

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	24JAN2012 05:28:39
Data source version	KSPT_L0/4504-N
Processing scope for products	19JAN2012 00:00:00 to 20JAN2012 00:00:00
Start time of first product within scope	19JAN2012 00:47:18
Stop time of last product within scope	20JAN2012 00:11:36
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__0PNPDE20120119_004718_000057613110_00404_51711_5380.N1	19JAN2012 00:47:18	19JAN2012 02:23:20	0	0	0	0	0
1	MIP_NL__0PNPDE20120119_022221_000045443110_00405_51712_5381.N1	19JAN2012 02:22:21	19JAN2012 03:38:05	0	0	0	0	0
2	MIP_NL__0PNPDE20120119_033731_000061693110_00406_51713_5382.N1	19JAN2012 03:37:31	19JAN2012 05:20:20	0	0	0	0	0
3	MIP_NL__0PNPDE20120119_051947_000060513110_00407_51714_5384.N1	19JAN2012 05:19:47	19JAN2012 07:00:37	0	0	0	0	0
4	MIP_NL__0PNPDK20120119_070002_000040883110_00408_51715_8307.N1	19JAN2012 07:00:02	19JAN2012 08:08:10	0	0	0	0	0
5	MIP_NL__0PNPDK20120119_080713_000059753110_00409_51716_8308.N1	19JAN2012 08:07:13	19JAN2012 09:46:48	0	0	0	0	0
6	MIP_NL__0PNPDK20120119_094526_000061853110_00410_51717_8309.N1	19JAN2012 09:45:26	19JAN2012 11:28:32	0	0	0	0	0
7	MIP_NL__0PNPDK20120119_112658_000059973110_00411_51718_8310.N1	19JAN2012 11:26:58	19JAN2012 13:06:55	0	0	0	0	0
8	MIP_NL__0PNPDK20120119_130557_000059743110_00412_51719_8311.N1	19JAN2012 13:05:57	19JAN2012 14:45:31	0	0	0	0	0
9	MIP_NL__0PNPDK20120119_144353_000058913110_00413_51720_8312.N1	19JAN2012 14:43:53	19JAN2012 16:22:04	0	0	0	0	0
10	MIP_NL__0PNPDK20120119_162118_000058533110_00414_51721_8313.N1	19JAN2012 16:21:18	19JAN2012 17:58:51	0	0	0	0	0
11	MIP_NL__0PNPDK20120119_175751_000059643110_00415_51722_8314.N1	19JAN2012 17:57:51	19JAN2012 19:37:15	0	0	0	0	0
12	MIP_NL__0PNPDK20120119_193508_000060873110_00416_51723_8315.N1	19JAN2012 19:35:08	19JAN2012 21:16:35	0	0	0	0	0
13	MIP_NL__0PNPDE20120119_211444_000045103110_00417_51724_5385.N1	19JAN2012 21:14:44	19JAN2012 22:29:54	0	0	0	0	0
14	MIP_NL__0PNPDE20120119_222847_000061693110_00417_51724_5386.N1	19JAN2012 22:28:47	20JAN2012 00:11:36	0	0	0	0	0

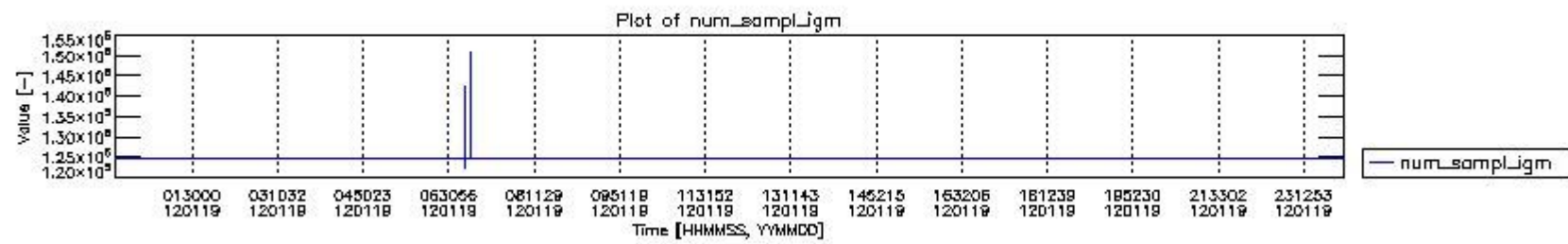
0.2 Instrument Operational Performance Parameters

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.

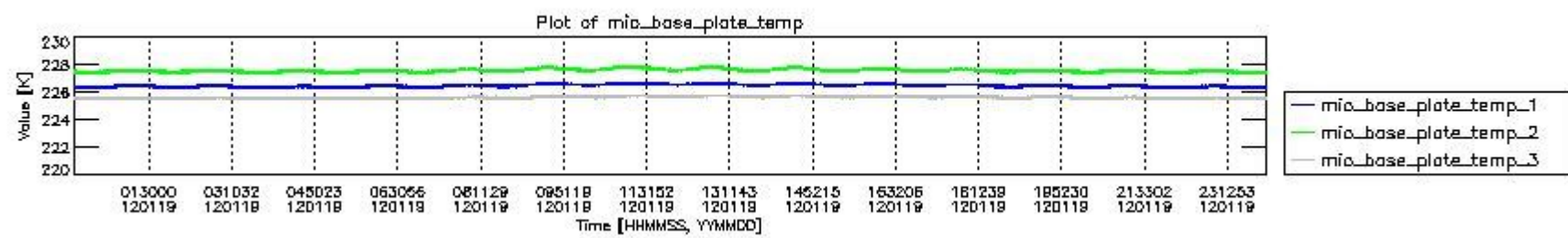
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
122252	1	0.0024013063
124800	38679	92.880127
124803	2959	7.1054654

