

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	13JUL2011 05:24:50
Data source version	KSPT_L0/4504-N
Processing scope for products	08JUL2011 00:00:00 to 09JUL2011 00:00:00
Start time of first product within scope	08JUL2011 01:34:14
Stop time of last product within scope	09JUL2011 00:59:59
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__0PNPDE20110708_013414_000043353104_00189_48910_9191.N1	08JUL2011 01:34:14	08JUL2011 02:46:29	0	0	0	0	0
1	MIP_NL__0PNPDE20110708_024555_000061523104_00190_48911_9192.N1	08JUL2011 02:45:55	08JUL2011 04:28:28	0	0	0	0	0
2	MIP_NL__0PNPDE20110708_042754_000060653104_00191_48912_9193.N1	08JUL2011 04:27:54	08JUL2011 06:08:59	0	0	0	0	0
3	MIP_NL__0PNPDK20110708_060828_000041243104_00192_48913_5698.N1	08JUL2011 06:08:28	08JUL2011 07:17:11	0	0	0	0	0
4	MIP_NL__0PNPDK20110708_071636_000060383104_00193_48914_5699.N1	08JUL2011 07:16:36	08JUL2011 08:57:14	0	0	0	0	0
5	MIP_NL__0PNPDK20110708_085630_000060233104_00194_48915_5700.N1	08JUL2011 08:56:30	08JUL2011 10:36:53	0	0	0	0	0
6	MIP_NL__0PNPDK20110708_103609_000014833104_00195_48916_5701.N1	08JUL2011 10:36:09	08JUL2011 11:00:52	0	0	0	0	0
7	MIP_NL__0PNPDK20110708_110052_000045123104_00195_48916_5702.N1	08JUL2011 11:00:52	08JUL2011 12:16:05	0	0	0	0	0
8	MIP_NL__0PNPDK20110708_121521_000059583104_00196_48917_5703.N1	08JUL2011 12:15:21	08JUL2011 13:54:39	0	0	0	0	0
9	MIP_NL__0PNPDK20110708_135405_000058933104_00197_48918_5704.N1	08JUL2011 13:54:05	08JUL2011 15:32:19	0	0	0	0	0
10	MIP_NL__0PNPDK20110708_153133_000059083104_00198_48919_5705.N1	08JUL2011 15:31:33	08JUL2011 17:10:01	0	0	0	0	0
11	MIP_NL__0PNPDK20110708_170917_000058723104_00199_48920_5706.N1	08JUL2011 17:09:17	08JUL2011 18:47:09	0	0	0	0	0
12	MIP_NL__0PNPDK20110708_184611_000059643104_00200_48921_5707.N1	08JUL2011 18:46:11	08JUL2011 20:25:35	0	0	0	0	0
13	MIP_NL__0PNPDE20110708_202401_000044233104_00201_48922_9194.N1	08JUL2011 20:24:01	08JUL2011 21:37:44	0	0	0	0	0
14	MIP_NL__0PNPDE20110708_213643_000061983104_00201_48922_9195.N1	08JUL2011 21:36:43	08JUL2011 23:20:01	0	0	0	0	0
15	MIP_NL__0PNPDE20110708_231901_000060583104_00202_48923_9196.N1	08JUL2011 23:19:01	09JUL2011 00:59:59	0	0	0	0	0

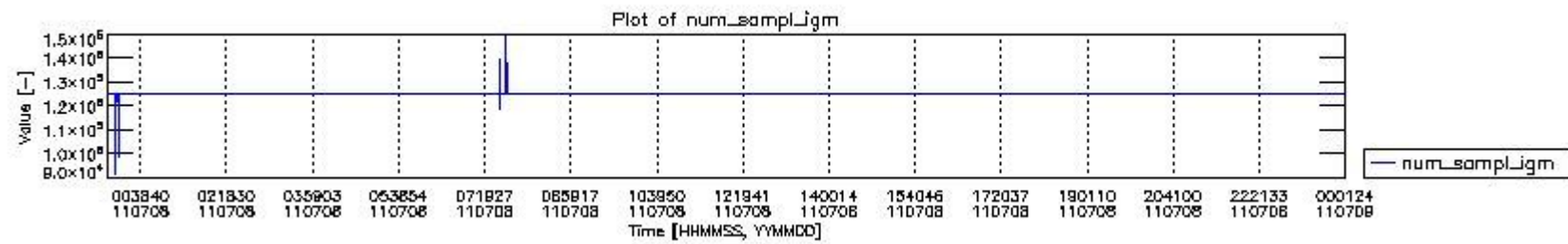
0.2 Instrument Operational Performance Parameters

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.

