

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	12JUL2011 05:24:12
Data source version	KSPT_L0/4504-N
Processing scope for products	07JUL2011 00:00:00 to 08JUL2011 00:00:00
Start time of first product within scope	07JUL2011 00:31:57
Stop time of last product within scope	08JUL2011 01:35:17
Total number of level 0 products	15
Number of level 0 products with errors	1

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__0PNPDE20110707_003157_000057993104_00174_48895_9184.N1	07JUL2011 00:31:57	07JUL2011 02:08:36	0	0	0	0	0
1	MIP_NL__0PNPDE20110707_032246_000061733104_00176_48897_9186.N1	07JUL2011 03:22:46	07JUL2011 05:05:39	0	0	0	0	0
2	MIP_NL__0PNPDE20110707_050506_000060293104_00177_48898_9187.N1	07JUL2011 05:05:06	07JUL2011 06:45:35	0	0	0	0	0
3	MIP_NL__0PNPDK20110707_064504_000040823104_00178_48899_5688.N1	07JUL2011 06:45:04	07JUL2011 07:53:06	0	0	0	0	0
4	MIP_NL__0PNPDK20110707_075232_000060703104_00179_48900_5689.N1	07JUL2011 07:52:32	07JUL2011 09:33:42	0	0	0	0	0
5	MIP_NL__0PNPDK20110707_093300_000060483104_00180_48901_5690.N1	07JUL2011 09:33:00	07JUL2011 11:13:48	0	0	0	0	0
6	MIP_NL__0PNPDK20110707_111314_000059603104_00181_48902_5691.N1	07JUL2011 11:13:14	07JUL2011 12:52:34	1	1	0	0	0
7	MIP_NL__0PNPDK20110707_125201_000059203104_00182_48903_5692.N1	07JUL2011 12:52:01	07JUL2011 14:30:41	0	0	0	0	0
8	MIP_NL__0PNPDK20110707_143010_000058703104_00183_48904_5693.N1	07JUL2011 14:30:10	07JUL2011 16:08:00	0	0	0	0	0
9	MIP_NL__0PNPDK20110707_160718_000058763104_00184_48905_5694.N1	07JUL2011 16:07:18	07JUL2011 17:45:15	0	0	0	0	0
10	MIP_NL__0PNPDK20110707_174423_000058973104_00185_48906_5695.N1	07JUL2011 17:44:23	07JUL2011 19:22:40	0	0	0	0	0
11	MIP_NL__0PNPDK20110707_192142_000061403104_00186_48907_5697.N1	07JUL2011 19:21:42	07JUL2011 21:04:01	0	0	0	0	0
12	MIP_NL__0PNPDE20110707_210238_000042493104_00187_48908_9188.N1	07JUL2011 21:02:38	07JUL2011 22:13:27	0	0	0	0	0
13	MIP_NL__0PNPDE20110707_221228_000061843104_00187_48908_9189.N1	07JUL2011 22:12:28	07JUL2011 23:55:32	0	0	0	0	0
14	MIP_NL__0PNPDE20110707_235431_000060453104_00188_48909_9190.N1	07JUL2011 23:54:31	08JUL2011 01:35:17	0	0	0	0	0

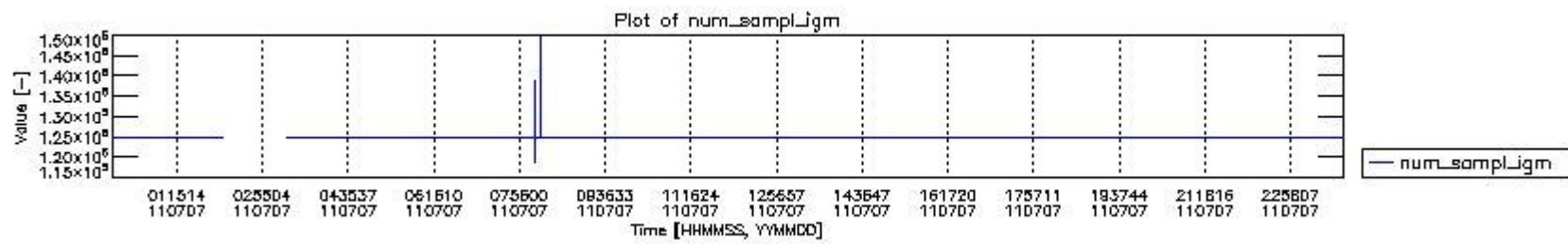
0.2 Instrument Operational Performance Parameters

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.