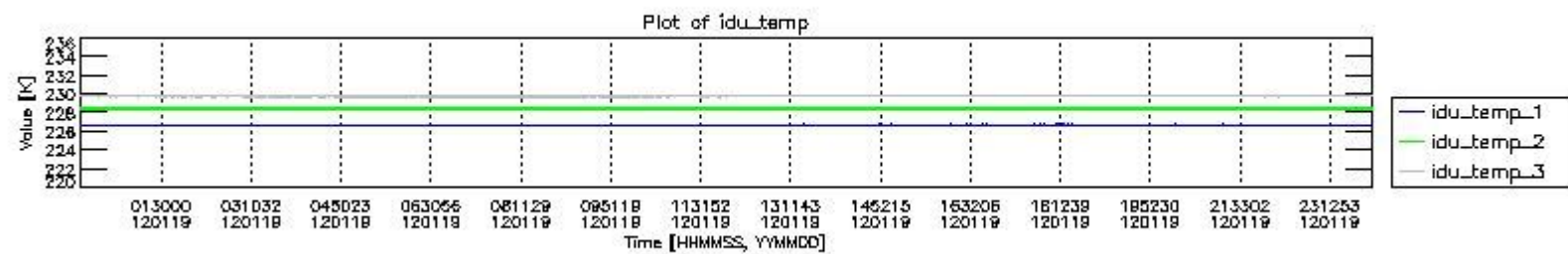
127754	1	0.0024013063
139836	1	0.0024013063
142384	1	0.0024013063
147886	1	0.0024013063
150840	1	0.0024013063



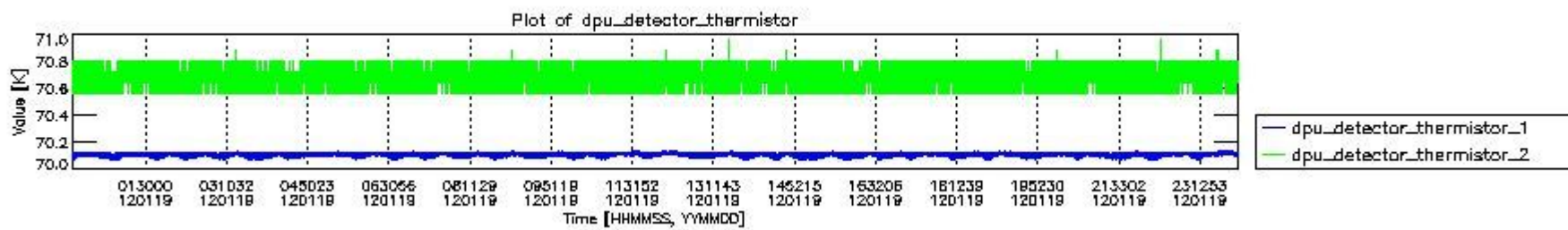
mipas_daily_report_level0_KSPT_L0_4504_N_20120119_0.PNG



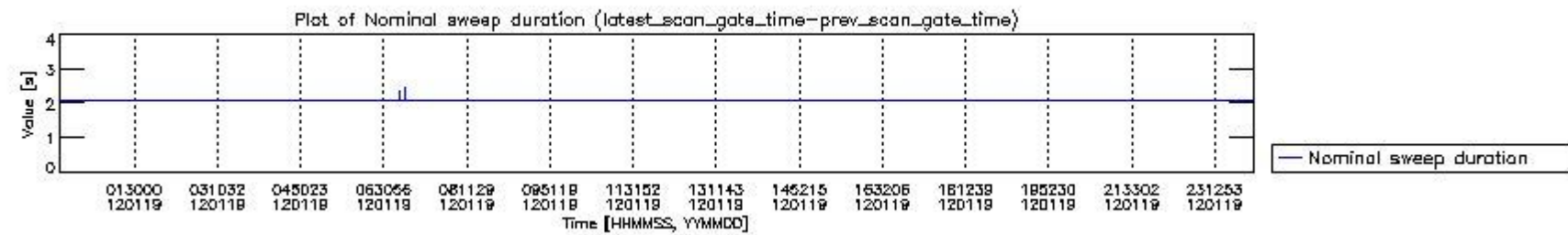
mipas_daily_report_level0_KSPT_L0_4504_N_20120119_1.PNG



