

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	02JAN2011 05:21:02
Data source version	KSPT_L0/4504-N
Processing scope for products	28DEC2010 00:00:00 to 29DEC2010 00:00:00
Start time of first product within scope	28DEC2010 00:30:56
Stop time of last product within scope	29DEC2010 01:33:38
Total number of level 0 products	16
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__0PNPDE20101228_003056_000058493098_00016_46151_2607.N1	28DEC2010 00:30:56	28DEC2010 02:08:25	0	0	0	0	0
1	MIP_NL__0PNPDE20101228_020727_000045523098_00017_46152_2608.N1	28DEC2010 02:07:27	28DEC2010 03:23:18	0	0	0	0	0
2	MIP_NL__0PNPDE20101228_032245_000061353098_00018_46153_2609.N1	28DEC2010 03:22:45	28DEC2010 05:05:00	0	0	0	0	0
3	MIP_NL__0PNPDE20101228_050427_000060223098_00019_46154_2610.N1	28DEC2010 05:04:27	28DEC2010 06:44:49	0	0	0	0	0
4	MIP_NL__0PNPDK20101228_064415_000041373098_00020_46155_3798.N1	28DEC2010 06:44:15	28DEC2010 07:53:12	0	0	0	0	0
5	MIP_NL__0PNPDK20101228_075217_000060083098_00021_46156_3799.N1	28DEC2010 07:52:17	28DEC2010 09:32:25	0	0	0	0	0
6	MIP_NL__0PNPDK20101228_093049_000061313098_00022_46157_3800.N1	28DEC2010 09:30:49	28DEC2010 11:13:00	0	0	0	0	0
7	MIP_NL__0PNPDK20101228_111143_000059473098_00023_46158_3801.N1	28DEC2010 11:11:43	28DEC2010 12:50:50	0	0	0	0	0
8	MIP_NL__0PNPDK20101228_124914_000060773098_00024_46159_3802.N1	28DEC2010 12:49:14	28DEC2010 14:30:31	0	0	0	0	0
9	MIP_NL__0PNPDK20101228_142934_000058893098_00025_46160_3803.N1	28DEC2010 14:29:34	28DEC2010 16:07:43	0	0	0	0	0
10	MIP_NL__0PNPDK20101228_160702_000058433098_00026_46161_3804.N1	28DEC2010 16:07:02	28DEC2010 17:44:25	0	0	0	0	0
11	MIP_NL__0PNPDK20101228_174324_000060313098_00027_46162_3805.N1	28DEC2010 17:43:24	28DEC2010 19:23:55	0	0	0	0	0
12	MIP_NL__0PNPDK20101228_192200_000059623098_00028_46163_3806.N1	28DEC2010 19:22:00	28DEC2010 21:01:23	0	0	0	0	0
13	MIP_NL__0PNPDE20101228_205934_000044623098_00029_46164_2611.N1	28DEC2010 20:59:34	28DEC2010 22:13:56	0	0	0	0	0
14	MIP_NL__0PNPDE20101228_221228_000061923098_00029_46164_2612.N1	28DEC2010 22:12:28	28DEC2010 23:55:40	0	0	0	0	0
15	MIP_NL__0PNPDE20101228_235438_000059413098_00030_46165_2613.N1	28DEC2010 23:54:38	29DEC2010 01:33:38	0	0	0	0	0

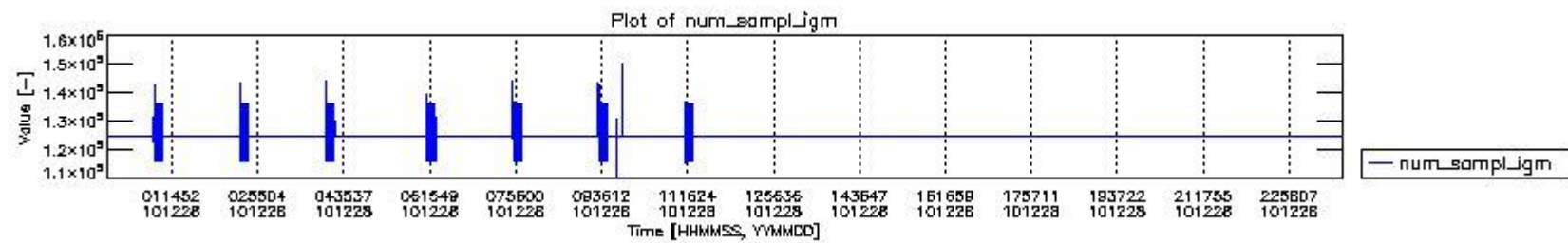
0.2 Instrument Operational Performance Parameters

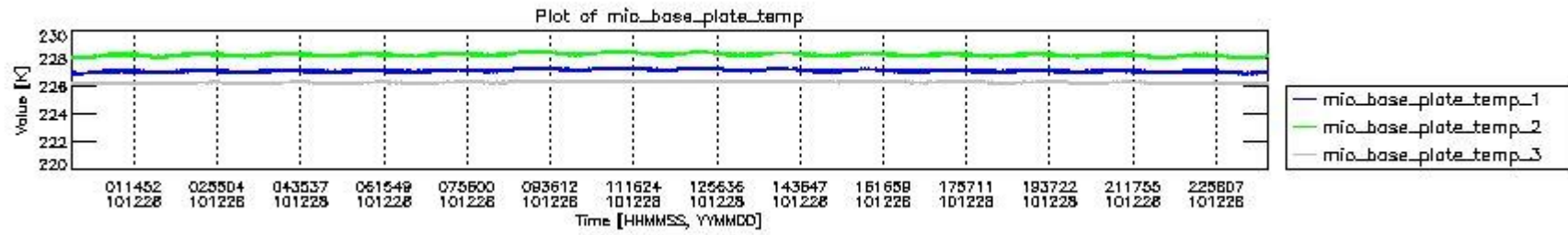
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

