

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	29OCT2011 05:22:51
Data source version	KSPT_L0/4504-N
Processing scope for products	24OCT2011 00:00:00 to 25OCT2011 00:00:00
Start time of first product within scope	24OCT2011 00:35:41
Stop time of last product within scope	24OCT2011 14:33:22
Total number of level 0 products	9
Number of level 0 products with errors	2

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

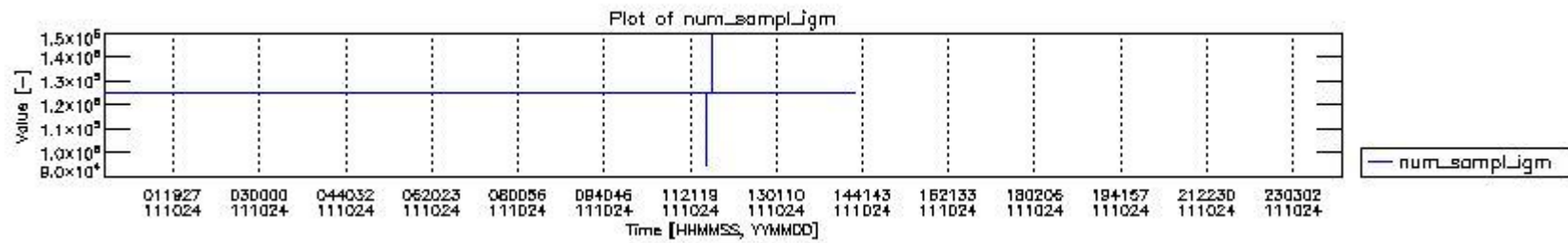
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20111024_003541_000059273108_00016_50461_9854.N1	24OCT2011 00:35:41	24OCT2011 02:14:27	0	0	0	0	0
1	MIP_NL__0PNPDE20111024_021321_000044833108_00017_50462_9855.N1	24OCT2011 02:13:21	24OCT2011 03:28:04	0	0	0	0	0
2	MIP_NL__0PNPDE20111024_032730_000061653108_00018_50463_9856.N1	24OCT2011 03:27:30	24OCT2011 05:10:15	0	0	0	0	0
3	MIP_NL__0PNPDE20111024_050941_000060433108_00019_50464_9857.N1	24OCT2011 05:09:41	24OCT2011 06:50:25	0	0	0	0	0
4	MIP_NL__0PNPDK20111024_064953_000039963108_00020_50465_7329.N1	24OCT2011 06:49:53	24OCT2011 07:56:30	0	0	0	0	0
5	MIP_NL__0PNPDK20111024_075531_000060853108_00021_50466_7330.N1	24OCT2011 07:55:31	24OCT2011 09:36:56	1	1	0	0	0
6	MIP_NL__0PNPDK20111024_093522_000060143108_00022_50467_7331.N1	24OCT2011 09:35:22	24OCT2011 11:15:37	1	1	0	0	0
7	MIP_NL__0PNPDK20111024_111426_000061253108_00023_50468_7332.N1	24OCT2011 11:14:26	24OCT2011 12:56:31	0	0	0	0	0
8	MIP_NL__0PNPDK20111024_125532_000058703108_00024_50469_7333.N1	24OCT2011 12:55:32	24OCT2011 14:33:22	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

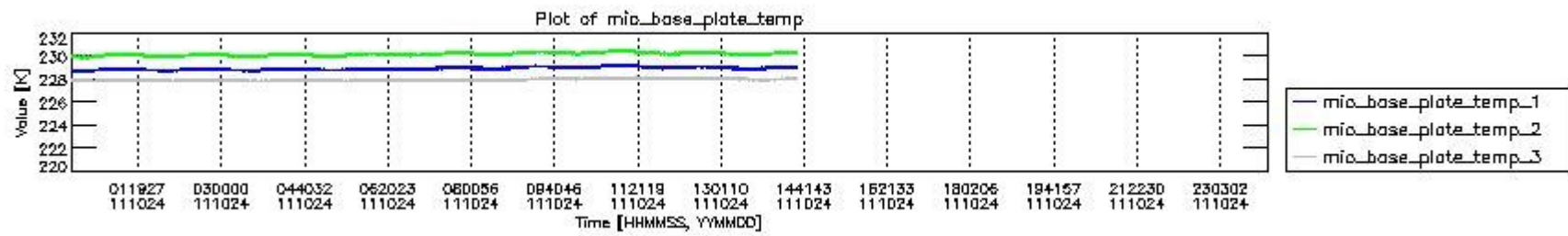
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

