

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	23MAR2012 05:24:05
Data source version	KSPT_L0/4504-N
Processing scope for products	18MAR2012 00:00:00 to 19MAR2012 00:00:00
Start time of first product within scope	18MAR2012 01:22:59
Stop time of last product within scope	19MAR2012 00:46:51
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__OPNPDE20120318_012259_000102303112_00390_52559_1244.N1	18MAR2012 01:22:59	18MAR2012 04:13:29	0	0	0	0	0
1	MIP_NL__OPNPDE20120318_041253_000062733112_00392_52561_1245.N1	18MAR2012 04:12:53	18MAR2012 05:57:27	0	0	0	0	0
2	MIP_NL__OPNPDE20120318_055653_000061543112_00393_52562_1246.N1	18MAR2012 05:56:53	18MAR2012 07:39:28	0	0	0	0	0
3	MIP_NL__OPNPDK20120318_073854_000038943112_00394_52563_8962.N1	18MAR2012 07:38:54	18MAR2012 08:43:48	0	0	0	0	0
4	MIP_NL__OPNPDK20120318_084315_000061653112_00395_52564_8963.N1	18MAR2012 08:43:15	18MAR2012 10:26:00	0	0	0	0	0
5	MIP_NL__OPNPDK20120318_102518_000059543112_00396_52565_8964.N1	18MAR2012 10:25:18	18MAR2012 12:04:32	0	0	0	0	0
6	MIP_NL__OPNPDK20120318_120348_000058543112_00397_52566_8965.N1	18MAR2012 12:03:48	18MAR2012 13:41:21	0	0	0	0	0
7	MIP_NL__OPNPDK20120318_133949_000059313112_00398_52567_8966.N1	18MAR2012 13:39:49	18MAR2012 15:18:40	0	0	0	0	0
8	MIP_NL__OPNPDK20120318_165729_000059483112_00400_52569_8968.N1	18MAR2012 16:57:29	18MAR2012 18:36:37	0	0	0	0	0
9	MIP_NL__OPNPDK20120318_183536_000059833112_00401_52570_8969.N1	18MAR2012 18:35:36	18MAR2012 20:15:19	0	0	0	0	0
10	MIP_NL__OPNPDE20120318_201337_000043313112_00402_52571_1247.N1	18MAR2012 20:13:37	18MAR2012 21:25:47	0	0	0	0	0
11	MIP_NL__OPNPDE20120318_212428_000061963112_00402_52571_1248.N1	18MAR2012 21:24:28	18MAR2012 23:07:44	0	0	0	0	0
12	MIP_NL__OPNPDE20120318_230648_000060043112_00403_52572_1249.N1	18MAR2012 23:06:48	19MAR2012 00:46:51	0	0	0	0	0

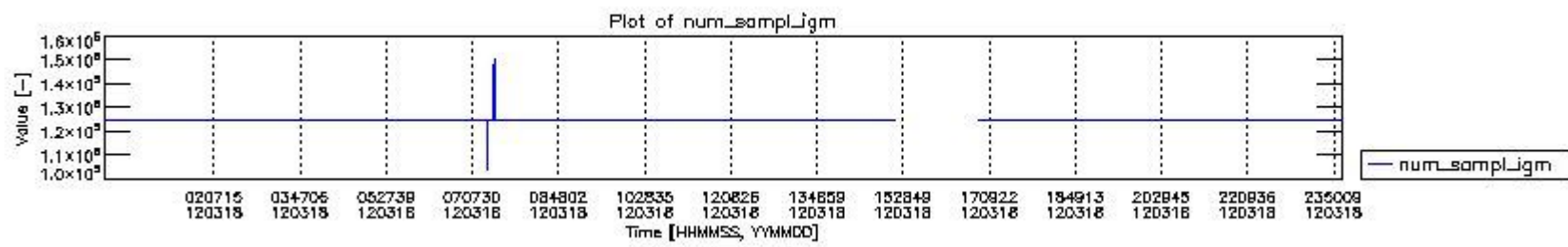
0.2 Instrument Operational Performance Parameters

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.

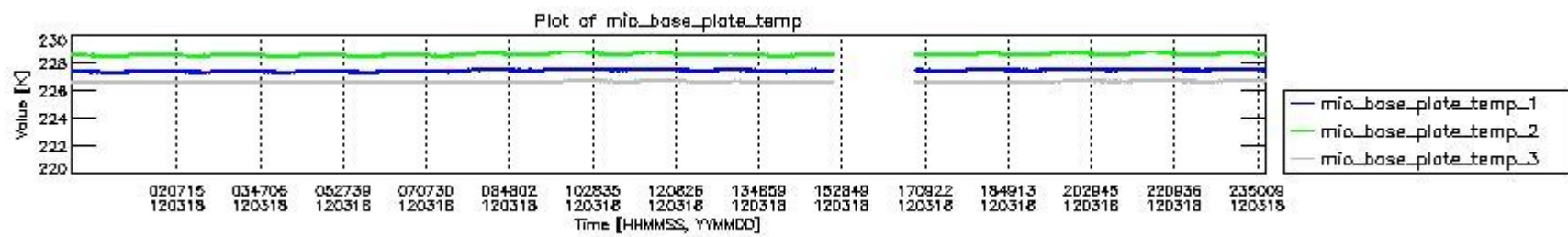
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
104004	1	0.0025797131
104336	1	0.0025797131
124468	1	0.0025797131
124800	36014	92.905789
124803	2744	7.0787328

