

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	28OCT2011 09:54:22
Data source version	KSPT_L0/4504-N
Processing scope for products	23OCT2011 00:00:00 to 24OCT2011 00:00:00
Start time of first product within scope	23OCT2011 01:12:02
Stop time of last product within scope	24OCT2011 00:36:46
Total number of level 0 products	13
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__0PNPDE20111023_011202_000102573108_00002_50447_9848.N1	23OCT2011 01:12:02	23OCT2011 04:02:59	0	0	0	0	0
1	MIP_NL__0PNPDE20111023_040226_000062733108_00004_50449_9849.N1	23OCT2011 04:02:26	23OCT2011 05:46:59	0	0	0	0	0
2	MIP_NL__0PNPDE20111023_054626_000022853108_00005_50450_9850.N1	23OCT2011 05:46:26	23OCT2011 06:24:30	0	0	0	0	0
3	MIP_NL__0PNPDK20111023_094530_000017003108_00007_50452_7322.N1	23OCT2011 09:45:30	23OCT2011 10:13:51	0	0	0	0	0
4	MIP_NL__0PNPDK20111023_101212_000059893108_00008_50453_7323.N1	23OCT2011 10:12:12	23OCT2011 11:52:01	0	0	0	0	0
5	MIP_NL__0PNPDK20111023_115023_000061673108_00009_50454_7324.N1	23OCT2011 11:50:23	23OCT2011 13:33:10	0	0	0	0	0
6	MIP_NL__0PNPDK20111023_133131_000059543108_00010_50455_7325.N1	23OCT2011 13:31:31	23OCT2011 15:10:45	0	0	0	0	0
7	MIP_NL__0PNPDK20111023_150905_000058703108_00011_50456_7326.N1	23OCT2011 15:09:05	23OCT2011 16:46:55	0	0	0	0	0
8	MIP_NL__0PNPDK20111023_164609_000059583108_00012_50457_7327.N1	23OCT2011 16:46:09	23OCT2011 18:25:26	0	0	0	0	0
9	MIP_NL__0PNPDK20111023_182428_000060083108_00013_50458_7328.N1	23OCT2011 18:24:28	23OCT2011 20:04:36	0	0	0	0	0
10	MIP_NL__0PNPDE20111023_200306_000041033108_00014_50459_9851.N1	23OCT2011 20:03:06	23OCT2011 21:11:29	0	0	0	0	0
11	MIP_NL__0PNPDE20111023_210953_000063763108_00014_50459_9852.N1	23OCT2011 21:09:53	23OCT2011 22:56:08	0	0	0	0	0
12	MIP_NL__0PNPDE20111023_225502_000061043108_00015_50460_9853.N1	23OCT2011 22:55:02	24OCT2011 00:36:46	0	0	0	0	0

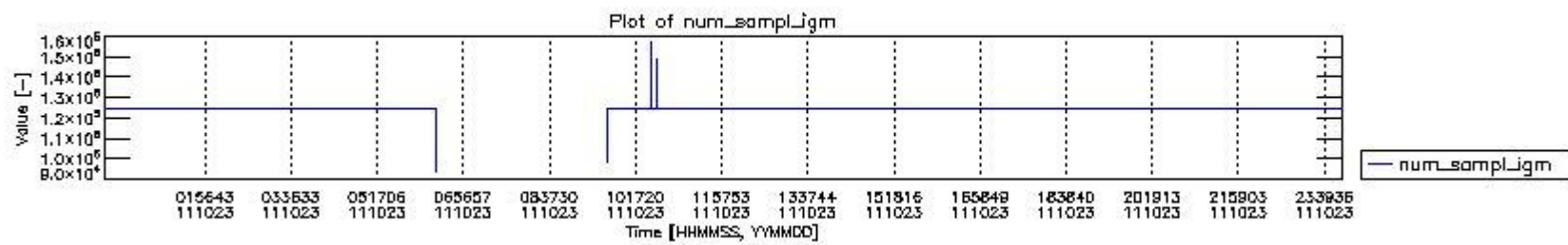
0.2 Instrument Operational Performance Parameters

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.

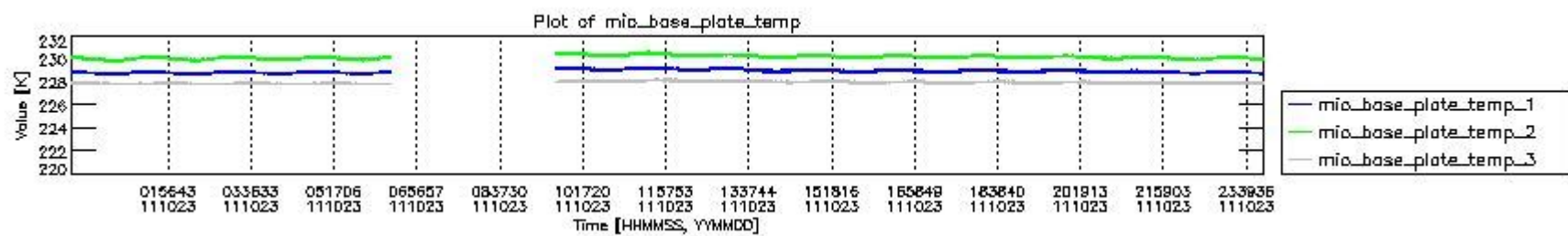
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
94042	1	0.0027894781
98847	1	0.0027894781
99355	1	0.0027894781
119487	1	0.0027894781
123398	1	0.0027894781