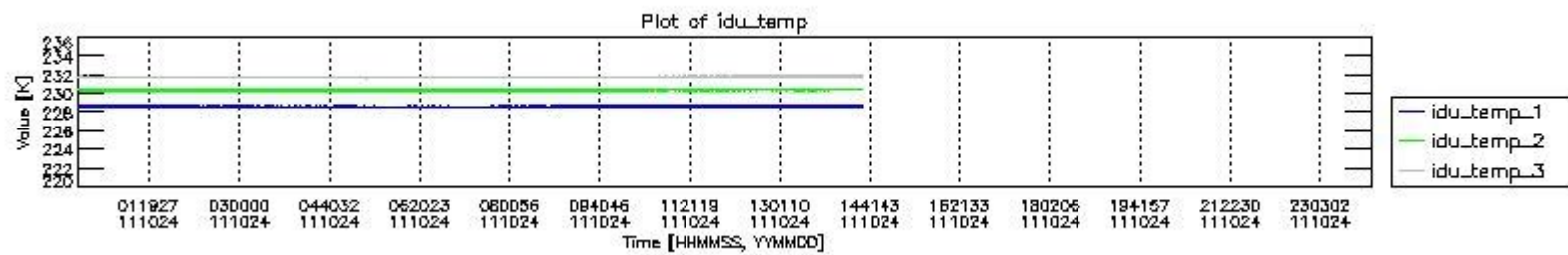
Number of igm samples	Count [#]	Count [%]
94934	1	0.0039755109
99801	1	0.0039755109
119933	1	0.0039755109
124800	23372	92.915640
124803	1776	7.0605073
126862	1	0.0039755109
146994	1	0.0039755109
149056	1	0.0039755109



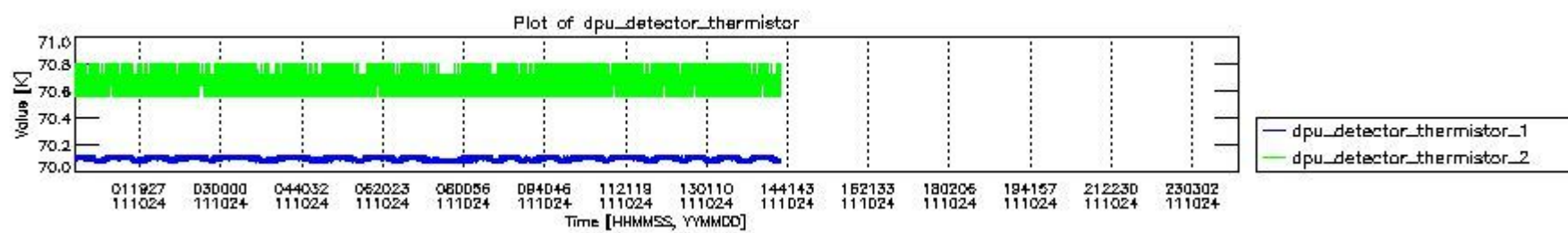
mipas_daily_report_level0_KSPT_L0_4504_N_20111024_0.PNG



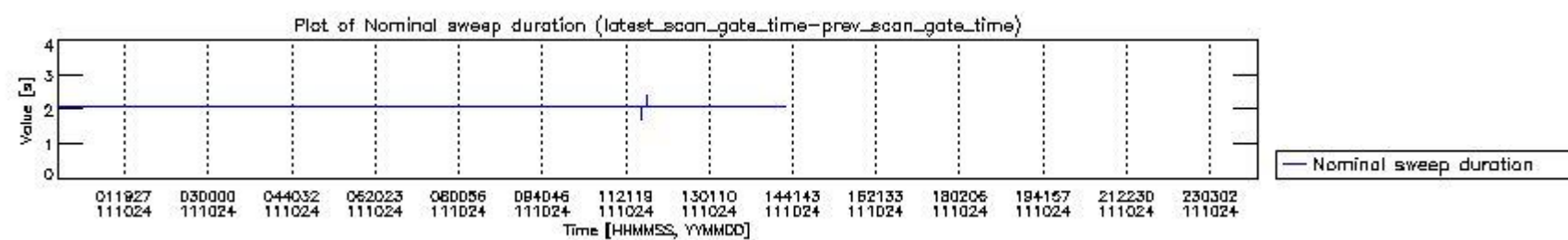
mipas_daily_report_level0_KSPT_L0_4504_N_20111024_1.PNG



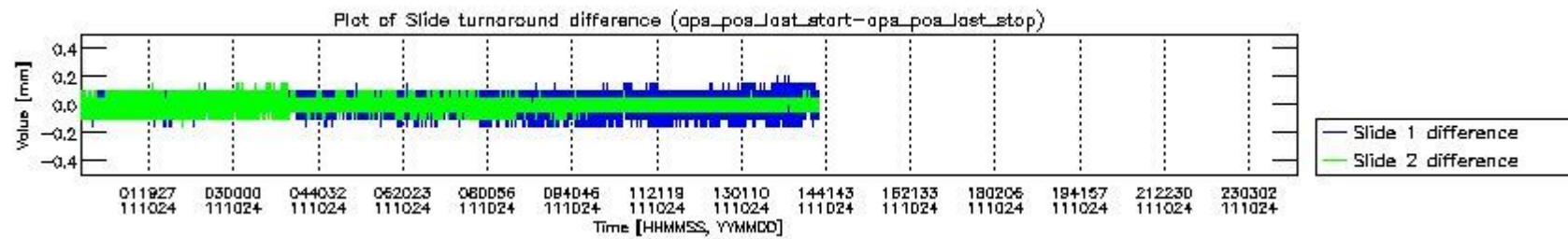
mipas_daily_report_level0_KSPT_L0_4504_N_20111024_2.PNG