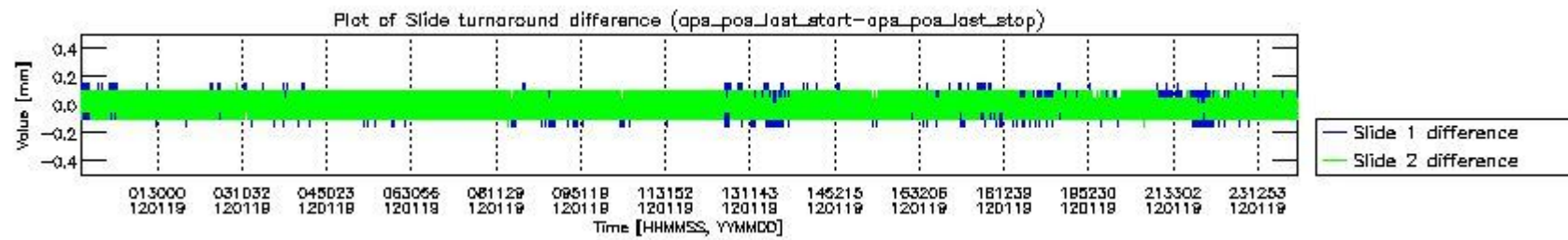
mipas_daily_report_level0_KSPT_L0_4504_N_20120119_2.PNG



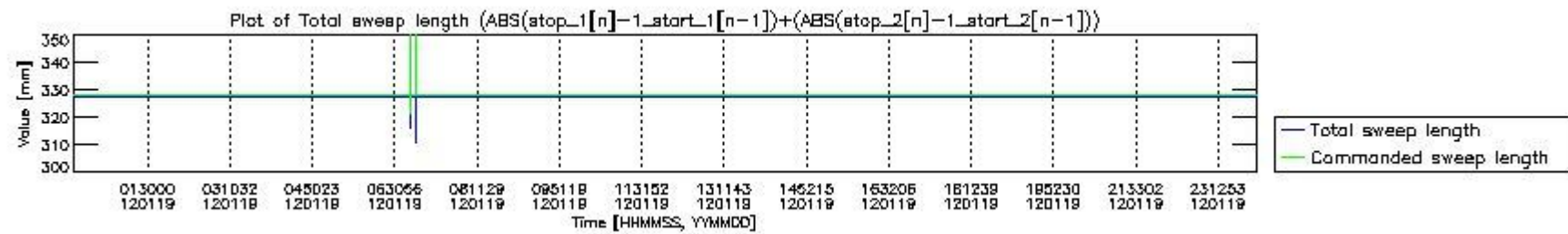
mipas_daily_report_level0_KSPT_L0_4504_N_20120119_3.PNG



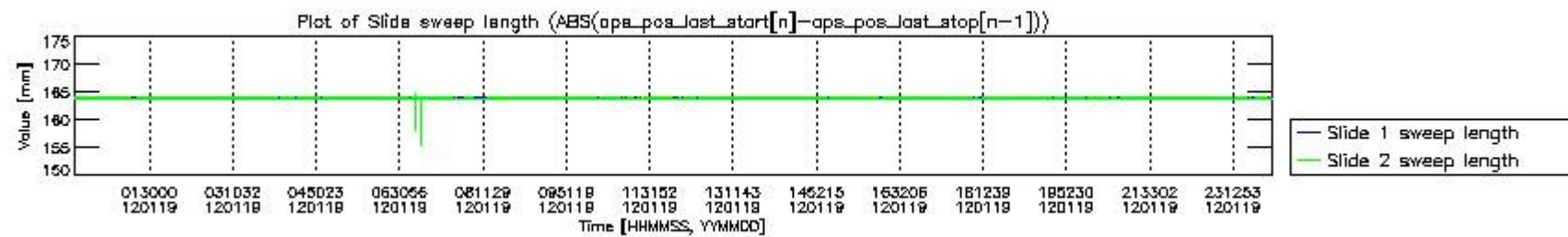
mipas_daily_report_level0_KSPT_L0_4504_N_20120119_4.PNG



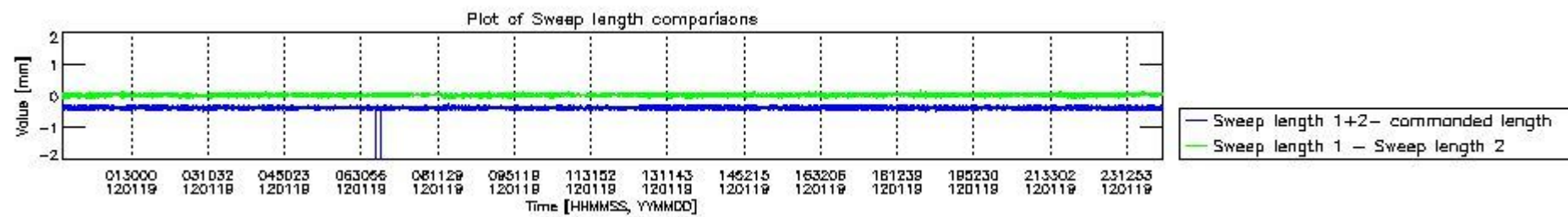
mipas_daily_report_level0_KSPT_L0_4504_N_20120119_5.PNG



