

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	17DEC2010 05:25:54
Data source version	KSPT_L0/4504-N
Processing scope for products	14DEC2010 00:00:00 to 15DEC2010 00:00:00
Start time of first product within scope	14DEC2010 00:45:16
Stop time of last product within scope	15DEC2010 00:09:01
Total number of level 0 products	10
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.

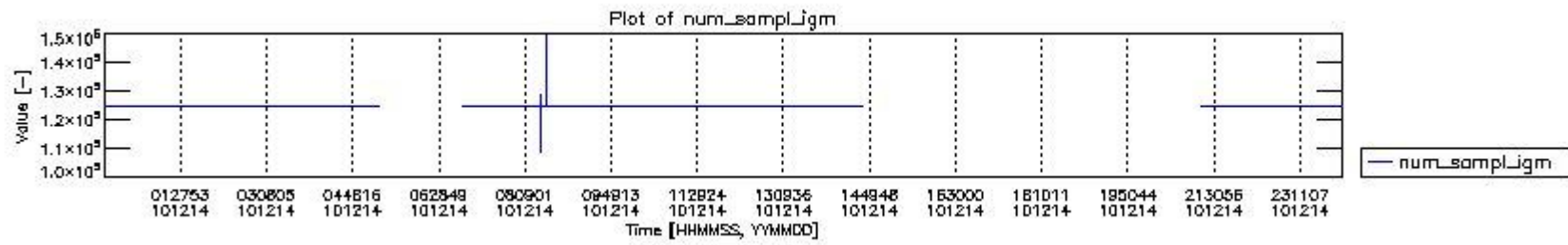
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20101214_004516_000058013097_00246_45950_2495.N1	14DEC2010 00:45:16	14DEC2010 02:21:57	0	0	0	0	0
1	MIP_NL__0PNPDE20101214_022059_000045233097_00247_45951_2496.N1	14DEC2010 02:20:59	14DEC2010 03:36:22	0	0	0	0	0
2	MIP_NL__0PNPDE20101214_033546_000061713097_00248_45952_2497.N1	14DEC2010 03:35:46	14DEC2010 05:18:37	0	0	0	0	0
3	MIP_NL__0PNPDK20101214_065705_000041223097_00250_45954_3559.N1	14DEC2010 06:57:05	14DEC2010 08:05:47	0	0	0	0	0
4	MIP_NL__0PNPDK20101214_080449_000059923097_00251_45955_3560.N1	14DEC2010 08:04:49	14DEC2010 09:44:40	0	0	0	0	0
5	MIP_NL__0PNPDK20101214_094302_000061023097_00252_45956_3561.N1	14DEC2010 09:43:02	14DEC2010 11:24:44	0	0	0	0	0
6	MIP_NL__0PNPDK20101214_112308_000061103097_00253_45957_3562.N1	14DEC2010 11:23:08	14DEC2010 13:04:59	0	0	0	0	0
7	MIP_NL__0PNPDK20101214_130400_000059273097_00254_45958_3564.N1	14DEC2010 13:04:00	14DEC2010 14:42:47	0	0	0	0	0
8	MIP_NL__0PNPDE20101214_211554_000042783097_00259_45963_2499.N1	14DEC2010 21:15:54	14DEC2010 22:27:13	0	0	0	0	0
9	MIP_NL__0PNPDE20101214_222616_000061653097_00259_45963_2500.N1	14DEC2010 22:26:16	15DEC2010 00:09:01	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

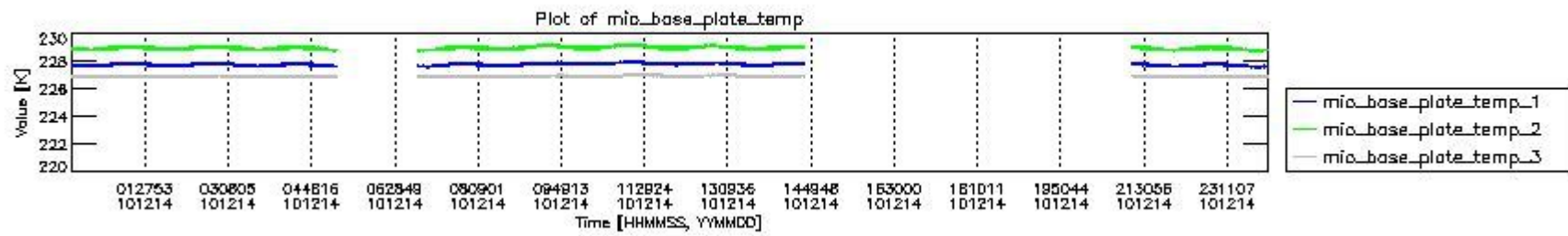
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