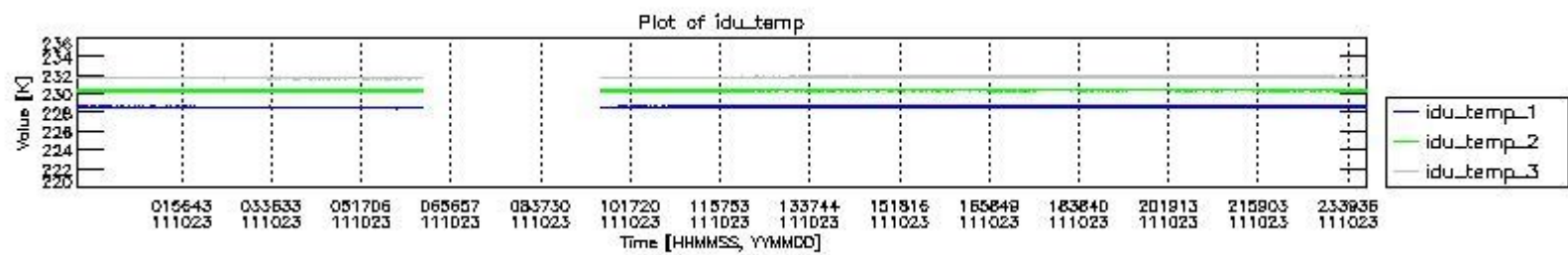
124099	1	0.0027894781
124800	33292	92.867305
124803	2545	7.0992217
126936	1	0.0027894781
131099	1	0.0027894781
147068	1	0.0027894781
149204	1	0.0027894781
151231	1	0.0027894781
157530	1	0.0027894781



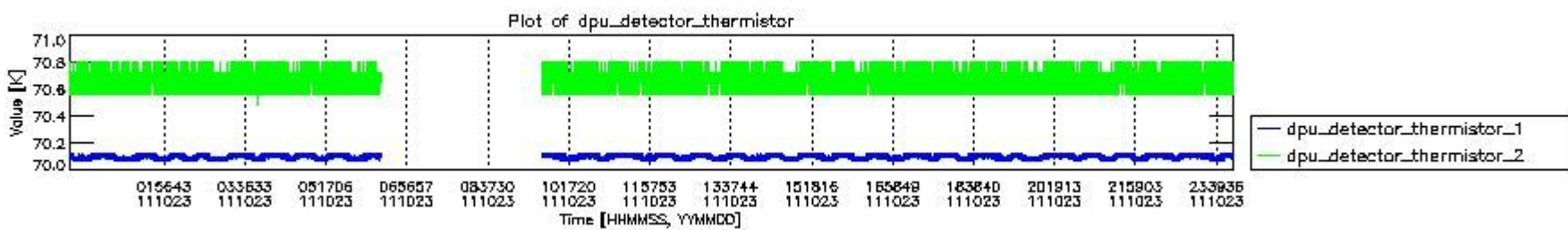
mipas_daily_report_level0_KSPT_L0_4504_N_20111023_0.PNG



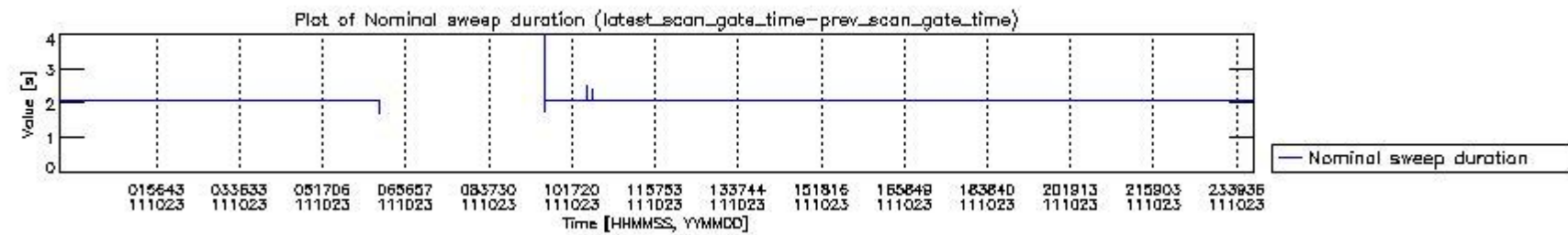
mipas_daily_report_level0_KSPT_L0_4504_N_20111023_1.PNG