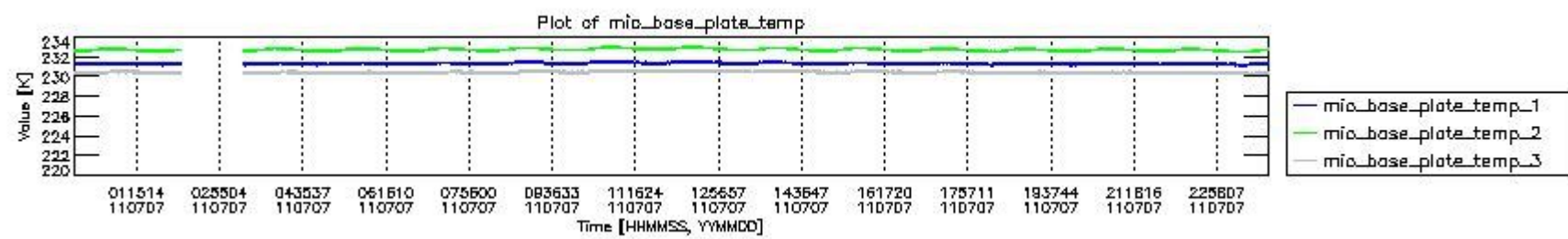
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
118535	1	0.0025344688
124800	36652	92.893350
124803	2798	7.0914436

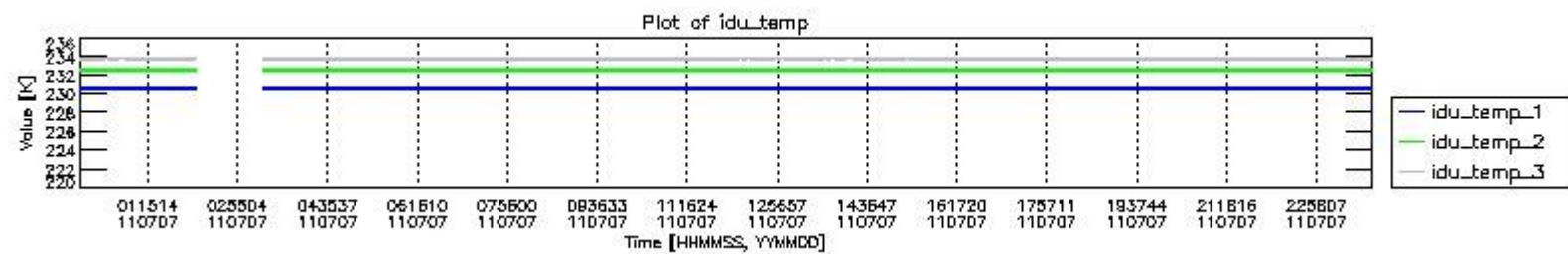
127159	1	0.0025344688
132402	1	0.0025344688
138667	1	0.0025344688
147291	1	0.0025344688
149650	1	0.0025344688



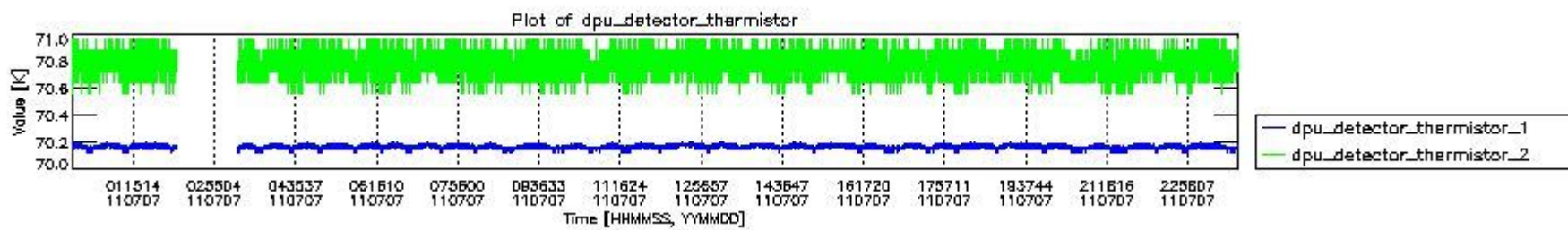
mipas_daily_report_level0_KSPT_L0_4504_N_20110707_0.PNG



