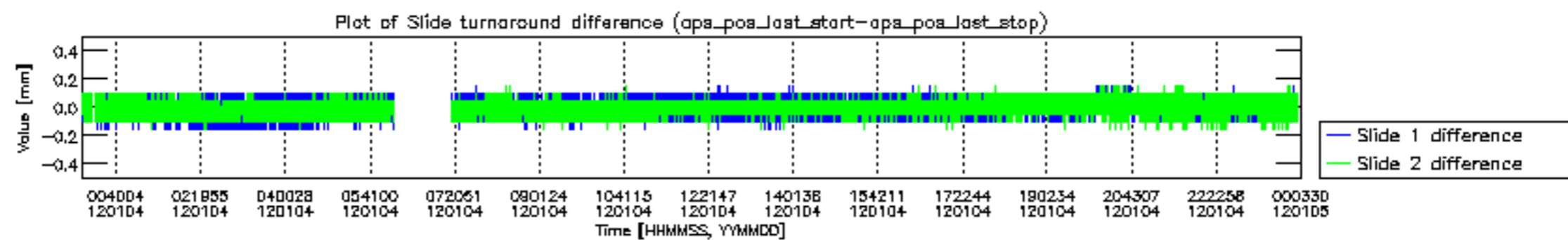


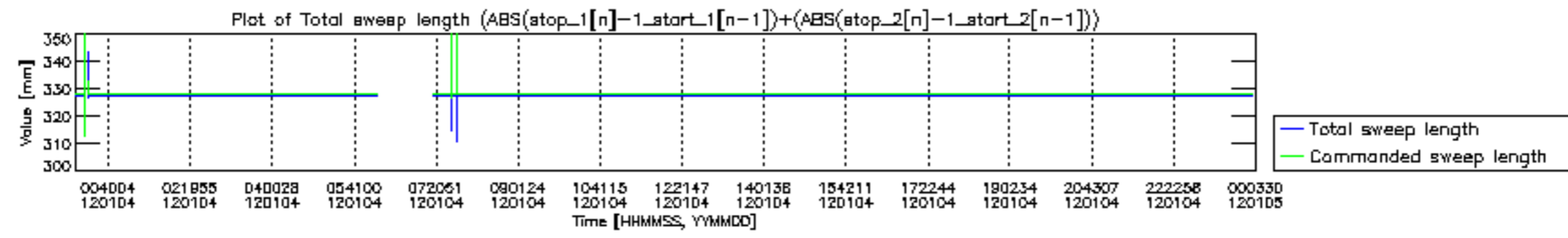


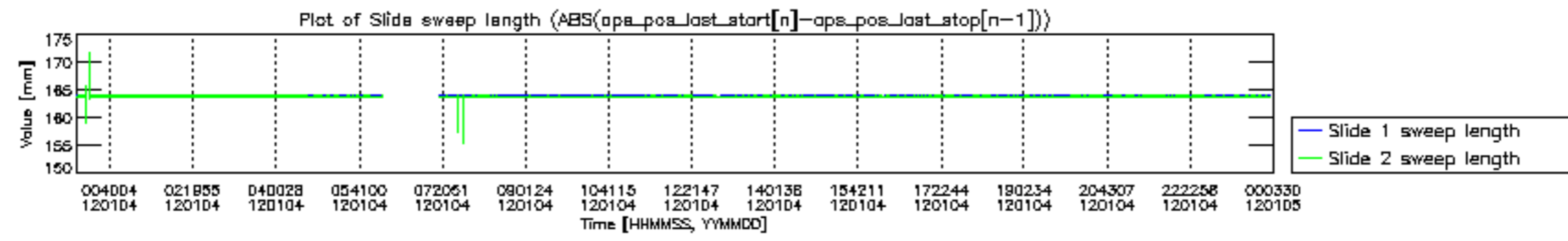


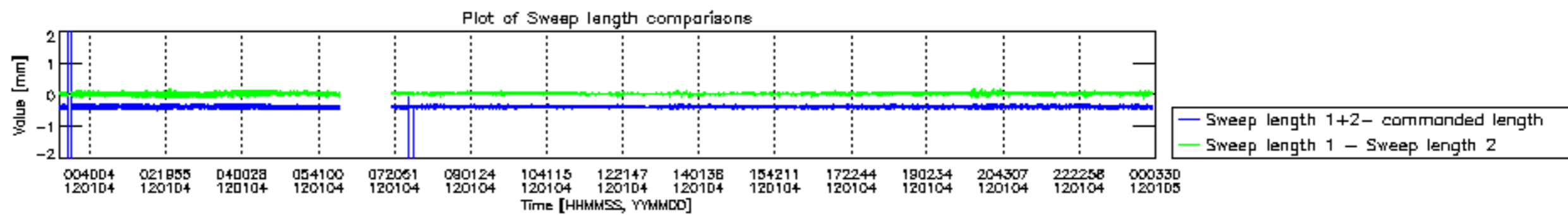


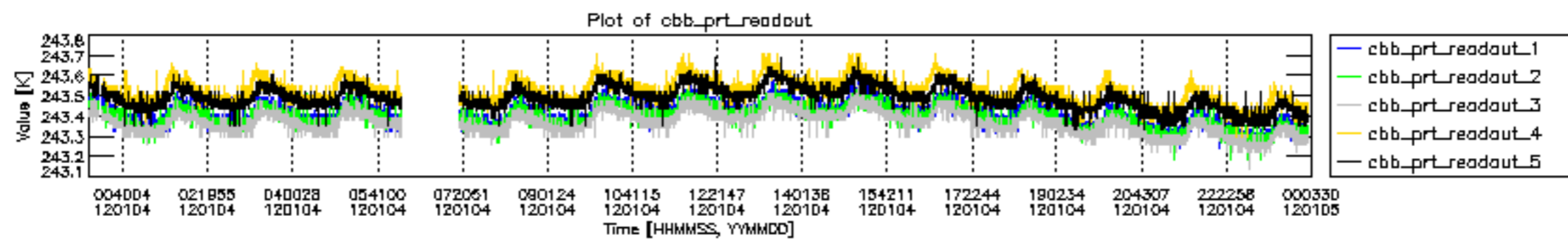


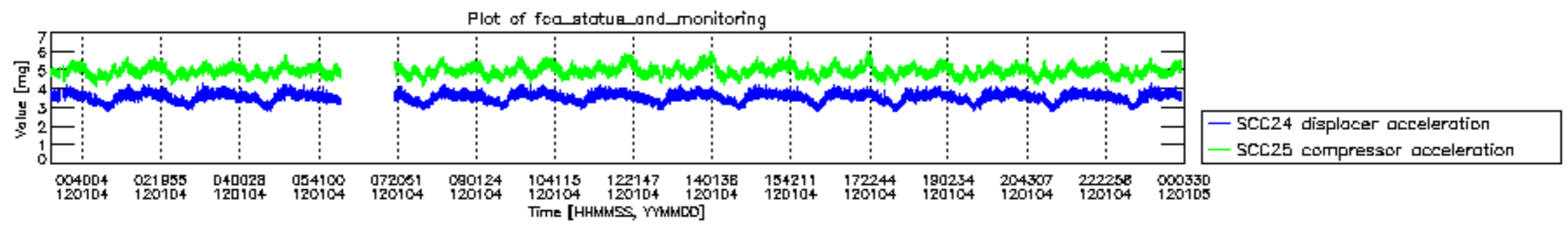












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

