

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	18MAR2012 05:22:53
Data source version	KSPT_L0/4504-N
Processing scope for products	13MAR2012 00:00:00 to 14MAR2012 00:00:00
Start time of first product within scope	13MAR2012 01:06:46
Stop time of last product within scope	14MAR2012 00:30:16
Total number of level 0 products	13
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__OPNPDE20120313_010646_000102263112_00318_52487_1212.N1	13MAR2012 01:06:46	13MAR2012 03:57:12	0	0	0	0	0
1	MIP_NL__OPNPDE20120313_035639_000062303112_00320_52489_1213.N1	13MAR2012 03:56:39	13MAR2012 05:40:28	0	0	0	0	0
2	MIP_NL__OPNPDE20120313_053957_000060603112_00321_52490_1214.N1	13MAR2012 05:39:57	13MAR2012 07:20:57	0	0	0	0	0
3	MIP_NL__OPNPDK20120313_072024_000040193112_00322_52491_8864.N1	13MAR2012 07:20:24	13MAR2012 08:27:23	0	0	0	0	0
4	MIP_NL__OPNPDK20120313_082644_000061353112_00323_52492_8865.N1	13MAR2012 08:26:44	13MAR2012 10:08:59	0	0	0	0	0
5	MIP_NL__OPNPDK20120313_100815_000059683112_00324_52493_8866.N1	13MAR2012 10:08:15	13MAR2012 11:47:44	0	0	0	0	0
6	MIP_NL__OPNPDK20120313_114633_000059313112_00325_52494_8867.N1	13MAR2012 11:46:33	13MAR2012 13:25:24	0	0	0	0	0
7	MIP_NL__OPNPDK20120313_132427_000059243112_00326_52495_8868.N1	13MAR2012 13:24:27	13MAR2012 15:03:12	0	0	0	0	0
8	MIP_NL__OPNPDK20120313_150135_000059913112_00327_52496_8869.N1	13MAR2012 15:01:35	13MAR2012 16:41:27	0	0	0	0	0
9	MIP_NL__OPNPDK20120313_164003_000059773112_00328_52497_8870.N1	13MAR2012 16:40:03	13MAR2012 18:19:40	0	0	0	0	0
10	MIP_NL__OPNPDK20120313_181839_000059203112_00329_52498_8871.N1	13MAR2012 18:18:39	13MAR2012 19:57:20	0	0	0	0	0
11	MIP_NL__OPNPDE20120313_210343_000064593112_00330_52499_1216.N1	13MAR2012 21:03:43	13MAR2012 22:51:23	0	0	0	0	0
12	MIP_NL__OPNPDE20120313_225026_000059893112_00331_52500_1217.N1	13MAR2012 22:50:26	14MAR2012 00:30:16	0	0	0	0	0

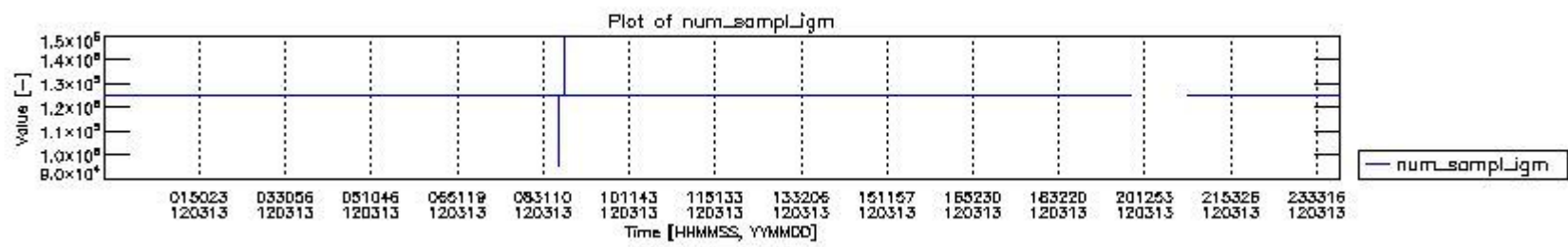
0.2 Instrument Operational Performance Parameters

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.

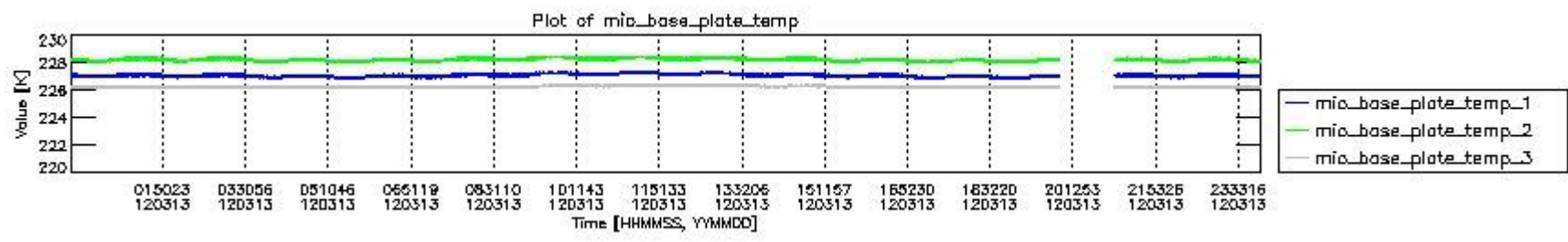
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
95530	1	0.0025190820
100099	1	0.0025190820
120231	1	0.0025190820
124800	36874	92.888631
124803	2817	7.0962541