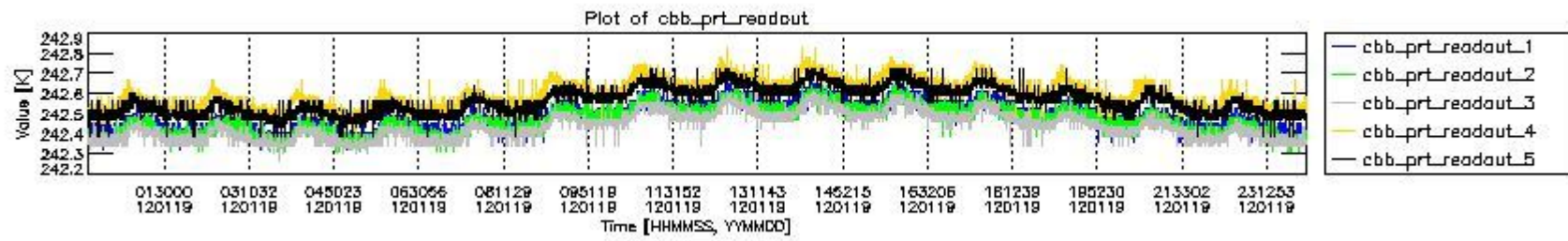
mipas_daily_report_level0_KSPT_L0_4504_N_20120119_6.PNG



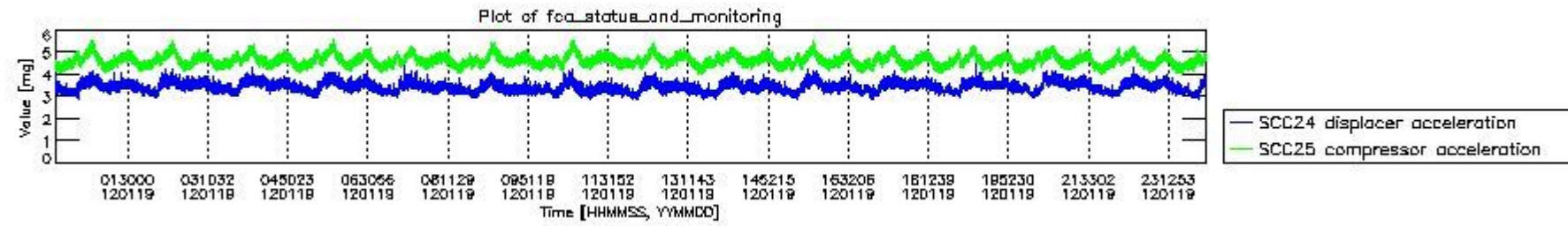
mipas_daily_report_level0_KSPT_L0_4504_N_20120119_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120119_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120119_9.PNG