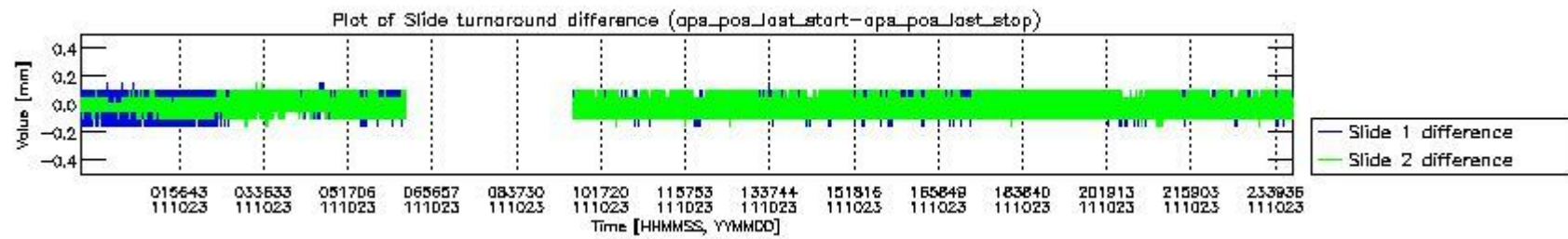
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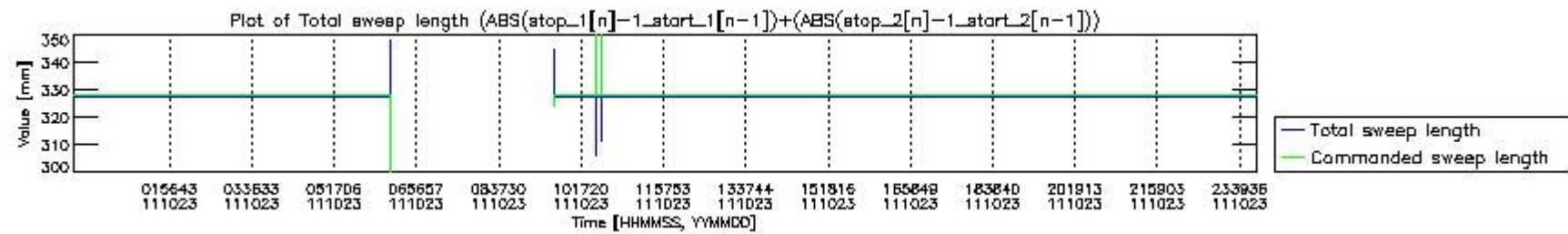
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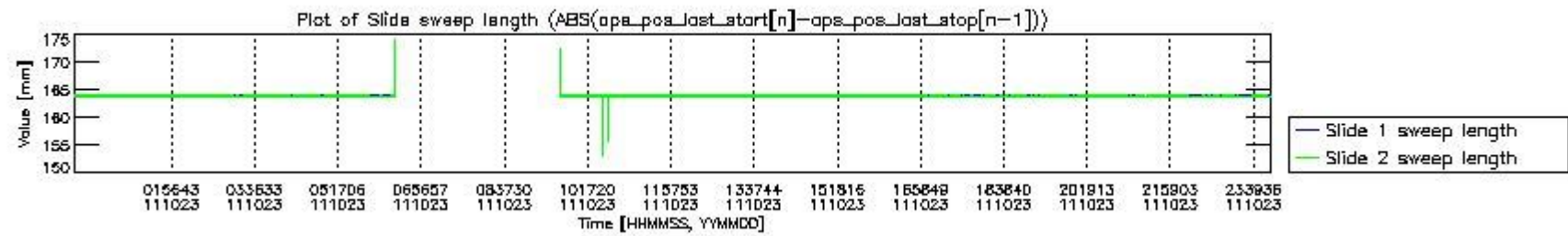
mipas_daily_report_level0_KSPT_L0_4504_N_20111023_4.PNG



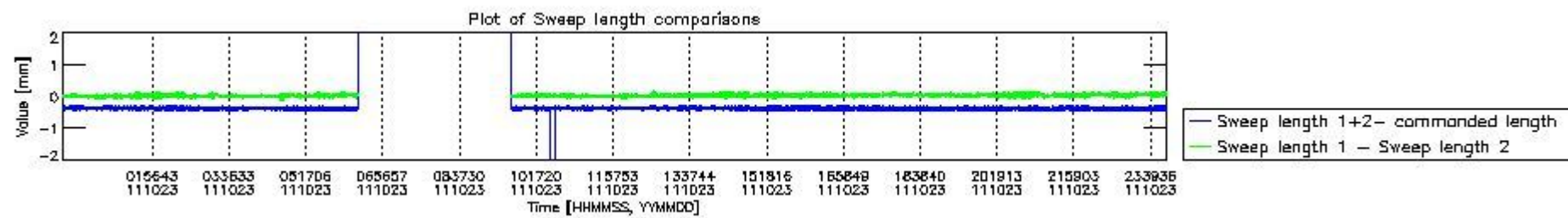
mipas_daily_report_level0_KSPT_L0_4504_N_20111023_5.PNG