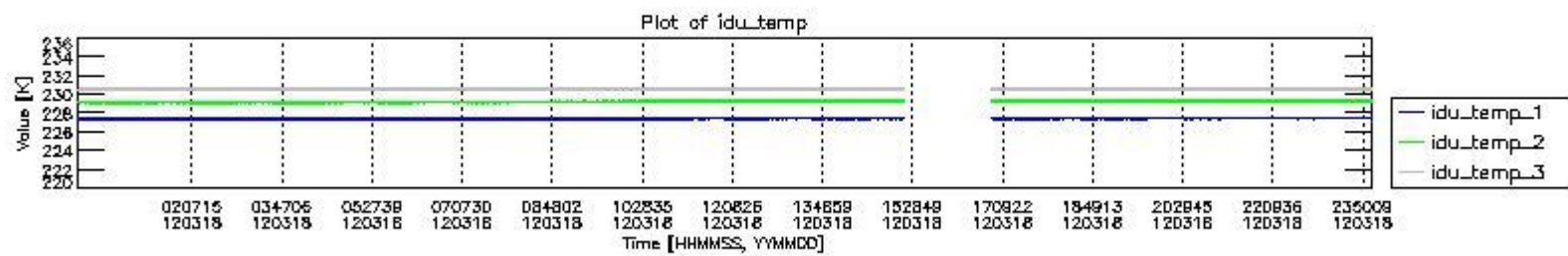
127382	1	0.0025797131
147514	1	0.0025797131
150096	1	0.0025797131



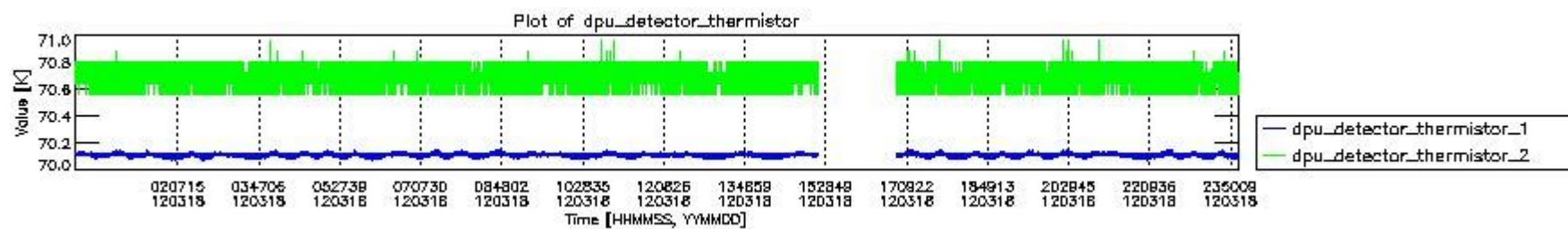
mipas_daily_report_level0_KSPT_L0_4504_N_20120318_0.PNG



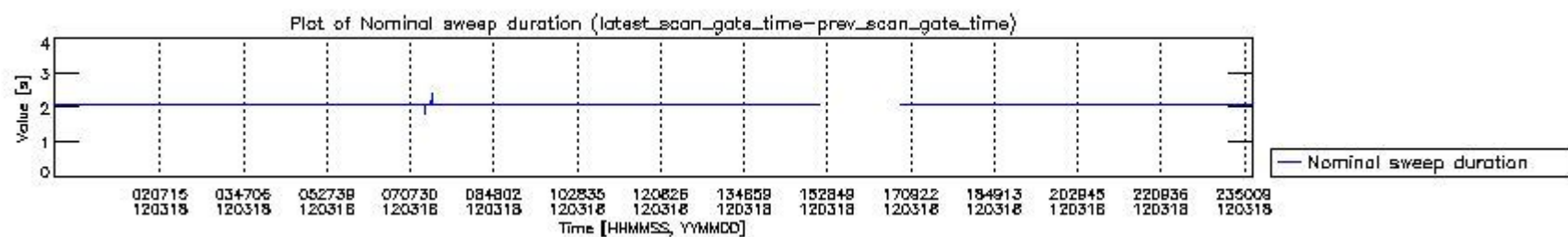
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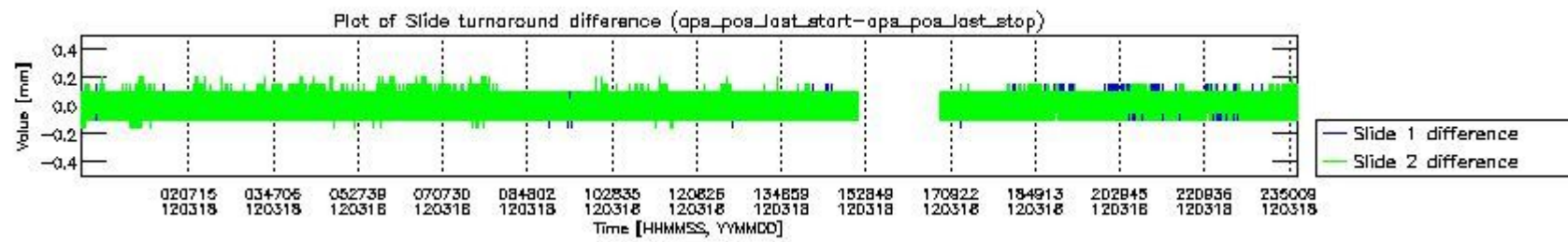
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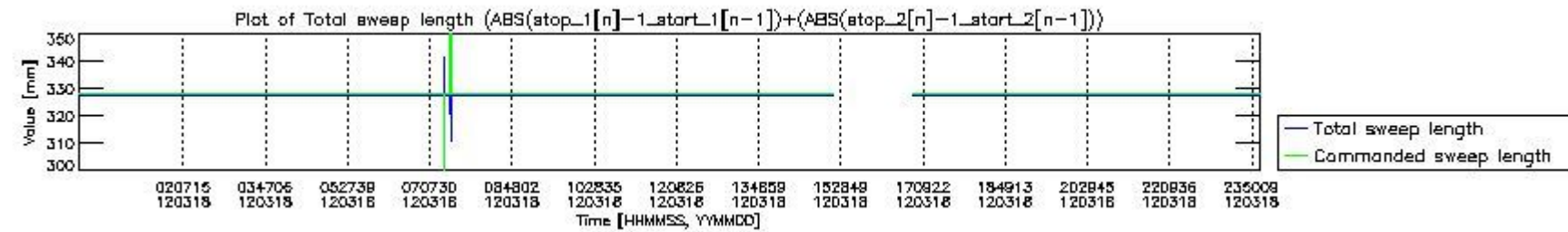
mipas_daily_report_level0_KSPT_L0_4504_N_20120318_3.PNG