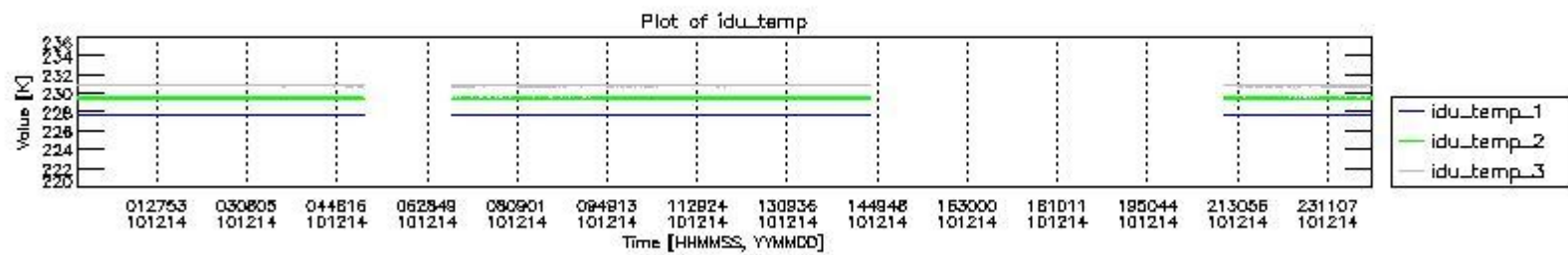
Number of igm samples	Count [#]	Count [%]
108574	1	0.0036469730
112480	1	0.0036469730
124800	25472	92.895697
124803	1942	7.0824216
127159	1	0.0036469730
128706	1	0.0036469730
147291	1	0.0036469730
149650	1	0.0036469730



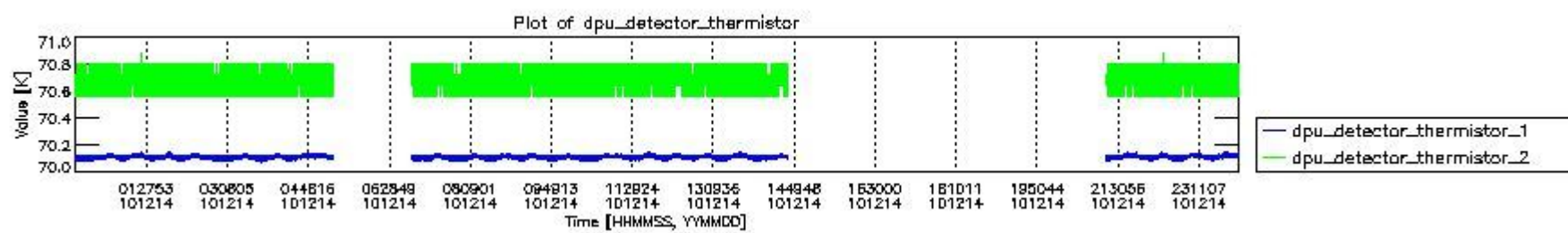
mipas_daily_report_level0_KSPT_L0_4504_N_20101214_0.PNG



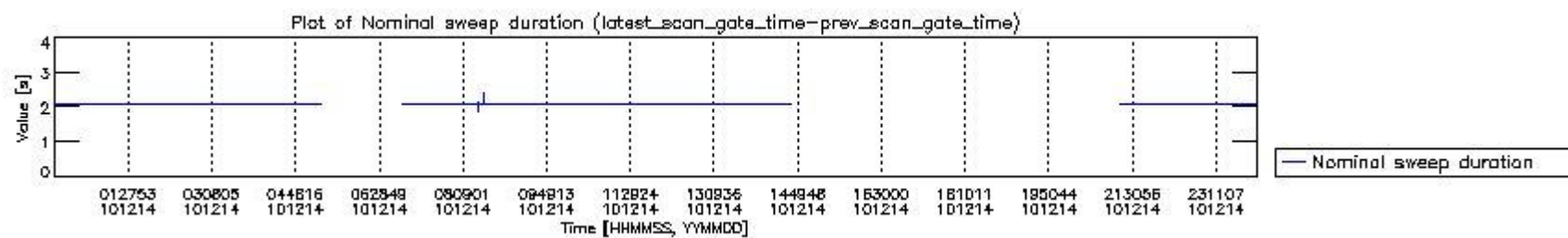
mipas_daily_report_level0_KSPT_L0_4504_N_20101214_1.PNG



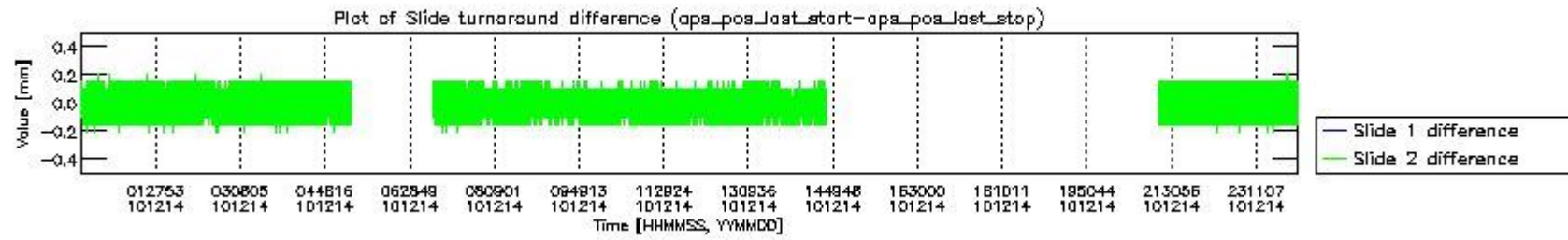
mipas_daily_report_level0_KSPT_L0_4504_N_20101214_2.PNG