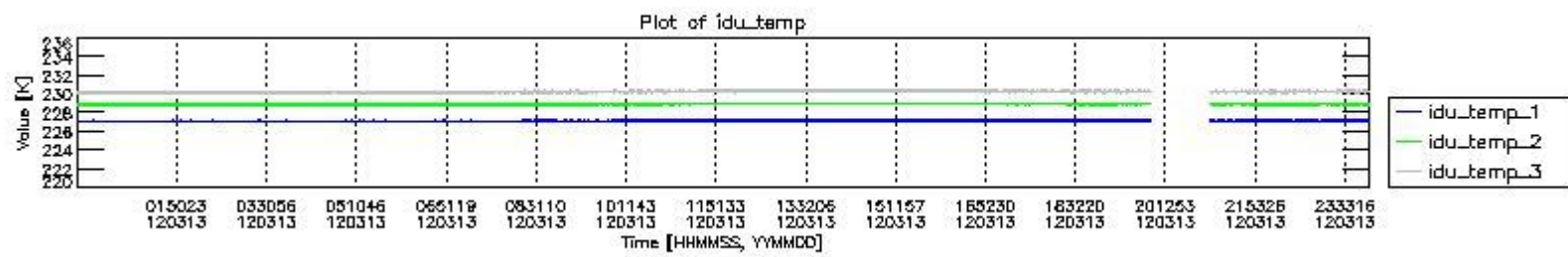
127308	1	0.0025190820
147440	1	0.0025190820
149948	1	0.0025190820



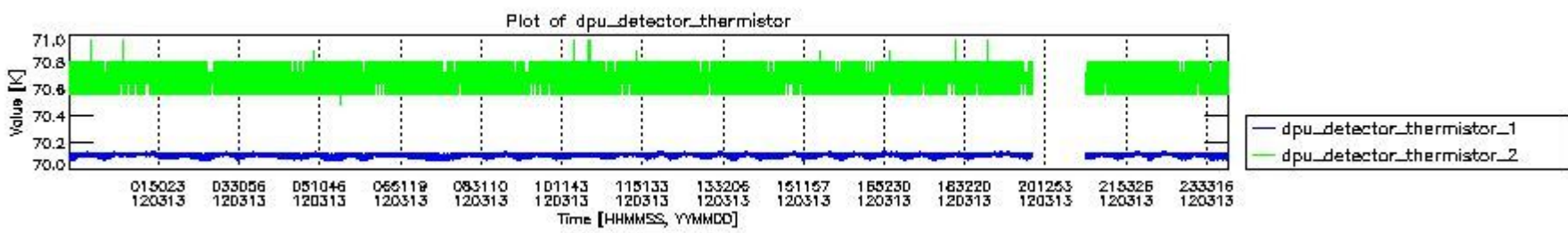
mipas_daily_report_level0_KSPT_L0_4504_N_20120313_0.PNG



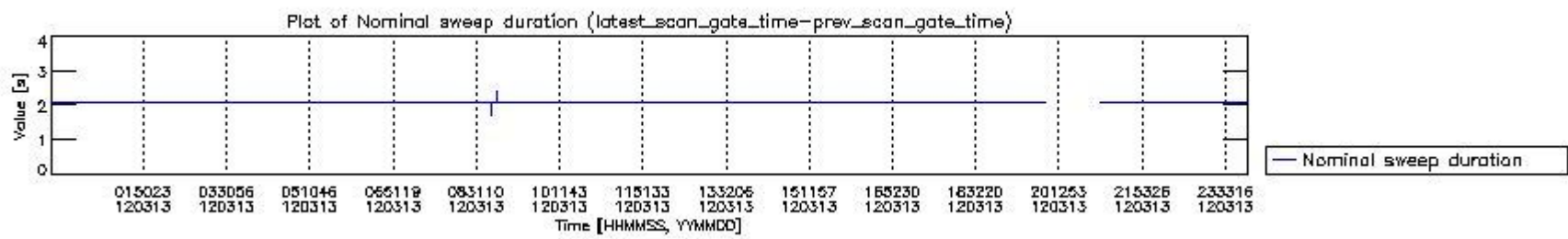
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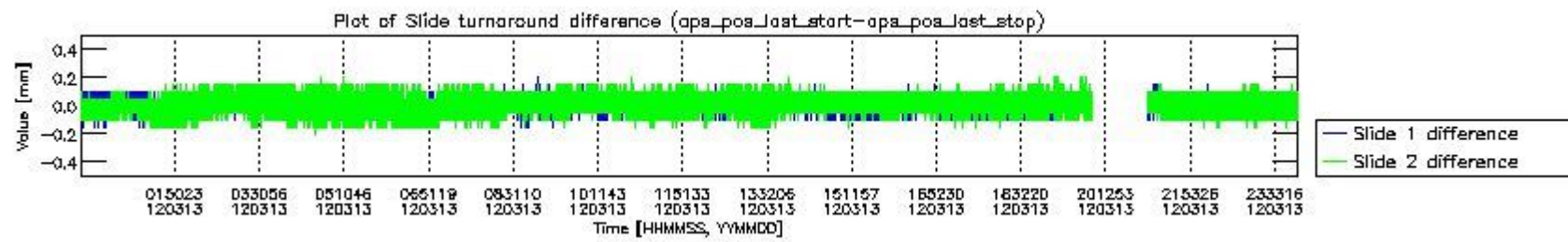
mipas_daily_report_level0_KSPT_L0_4504_N_20120313_2.PNG