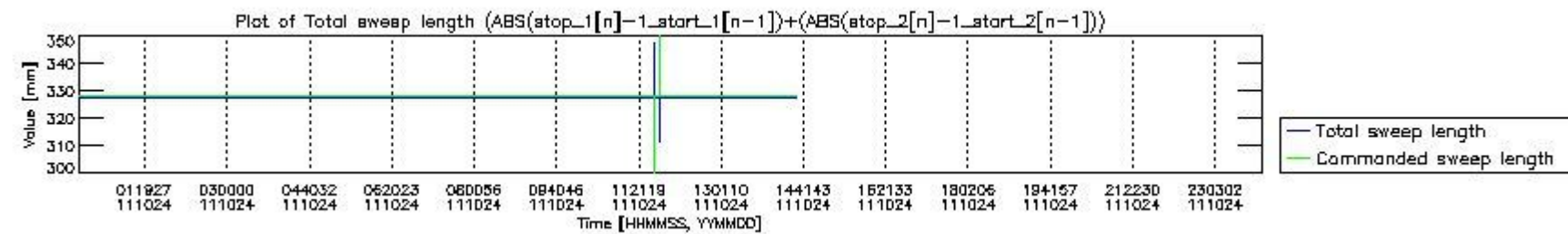
mipas_daily_report_level0_KSPT_L0_4504_N_20111024_3.PNG



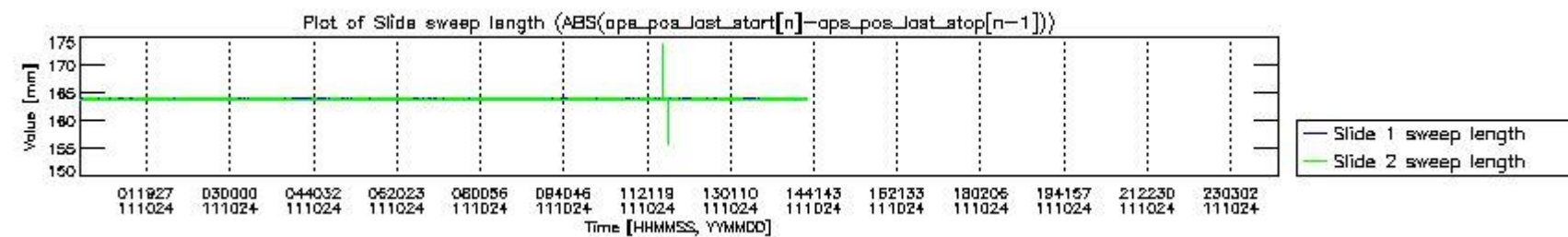
mipas_daily_report_level0_KSPT_L0_4504_N_20111024_4.PNG



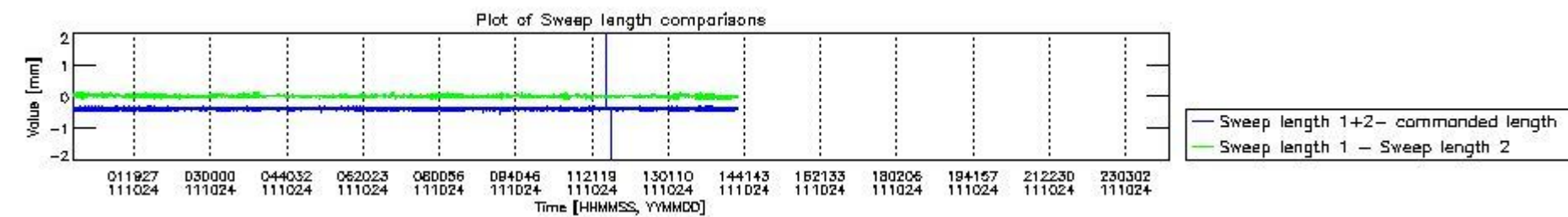
mipas_daily_report_level0_KSPT_L0_4504_N_20111024_5.PNG



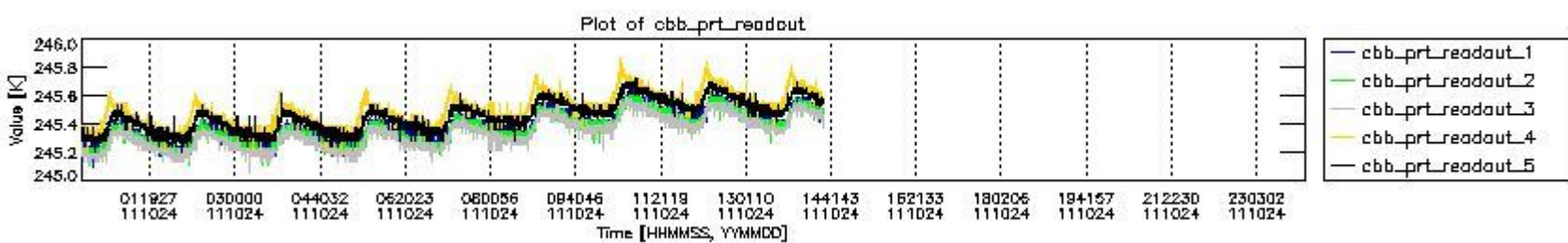
mipas_daily_report_level0_KSPT_L0_4504_N_20111024_6.PNG