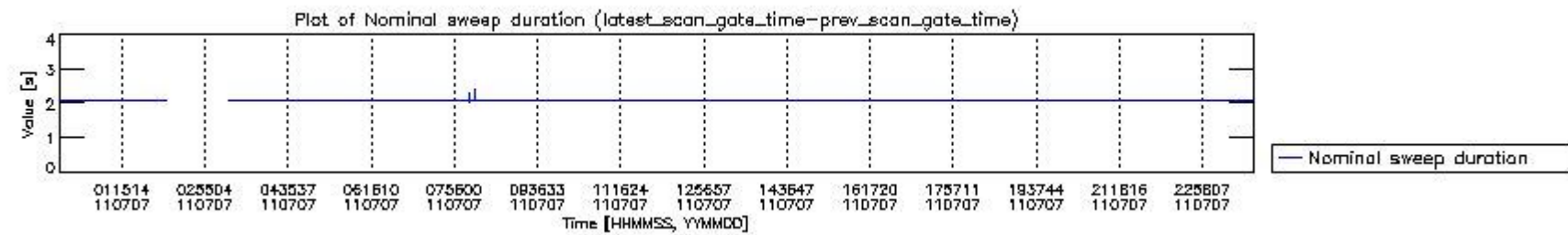
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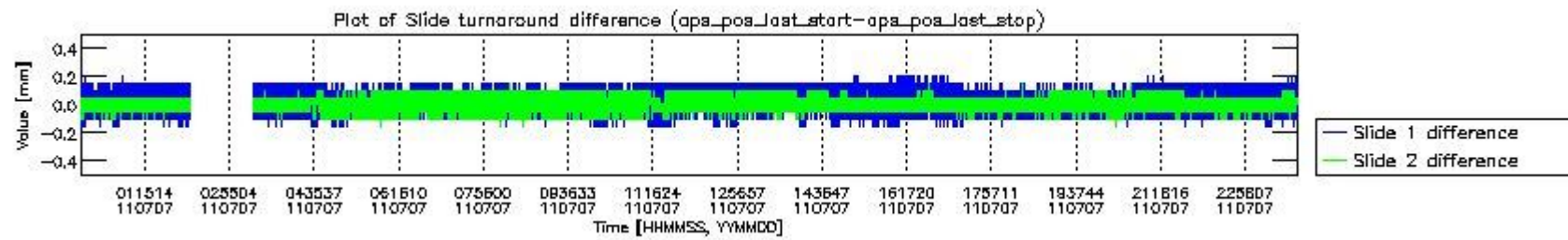
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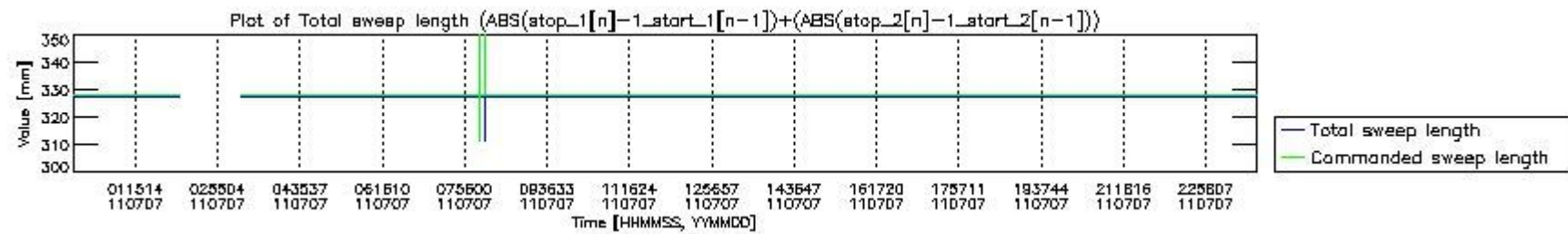
mipas_daily_report_level0_KSPT_L0_4504_N_20110707_3.PNG



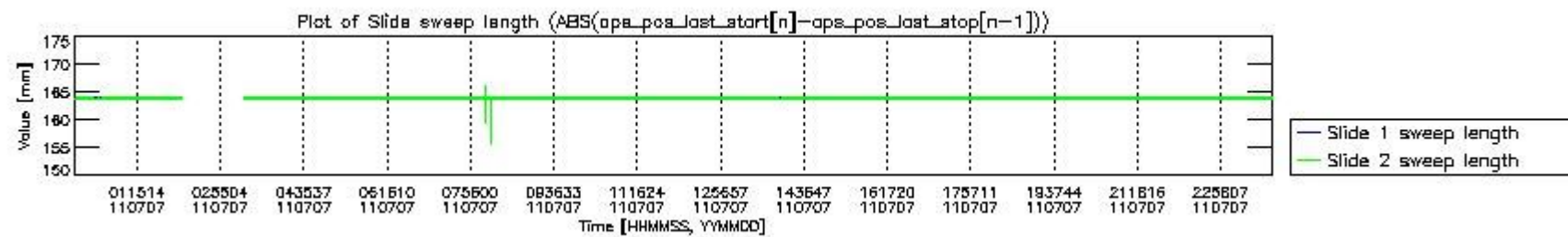
mipas_daily_report_level0_KSPT_L0_4504_N_20110707_4.PNG