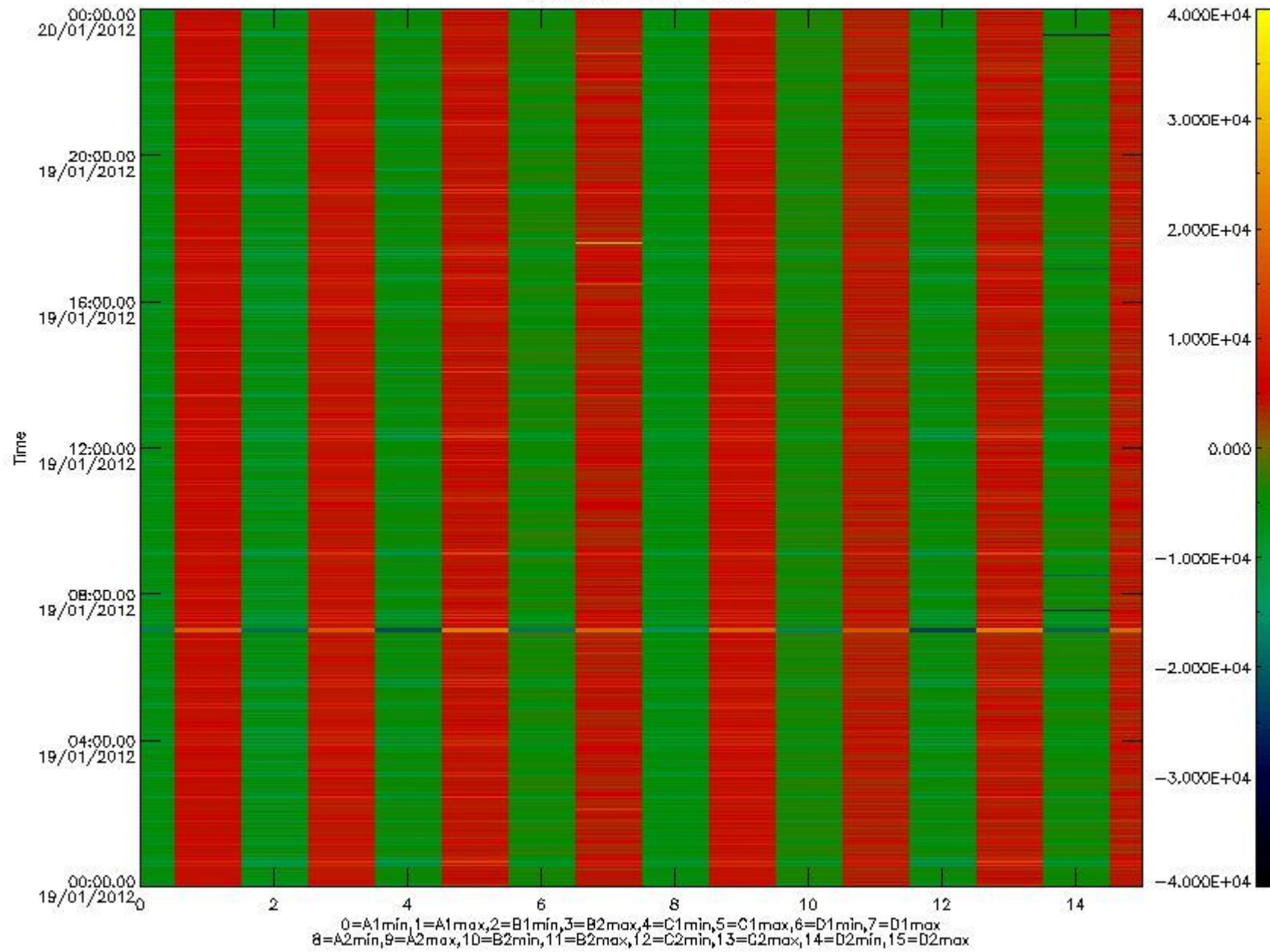


mipas_daily_report_level0_KSPT_L0_4504_N_20120119_10.PNG

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

Channel	Min	Max	ADC
A1	-17454	18431	16bit
B1	-19252	16680	16bit
C1	-24784	22590	16bit
D1	-27020	32767	16bit
A2	-15216	18636	16bit
B2	-17012	16767	16bit
C2	-23696	23247	16bit
D2	-32768	29863	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120119_11.PNG

0.3 ADF monitoring

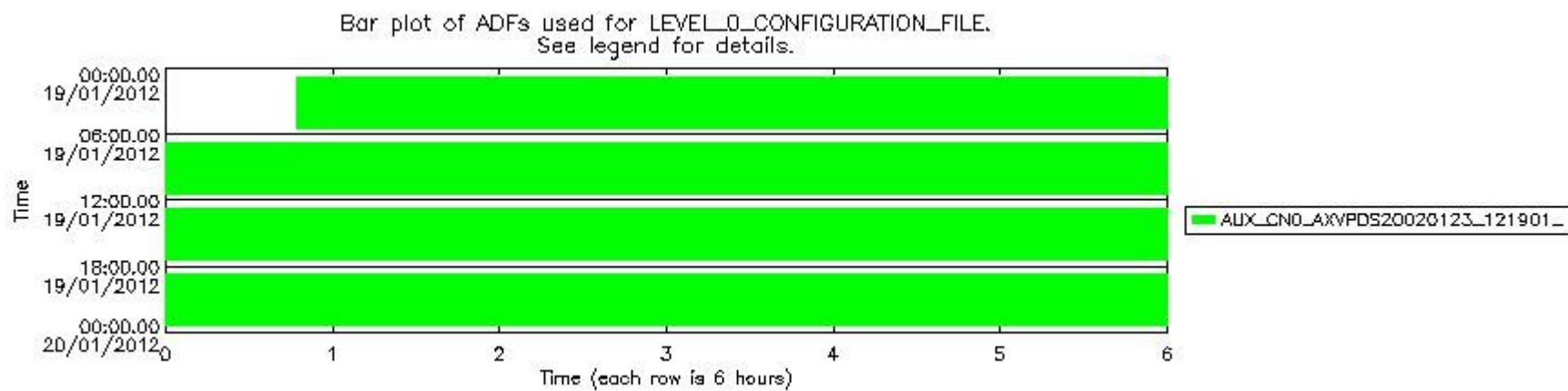
The use of ADFs is shown in two ways:

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.

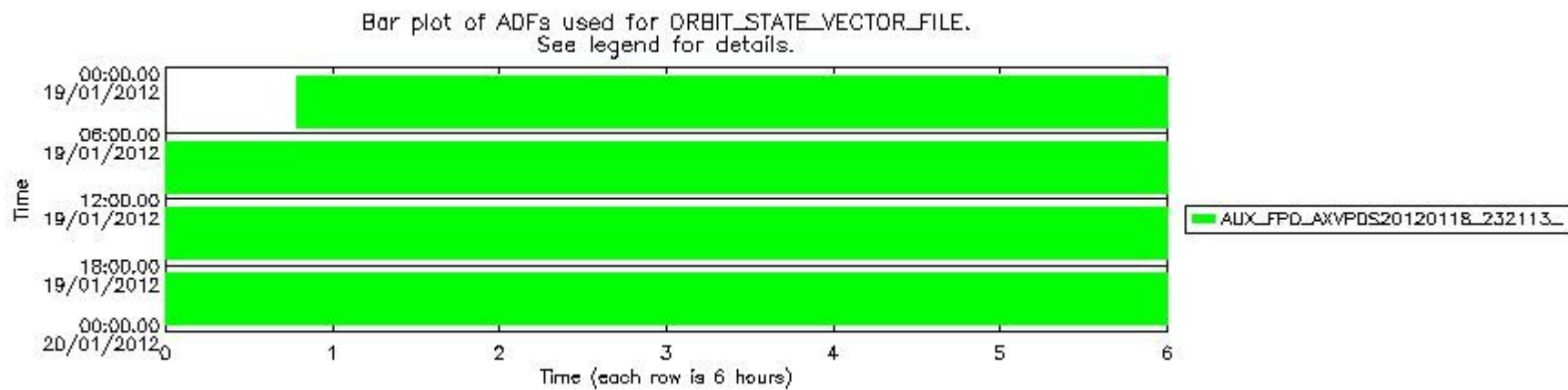
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120118_232113_20120118_195732_20120128_203057