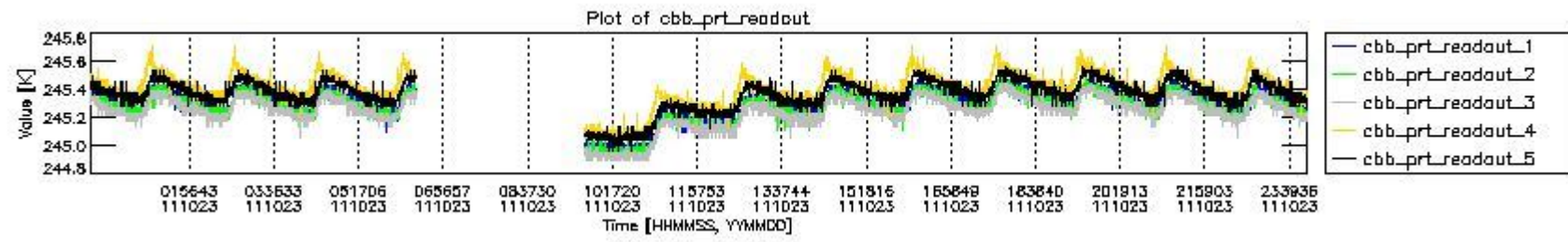
mipas_daily_report_level0_KSPT_L0_4504_N_20111023_6.PNG



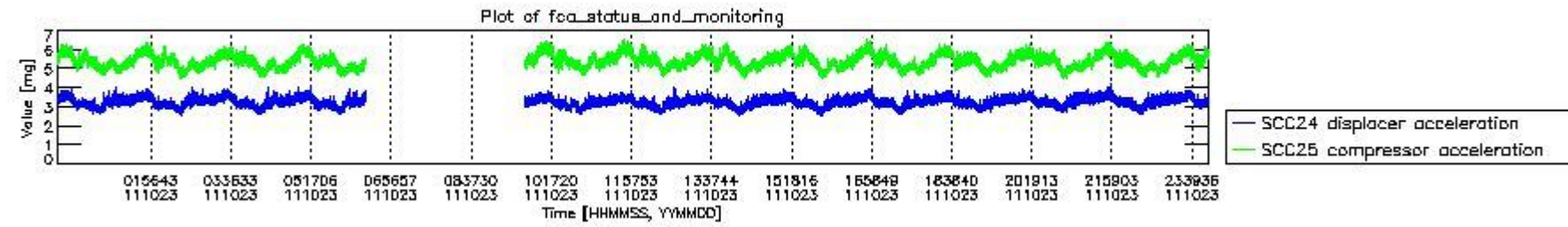
mipas_daily_report_level0_KSPT_L0_4504_N_20111023_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111023_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111023_9.PNG

