

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	23DEC2010 05:24:04
Data source version	KSPT_L0/4504-N
Processing scope for products	18DEC2010 00:00:00 to 19DEC2010 00:00:00
Start time of first product within scope	18DEC2010 01:35:45
Stop time of last product within scope	19DEC2010 01:02:07
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__0PNPDE20101218_013545_000044143097_00304_46008_2521.N1	18DEC2010 01:35:45	18DEC2010 02:49:19	0	0	0	0	0
1	MIP_NL__0PNPDE20101218_024845_000061963097_00305_46009_2522.N1	18DEC2010 02:48:45	18DEC2010 04:32:02	0	0	0	0	0
2	MIP_NL__0PNPDE20101218_043130_000060023097_00306_46010_2523.N1	18DEC2010 04:31:30	18DEC2010 06:11:32	0	0	0	0	0
3	MIP_NL__0PNPDK20101218_061059_000041263097_00307_46011_3712.N1	18DEC2010 06:10:59	18DEC2010 07:19:45	0	0	0	0	0
4	MIP_NL__0PNPDK20101218_071829_000060813097_00308_46012_3713.N1	18DEC2010 07:18:29	18DEC2010 08:59:51	0	0	0	0	0
5	MIP_NL__0PNPDK20101218_085825_000061163097_00309_46013_3714.N1	18DEC2010 08:58:25	18DEC2010 10:40:21	0	0	0	0	0
6	MIP_NL__0PNPDK20101218_103847_000059313097_00310_46014_3715.N1	18DEC2010 10:38:47	18DEC2010 12:17:38	0	0	0	0	0
7	MIP_NL__0PNPDK20101218_121633_000059983097_00311_46015_3716.N1	18DEC2010 12:16:33	18DEC2010 13:56:31	0	0	0	0	0
8	MIP_NL__0PNPDK20101218_135530_000059373097_00312_46016_3717.N1	18DEC2010 13:55:30	18DEC2010 15:34:27	0	0	0	0	0
9	MIP_NL__0PNPDK20101218_153354_000059353097_00313_46017_3718.N1	18DEC2010 15:33:54	18DEC2010 17:12:49	0	0	0	0	0
10	MIP_NL__0PNPDK20101218_171102_000059563097_00314_46018_3719.N1	18DEC2010 17:11:02	18DEC2010 18:50:18	0	0	0	0	0
11	MIP_NL__0PNPDK20101218_184913_000059163097_00315_46019_3720.N1	18DEC2010 18:49:13	18DEC2010 20:27:49	0	0	0	0	0
12	MIP_NL__0PNPDE20101218_202559_000045313097_00316_46020_2524.N1	18DEC2010 20:25:59	18DEC2010 21:41:30	0	0	0	0	0
13	MIP_NL__0PNPDE20101218_214033_000060443097_00316_46020_2525.N1	18DEC2010 21:40:33	18DEC2010 23:21:17	0	0	0	0	0
14	MIP_NL__0PNPDE20101218_232018_000061083097_00317_46021_2526.N1	18DEC2010 23:20:18	19DEC2010 01:02:07	0	0	0	0	0

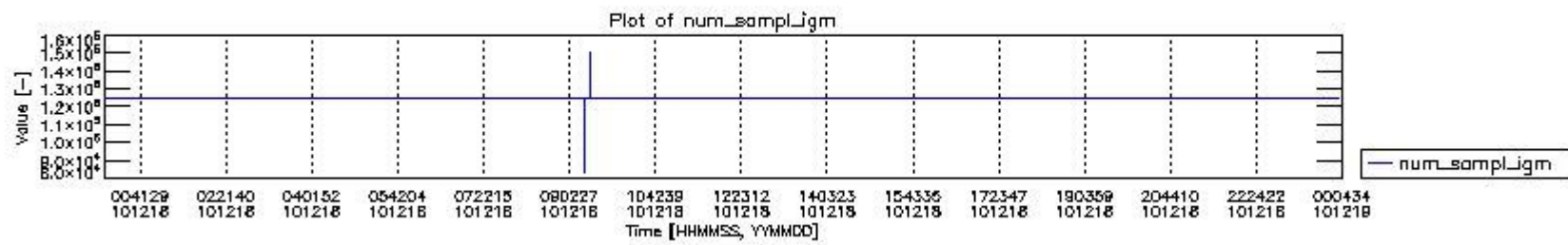
0.2 Instrument Operational Performance Parameters

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.