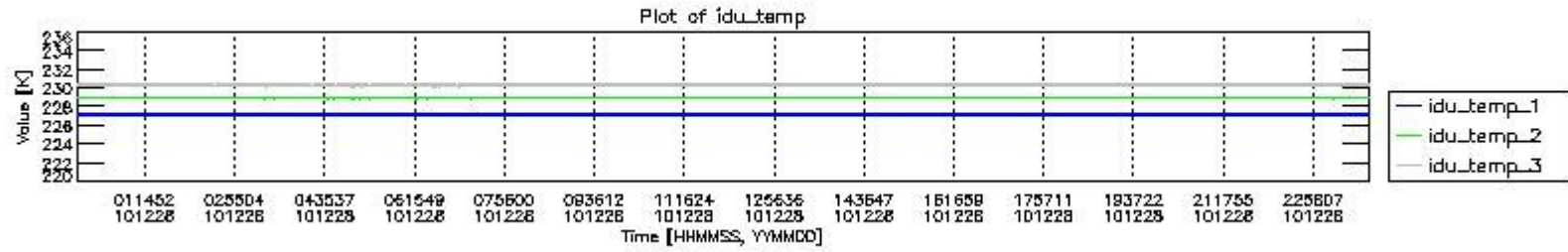
Number of igm samples	Count [#]	Count [%]
110209	1	0.0024014216
115264	2	0.0048028433

115750	1	0.0024014216
115933	1	0.0024014216
116008	18	0.043225590
116082	84	0.20171942
116156	16	0.038422746
116231	2	0.0048028433
116305	5	0.012007108
118907	1	0.0024014216
122847	1	0.0024014216
123442	1	0.0024014216
123516	1	0.0024014216
123814	2	0.0048028433
123962	1	0.0024014216
124800	38401	92.216992
124803	2831	6.7984247
125860	2	0.0048028433
127198	1	0.0024014216
127348	18	0.043225590
127456	1	0.0024014216
127496	84	0.20171942
127644	16	0.038422746
127794	2	0.0048028433
127942	5	0.012007108
130341	1	0.0024014216
133146	1	0.0024014216
135396	1	0.0024014216
136065	1	0.0024014216
136140	18	0.043225590
136214	84	0.20171942
136288	16	0.038422746
136363	2	0.0048028433
136437	5	0.012007108
139039	1	0.0024014216
141026	1	0.0024014216
142216	1	0.0024014216
142364	1	0.0024014216
142960	2	0.0048028433
142979	1	0.0024014216
143256	1	0.0024014216
143574	1	0.0024014216
143648	1	0.0024014216
143946	2	0.0048028433
144094	1	0.0024014216
147588	1	0.0024014216
150244	1	0.0024014216

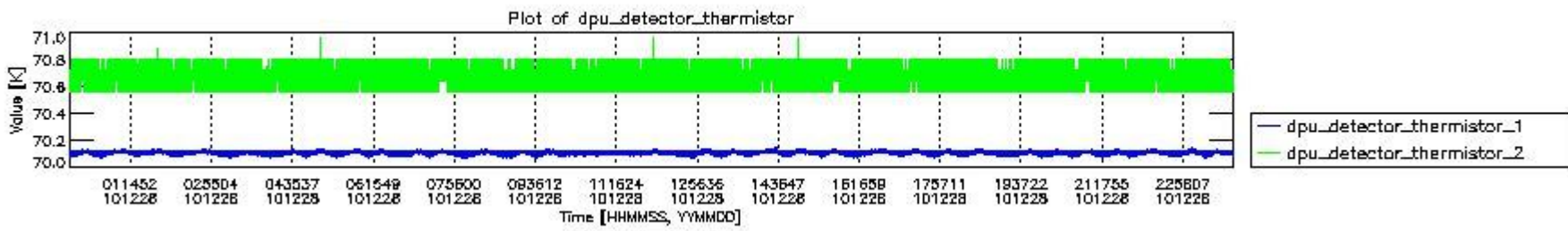




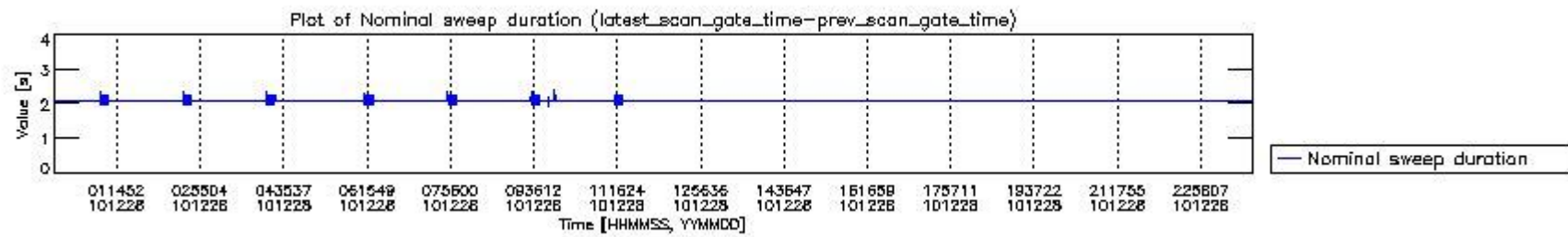
mipas_daily_report_level0_KSPT_L0_4504_N_20101228_1.PNG