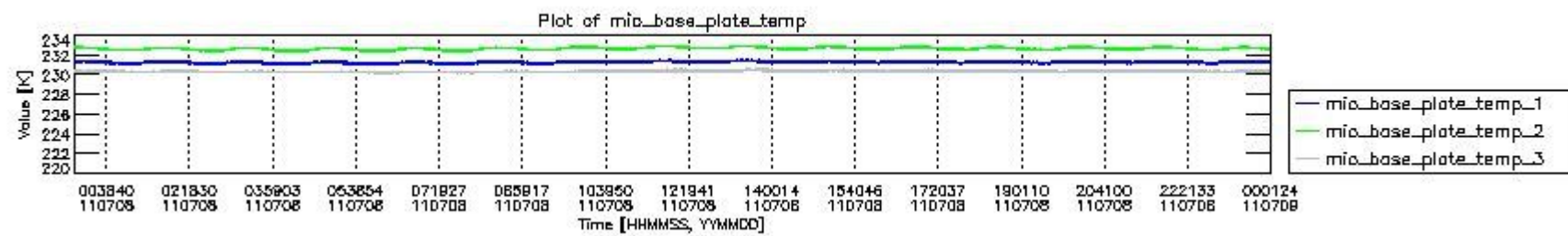
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
91962	1	0.0024127781
98315	1	0.0024127781

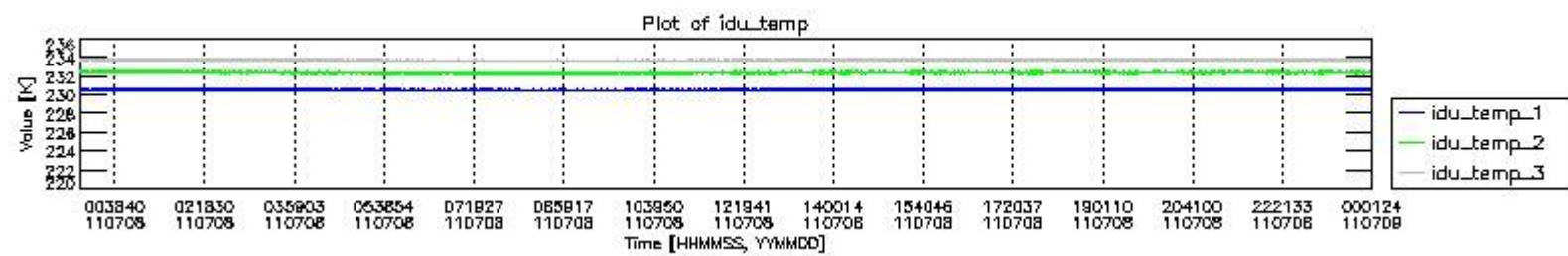
98699	1	0.0024127781
118447	1	0.0024127781
119130	1	0.0024127781
123102	1	0.0024127781
123951	1	0.0024127781
124800	38294	92.394924
124803	3140	7.5761231
127159	1	0.0024127781
133592	1	0.0024127781
139262	1	0.0024127781
147291	1	0.0024127781
149650	1	0.0024127781



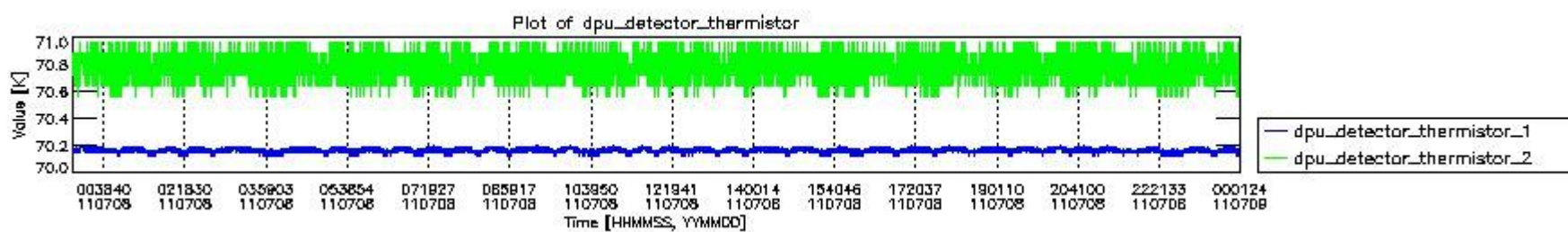
mipas_daily_report_level0_KSPT_L0_4504_N_20110708_0.PNG



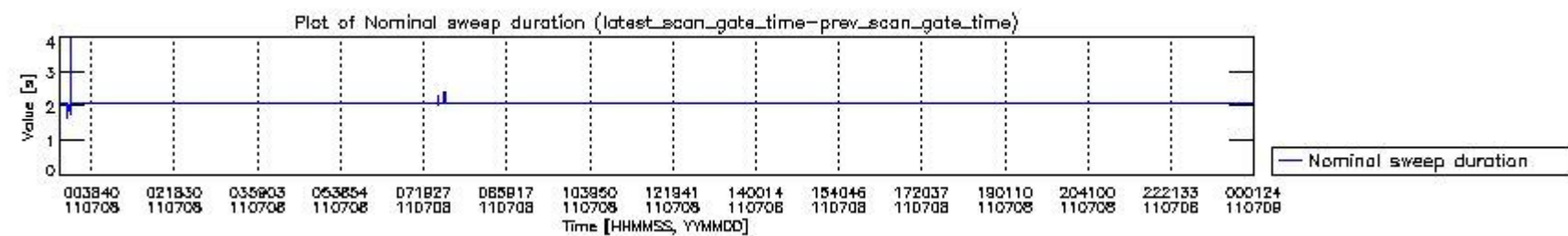
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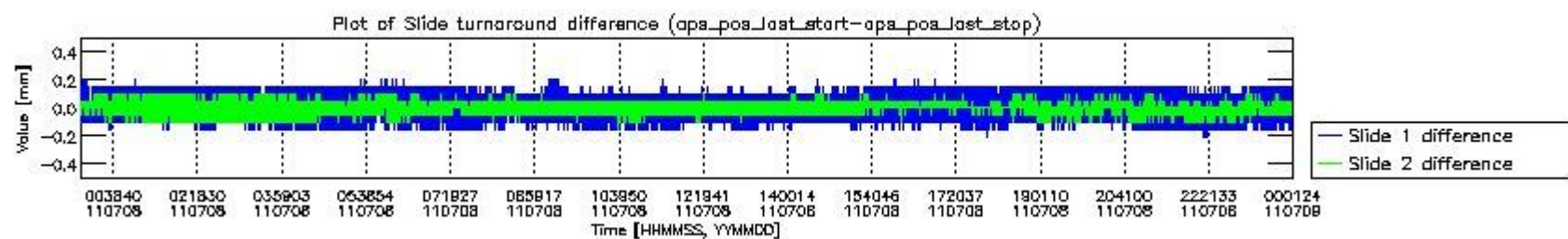
mipas_daily_report_level0_KSPT_L0_4504_N_20110708_2.PNG