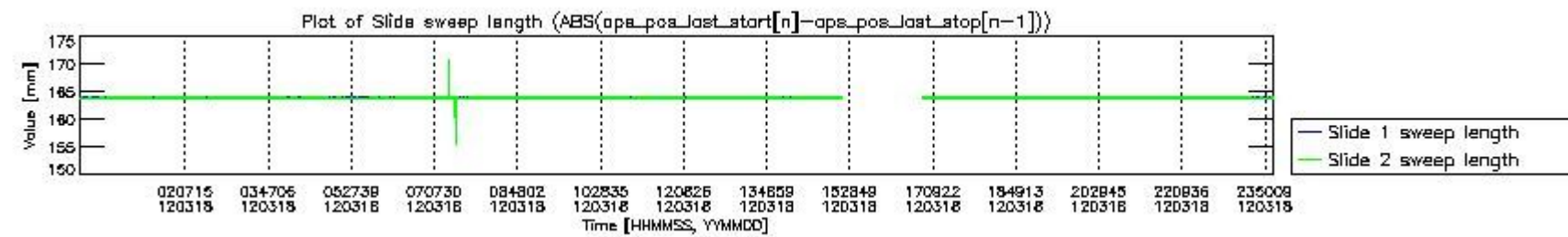
mipas_daily_report_level0_KSPT_L0_4504_N_20120318_4.PNG



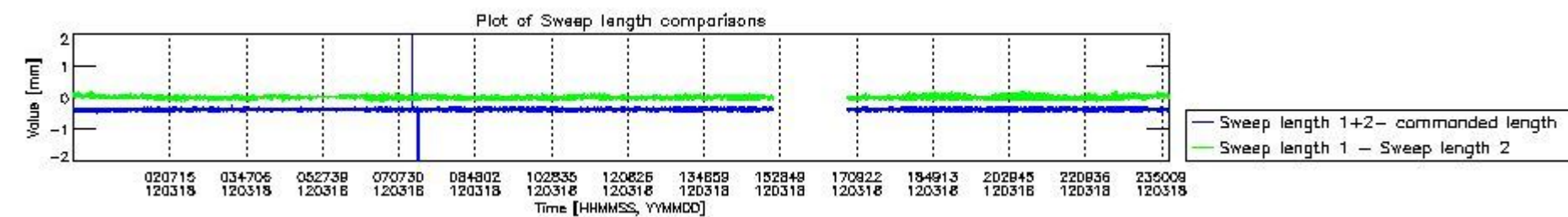
mipas_daily_report_level0_KSPT_L0_4504_N_20120318_5.PNG



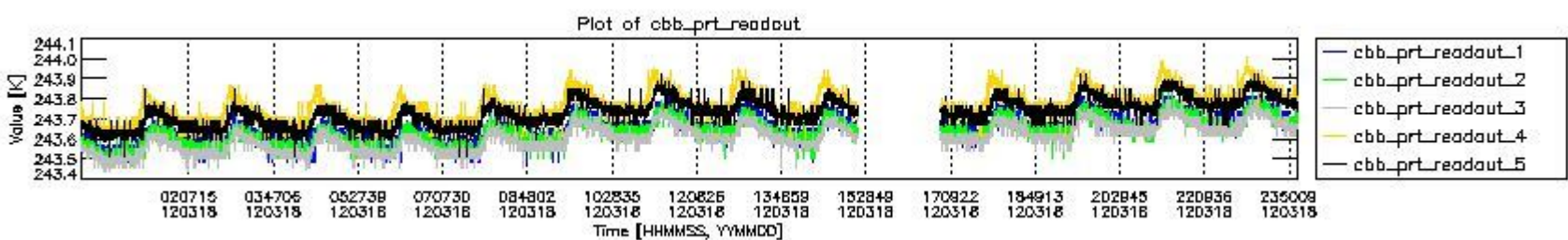
mipas_daily_report_level0_KSPT_L0_4504_N_20120318_6.PNG