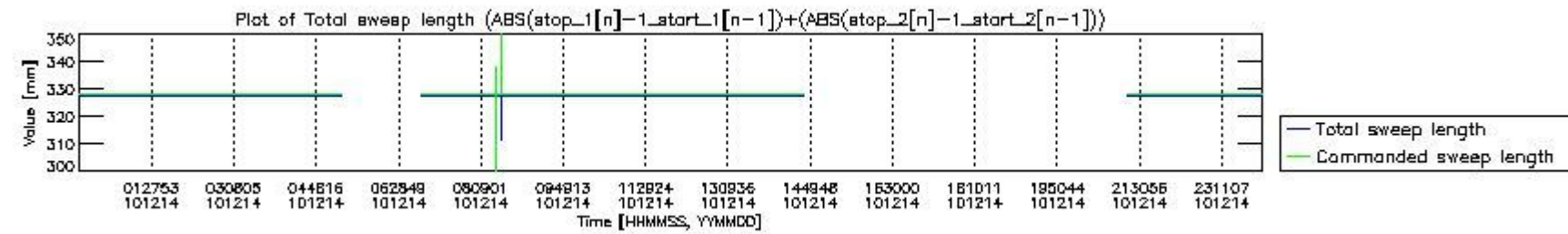
mipas_daily_report_level0_KSPT_L0_4504_N_20101214_3.PNG



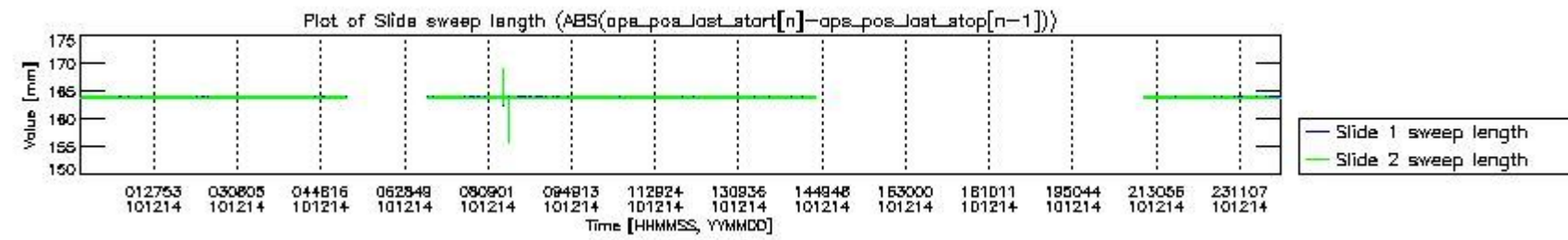
mipas_daily_report_level0_KSPT_L0_4504_N_20101214_4.PNG



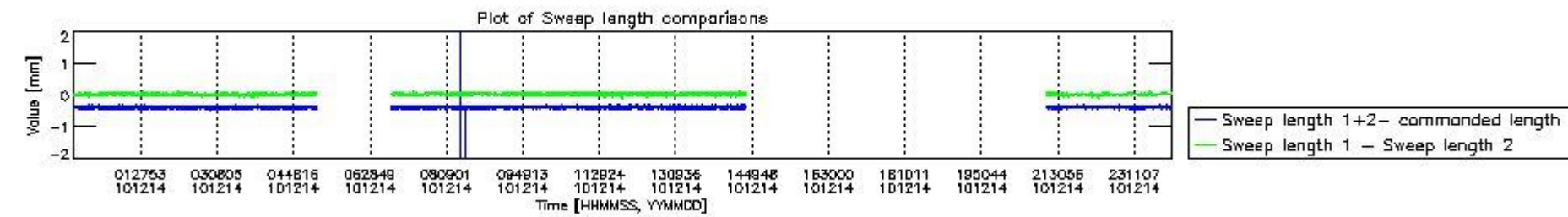
mipas_daily_report_level0_KSPT_L0_4504_N_20101214_5.PNG



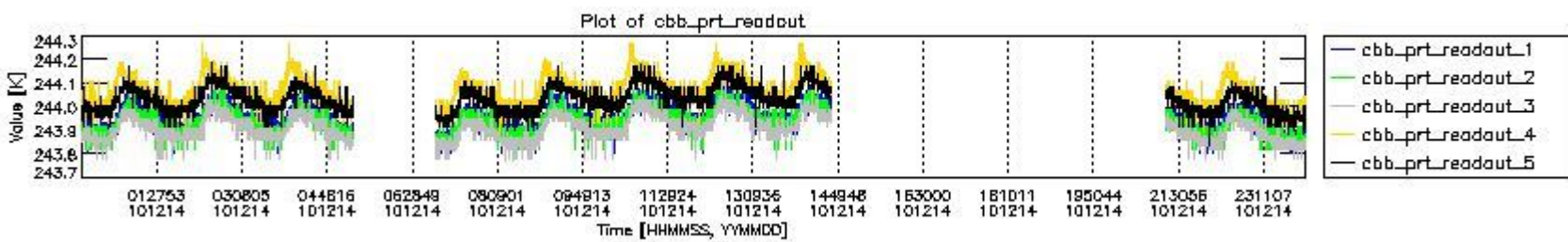
mipas_daily_report_level0_KSPT_L0_4504_N_20101214_6.PNG