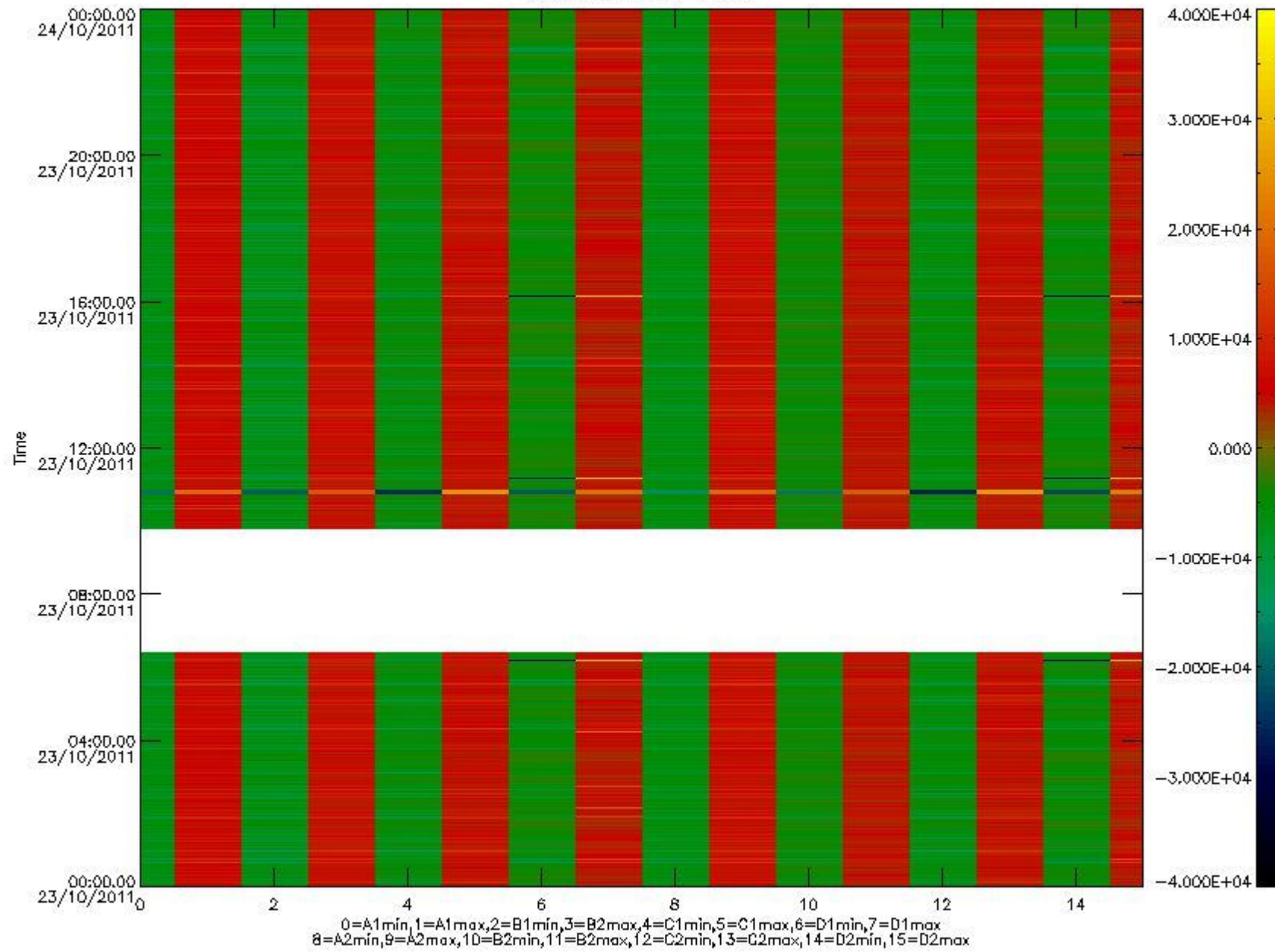


mipas_daily_report_level0_KSPT_L0_4504_N_20111023_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-25380	25299	16bit
D1	-32768	32767	16bit
A2	-32768	28243	16bit
B2	-32768	32767	16bit
C2	-26410	26015	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_20111023_11.PNG

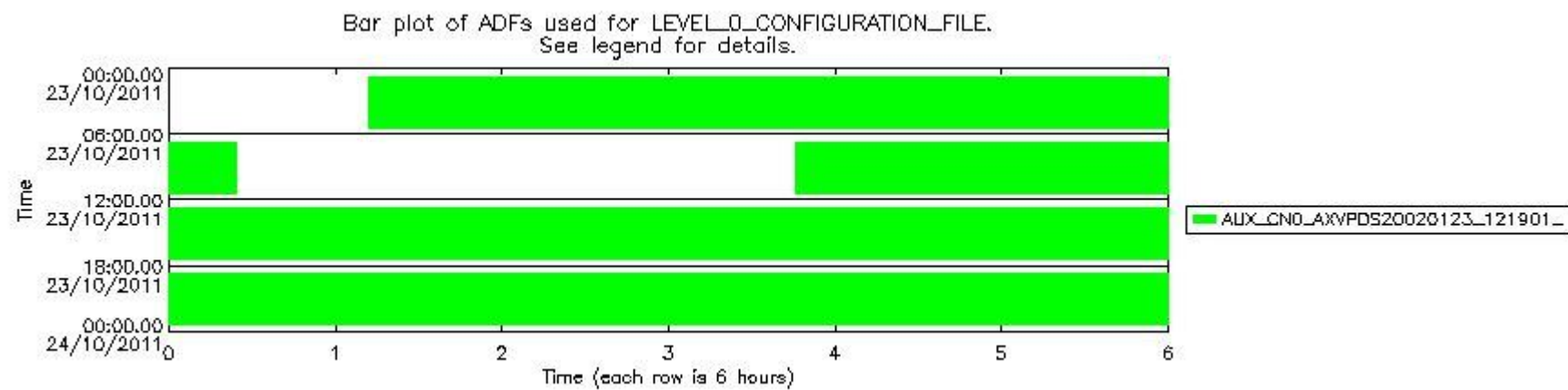
0.3 ADF monitoring

The use of ADFs is shown in two ways:

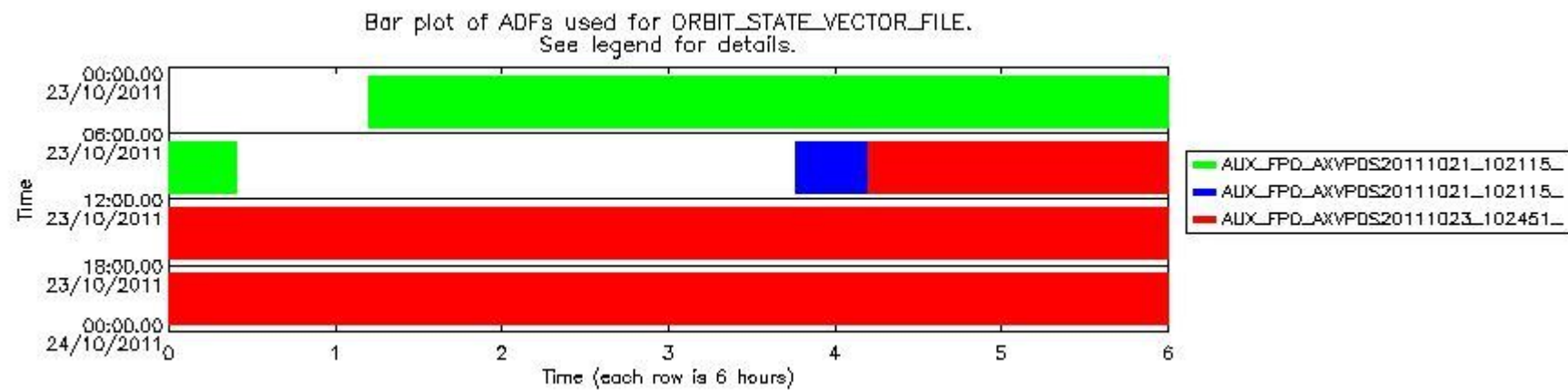
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111021_102115_20111019_185333_20111029_210716
2	AUX_FPO_AXVPDS20111021_102115_20111020_195703_20111030_203031
3	AUX_FPO_AXVPDS20111023_102451_20111022_184333_20111101_205716