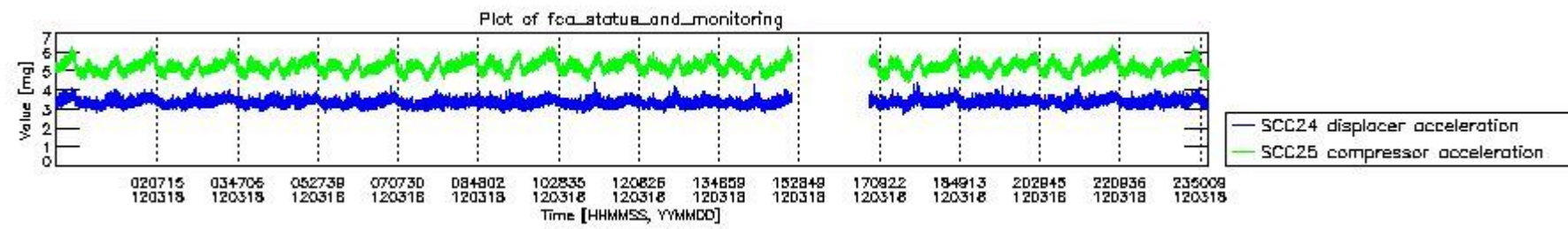
mipas_daily_report_level0_KSPT_L0_4504_N_20120318_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120318_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120318_9.PNG