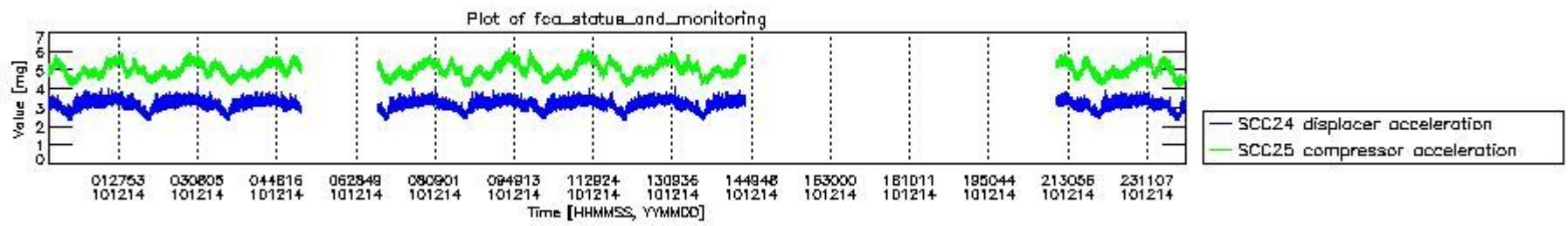
mipas_daily_report_level0_KSPT_L0_4504_N_20101214_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101214_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101214_9.PNG