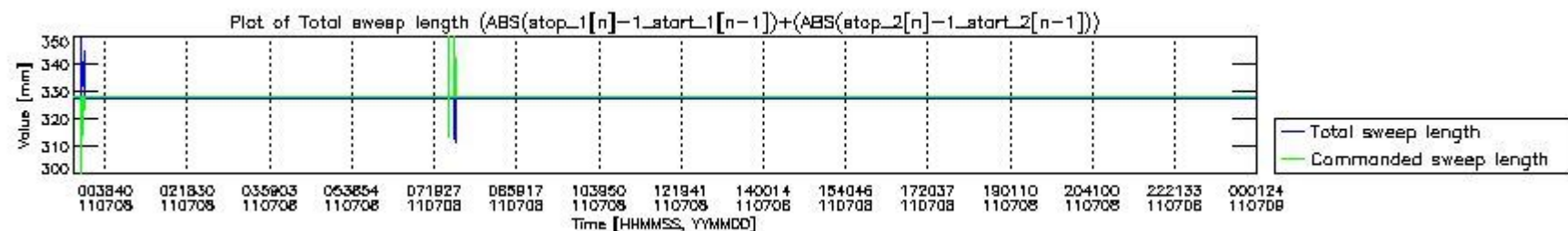
mipas_daily_report_level0_KSPT_L0_4504_N_20110708_3.PNG



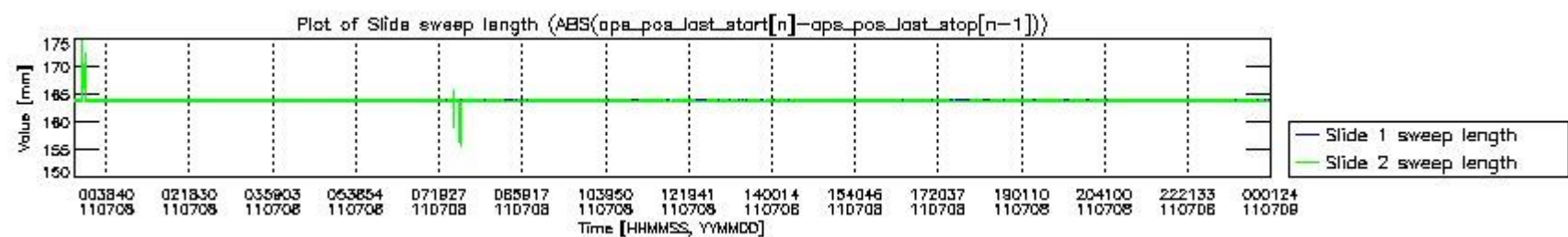
mipas_daily_report_level0_KSPT_L0_4504_N_20110708_4.PNG



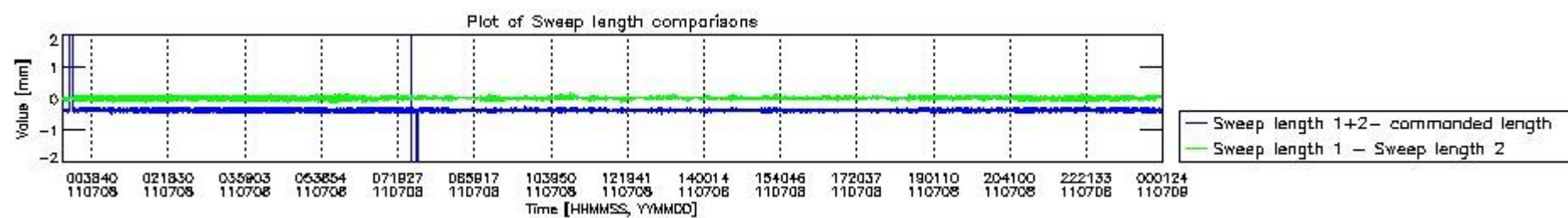
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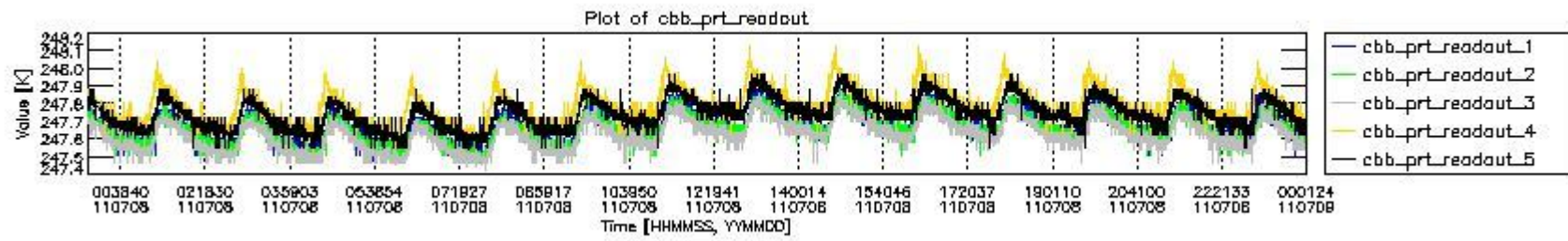
mipas_daily_report_level0_KSPT_L0_4504_N_20110708_6.PNG