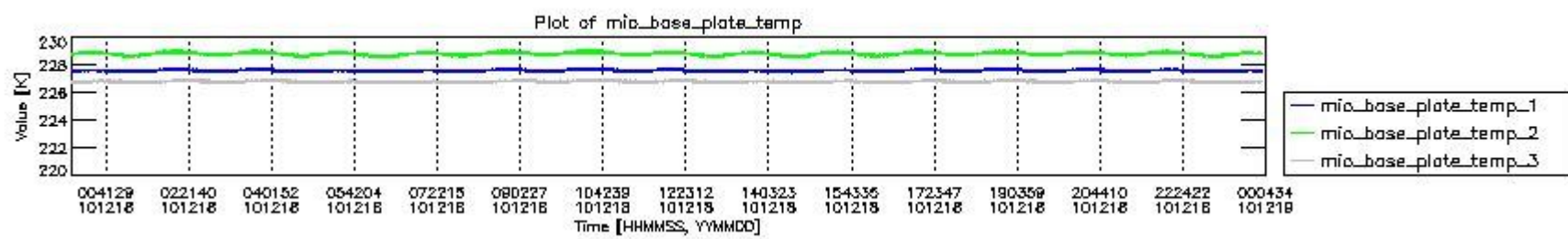
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
82892	1	0.0024086519
93780	1	0.0024086519
113912	1	0.0024086519

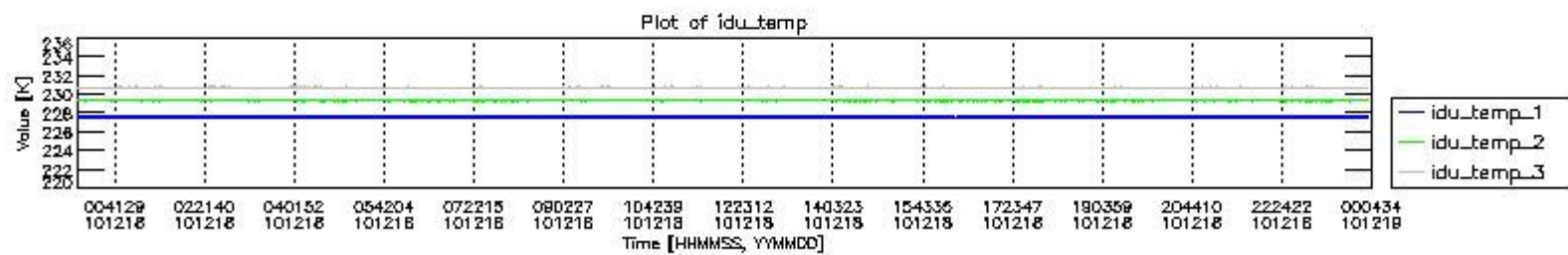
124800	38564	92.887251
124803	2947	7.0982971
127531	1	0.0024086519
147663	1	0.0024086519
150394	1	0.0024086519



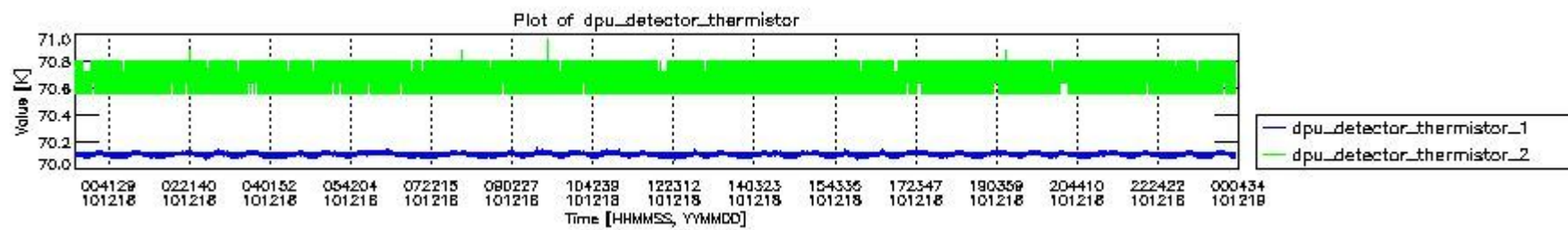
mipas_daily_report_level0_KSPT_L0_4504_N_20101218_0.PNG



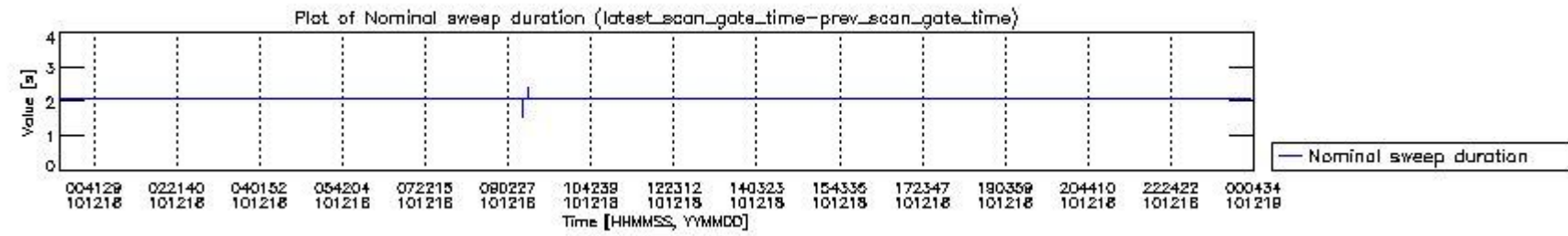
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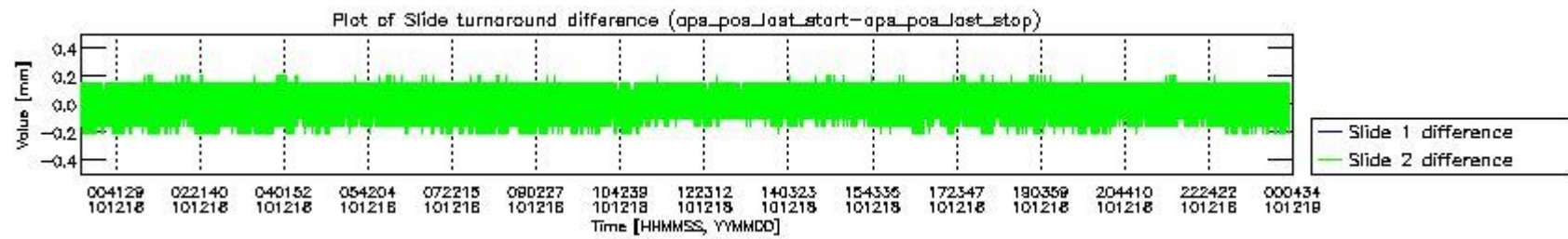
mipas_daily_report_level0_KSPT_L0_4504_N_20101218_2.PNG