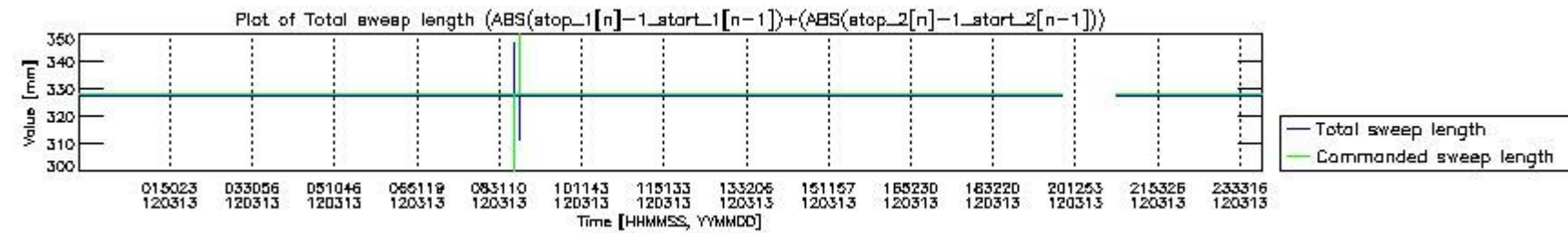
mipas_daily_report_level0_KSPT_L0_4504_N_20120313_3.PNG



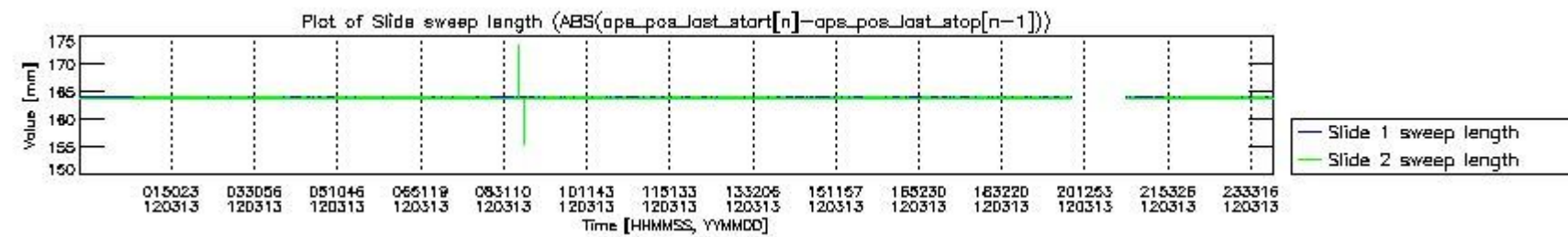
mipas_daily_report_level0_KSPT_L0_4504_N_20120313_4.PNG



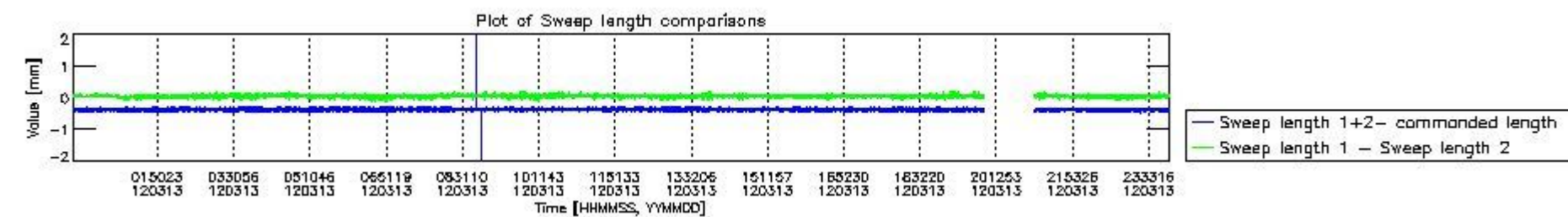
mipas_daily_report_level0_KSPT_L0_4504_N_20120313_5.PNG



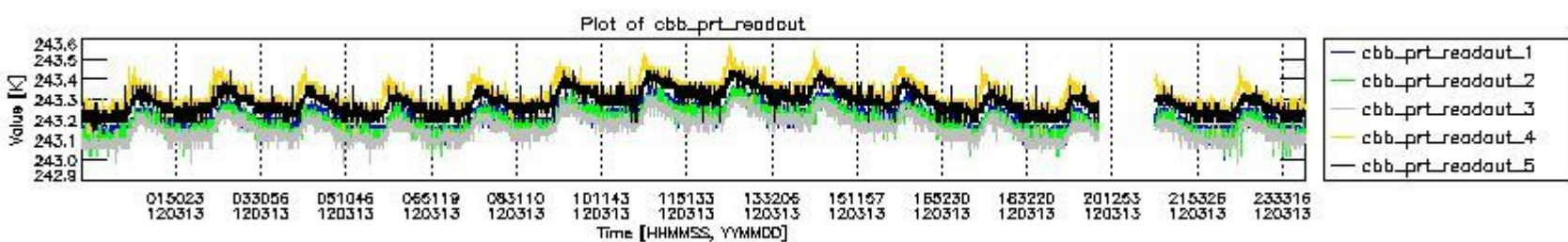
mipas_daily_report_level0_KSPT_L0_4504_N_20120313_6.PNG