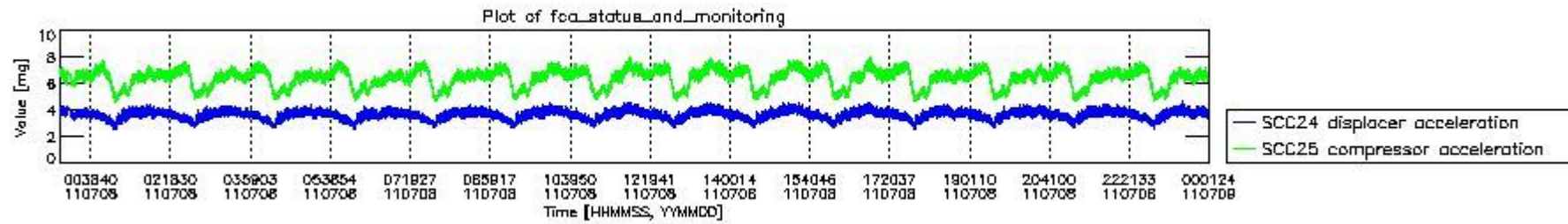
mipas_daily_report_level0_KSPT_L0_4504_N_20110708_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110708_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110708_9.PNG

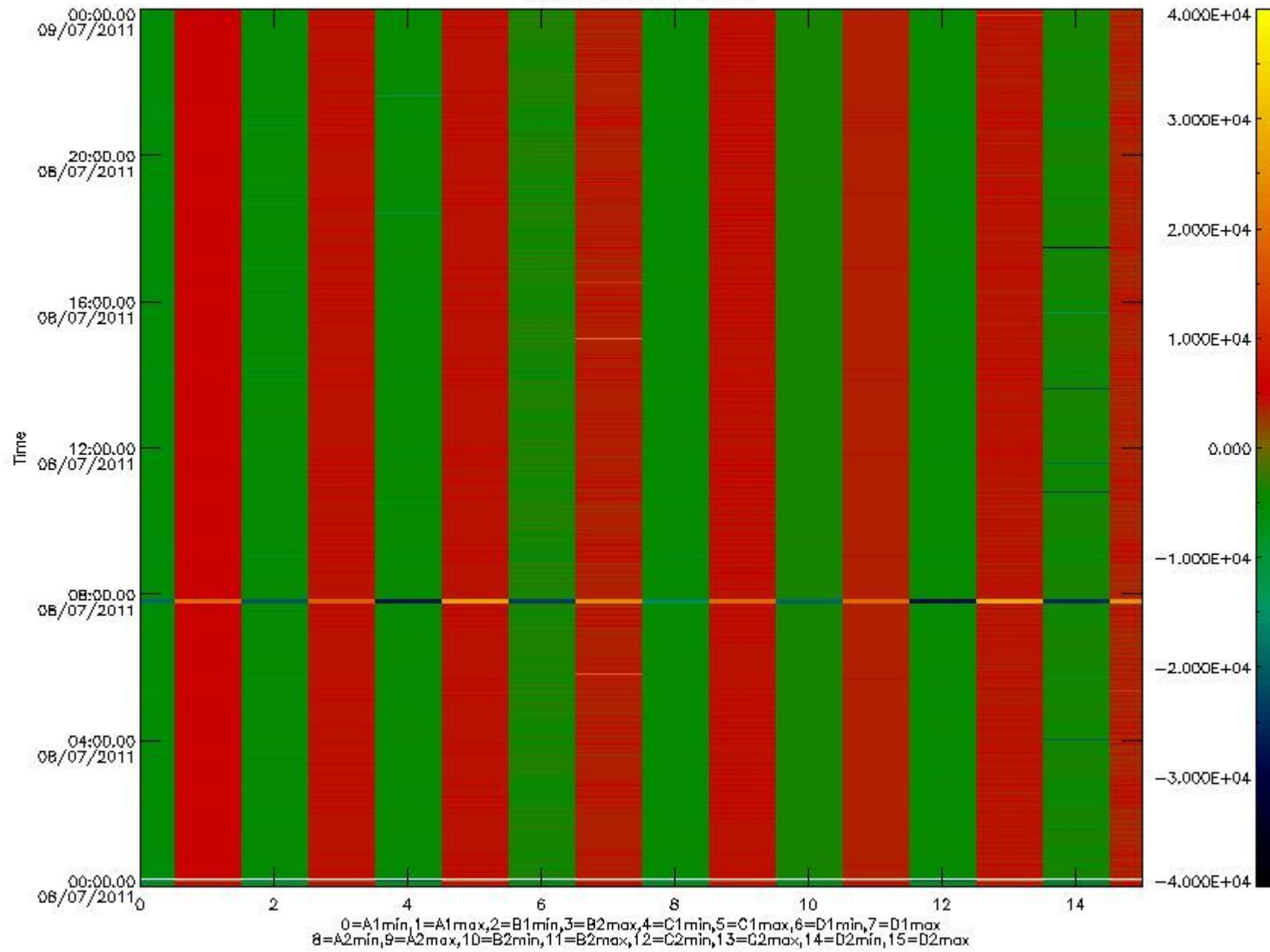


mipas_daily_report_level0_KSPT_L0_4504_N_20110708_10.PNG

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

Channel	Min	Max	ADC
A1	-18920	20088	16bit
B1	-21813	18626	16bit
C1	-27947	27942	16bit
D1	-23848	32767	16bit
A2	-16334	20265	16bit