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120119_004718_000057613110_00404_51711_5380.N1	0	1

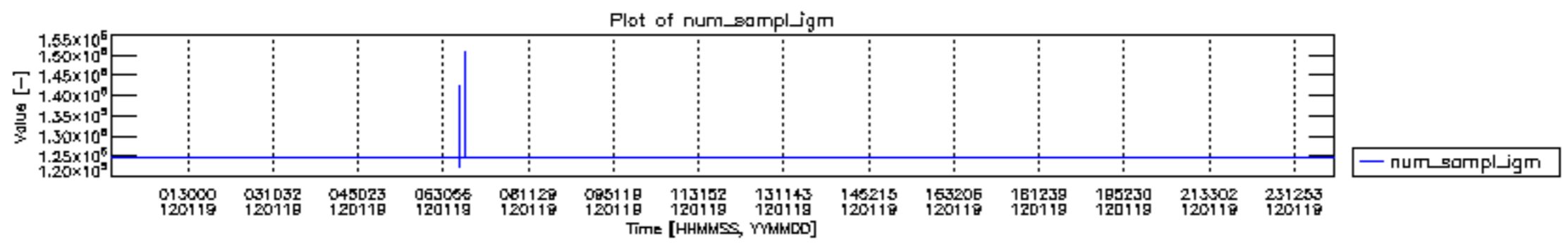
1	MIP_NL__0PNPDE20120119_022221_000045443110_00405_51712_5381.N1	0	1
2	MIP_NL__0PNPDE20120119_033731_000061693110_00406_51713_5382.N1	0	1
3	MIP_NL__0PNPDE20120119_051947_000060513110_00407_51714_5384.N1	0	1
4	MIP_NL__0PNPDK20120119_070002_000040883110_00408_51715_8307.N1	0	1
5	MIP_NL__0PNPDK20120119_080713_000059753110_00409_51716_8308.N1	0	1
6	MIP_NL__0PNPDK20120119_094526_000061853110_00410_51717_8309.N1	0	1
7	MIP_NL__0PNPDK20120119_112658_000059973110_00411_51718_8310.N1	0	1
8	MIP_NL__0PNPDK20120119_130557_000059743110_00412_51719_8311.N1	0	1
9	MIP_NL__0PNPDK20120119_144353_000058913110_00413_51720_8312.N1	0	1
10	MIP_NL__0PNPDK20120119_162118_000058533110_00414_51721_8313.N1	0	1
11	MIP_NL__0PNPDK20120119_175751_000059643110_00415_51722_8314.N1	0	1
12	MIP_NL__0PNPDK20120119_193508_000060873110_00416_51723_8315.N1	0	1
13	MIP_NL__0PNPDE20120119_211444_000045103110_00417_51724_5385.N1	0	1
14	MIP_NL__0PNPDE20120119_222847_000061693110_00417_51724_5386.N1	0	1

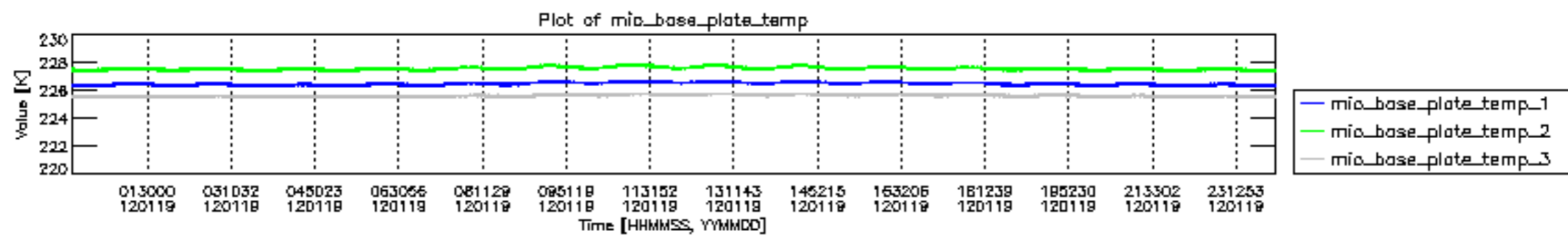


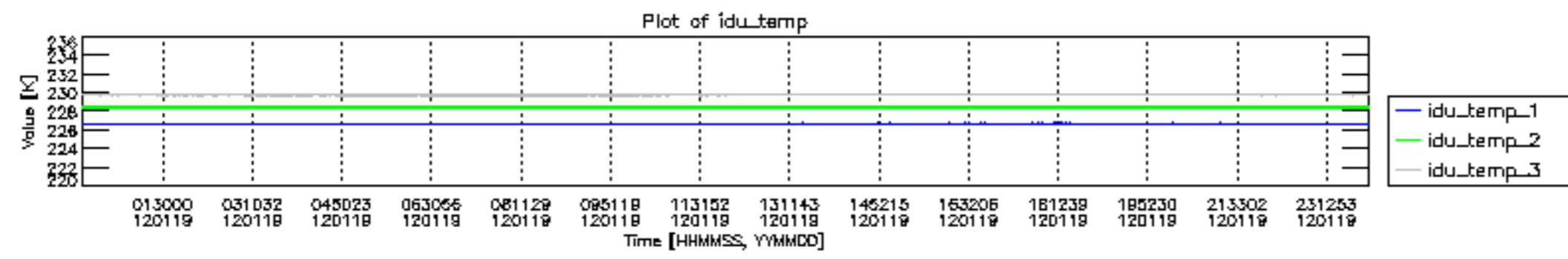
mipas_daily_report_level0_KSPT_L0_4504_N_20120119_12.PNG