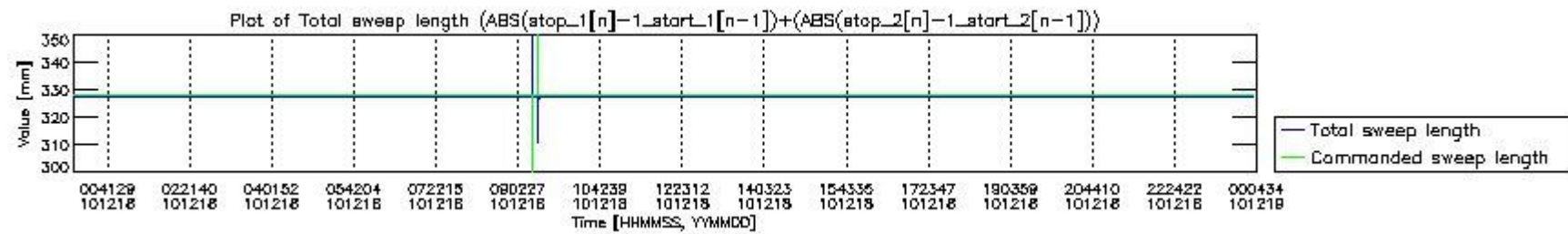
mipas_daily_report_level0_KSPT_L0_4504_N_20101218_3.PNG



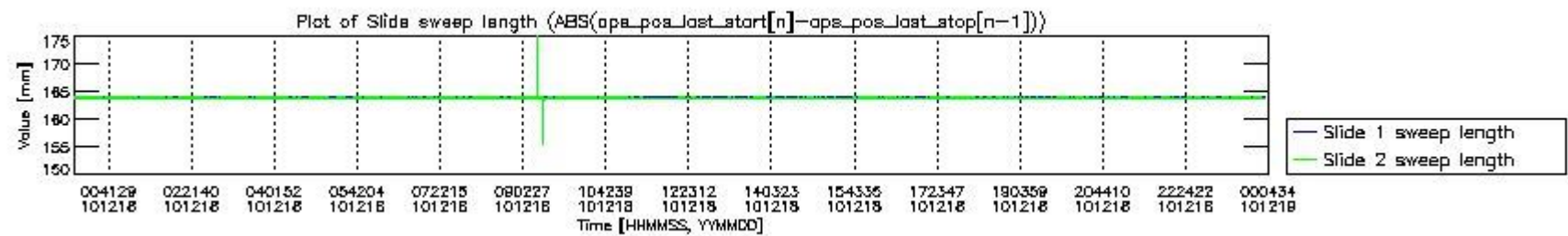
mipas_daily_report_level0_KSPT_L0_4504_N_20101218_4.PNG



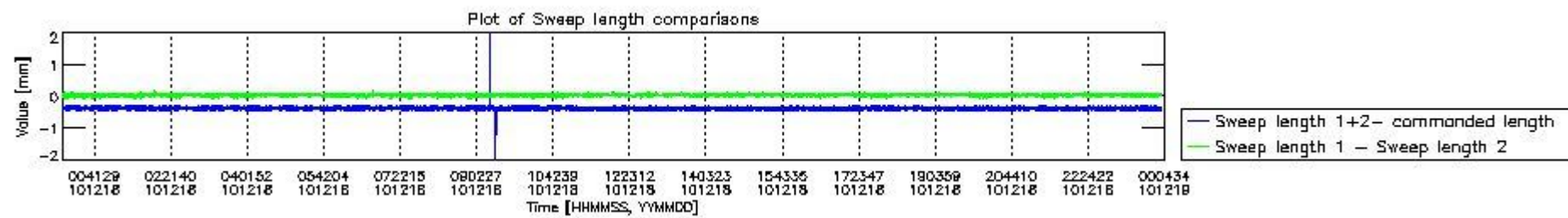
mipas_daily_report_level0_KSPT_L0_4504_N_20101218_5.PNG