B2	-20151	19720	16bit
C2	-29020	28778	16bit
D2	-32768	26101	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110708_11.PNG

0.3 ADF monitoring

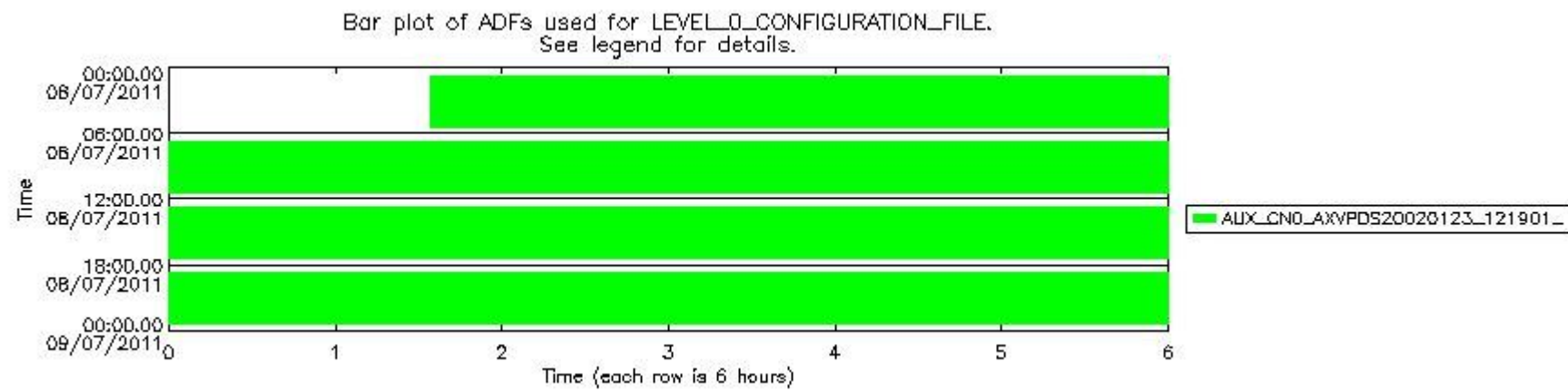
The use of ADFs is shown in two ways:

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.

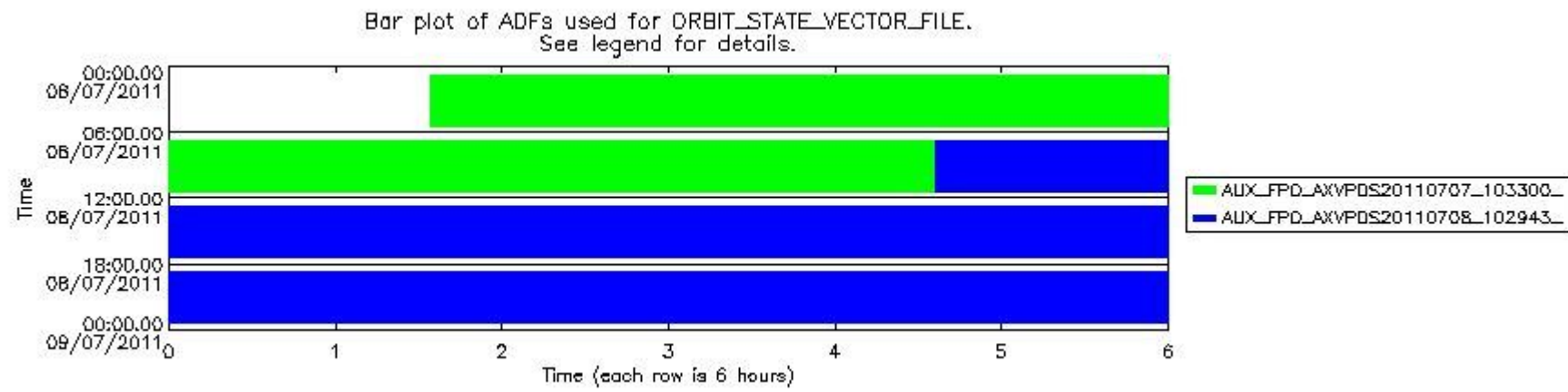
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110707_103300_20110706_194226_20110716_201559
2	AUX_FPO_AXVPDS20110708_102943_20110707_190542_20110717_211928