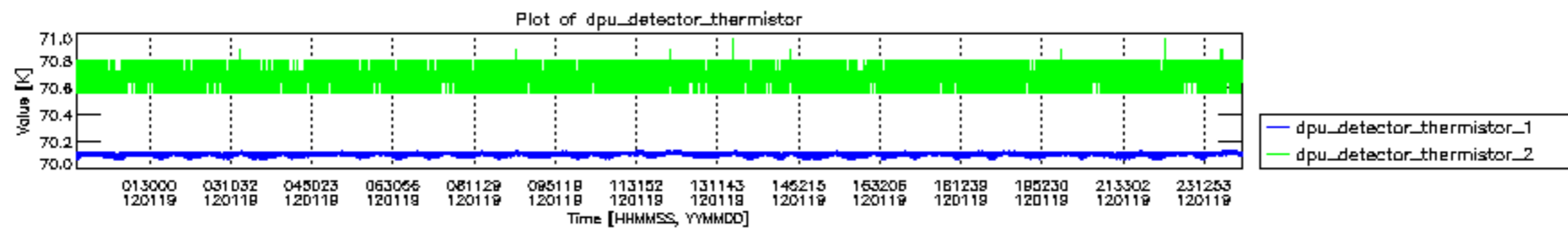


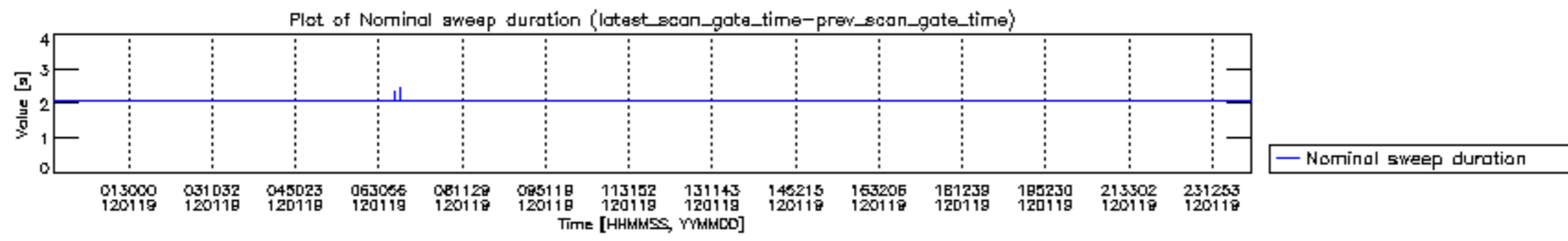
mipas_daily_report_level0_KSPT_L0_4504_N_20120119_13.PNG