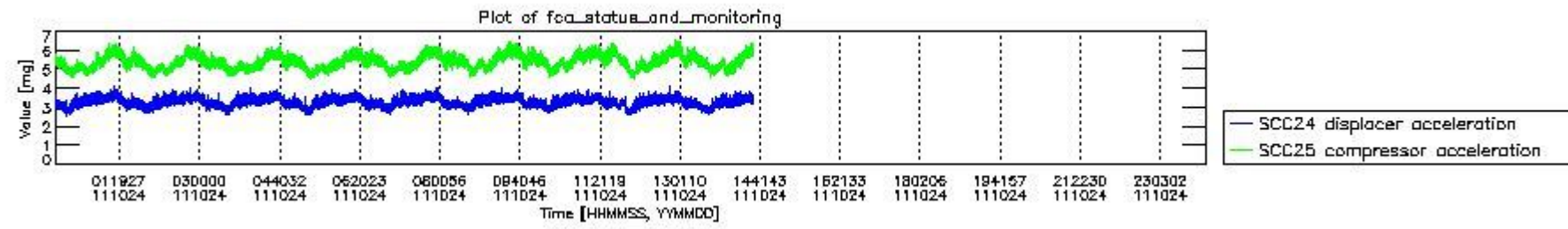
mipas_daily_report_level0_KSPT_L0_4504_N_20111024_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111024_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111024_9.PNG