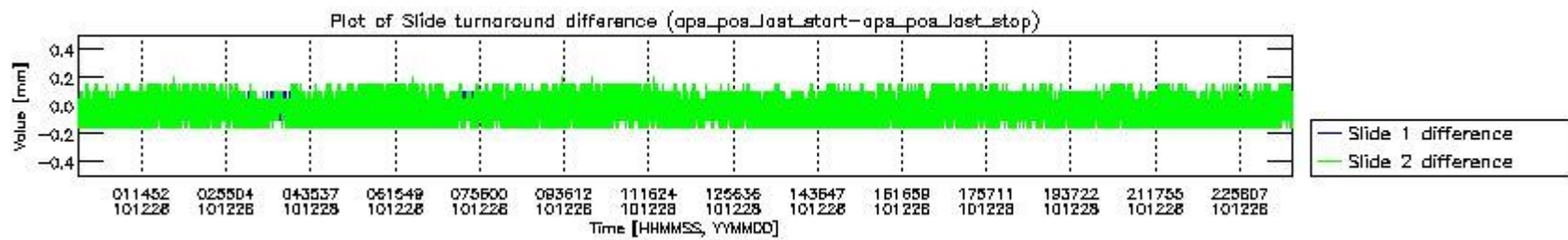
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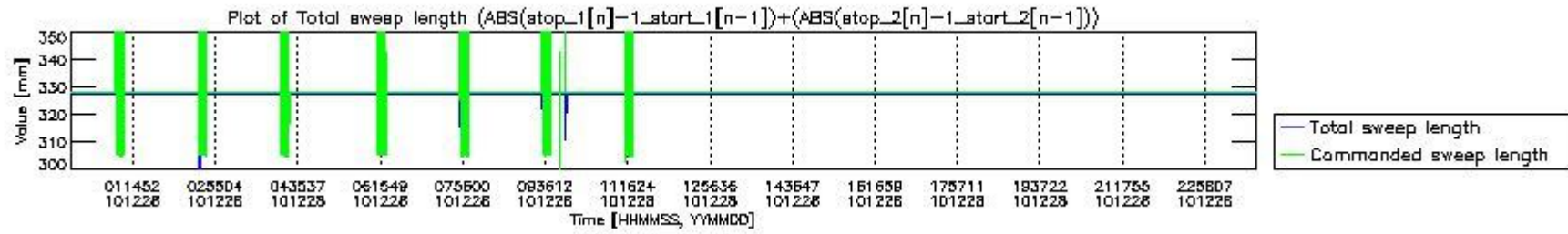
mipas_daily_report_level0_KSPT_L0_4504_N_20101228_3.PNG



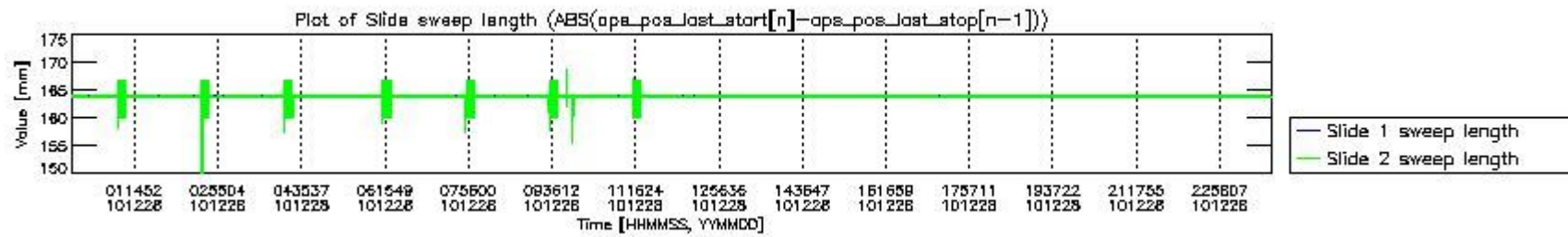
mipas_daily_report_level0_KSPT_L0_4504_N_20101228_4.PNG



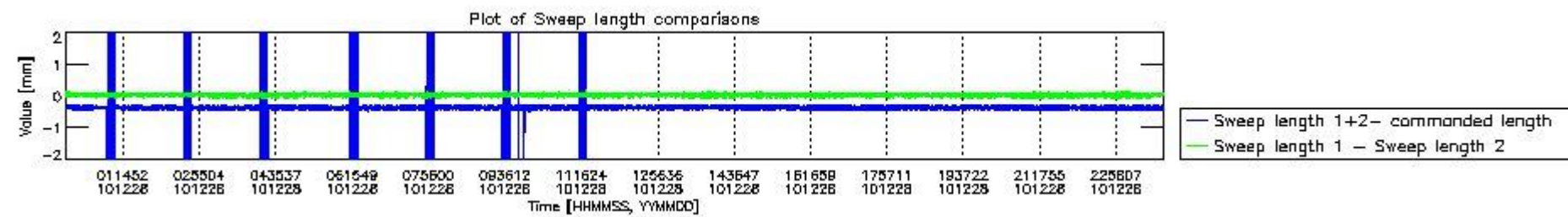
mipas_daily_report_level0_KSPT_L0_4504_N_20101228_5.PNG