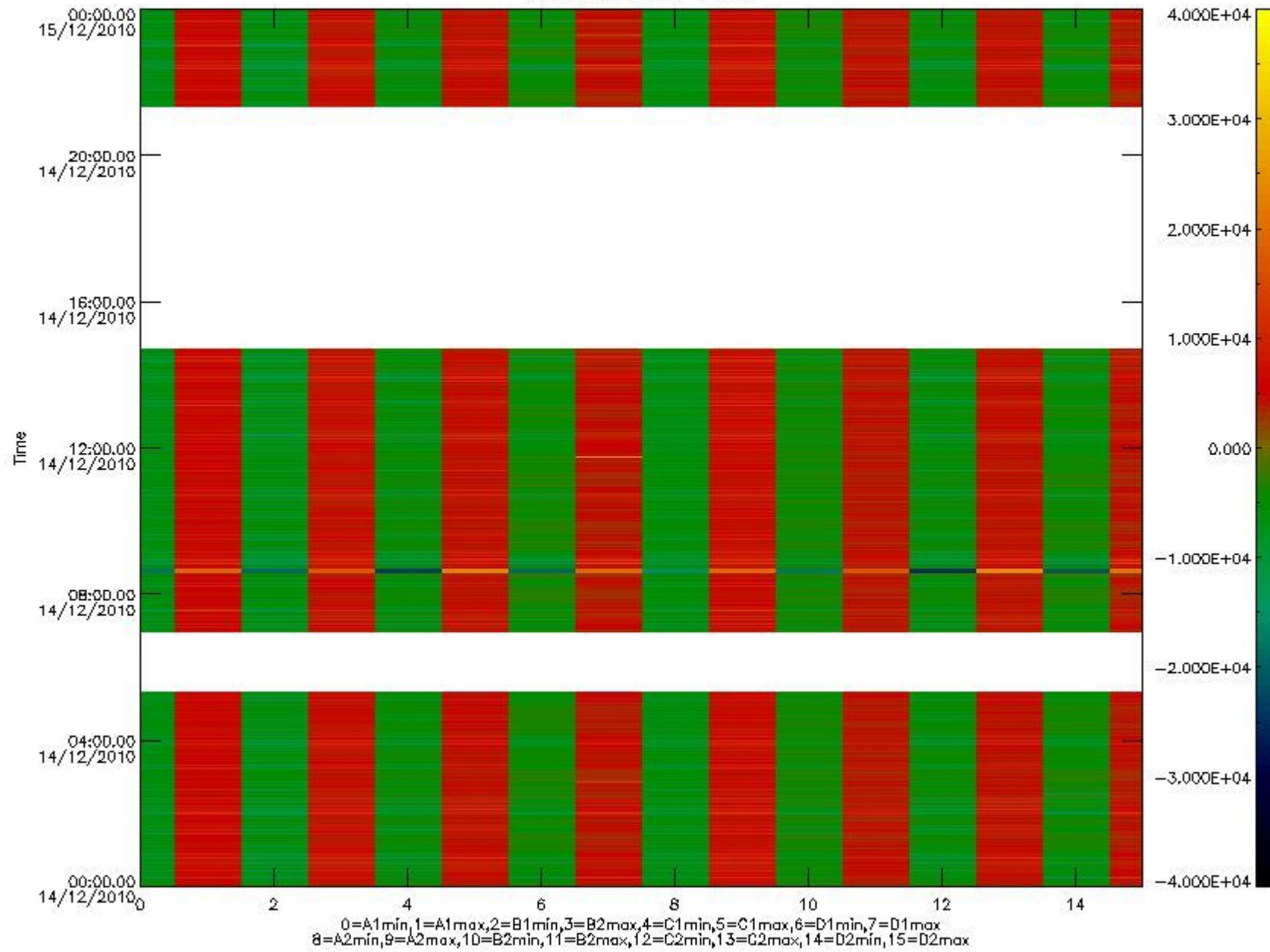


mipas_daily_report_level0_KSPT_L0_4504_N_20101214_10.PNG

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

Channel	Min	Max	ADC
A1	-18303	19467	16bit
B1	-20183	17386	16bit
C1	-24715	24201	16bit
D1	-29804	32396	16bit
A2	-15820	19570	16bit
B2	-18278	17901	16bit
C2	-25316	24874	16bit
D2	-32768	32420	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101214_11.PNG

0.3 ADF monitoring

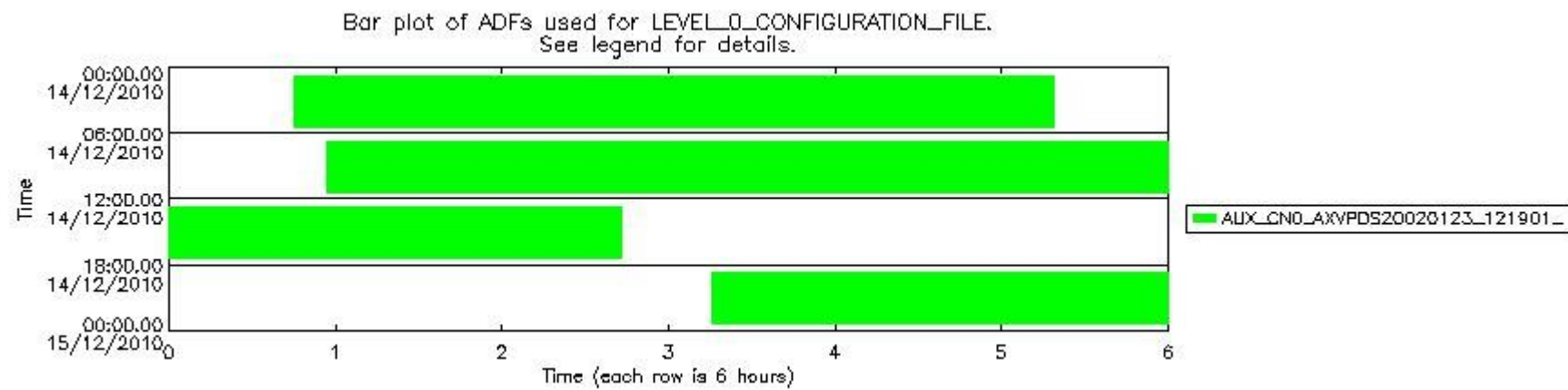
The use of ADFs is shown in two ways:

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.

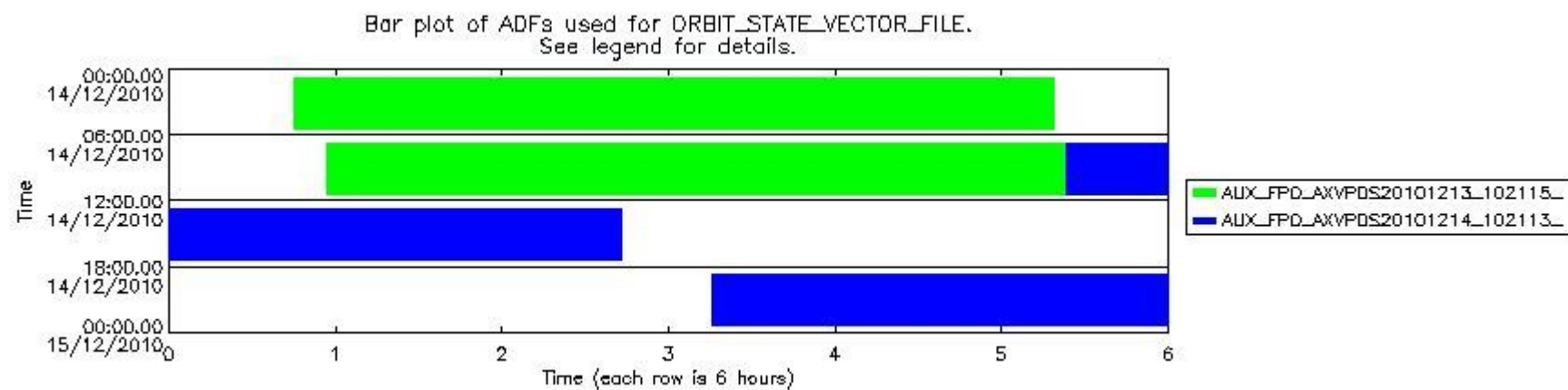
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101213_102115_20101212_185148_20101222_210541
2	AUX_FPO_AXVPDS20101214_102113_20101213_195518_20101223_202857