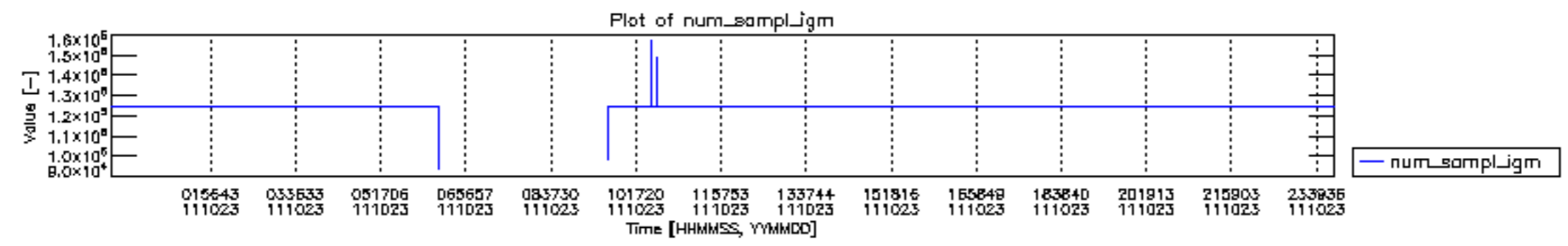
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111023_011202_000102573108_00002_50447_9848.N1	0	1
1	MIP_NL__0PNPDE20111023_040226_000062733108_00004_50449_9849.N1	0	1
2	MIP_NL__0PNPDE20111023_054626_000022853108_00005_50450_9850.N1	0	1
3	MIP_NL__0PNPDK20111023_094530_000017003108_00007_50452_7322.N1	0	2
4	MIP_NL__0PNPDK20111023_101212_000059893108_00008_50453_7323.N1	0	3
5	MIP_NL__0PNPDK20111023_115023_000061673108_00009_50454_7324.N1	0	3
6	MIP_NL__0PNPDK20111023_133131_000059543108_00010_50455_7325.N1	0	3
7	MIP_NL__0PNPDK20111023_150905_000058703108_00011_50456_7326.N1	0	3
8	MIP_NL__0PNPDK20111023_164609_000059583108_00012_50457_7327.N1	0	3
9	MIP_NL__0PNPDK20111023_182428_000060083108_00013_50458_7328.N1	0	3
10	MIP_NL__0PNPDE20111023_200306_000041033108_00014_50459_9851.N1	0	3
11	MIP_NL__0PNPDE20111023_210953_000063763108_00014_50459_9852.N1	0	3
12	MIP_NL__0PNPDE20111023_225502_000061043108_00015_50460_9853.N1	0	3