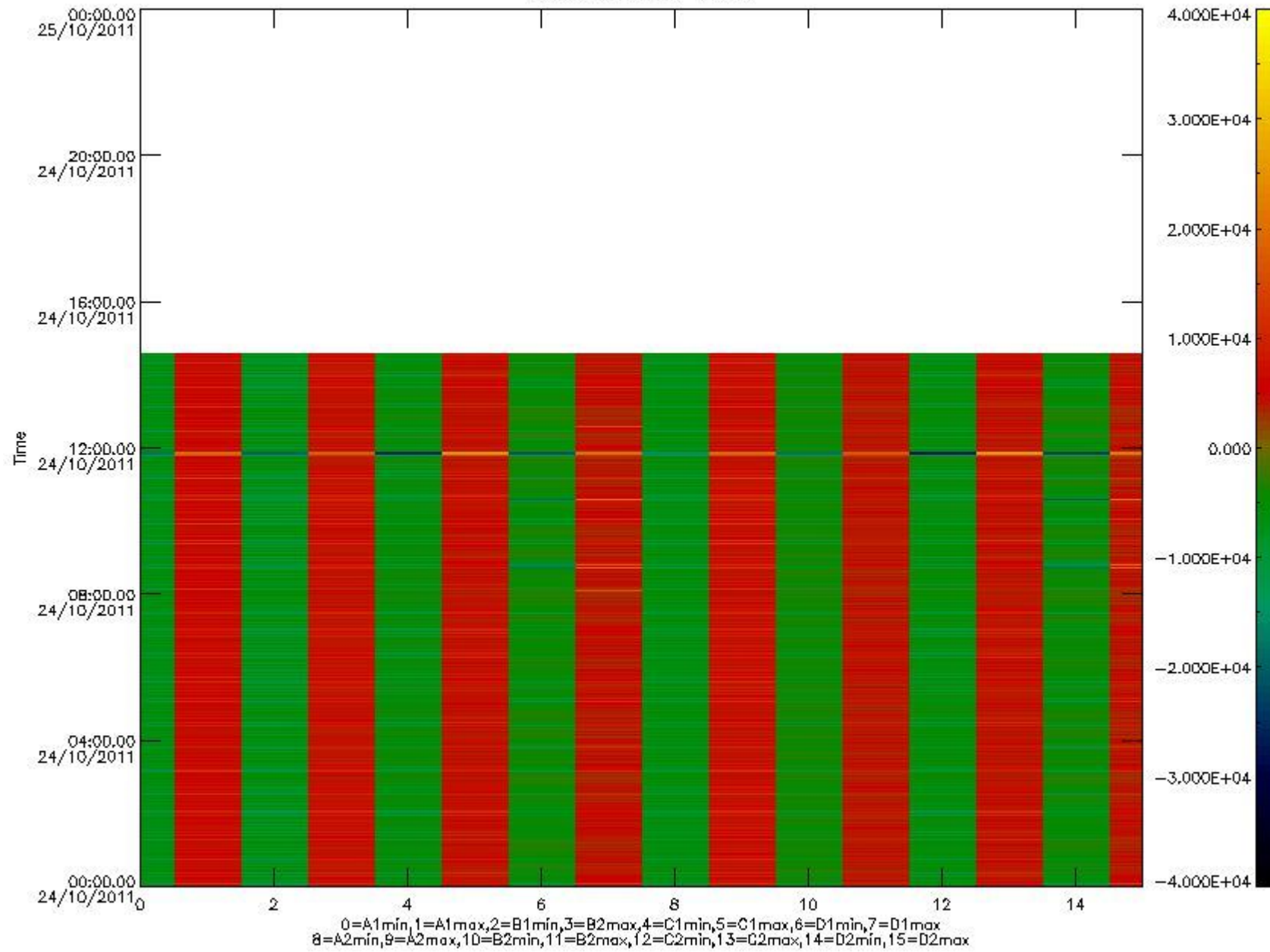


mipas_daily_report_level0_KSPT_L0_4504_N_20111024_10.PNG

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

Channel	Min	Max	ADC
A1	-18568	19719	16bit
B1	-20787	17861	16bit
C1	-25761	25606	16bit
D1	-32768	32767	16bit
A2	-16021	19804	16bit
B2	-18794	18411	16bit
C2	-26821	26375	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_20111024_11.PNG

0.3 ADF monitoring

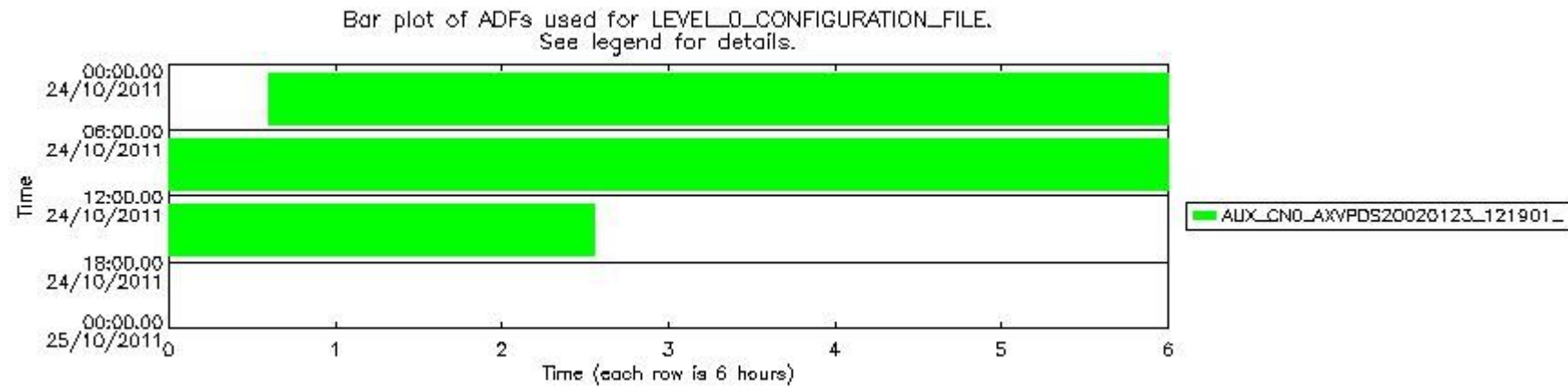
The use of ADFs is shown in two ways:

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.

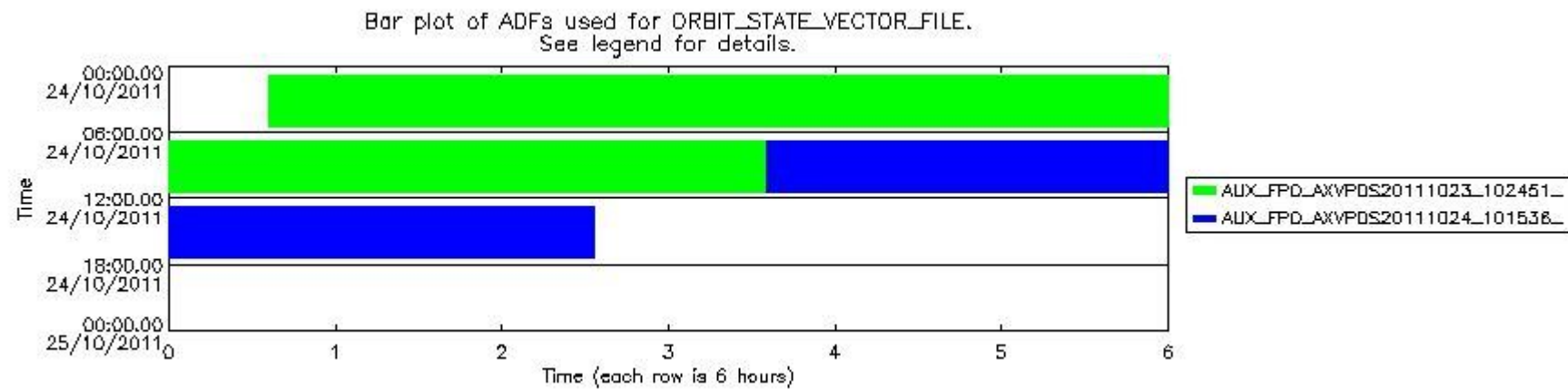
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111023_102451_20111022_184333_20111101_205716
2	AUX_FPO_AXVPDS20111024_101536_20111023_194703_20111102_202032