Number	Product name	#CN0	#FPO
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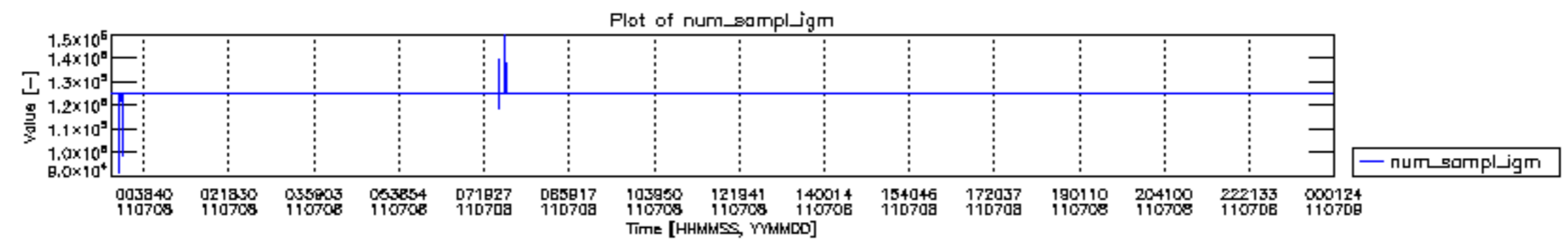
0	MIP_NL__0PNPDE20110708_013414_000043353104_00189_48910_9191.N1	0	1
1	MIP_NL__0PNPDE20110708_024555_000061523104_00190_48911_9192.N1	0	1
2	MIP_NL__0PNPDE20110708_042754_000060653104_00191_48912_9193.N1	0	1
3	MIP_NL__0PNPDK20110708_060828_000041243104_00192_48913_5698.N1	0	1
4	MIP_NL__0PNPDK20110708_071636_000060383104_00193_48914_5699.N1	0	1
5	MIP_NL__0PNPDK20110708_085630_000060233104_00194_48915_5700.N1	0	1
6	MIP_NL__0PNPDK20110708_103609_000014833104_00195_48916_5701.N1	0	2
7	MIP_NL__0PNPDK20110708_110052_000045123104_00195_48916_5702.N1	0	2
8	MIP_NL__0PNPDK20110708_121521_000059583104_00196_48917_5703.N1	0	2
9	MIP_NL__0PNPDK20110708_135405_000058933104_00197_48918_5704.N1	0	2
10	MIP_NL__0PNPDK20110708_153133_000059083104_00198_48919_5705.N1	0	2
11	MIP_NL__0PNPDK20110708_170917_000058723104_00199_48920_5706.N1	0	2
12	MIP_NL__0PNPDK20110708_184611_000059643104_00200_48921_5707.N1	0	2
13	MIP_NL__0PNPDE20110708_202401_000044233104_00201_48922_9194.N1	0	2
14	MIP_NL__0PNPDE20110708_213643_000061983104_00201_48922_9195.N1	0	2
15	MIP_NL__0PNPDE20110708_231901_000060583104_00202_48923_9196.N1	0	2