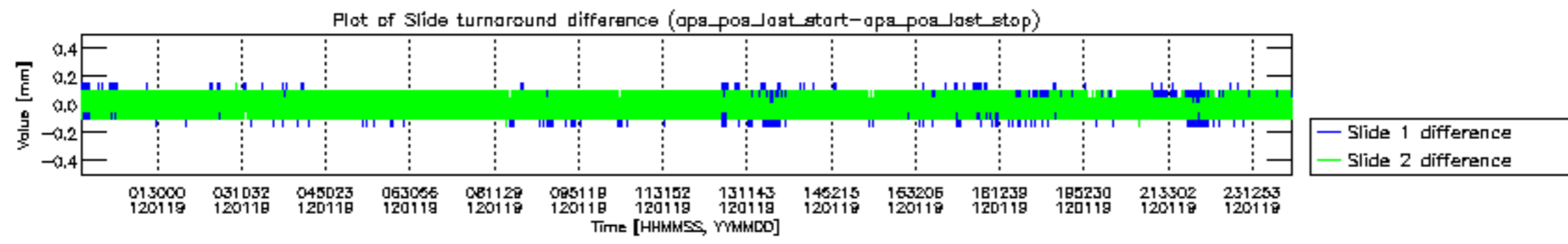


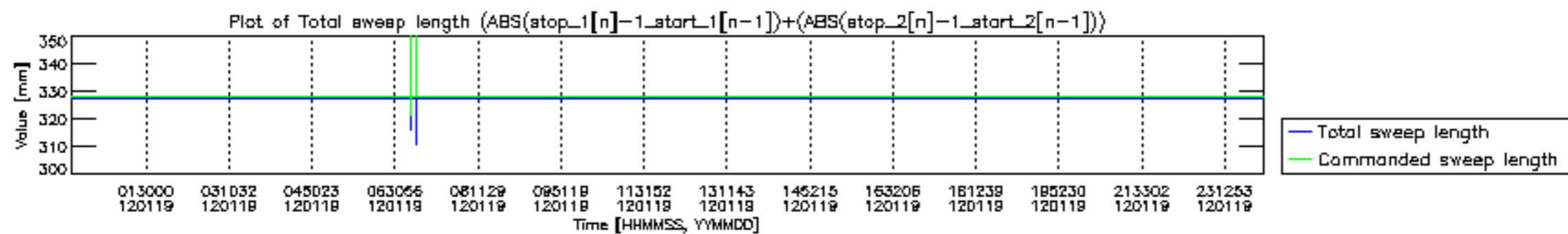


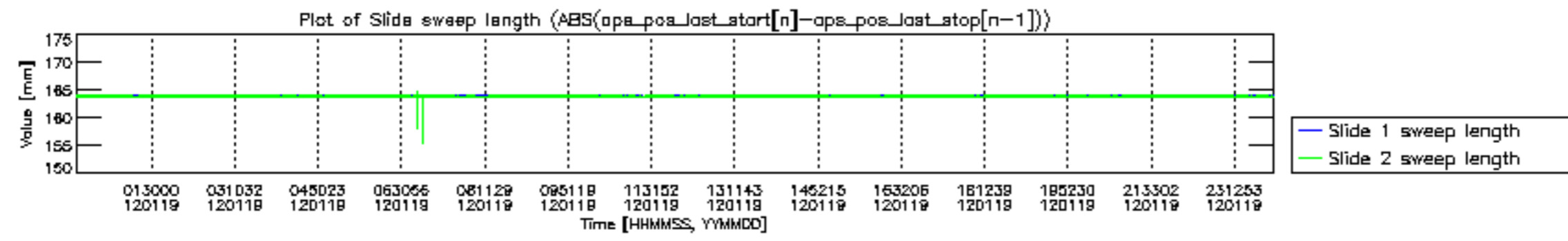


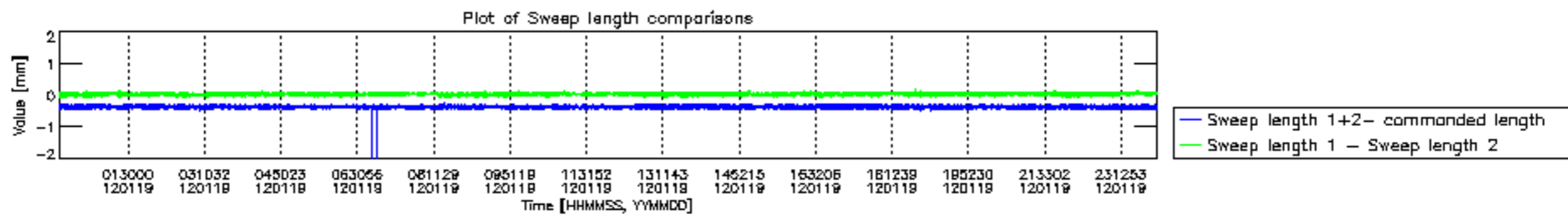


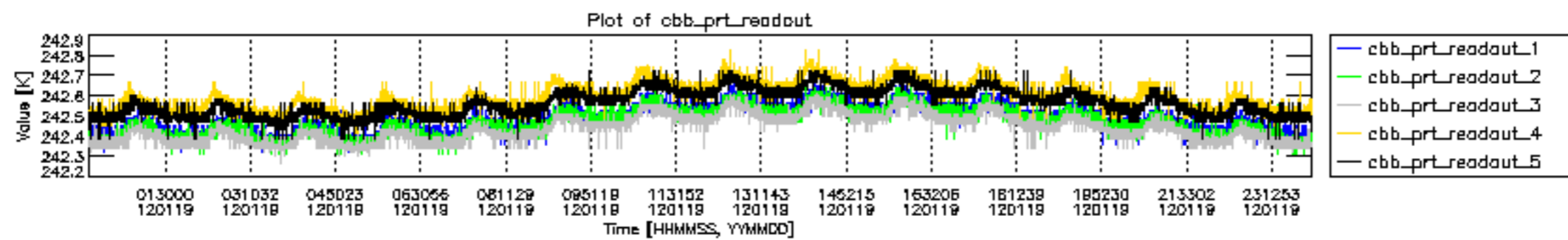


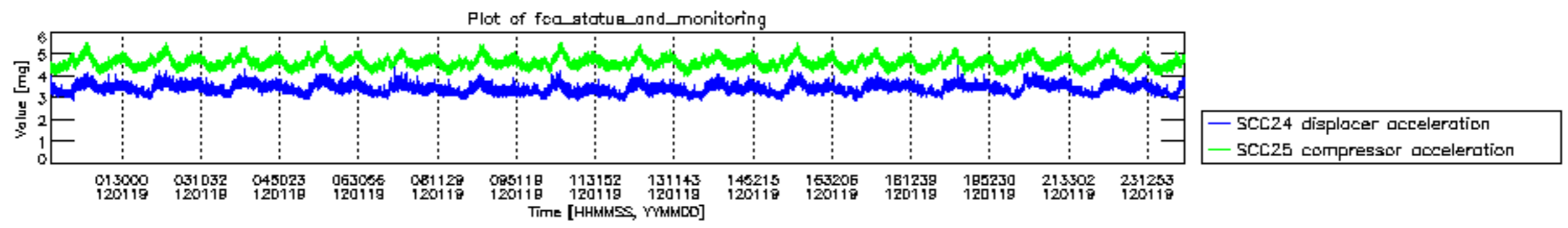












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