Number	Product name	#CN0	#FPO
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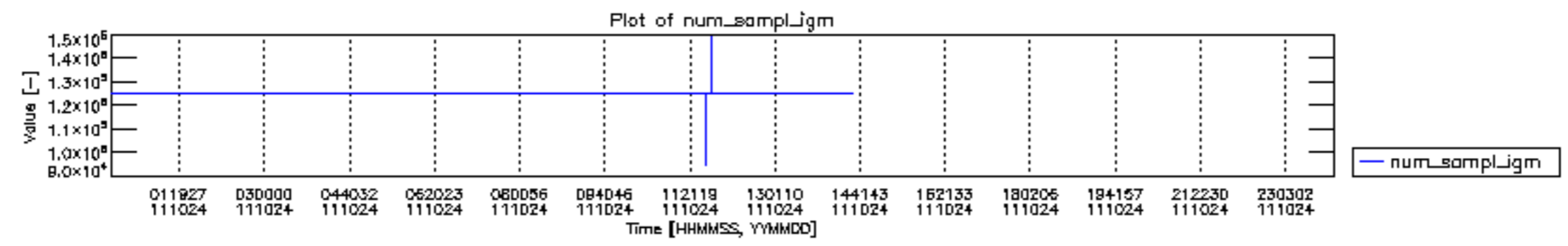
0	MIP_NL__0PNPDE20111024_003541_000059273108_00016_50461_9854.N1	0	1
1	MIP_NL__0PNPDE20111024_021321_000044833108_00017_50462_9855.N1	0	1
2	MIP_NL__0PNPDE20111024_032730_000061653108_00018_50463_9856.N1	0	1
3	MIP_NL__0PNPDE20111024_050941_000060433108_00019_50464_9857.N1	0	1
4	MIP_NL__0PNPDK20111024_064953_000039963108_00020_50465_7329.N1	0	1
5	MIP_NL__0PNPDK20111024_075531_000060853108_00021_50466_7330.N1	0	1
6	MIP_NL__0PNPDK20111024_093522_000060143108_00022_50467_7331.N1	0	2
7	MIP_NL__0PNPDK20111024_111426_000061253108_00023_50468_7332.N1	0	2
8	MIP_NL__0PNPDK20111024_125532_000058703108_00024_50469_7333.N1	0	2

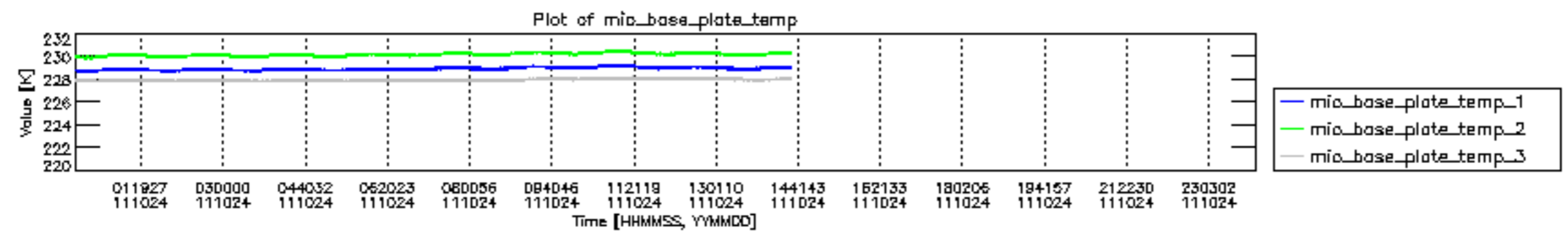


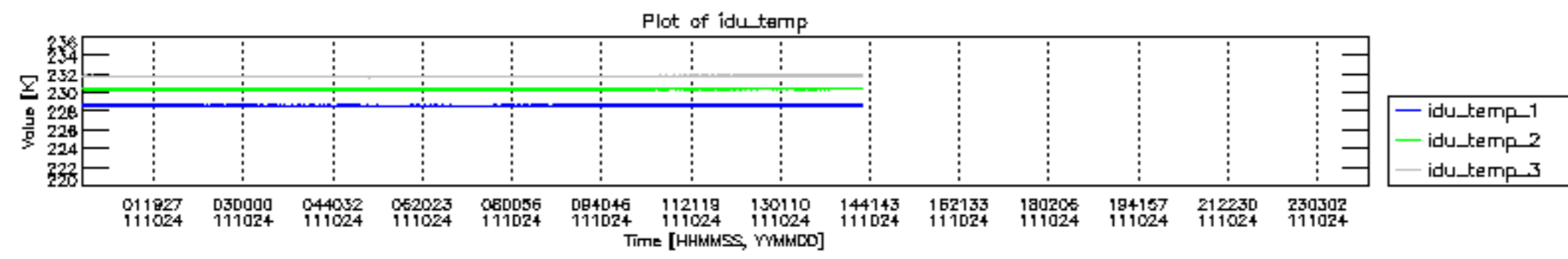
mipas_daily_report_level0_KSPT_L0_4504_N_20111024_12.PNG