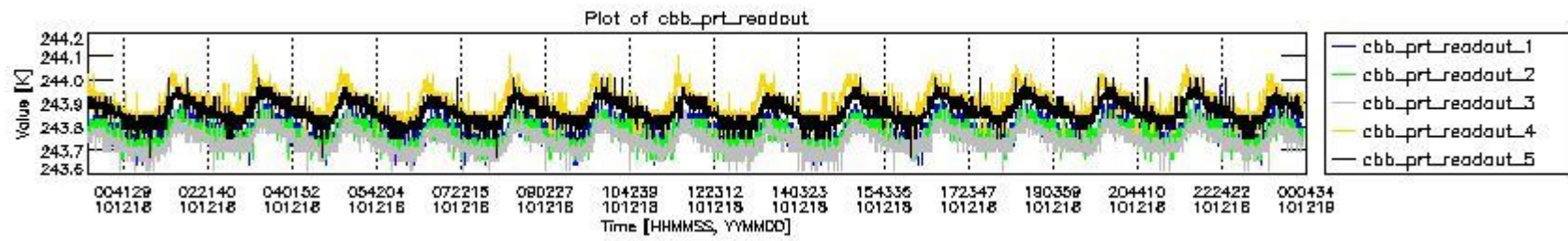
mipas_daily_report_level0_KSPT_L0_4504_N_20101218_6.PNG



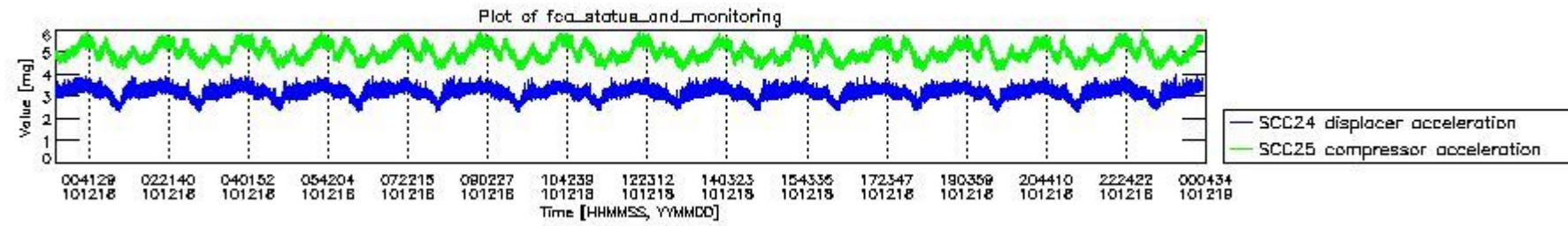
mipas_daily_report_level0_KSPT_L0_4504_N_20101218_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101218_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101218_9.PNG