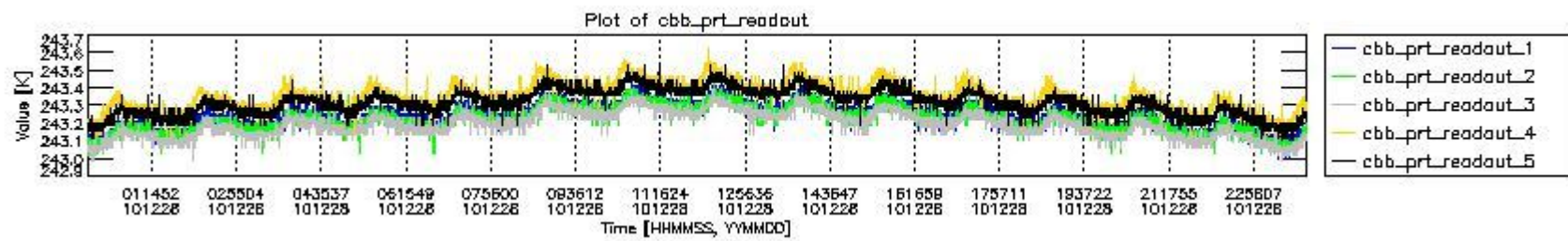
mipas_daily_report_level0_KSPT_L0_4504_N_20101228_6.PNG



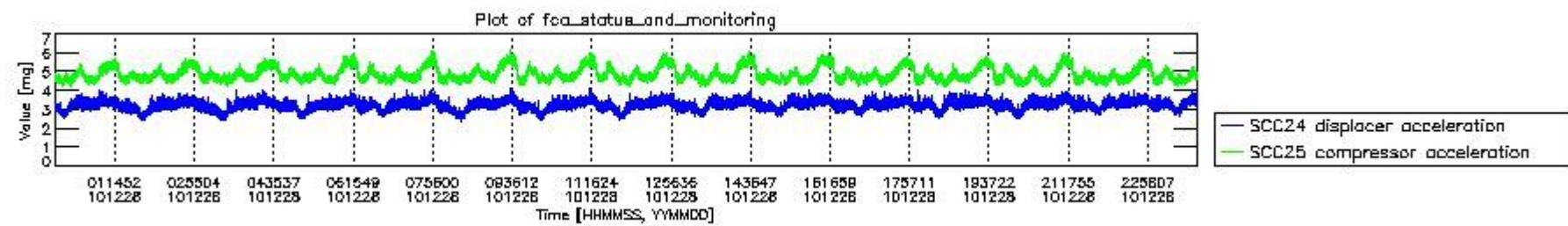
mipas_daily_report_level0_KSPT_L0_4504_N_20101228_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101228_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101228_9.PNG