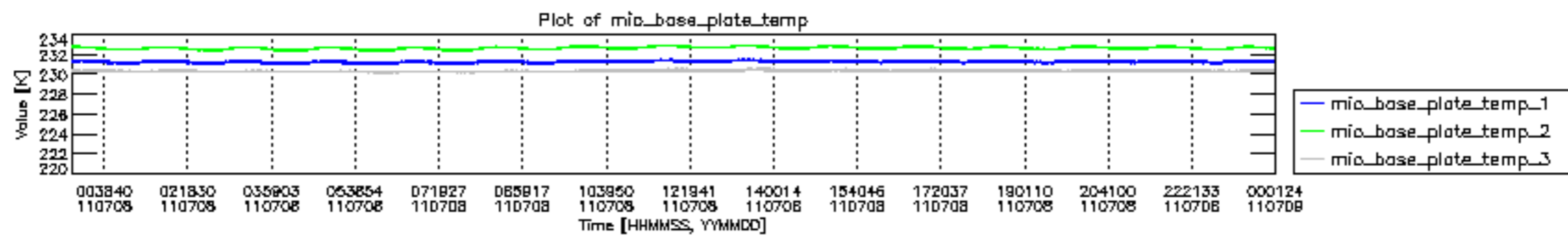


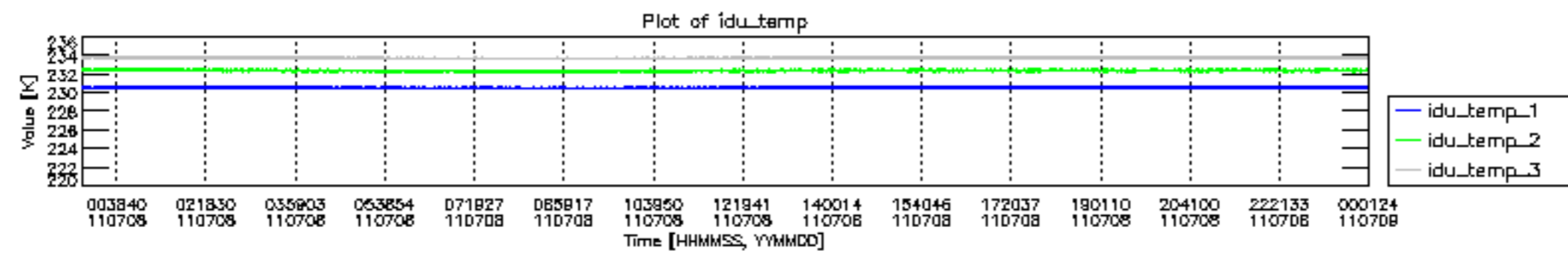
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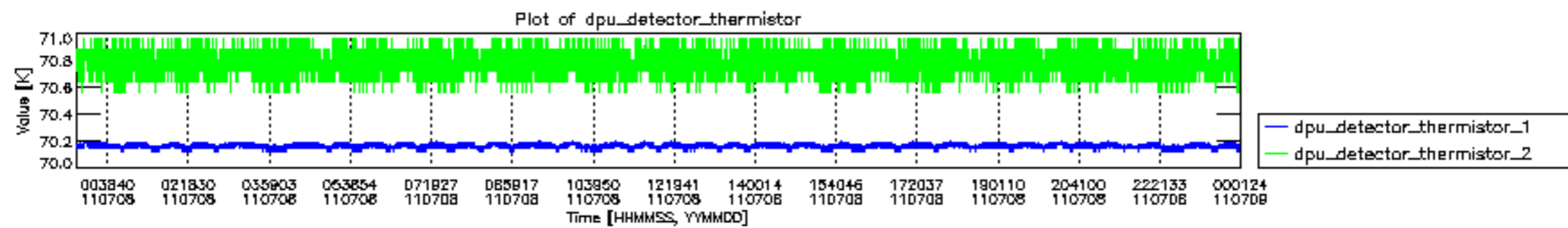


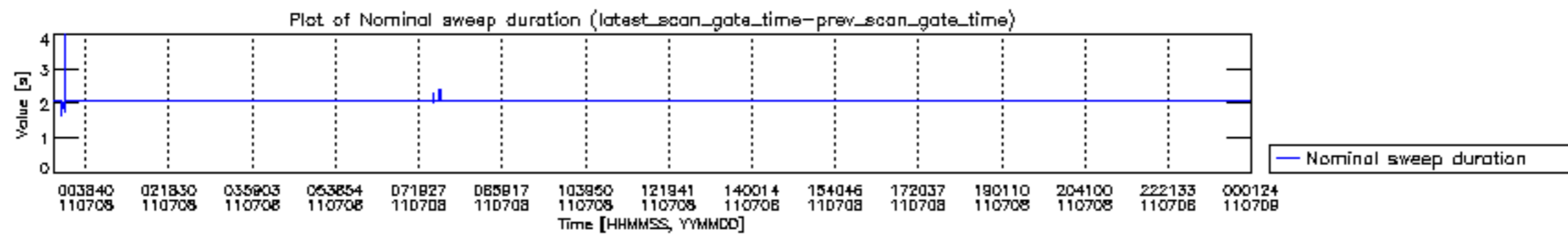
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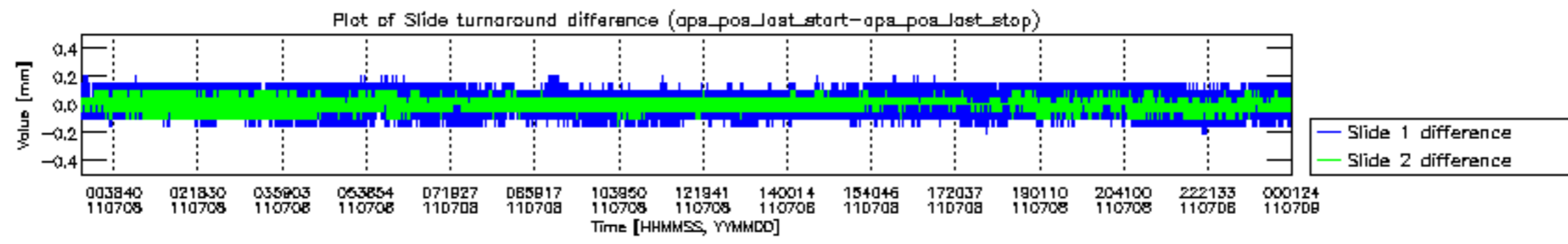