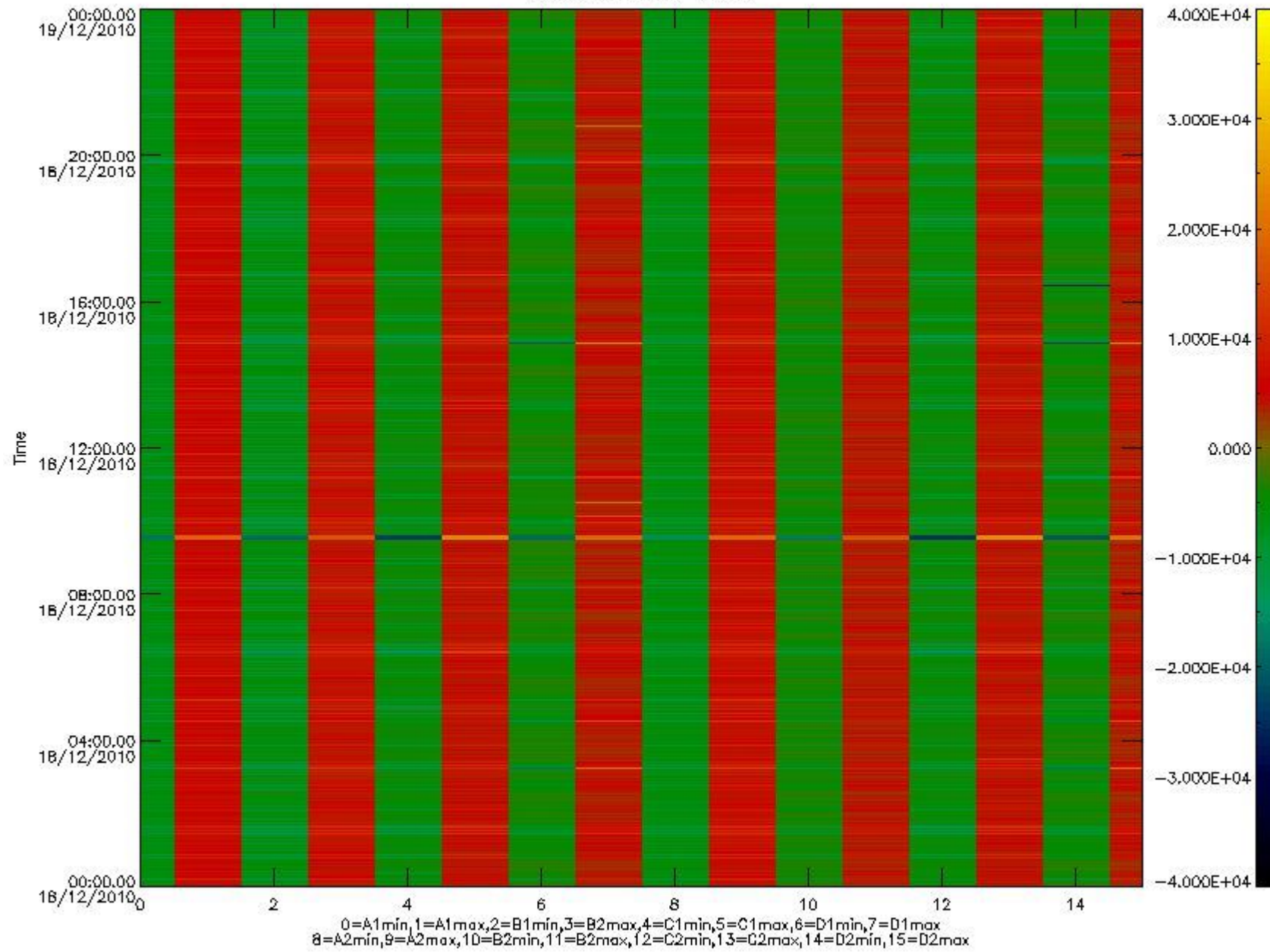


mipas_daily_report_level0_KSPT_L0_4504_N_20101218_10.PNG

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

Channel	Min	Max	ADC
A1	-18259	19390	16bit
B1	-20127	17350	16bit
C1	-31349	26489	16bit
D1	-32768	32767	16bit
A2	-15795	19525	16bit
B2	-18215	17847	16bit
C2	-28301	24935	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101218_11.PNG

0.3 ADF monitoring

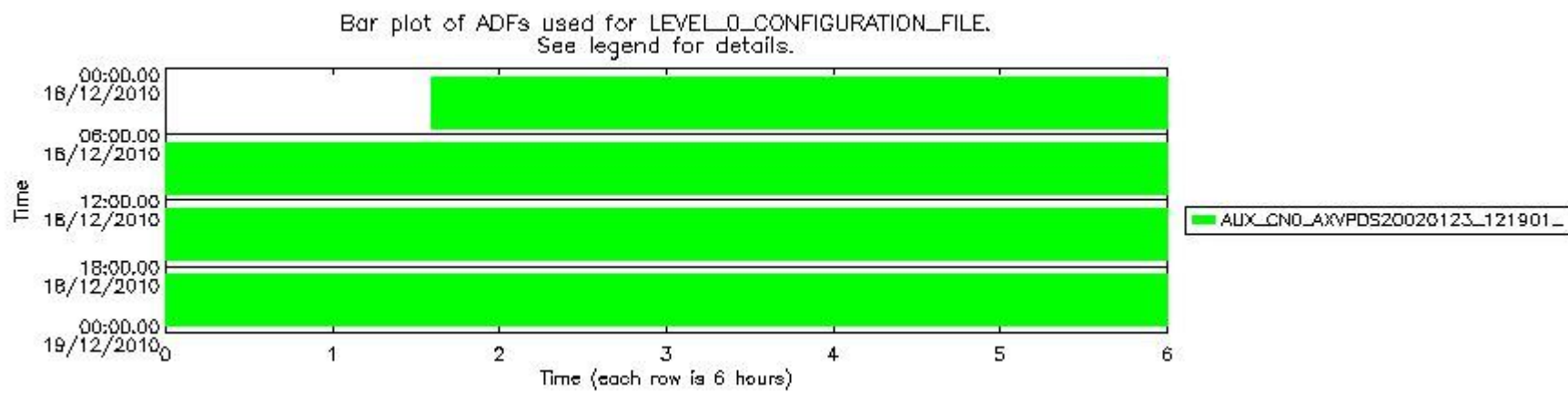
The use of ADFs is shown in two ways:

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.

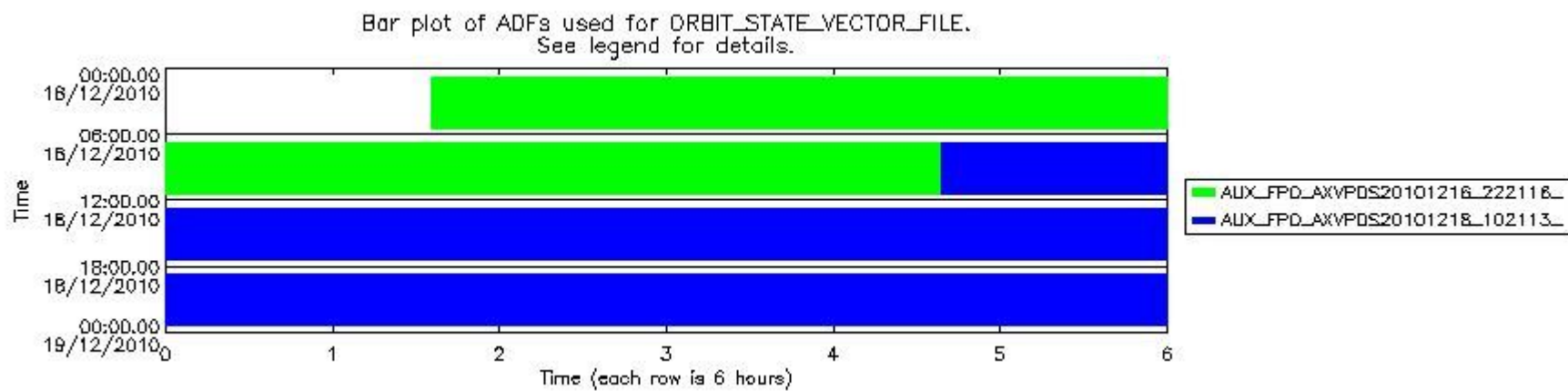
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101216_222116_20101216_112411_20101226_133805
2	AUX_FPO_AXVPDS20101218_102113_20101217_190837_20101227_212231