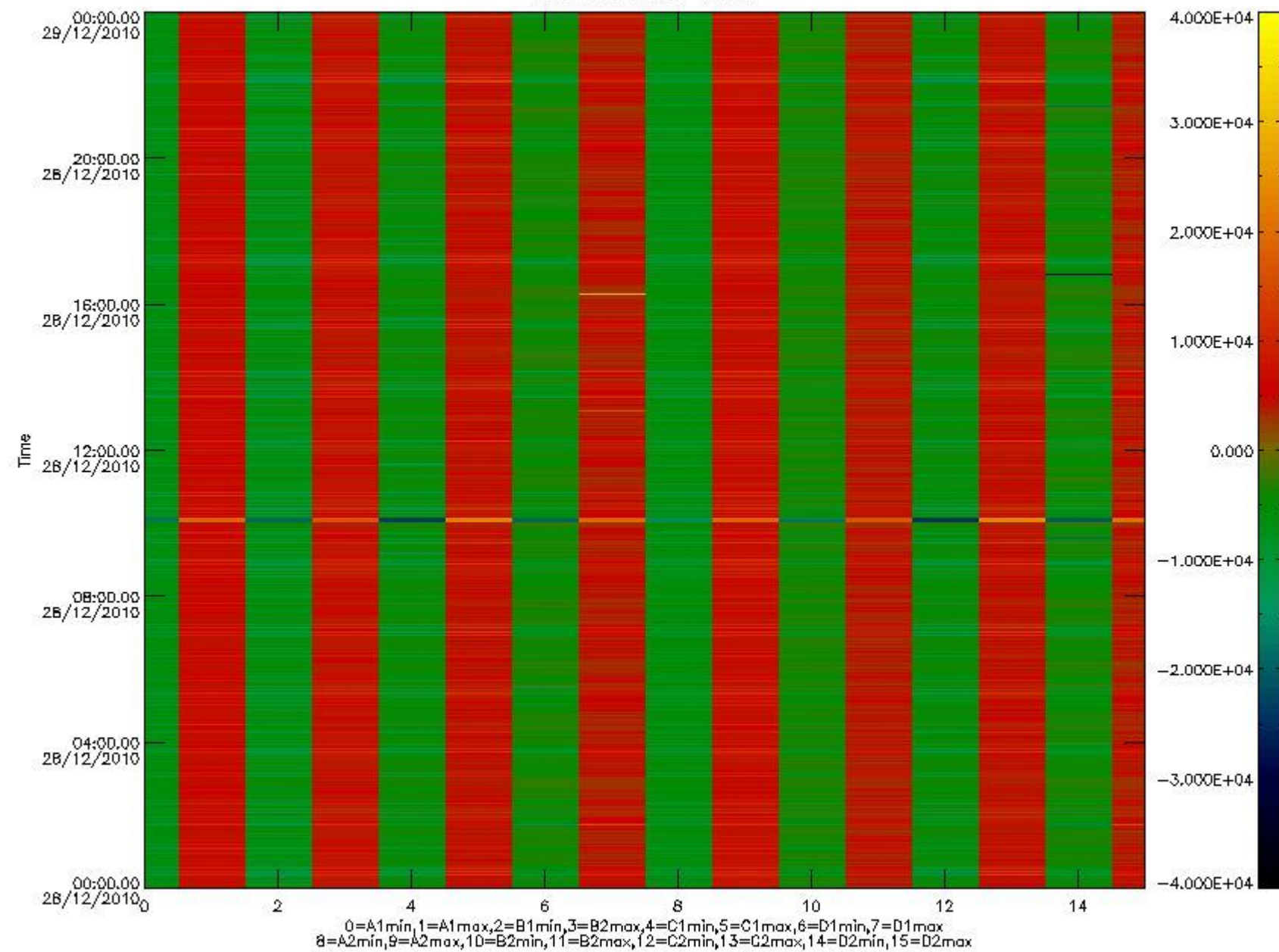


mipas_daily_report_level0_KSPT_L0_4504_N_20101228_10.PNG

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

Channel	Min	Max	ADC
A1	-18086	19209	16bit
B1	-19826	17126	16bit
C1	-23680	23506	16bit
D1	-26469	32767	16bit
A2	-15657	19329	16bit
B2	-17922	17554	16bit
C2	-24652	32767	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_20101228_11.PNG

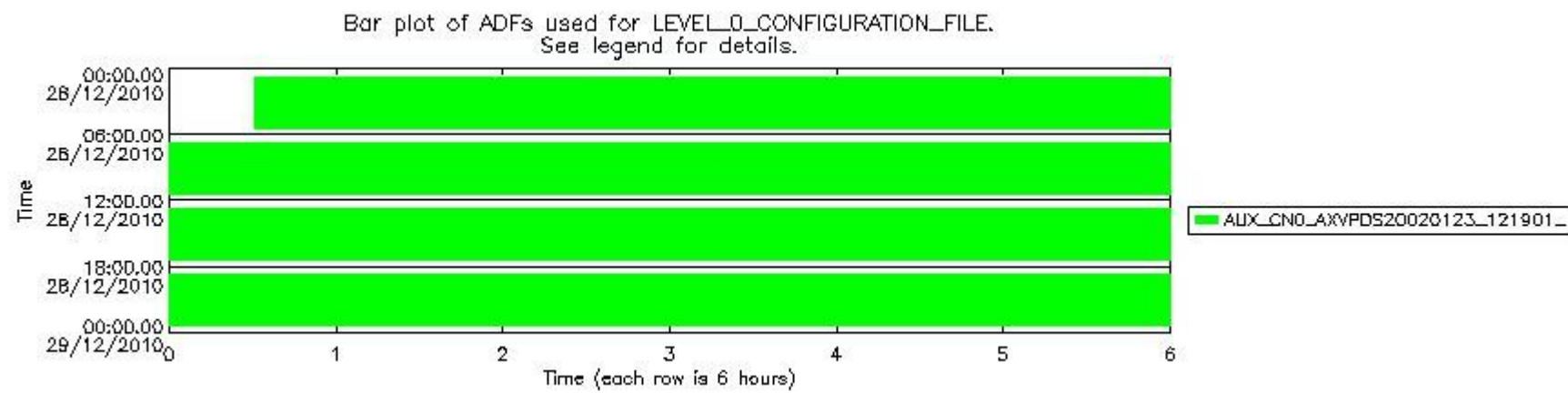
0.3 ADF monitoring

The use of ADFs is shown in two ways:

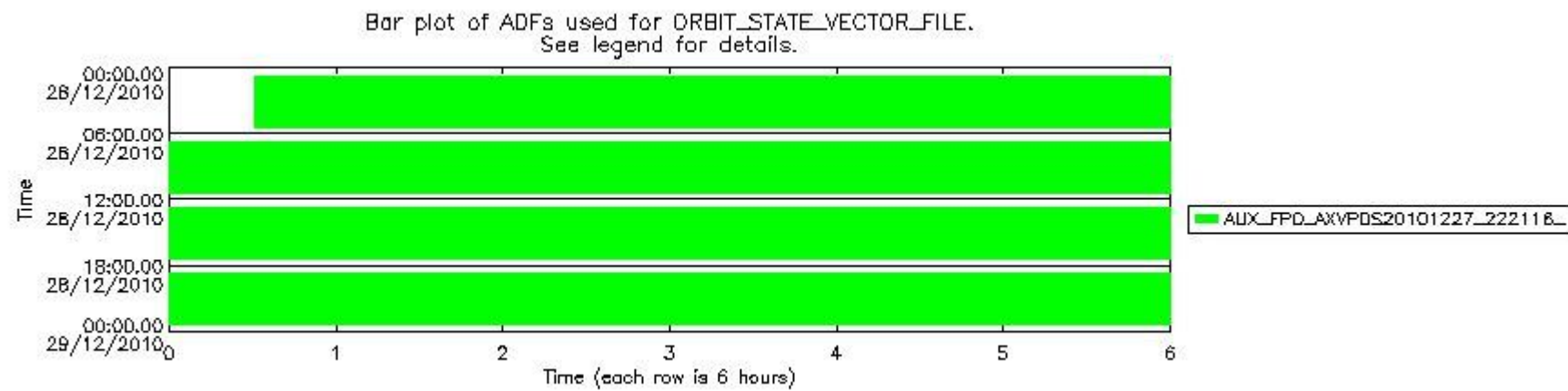
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101227_222116_20101227_194217_20110106_201556