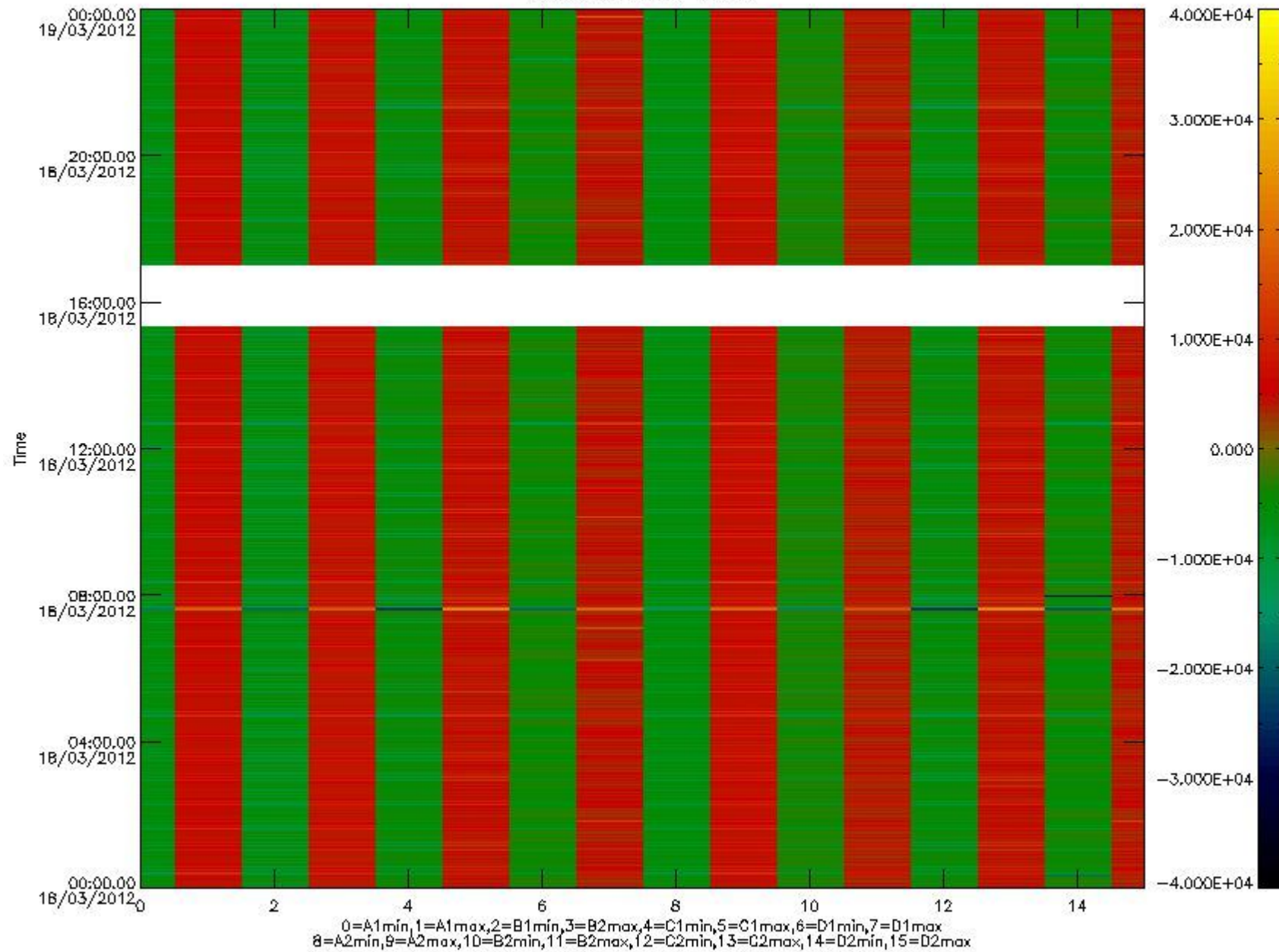


mipas_daily_report_level0_KSPT_L0_4504_N_20120318_10.PNG

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

Channel	Min	Max	ADC
A1	-17466	18401	16bit
B1	-19649	17006	16bit
C1	-23720	23552	16bit
D1	-30425	32767	16bit
A2	-15245	18663	16bit
B2	-17383	17149	16bit
C2	-24742	24260	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_20120318_11.PNG

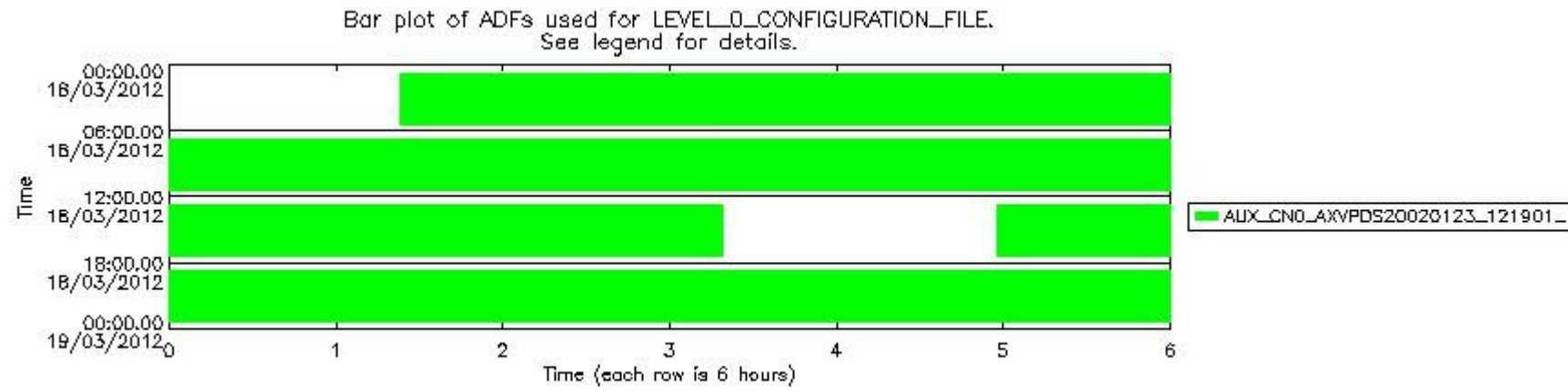
0.3 ADF monitoring

The use of ADFs is shown in two ways:

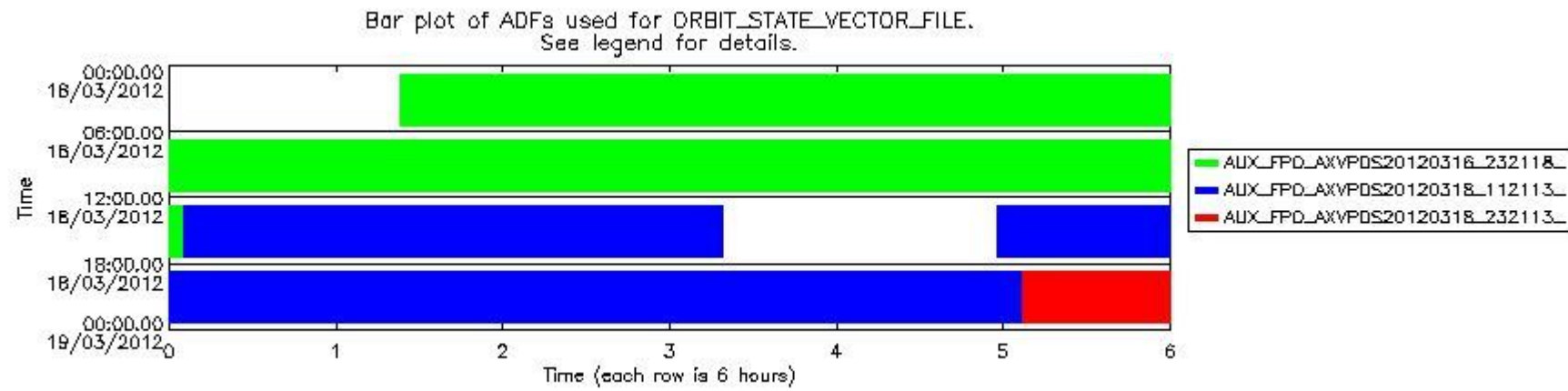
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120316_232118_20120316_193055_20120326_200422
2	AUX_FPO_AXVPDS20120318_112113_20120317_185410_20120327_210751
3	AUX_FPO_AXVPDS20120318_232113_20120318_195739_20120328_203106