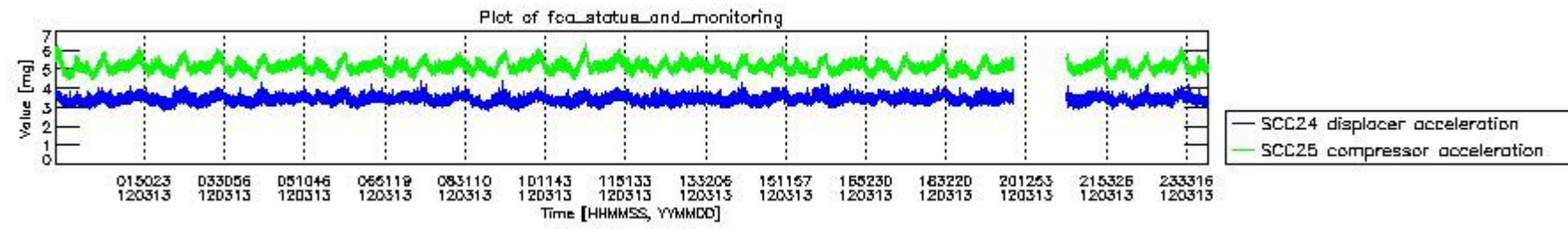
mipas_daily_report_level0_KSPT_L0_4504_N_20120313_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120313_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120313_9.PNG