Number	Product name	#CN0	#FPO
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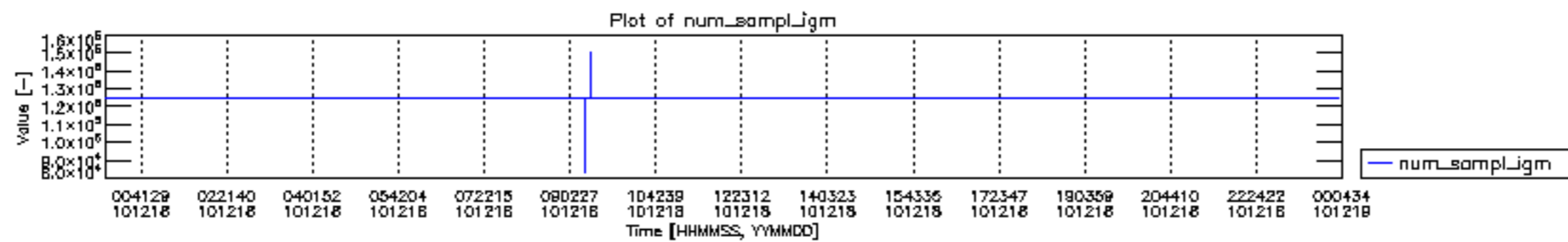
0	MIP_NL__0PNPDE20101218_013545_000044143097_00304_46008_2521.N1	0	1
1	MIP_NL__0PNPDE20101218_024845_000061963097_00305_46009_2522.N1	0	1
2	MIP_NL__0PNPDE20101218_043130_000060023097_00306_46010_2523.N1	0	1
3	MIP_NL__0PNPDK20101218_061059_000041263097_00307_46011_3712.N1	0	1
4	MIP_NL__0PNPDK20101218_071829_000060813097_00308_46012_3713.N1	0	1
5	MIP_NL__0PNPDK20101218_085825_000061163097_00309_46013_3714.N1	0	1
6	MIP_NL__0PNPDK20101218_103847_000059313097_00310_46014_3715.N1	0	2
7	MIP_NL__0PNPDK20101218_121633_000059983097_00311_46015_3716.N1	0	2
8	MIP_NL__0PNPDK20101218_135530_000059373097_00312_46016_3717.N1	0	2
9	MIP_NL__0PNPDK20101218_153354_000059353097_00313_46017_3718.N1	0	2
10	MIP_NL__0PNPDK20101218_171102_000059563097_00314_46018_3719.N1	0	2
11	MIP_NL__0PNPDK20101218_184913_000059163097_00315_46019_3720.N1	0	2
12	MIP_NL__0PNPDE20101218_202559_000045313097_00316_46020_2524.N1	0	2
13	MIP_NL__0PNPDE20101218_214033_000060443097_00316_46020_2525.N1	0	2
14	MIP_NL__0PNPDE20101218_232018_000061083097_00317_46021_2526.N1	0	2