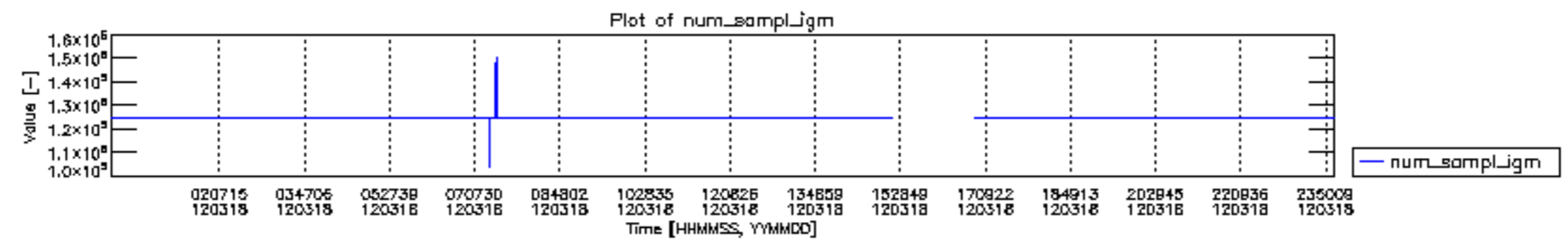
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120318_012259_000102303112_00390_52559_1244.N1	0	1
1	MIP_NL__0PNPDE20120318_041253_000062733112_00392_52561_1245.N1	0	1
2	MIP_NL__0PNPDE20120318_055653_000061543112_00393_52562_1246.N1	0	1
3	MIP_NL__0PNPDK20120318_073854_000038943112_00394_52563_8962.N1	0	1
4	MIP_NL__0PNPDK20120318_084315_000061653112_00395_52564_8963.N1	0	1
5	MIP_NL__0PNPDK20120318_102518_000059543112_00396_52565_8964.N1	0	1
6	MIP_NL__0PNPDK20120318_120348_000058543112_00397_52566_8965.N1	0	2
7	MIP_NL__0PNPDK20120318_133949_000059313112_00398_52567_8966.N1	0	2
8	MIP_NL__0PNPDK20120318_165729_000059483112_00400_52569_8968.N1	0	2
9	MIP_NL__0PNPDK20120318_183536_000059833112_00401_52570_8969.N1	0	2
10	MIP_NL__0PNPDE20120318_201337_000043313112_00402_52571_1247.N1	0	2
11	MIP_NL__0PNPDE20120318_212428_000061963112_00402_52571_1248.N1	0	2
12	MIP_NL__0PNPDE20120318_230648_000060043112_00403_52572_1249.N1	0	3

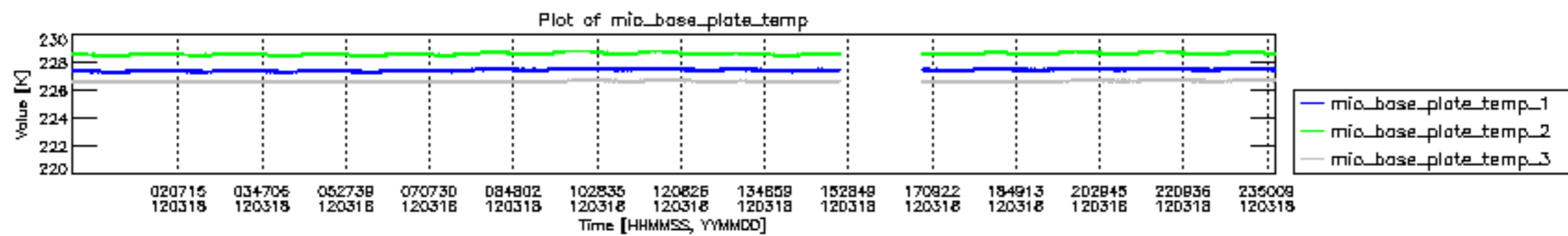


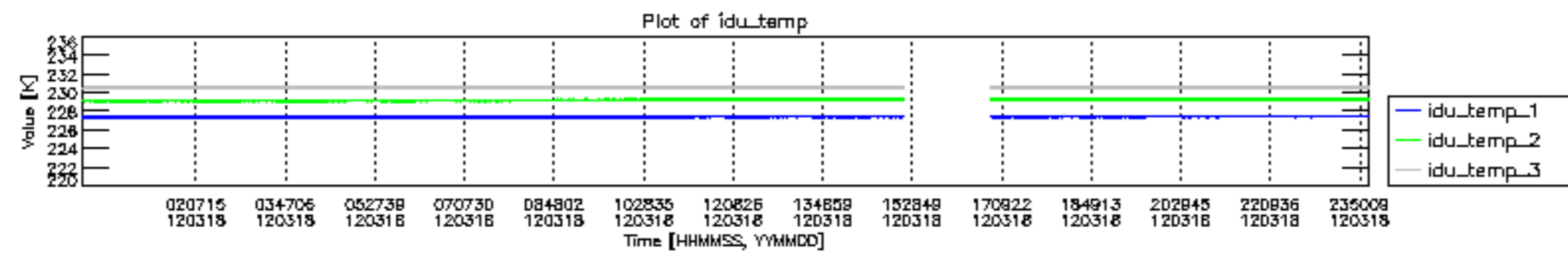
mipas_daily_report_level0_KSPT_L0_4504_N_20120318_12.PNG