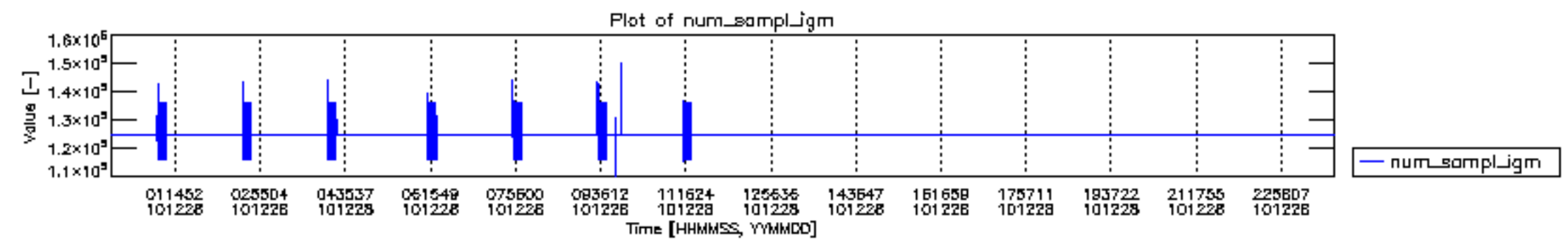
Number	Product name	#CNO	#FPO
0	MIP_NL_0PNPDE20101228_003056_000058493098_00016_46151_2607.N1	0	1
1	MIP_NL_0PNPDE20101228_020727_000045523098_00017_46152_2608.N1	0	1
2	MIP_NL_0PNPDE20101228_032245_000061353098_00018_46153_2609.N1	0	1
3	MIP_NL_0PNPDE20101228_050427_000060223098_00019_46154_2610.N1	0	1
4	MIP_NL_0PNPDK20101228_064415_000041373098_00020_46155_3798.N1	0	1
5	MIP_NL_0PNPDK20101228_075217_000060083098_00021_46156_3799.N1	0	1
6	MIP_NL_0PNPDK20101228_093049_000061313098_00022_46157_3800.N1	0	1
7	MIP_NL_0PNPDK20101228_111143_000059473098_00023_46158_3801.N1	0	1
8	MIP_NL_0PNPDK20101228_124914_000060773098_00024_46159_3802.N1	0	1
9	MIP_NL_0PNPDK20101228_142934_000058893098_00025_46160_3803.N1	0	1
10	MIP_NL_0PNPDK20101228_160702_000058433098_00026_46161_3804.N1	0	1
11	MIP_NL_0PNPDK20101228_174324_000060313098_00027_46162_3805.N1	0	1
12	MIP_NL_0PNPDK20101228_192200_000059623098_00028_46163_3806.N1	0	1
13	MIP_NL_0PNPDE20101228_205934_000044623098_00029_46164_2611.N1	0	1
14	MIP_NL_0PNPDE20101228_221228_000061923098_00029_46164_2612.N1	0	1
15	MIP_NL_0PNPDE20101228_235438_000059413098_00030_46165_2613.N1	0	1

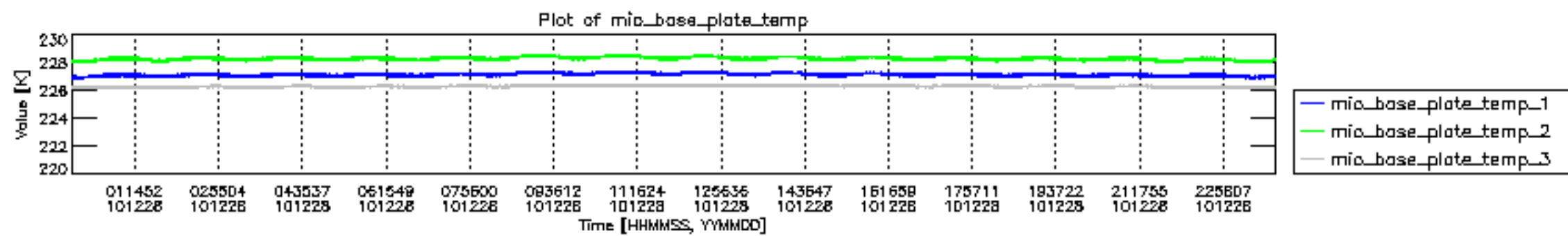


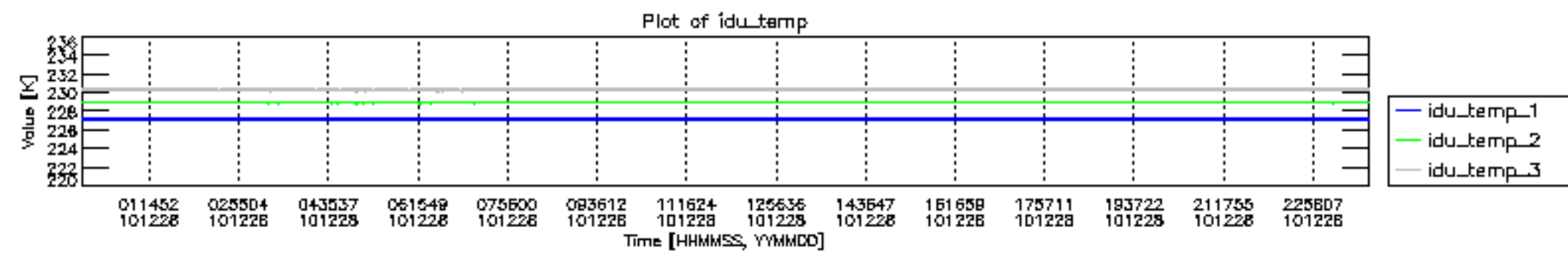
mipas_daily_report_level0_KSPT_L0_4504_N_20101228_12.PNG