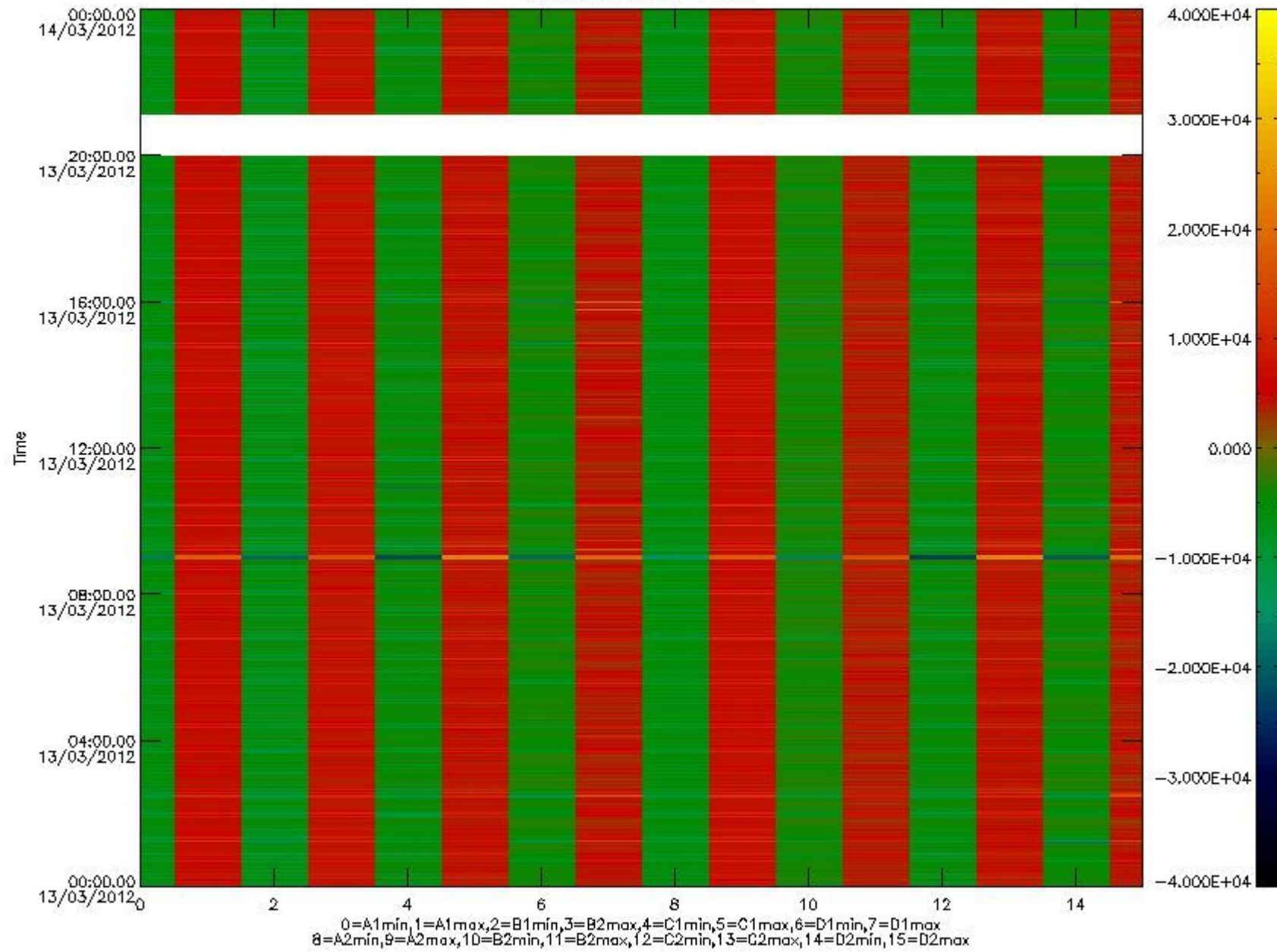


mipas_daily_report_level0_KSPT_L0_4504_N_20120313_10.PNG

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

Channel	Min	Max	ADC
A1	-17398	18306	16bit
B1	-19448	16866	16bit
C1	-23586	23152	16bit
D1	-32768	32767	16bit
A2	-15185	18565	16bit
B2	-17180	16956	16bit
C2	-24345	23852	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120313_11.PNG

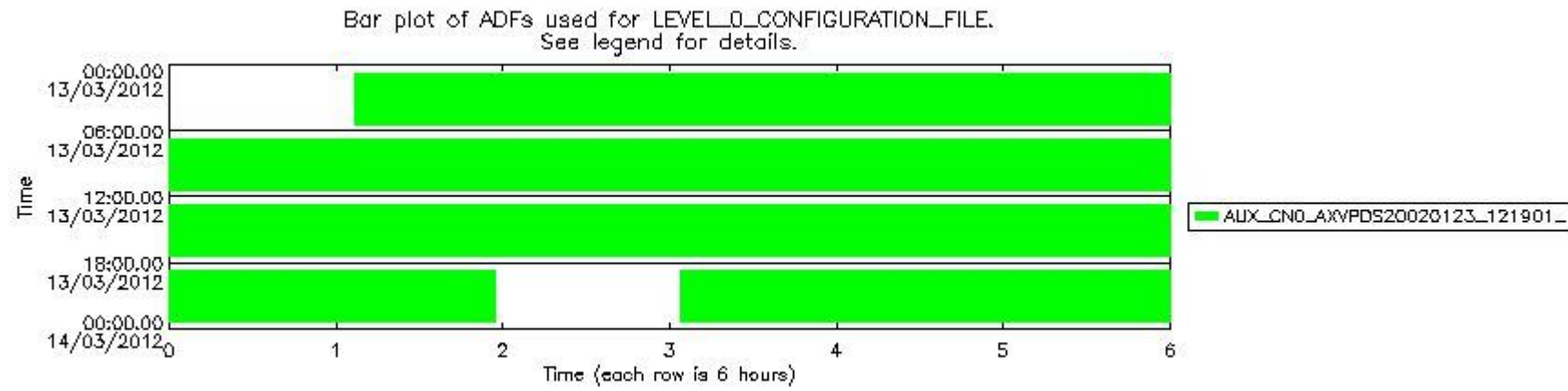
0.3 ADF monitoring

The use of ADFs is shown in two ways:

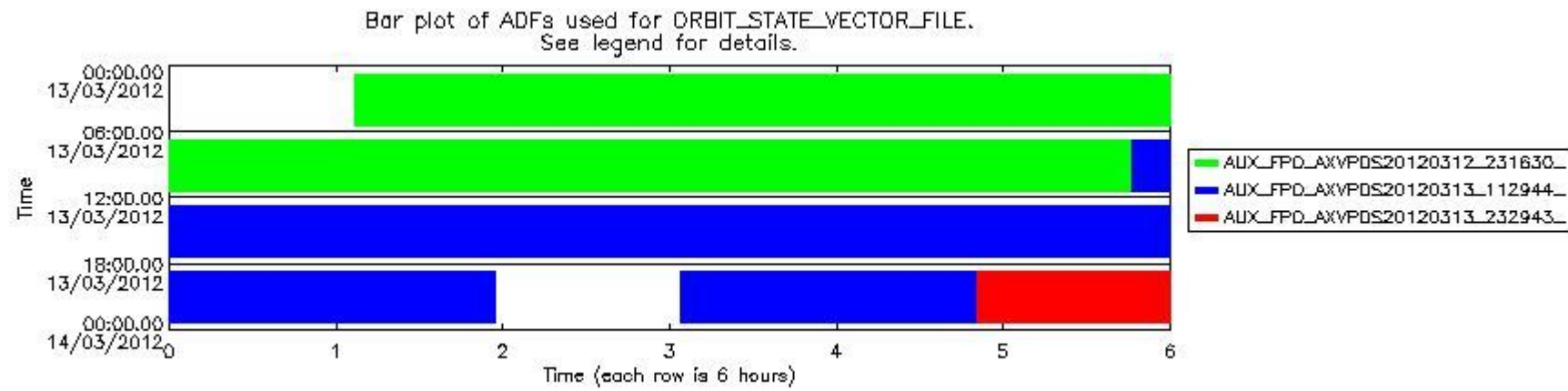
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120312_231630_20120311_191412_20120321_212753
2	AUX_FPO_AXVPDS20120313_112944_20120312_183727_20120322_205108
3	AUX_FPO_AXVPDS20120313_232943_20120313_194056_20120323_201423