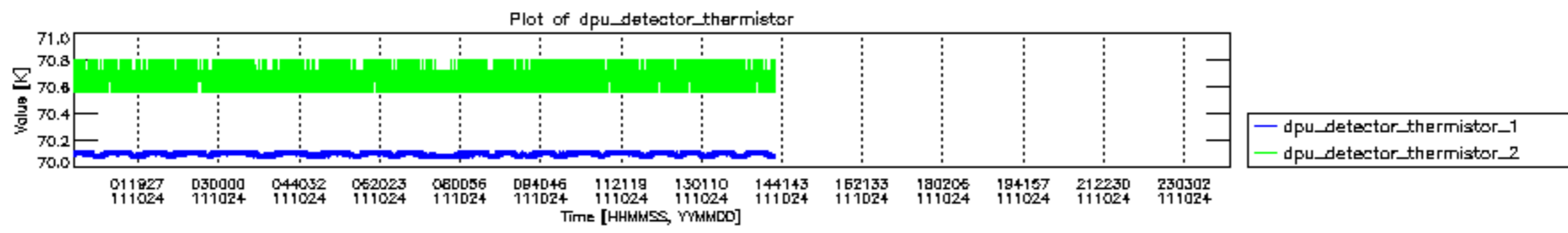


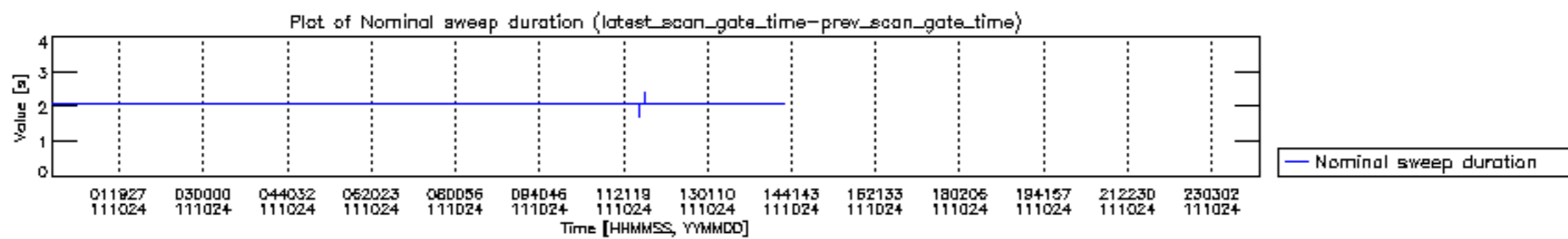
mipas_daily_report_level0_KSPT_L0_4504_N_20111024_13.PNG