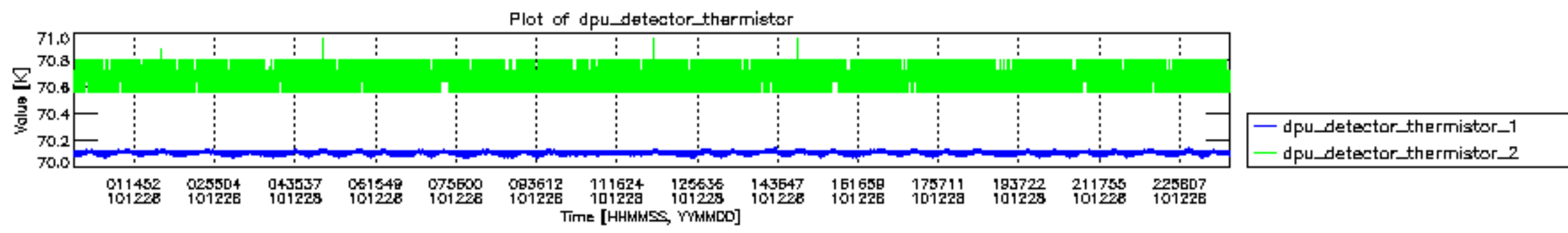


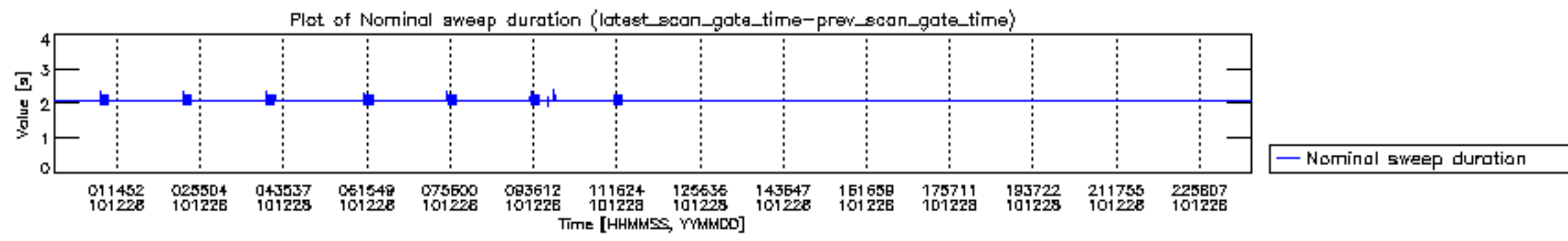
mipas_daily_report_level0_KSPT_L0_4504_N_20101228_13.PNG