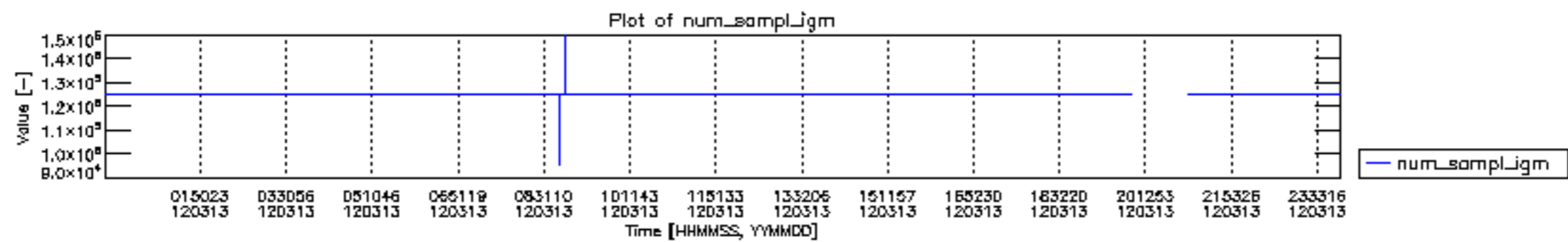
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120313_010646_000102263112_00318_52487_1212.N1	0	1
1	MIP_NL__0PNPDE20120313_035639_000062303112_00320_52489_1213.N1	0	1
2	MIP_NL__0PNPDE20120313_053957_000060603112_00321_52490_1214.N1	0	1
3	MIP_NL__0PNPDK20120313_072024_000040193112_00322_52491_8864.N1	0	1
4	MIP_NL__0PNPDK20120313_082644_000061353112_00323_52492_8865.N1	0	1
5	MIP_NL__0PNPDK20120313_100815_000059683112_00324_52493_8866.N1	0	1
6	MIP_NL__0PNPDK20120313_114633_000059313112_00325_52494_8867.N1	0	2
7	MIP_NL__0PNPDK20120313_132427_000059243112_00326_52495_8868.N1	0	2
8	MIP_NL__0PNPDK20120313_150135_000059913112_00327_52496_8869.N1	0	2
9	MIP_NL__0PNPDK20120313_164003_000059773112_00328_52497_8870.N1	0	2
10	MIP_NL__0PNPDK20120313_181839_000059203112_00329_52498_8871.N1	0	2
11	MIP_NL__0PNPDE20120313_210343_000064593112_00330_52499_1216.N1	0	2
12	MIP_NL__0PNPDE20120313_225026_000059893112_00331_52500_1217.N1	0	3

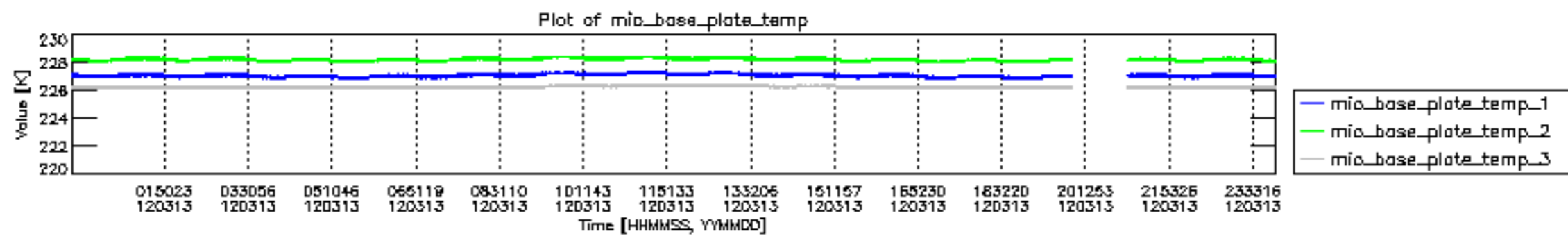


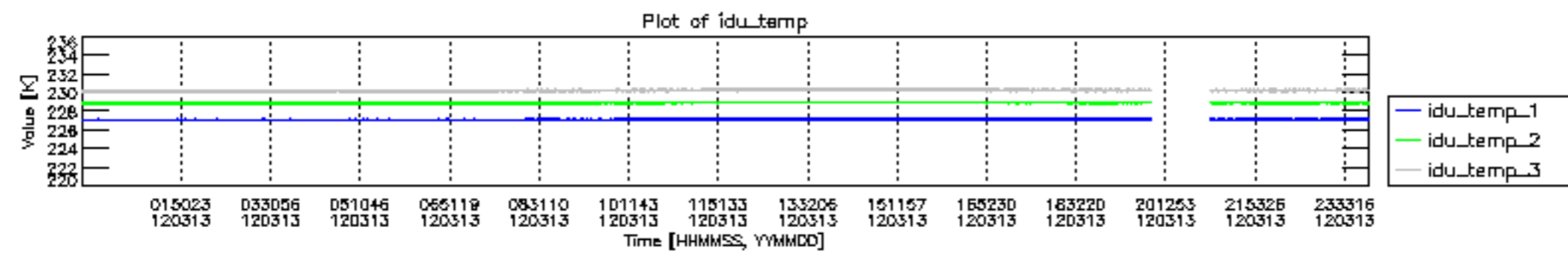
mipas_daily_report_level0_KSPT_L0_4504_N_20120313_12.PNG