Number	Product name	#CN0	#FPO
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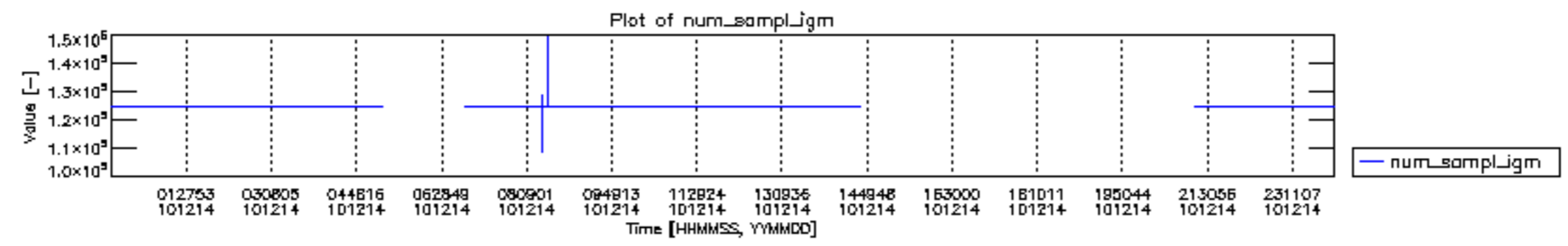
0	MIP_NL__0PNPDE20101214_004516_000058013097_00246_45950_2495.N1	0	1
1	MIP_NL__0PNPDE20101214_022059_000045233097_00247_45951_2496.N1	0	1
2	MIP_NL__0PNPDE20101214_033546_000061713097_00248_45952_2497.N1	0	1
3	MIP_NL__0PNPDK20101214_065705_000041223097_00250_45954_3559.N1	0	1
4	MIP_NL__0PNPDK20101214_080449_000059923097_00251_45955_3560.N1	0	1
5	MIP_NL__0PNPDK20101214_094302_000061023097_00252_45956_3561.N1	0	1
6	MIP_NL__0PNPDK20101214_112308_000061103097_00253_45957_3562.N1	0	2
7	MIP_NL__0PNPDK20101214_130400_000059273097_00254_45958_3564.N1	0	2
8	MIP_NL__0PNPDE20101214_211554_000042783097_00259_45963_2499.N1	0	2
9	MIP_NL__0PNPDE20101214_222616_000061653097_00259_45963_2500.N1	0	2

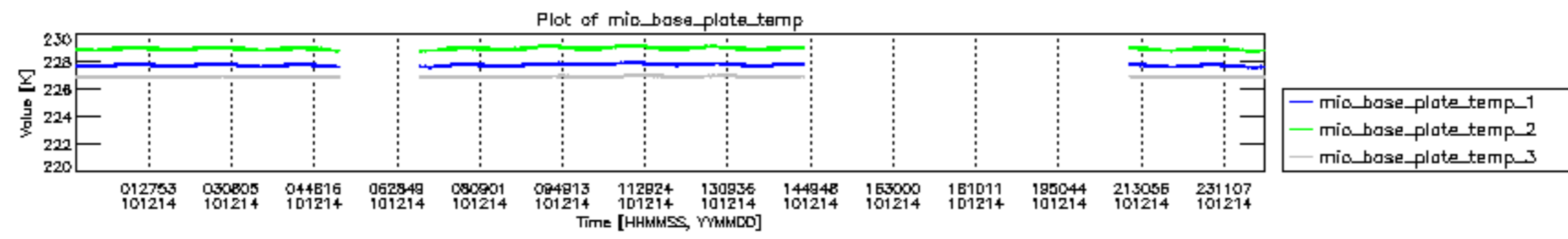


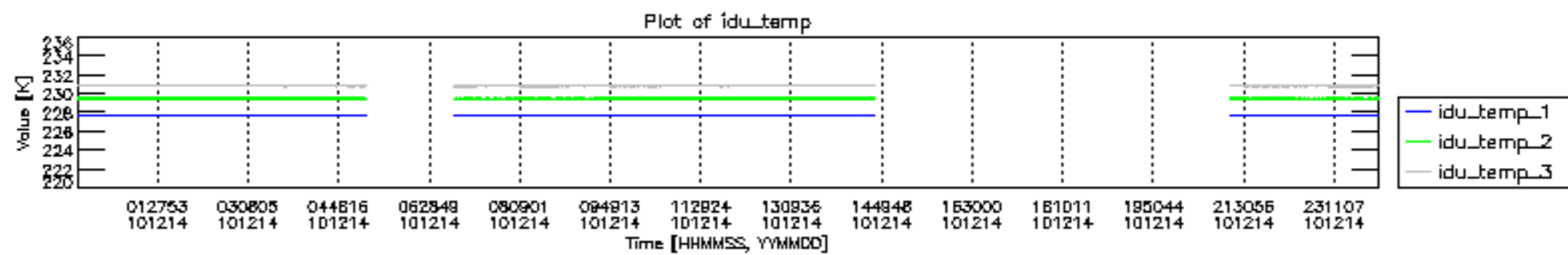
mipas_daily_report_level0_KSPT_L0_4504_N_20101214_12.PNG