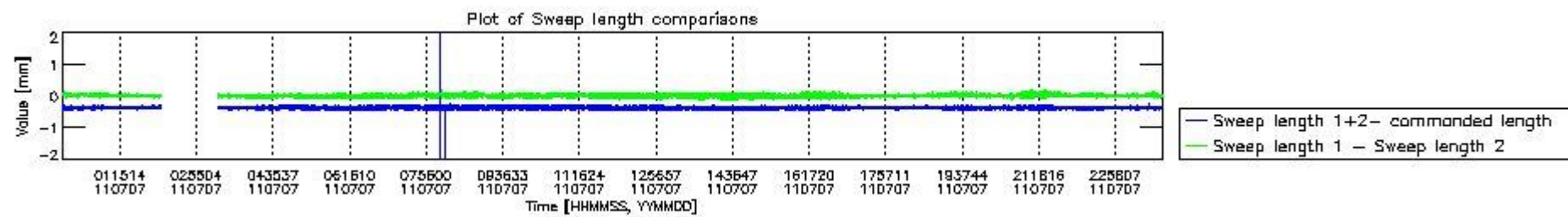
mipas_daily_report_level0_KSPT_L0_4504_N_20110707_5.PNG



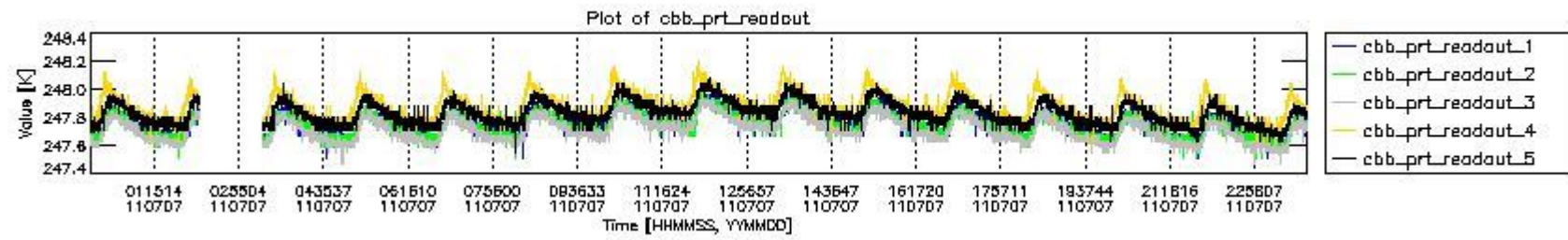
mipas_daily_report_level0_KSPT_L0_4504_N_20110707_6.PNG



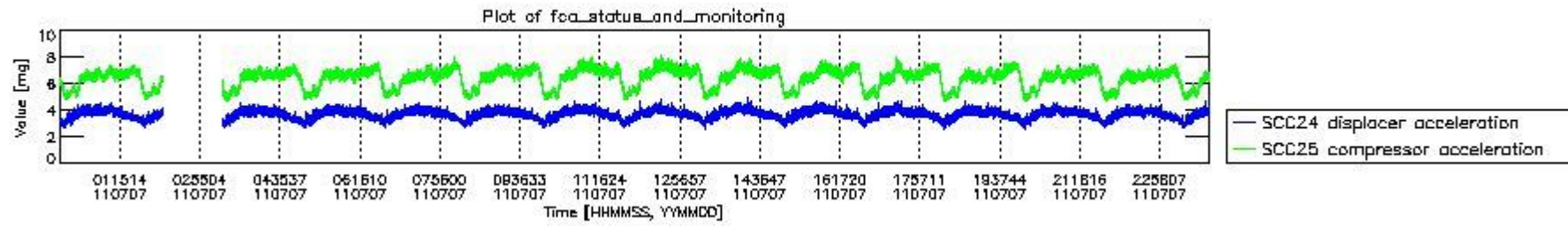
mipas_daily_report_level0_KSPT_L0_4504_N_20110707_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110707_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110707_9.PNG