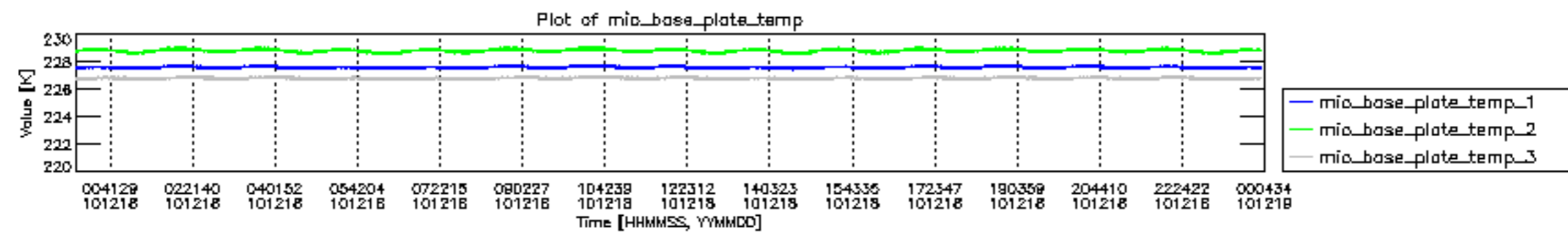


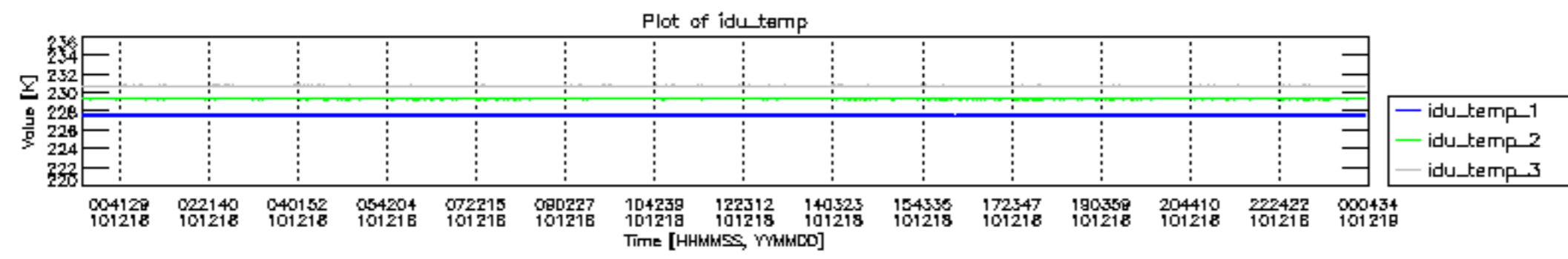
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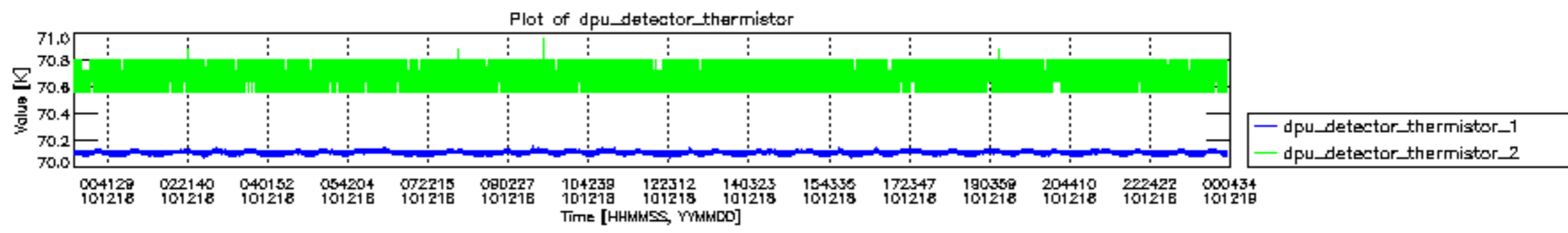


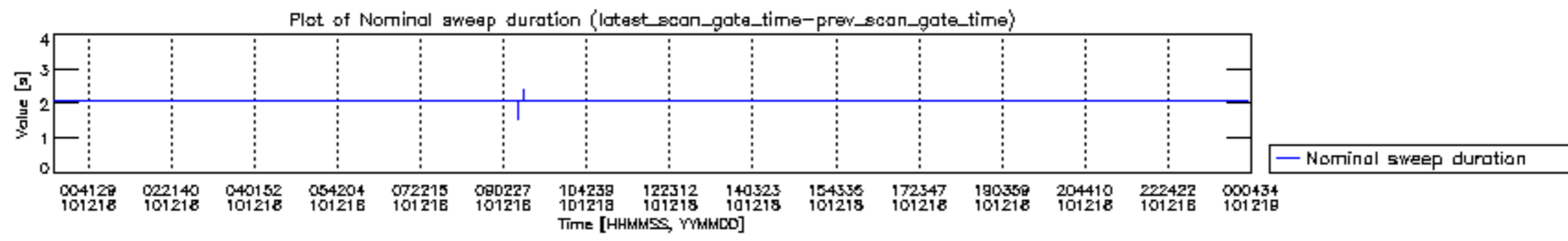
mipas_daily_report_level0_KSPT_L0_4504_N_20101218_13.PNG