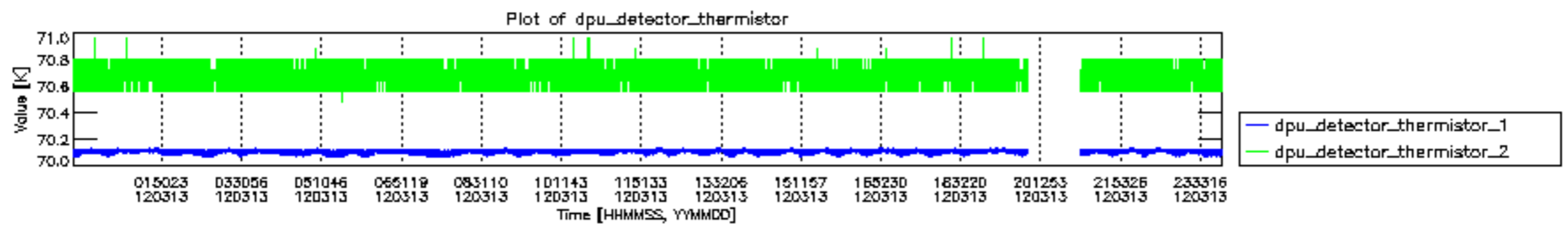


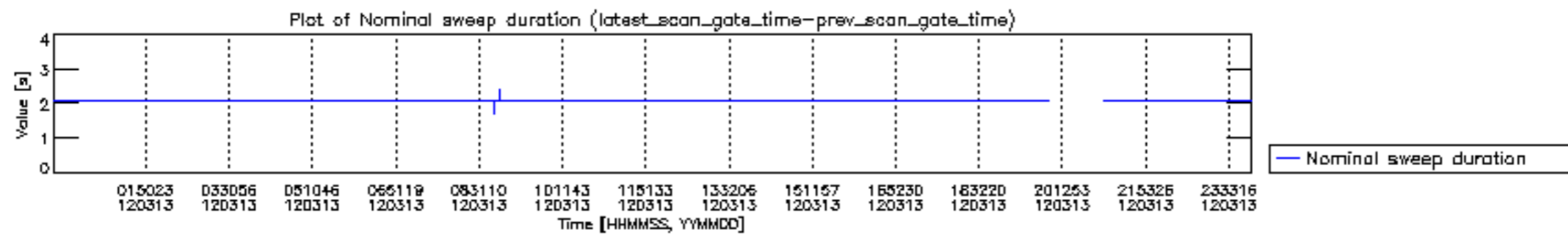
mipas_daily_report_level0_KSPT_L0_4504_N_20120313_13.PNG