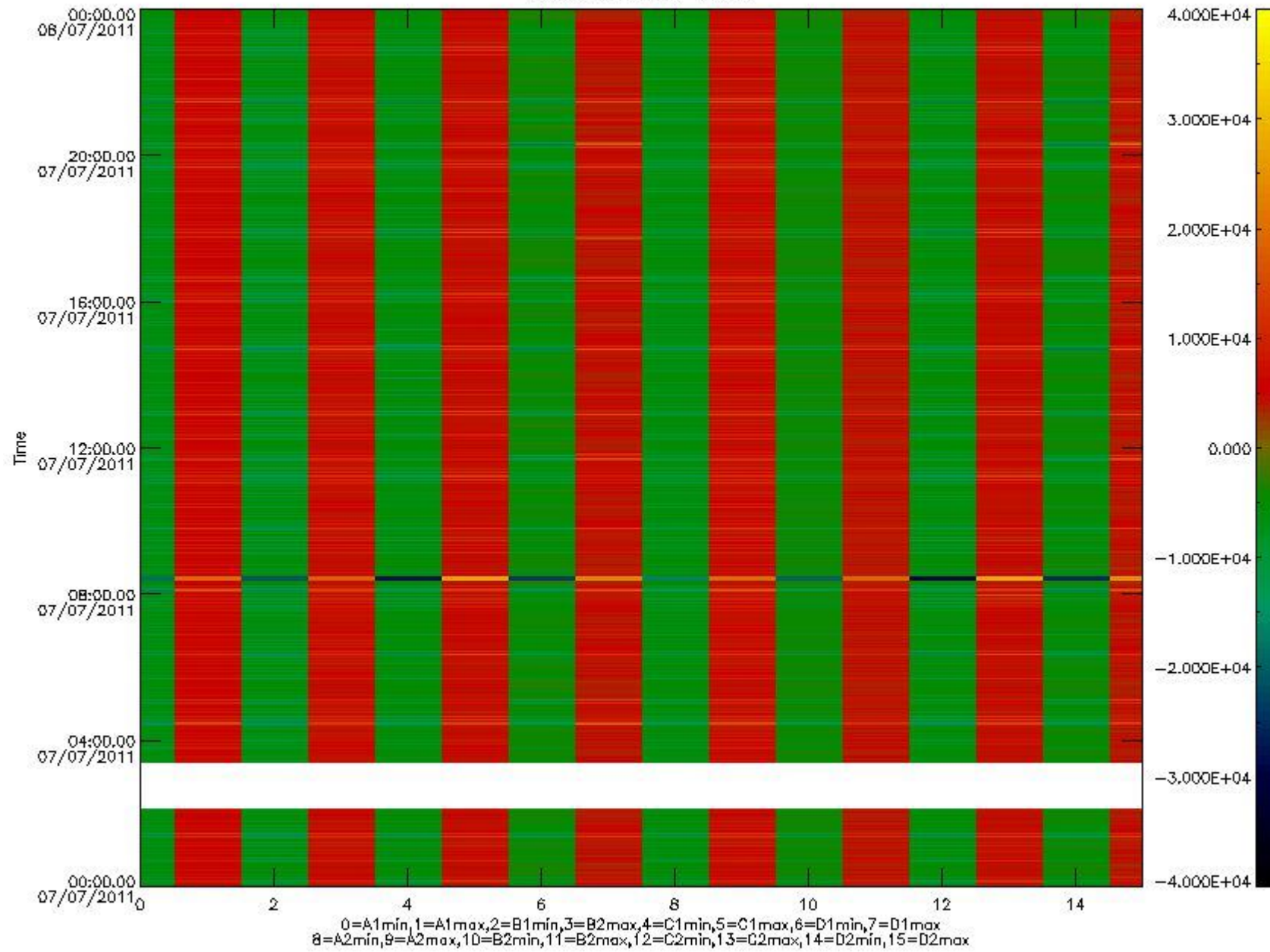


mipas_daily_report_level0_KSPT_L0_4504_N_20110707_10.PNG

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

Channel	Min	Max	ADC
A1	-18971	20546	16bit
B1	-21916	18696	16bit
C1	-28136	28140	16bit
D1	-32768	32767	16bit
A2	-16368	20330	16bit
B2	-20265	19813	16bit
C2	-29254	28923	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_20110707_11.PNG