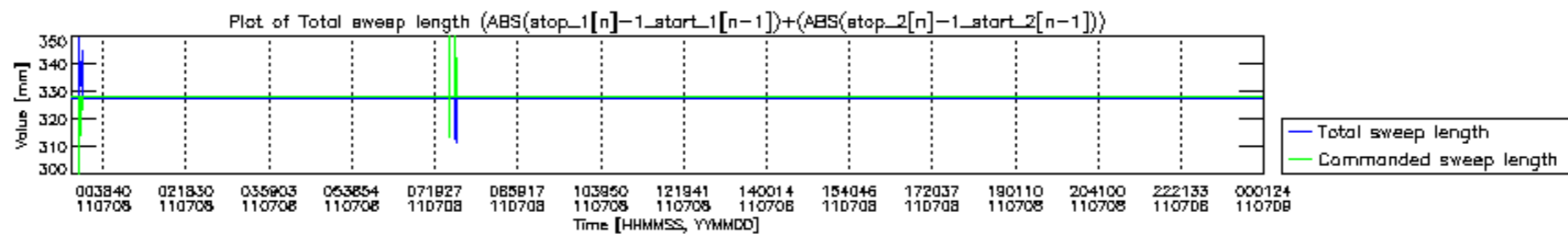


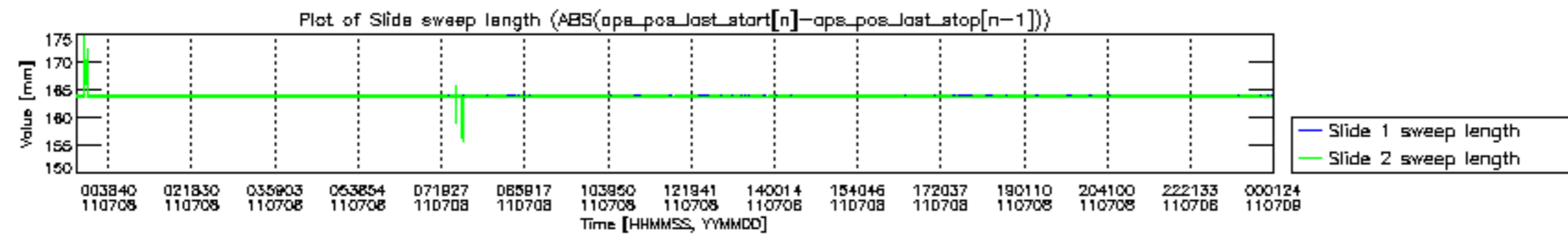


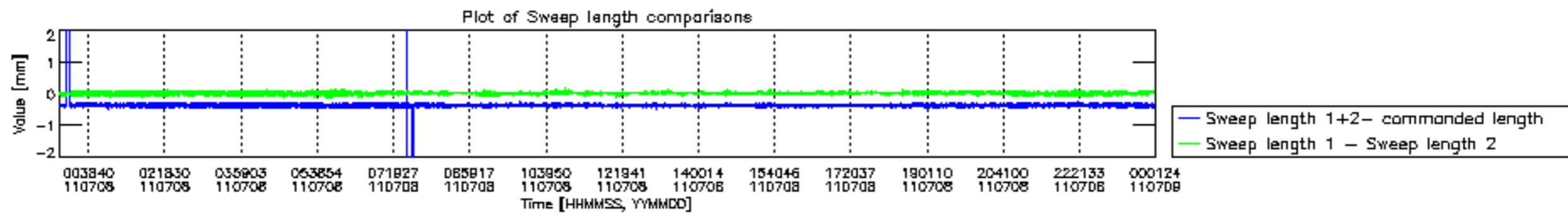


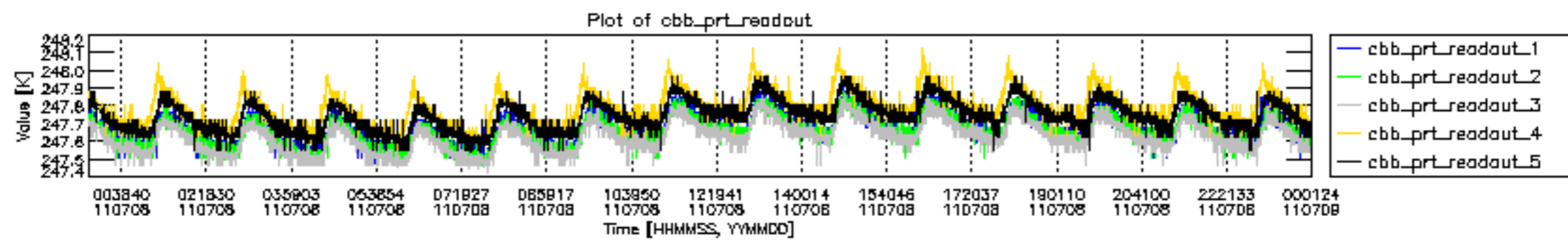


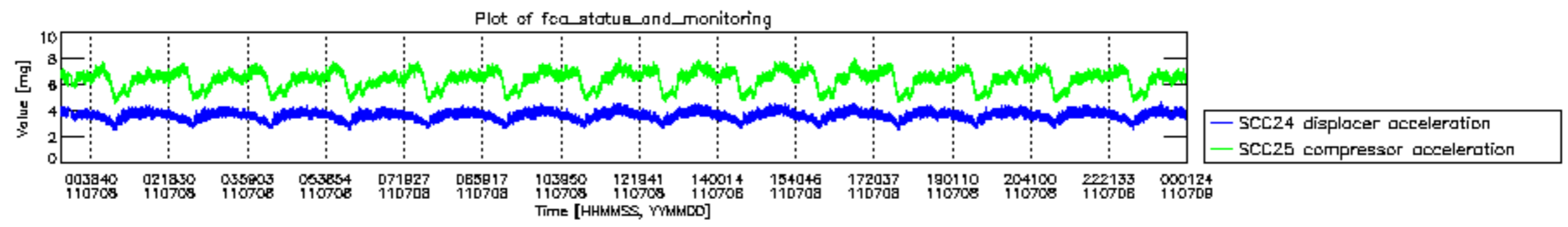












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