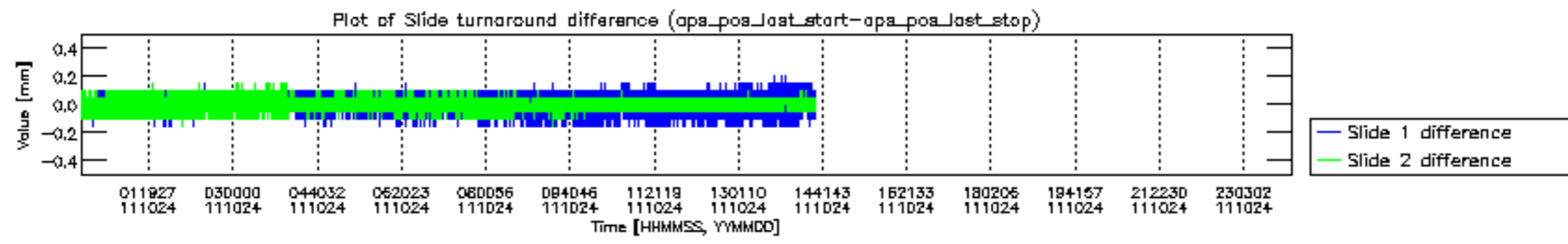


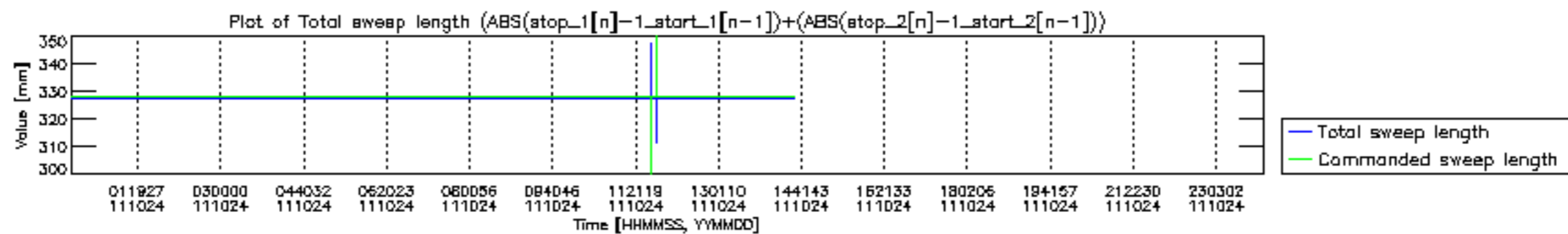


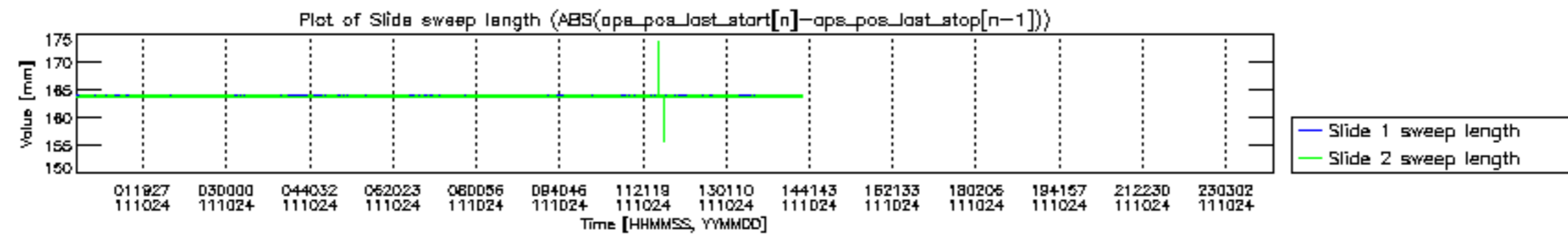


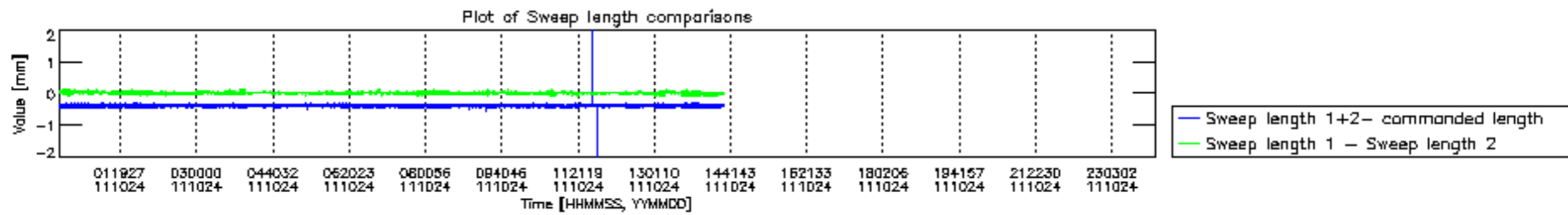


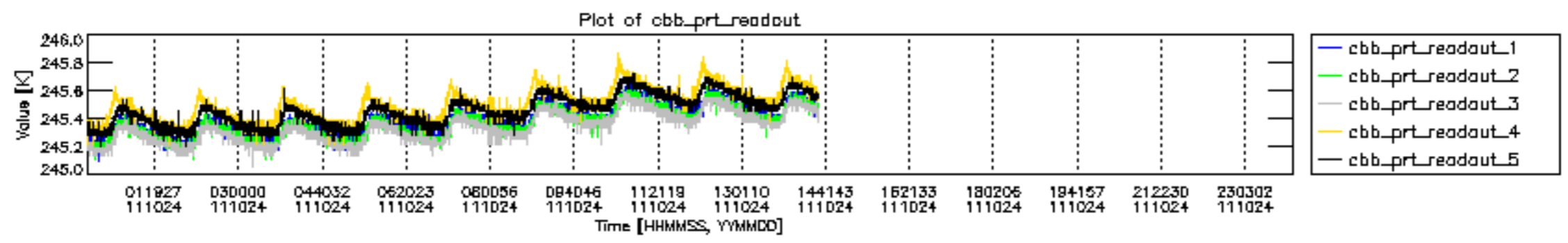


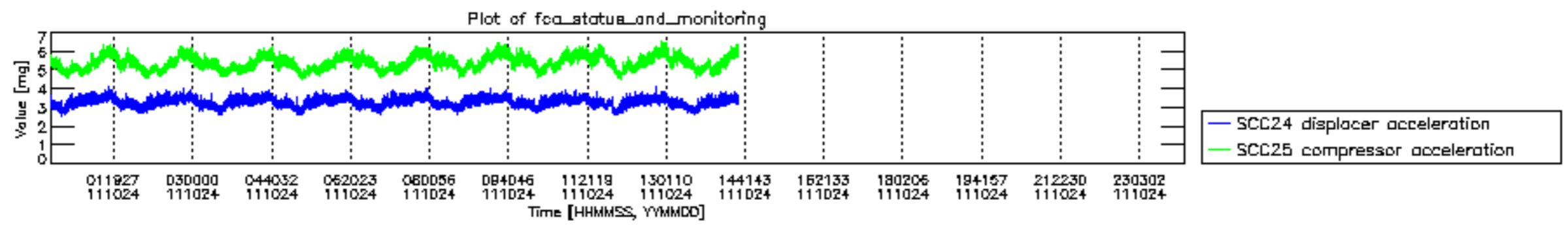












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