0.3 ADF monitoring

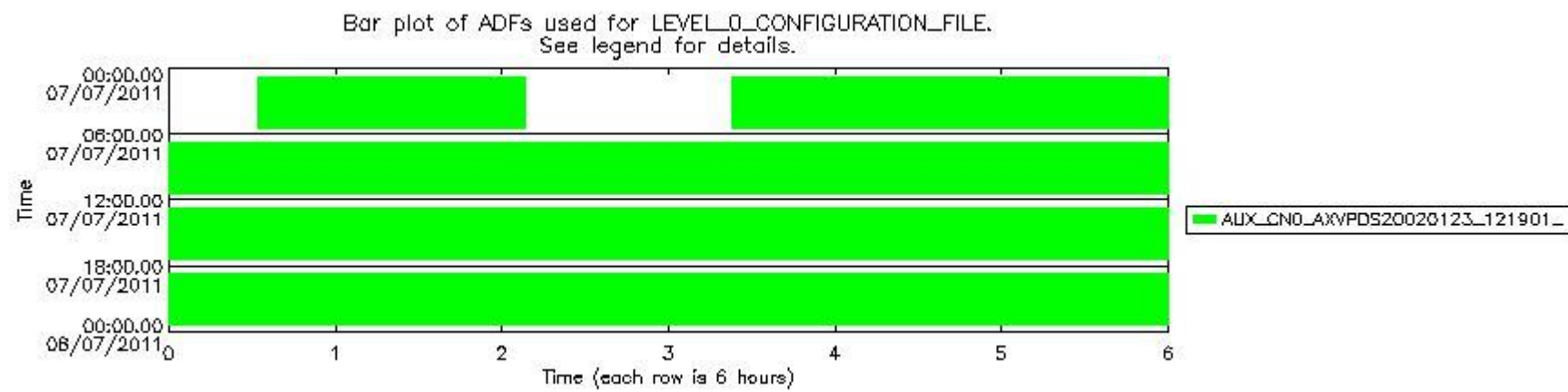
The use of ADFs is shown in two ways:

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.

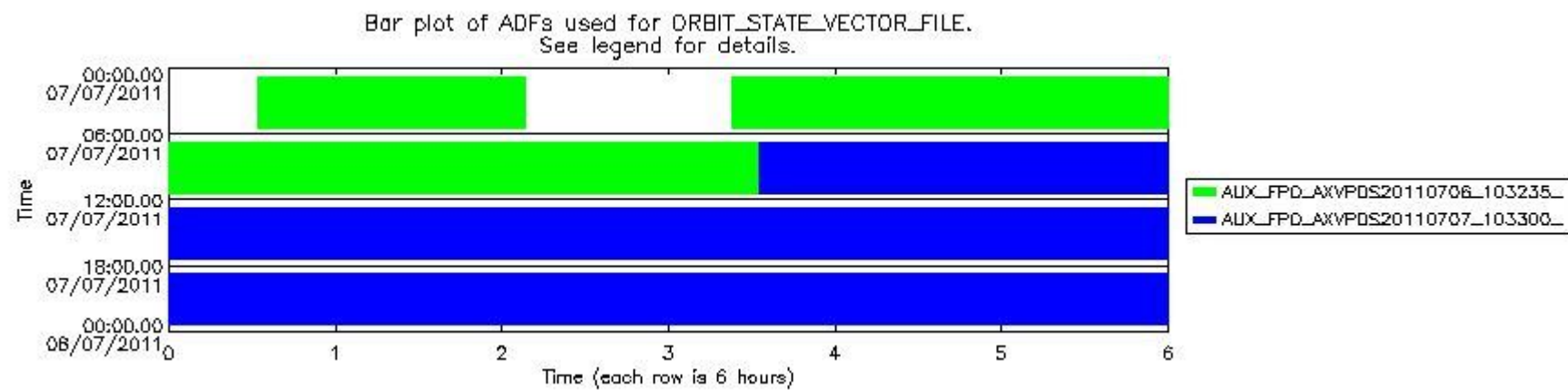
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110706_103235_20110705_183856_20110715_205243
2	AUX_FPO_AXVPDS20110707_103300_20110706_194226_20110716_201559