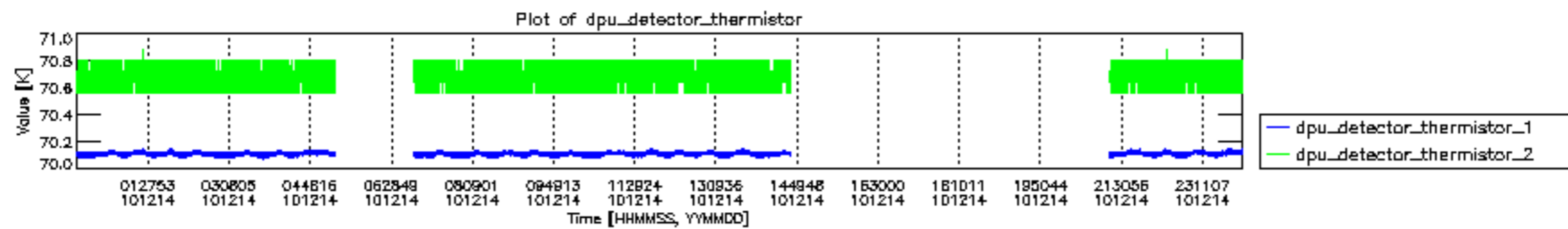


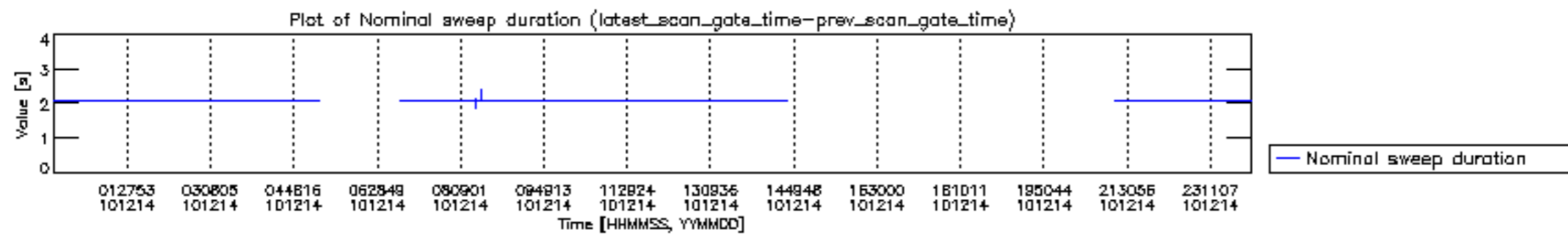
mipas_daily_report_level0_KSPT_L0_4504_N_20101214_13.PNG