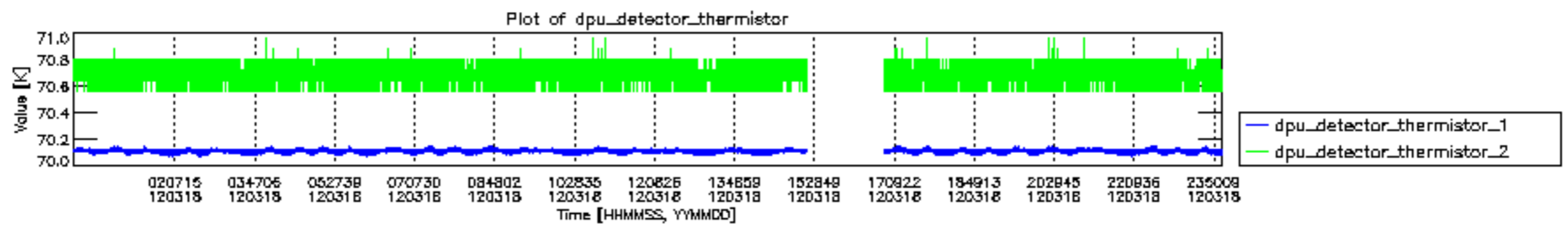


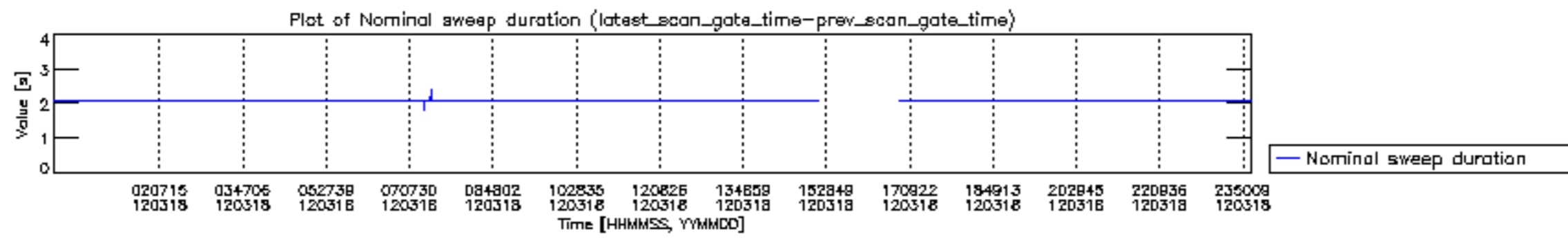
mipas_daily_report_level0_KSPT_L0_4504_N_20120318_13.PNG