Number	Product name	#CN0	#FPO
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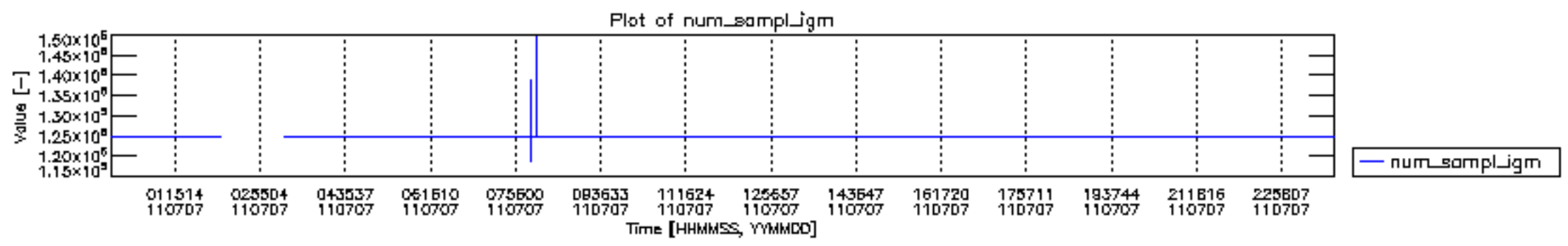
0	MIP_NL__0PNPDE20110707_003157_000057993104_00174_48895_9184.N1	0	1
1	MIP_NL__0PNPDE20110707_032246_000061733104_00176_48897_9186.N1	0	1
2	MIP_NL__0PNPDE20110707_050506_000060293104_00177_48898_9187.N1	0	1
3	MIP_NL__0PNPDK20110707_064504_000040823104_00178_48899_5688.N1	0	1
4	MIP_NL__0PNPDK20110707_075232_000060703104_00179_48900_5689.N1	0	1
5	MIP_NL__0PNPDK20110707_093300_000060483104_00180_48901_5690.N1	0	2
6	MIP_NL__0PNPDK20110707_111314_000059603104_00181_48902_5691.N1	0	2
7	MIP_NL__0PNPDK20110707_125201_000059203104_00182_48903_5692.N1	0	2
8	MIP_NL__0PNPDK20110707_143010_000058703104_00183_48904_5693.N1	0	2
9	MIP_NL__0PNPDK20110707_160718_000058763104_00184_48905_5694.N1	0	2
10	MIP_NL__0PNPDK20110707_174423_000058973104_00185_48906_5695.N1	0	2
11	MIP_NL__0PNPDK20110707_192142_000061403104_00186_48907_5697.N1	0	2
12	MIP_NL__0PNPDE20110707_210238_000042493104_00187_48908_9188.N1	0	2
13	MIP_NL__0PNPDE20110707_221228_000061843104_00187_48908_9189.N1	0	2
14	MIP_NL__0PNPDE20110707_235431_000060453104_00188_48909_9190.N1	0	2