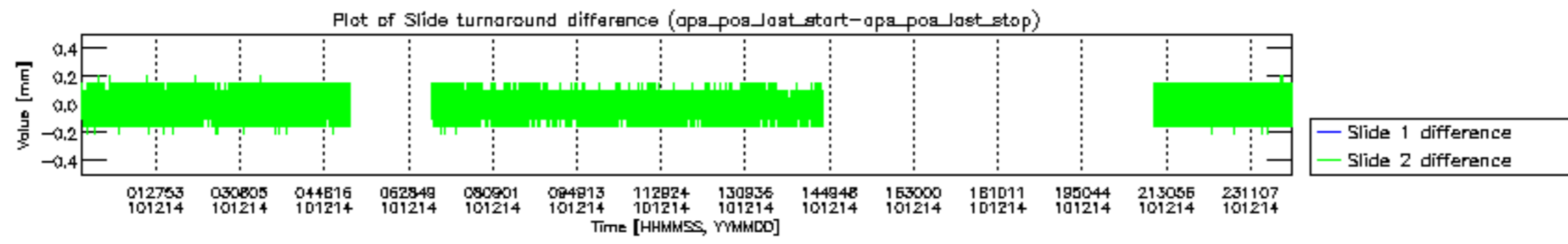


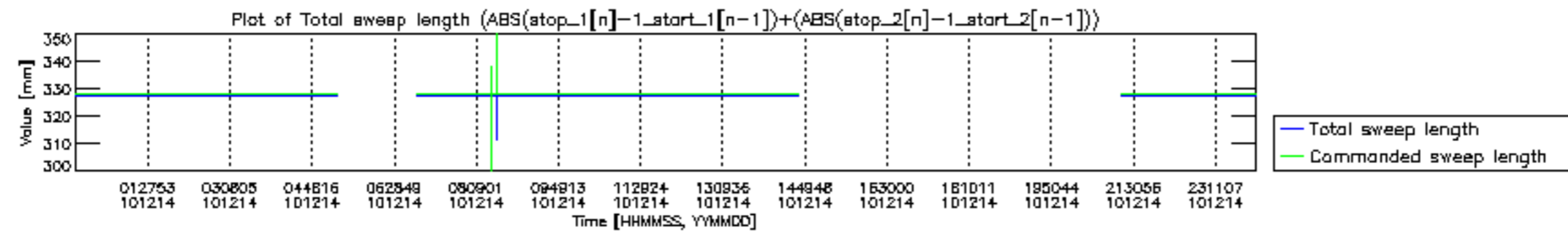


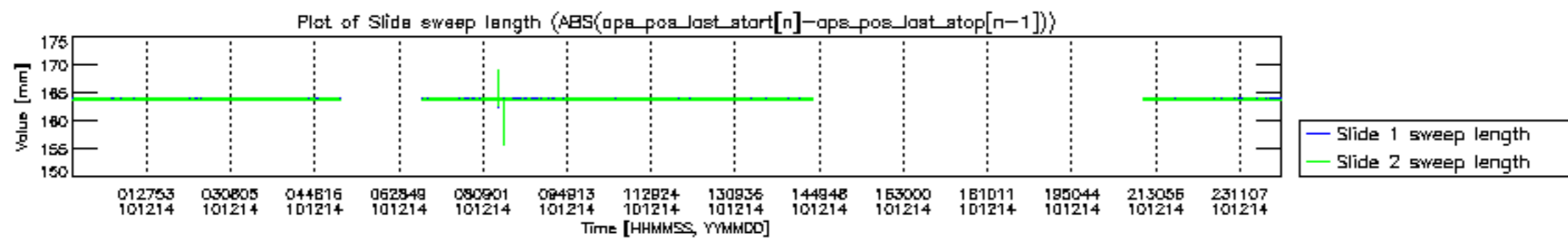


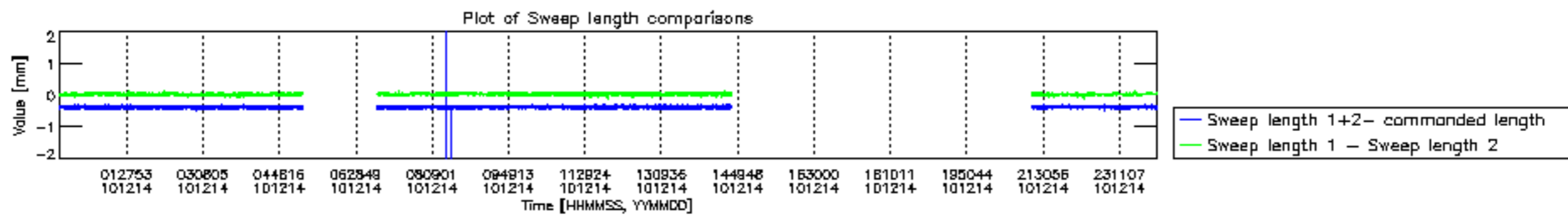


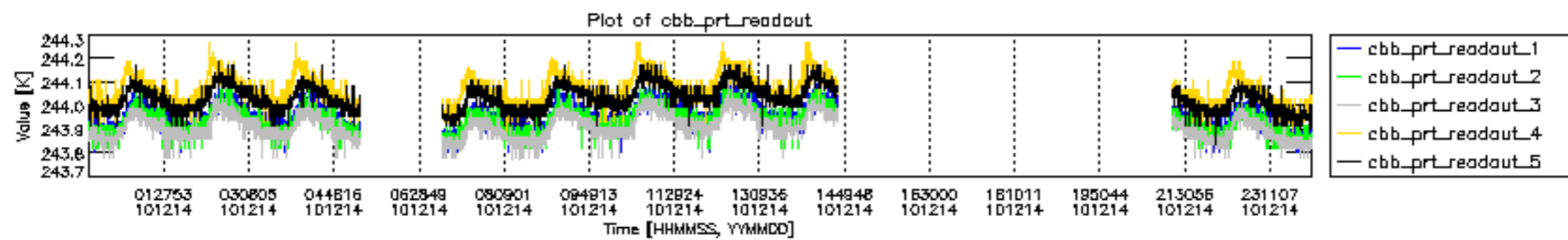


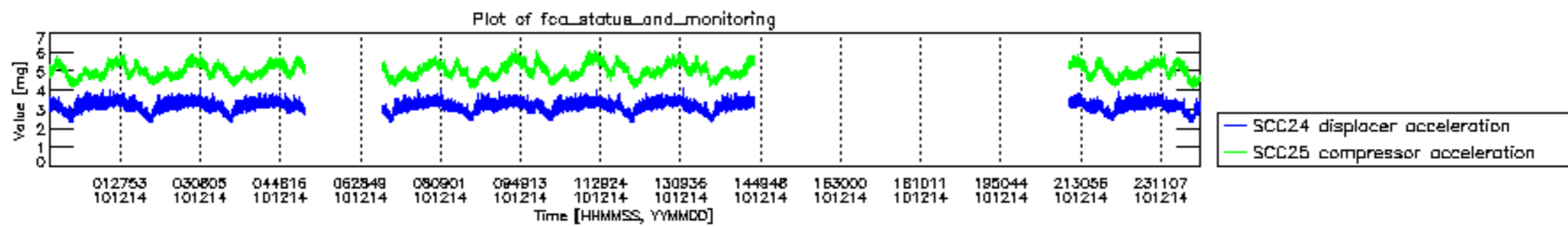












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