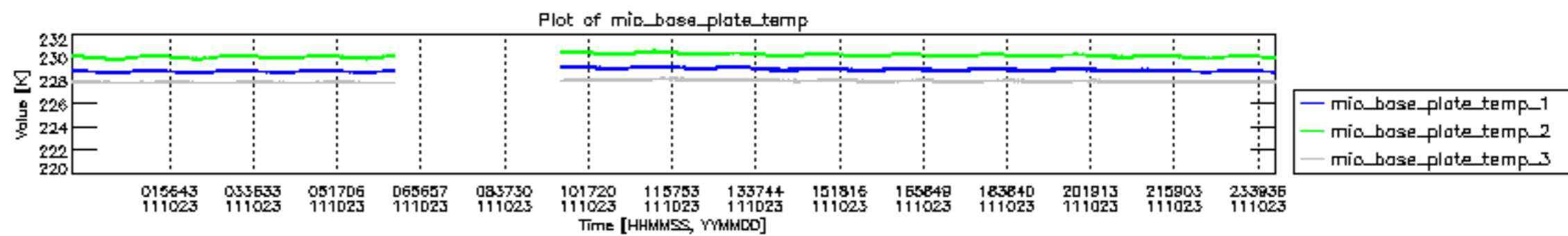


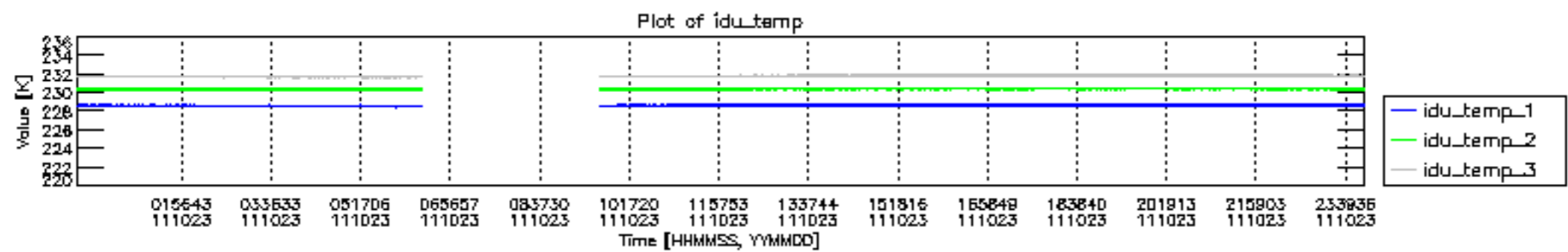
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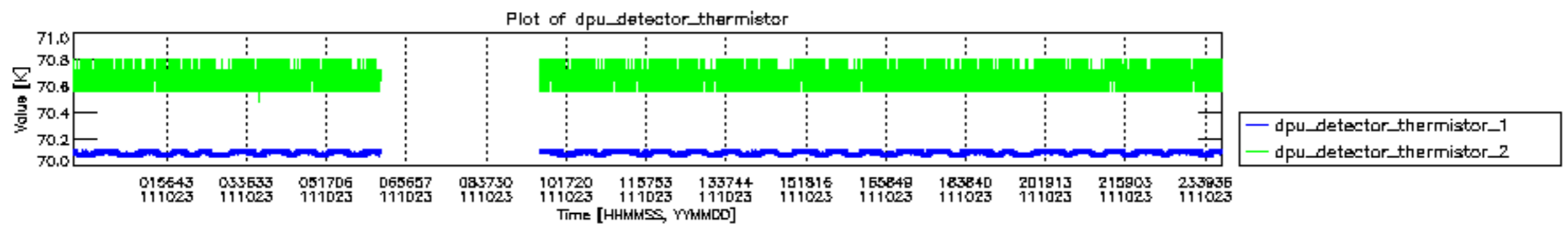


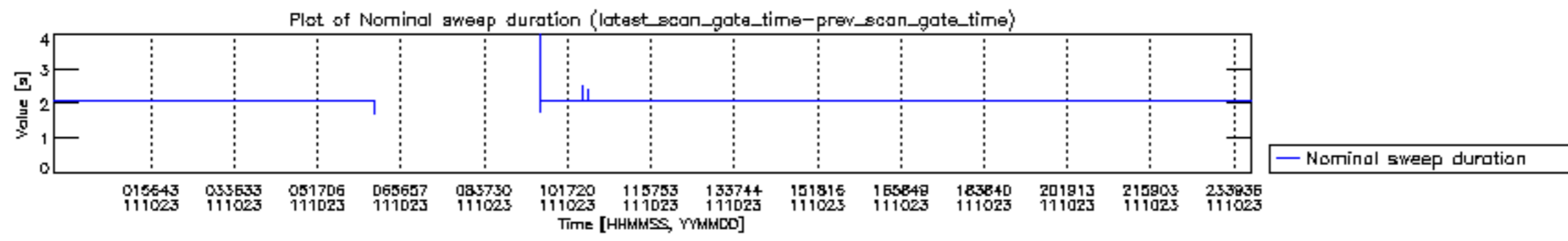
mipas_daily_report_level0_KSPT_L0_4504_N_20111023_13.PNG