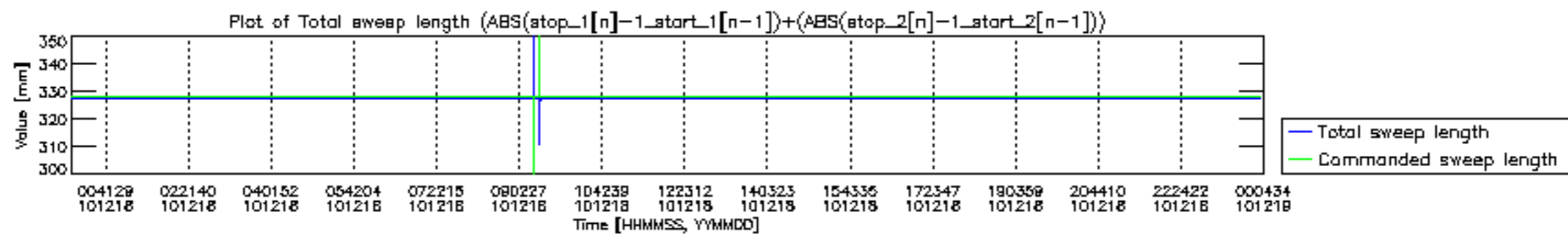


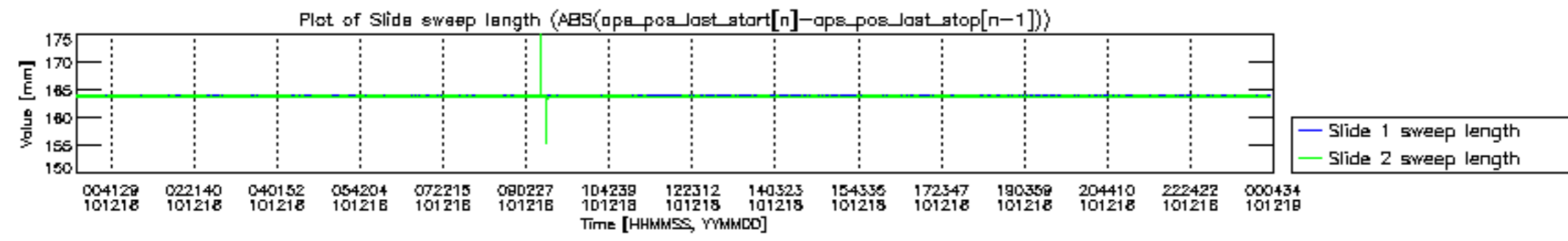


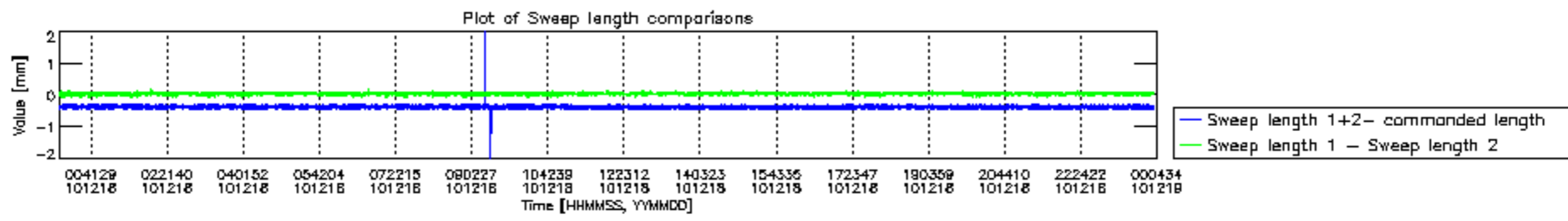


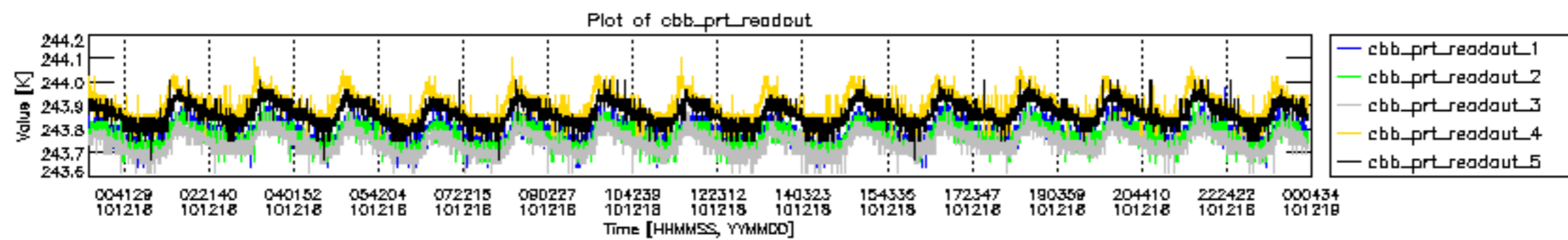


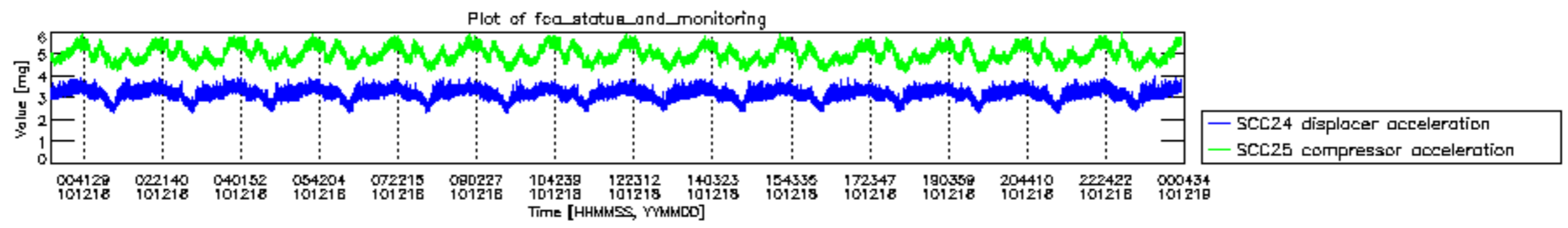












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