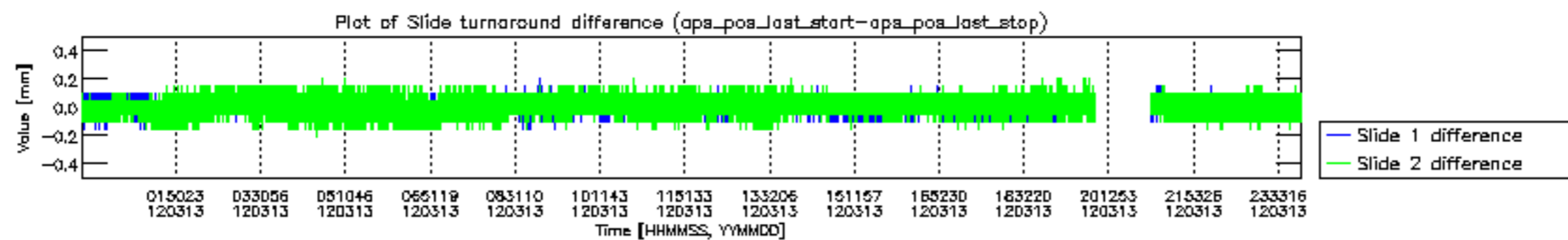


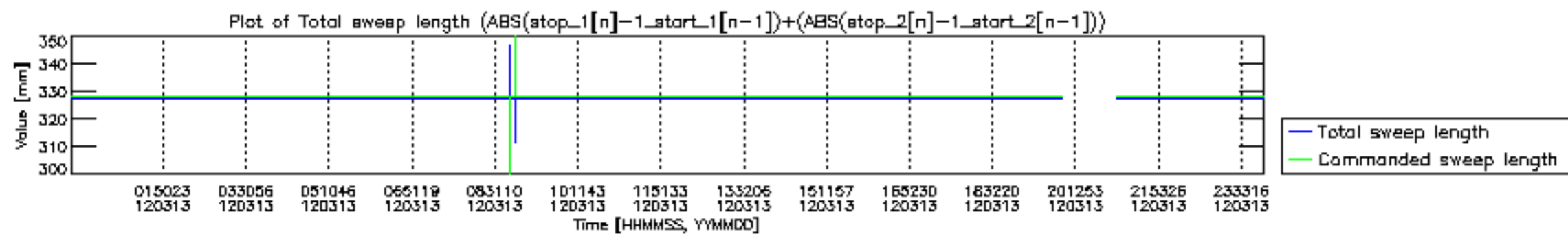


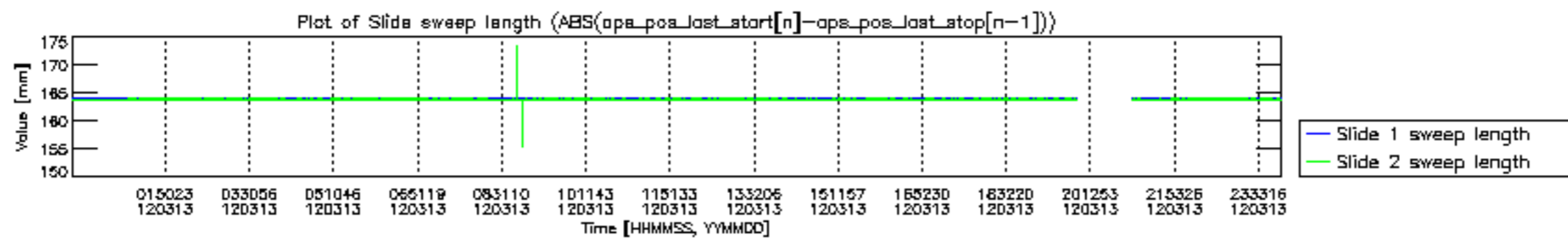


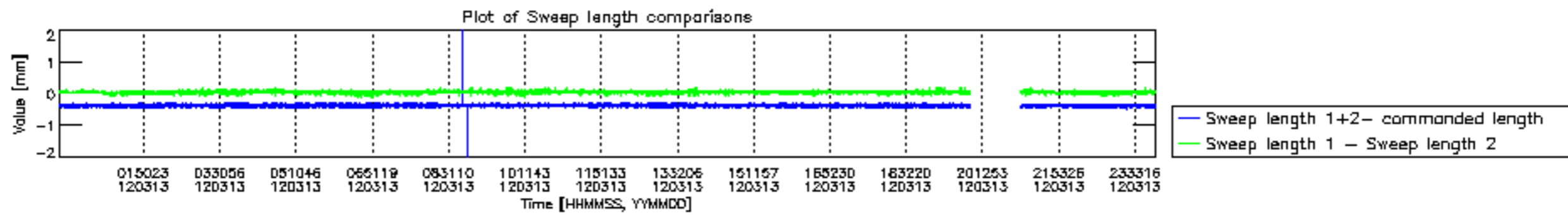


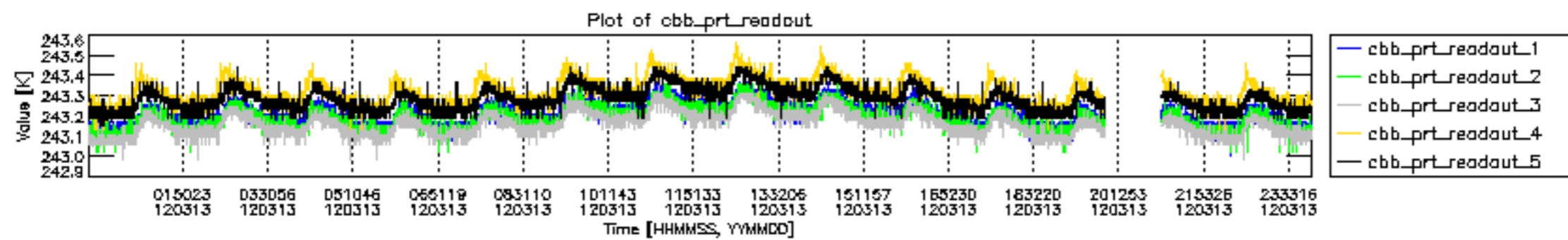


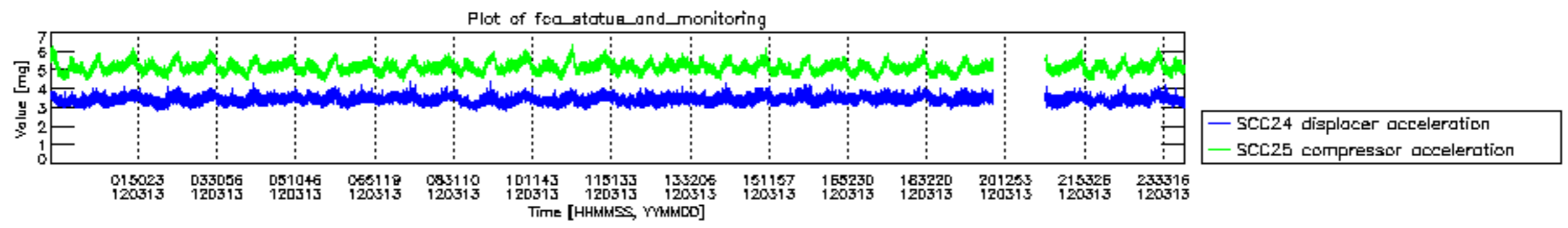












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