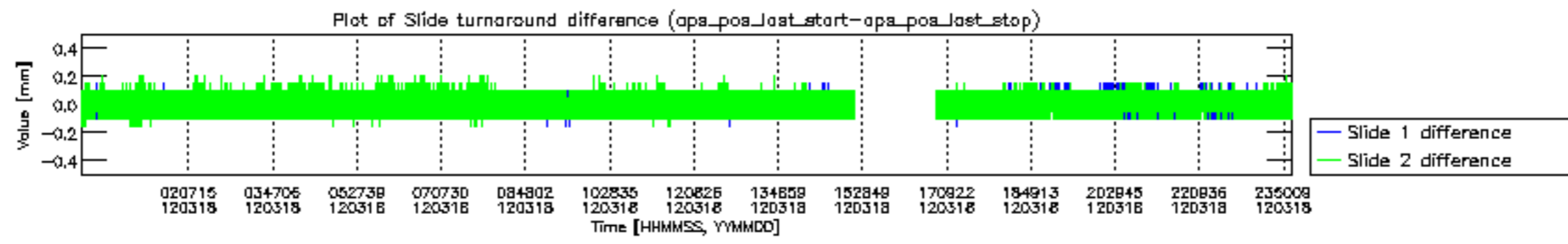


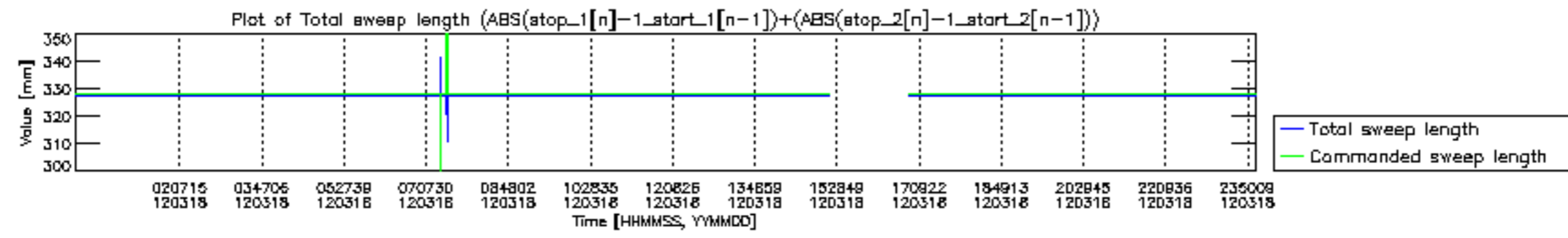


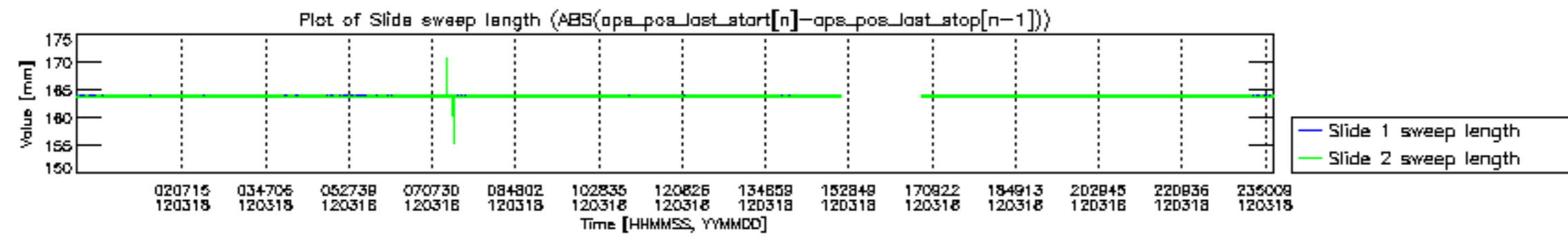


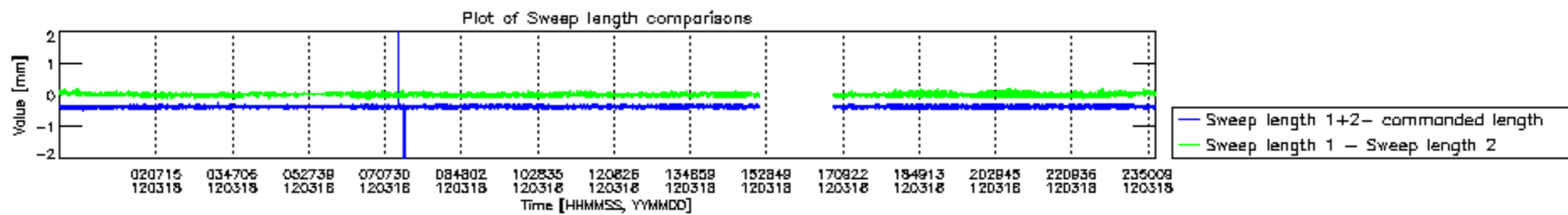


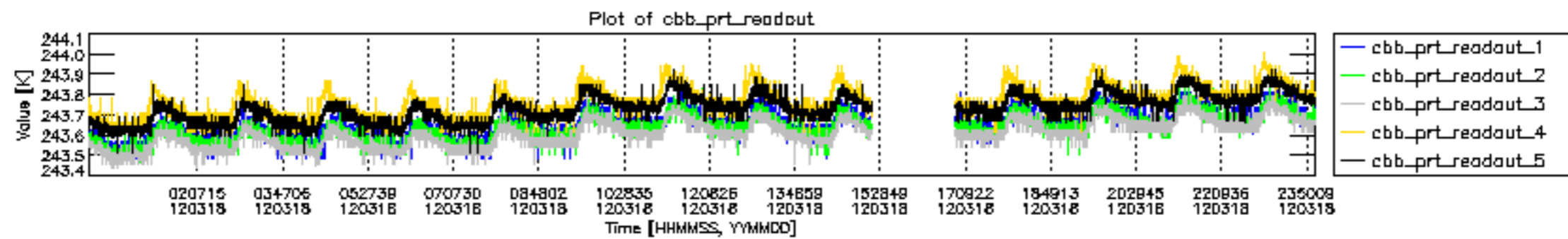


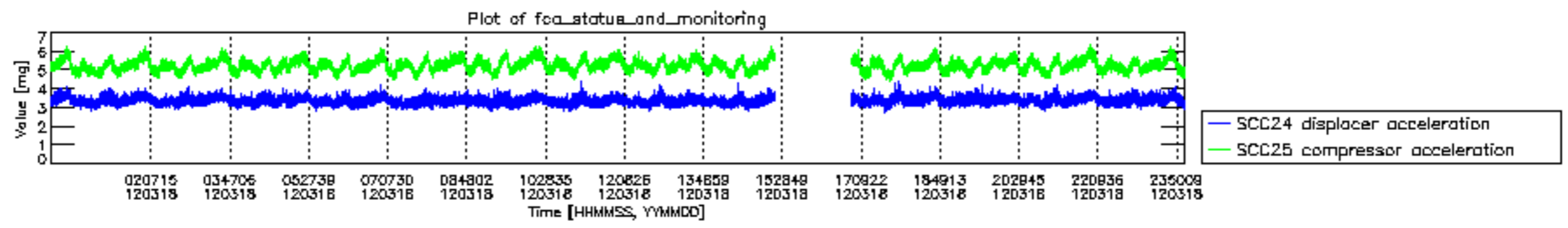












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