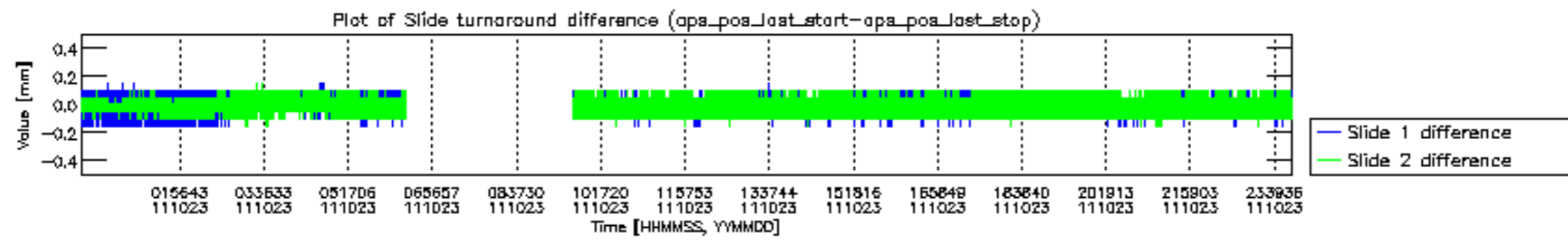


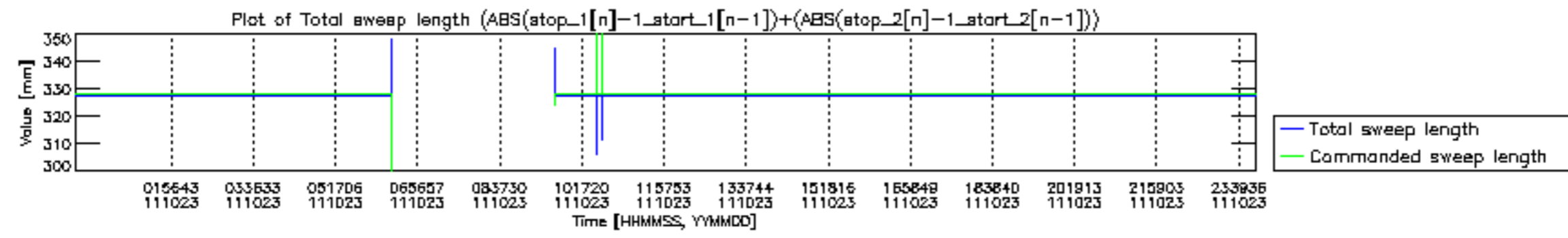


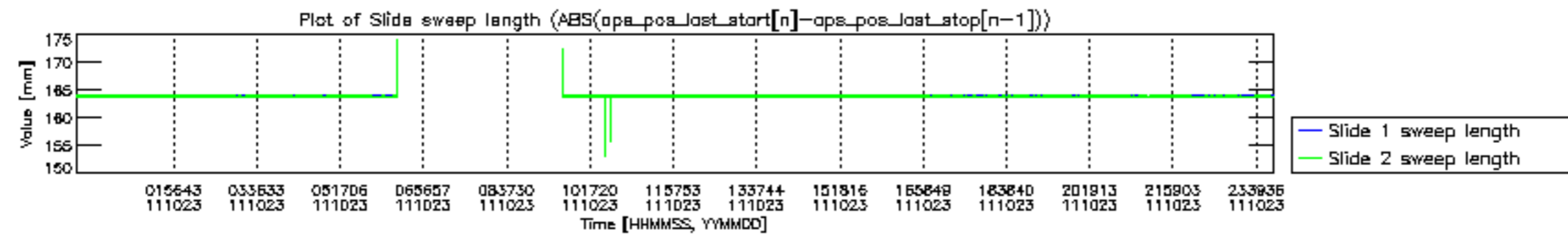


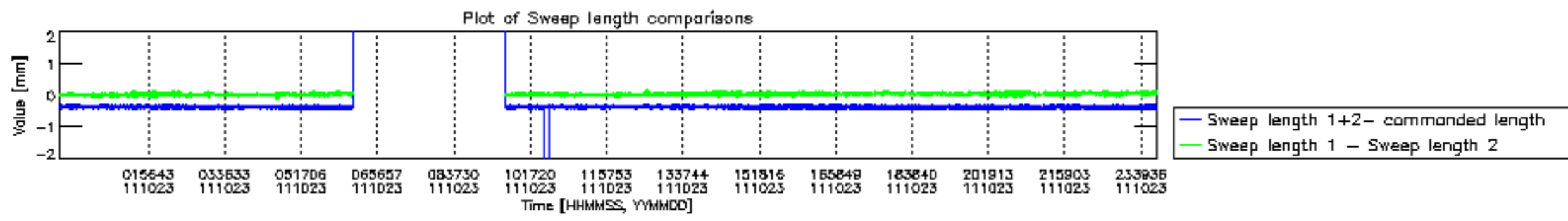


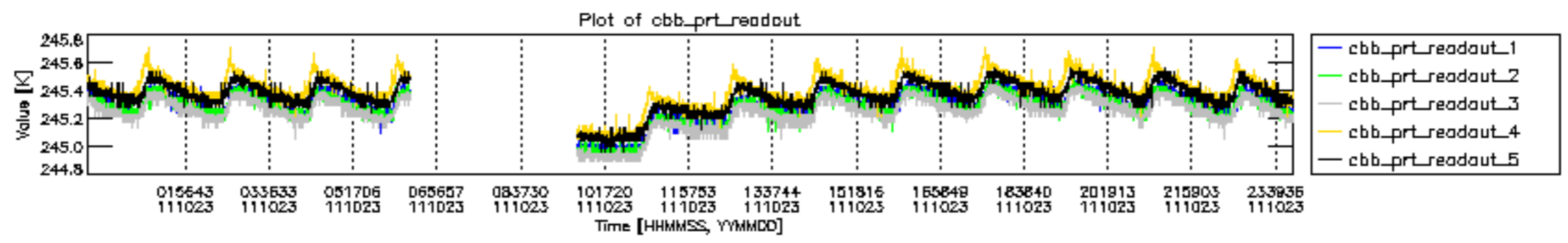


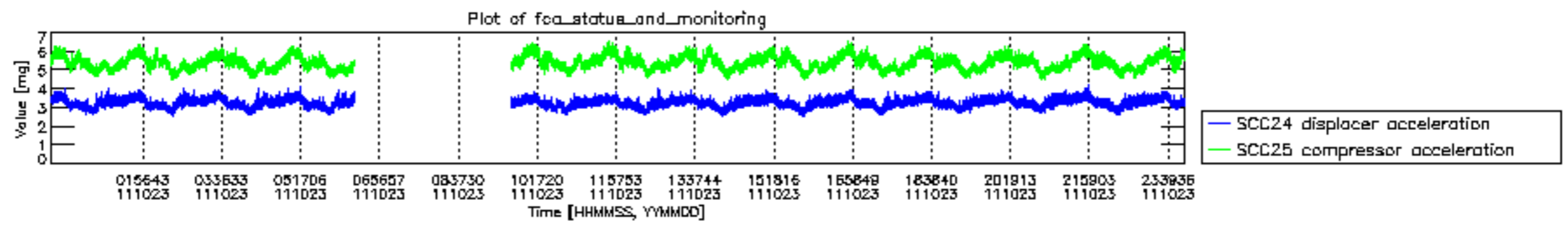












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