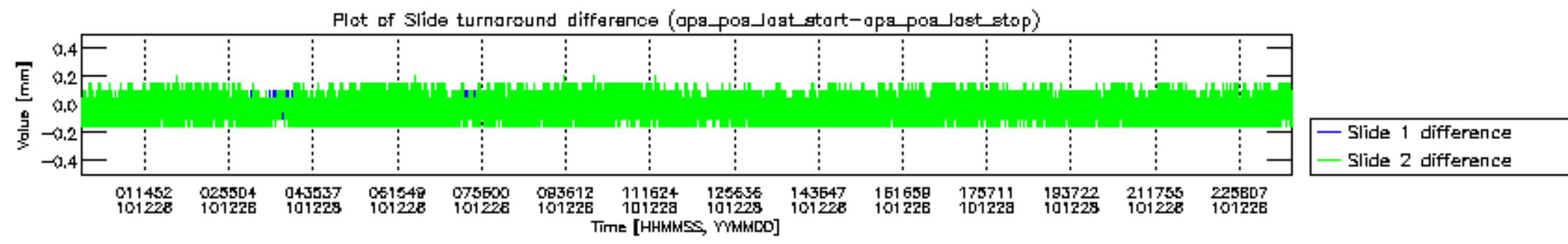


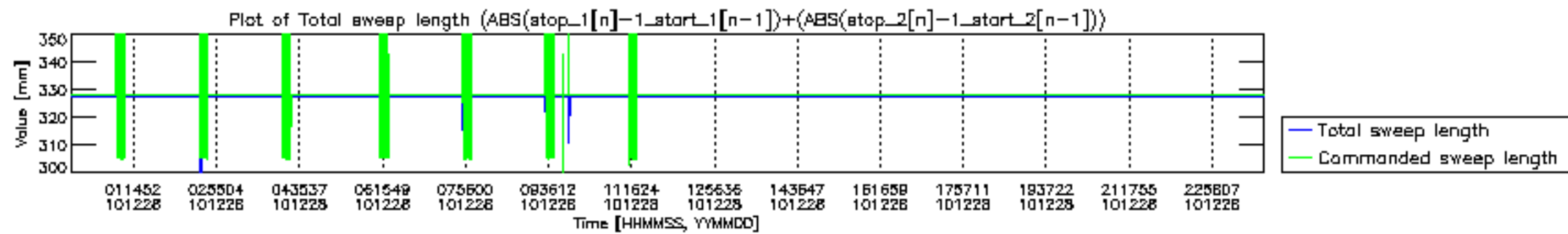


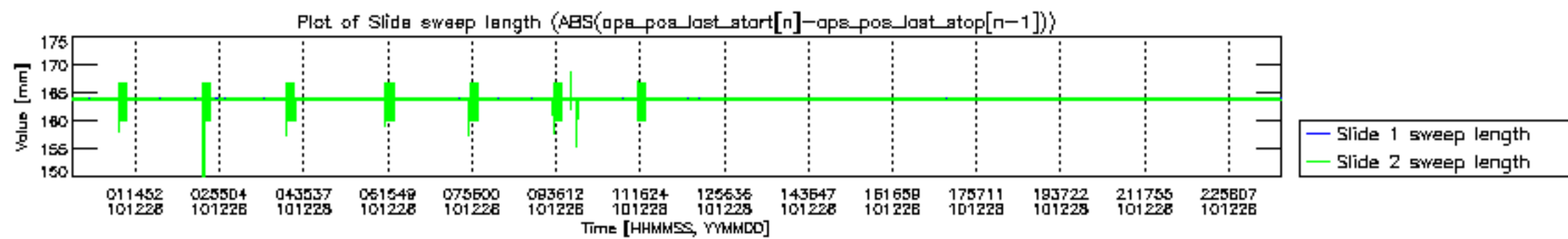


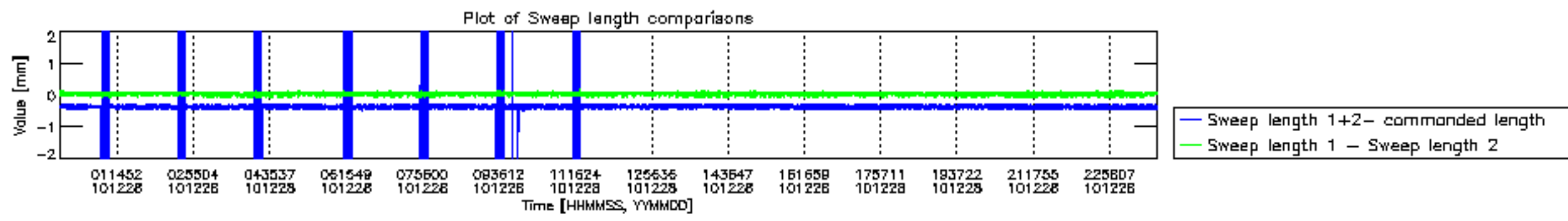


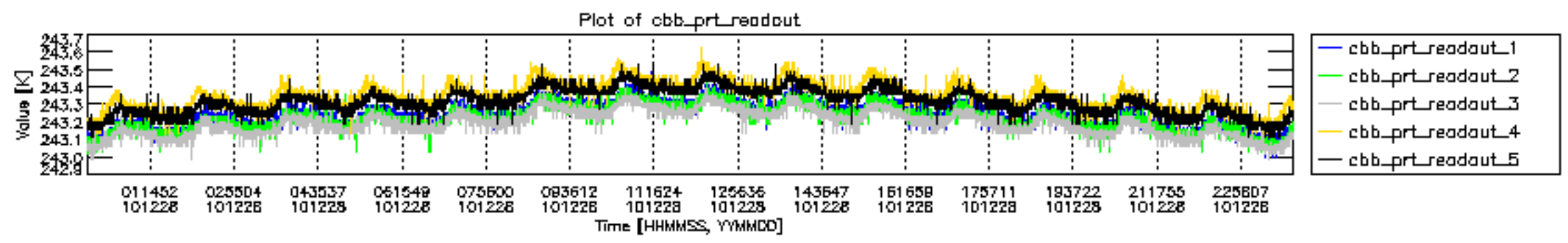


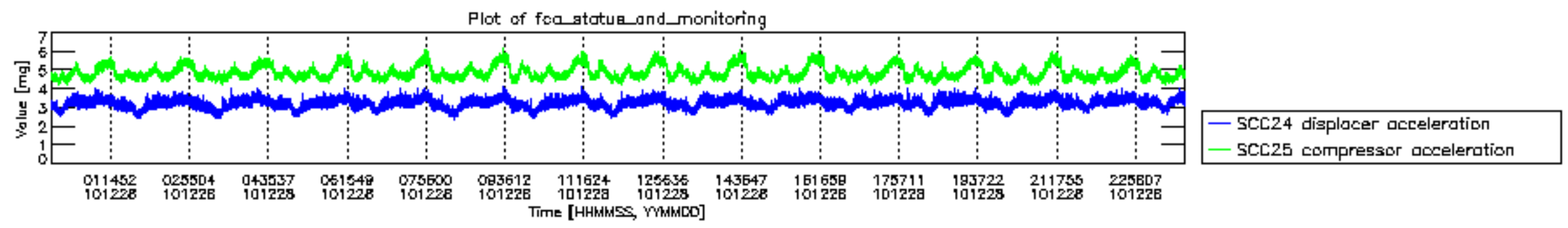












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