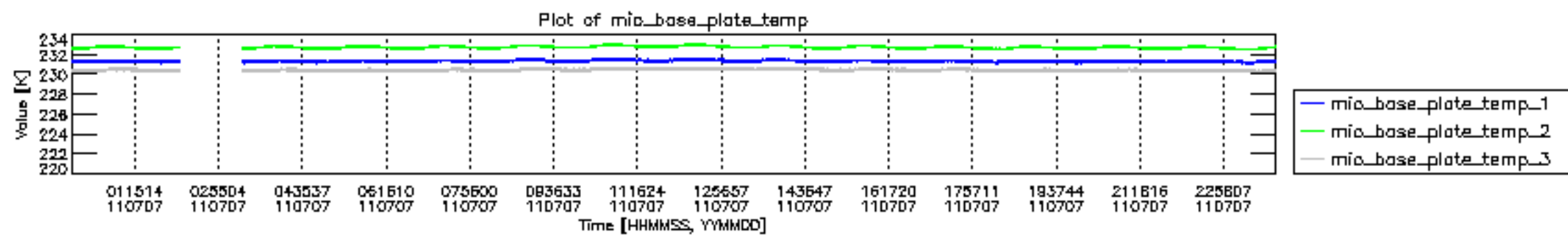


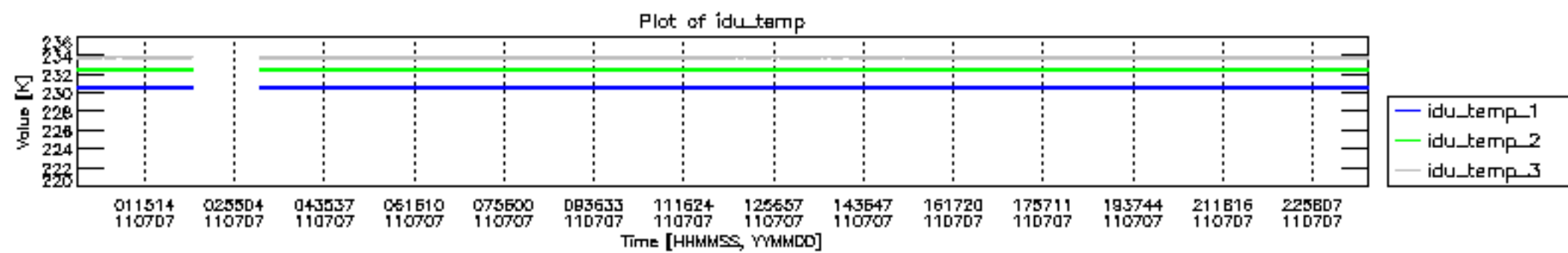
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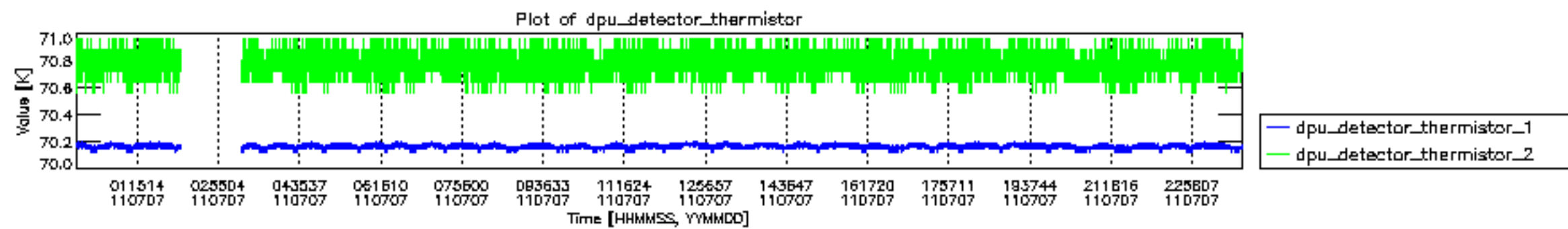


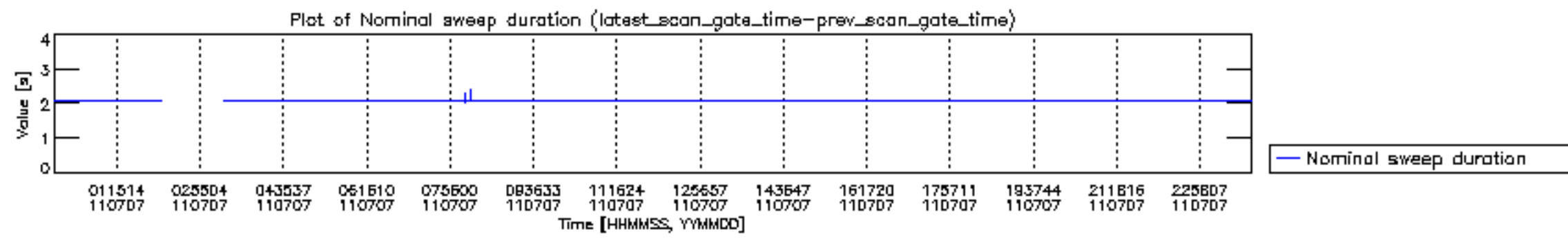
mipas_daily_report_level0_KSPT_L0_4504_N_20110707_13.PNG

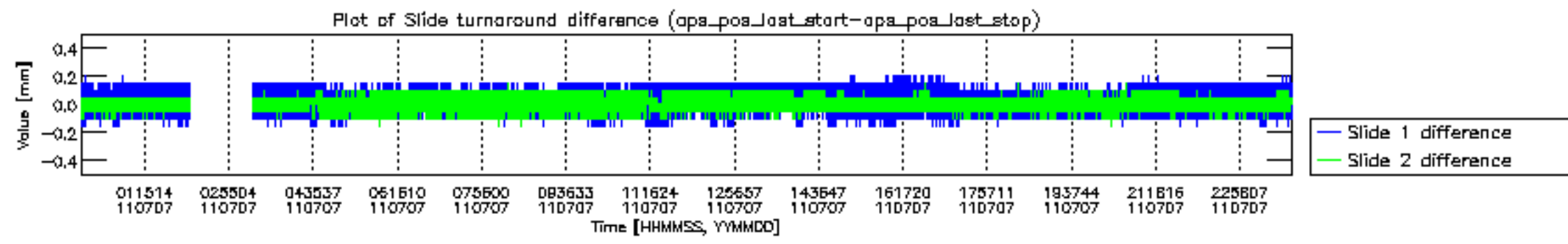


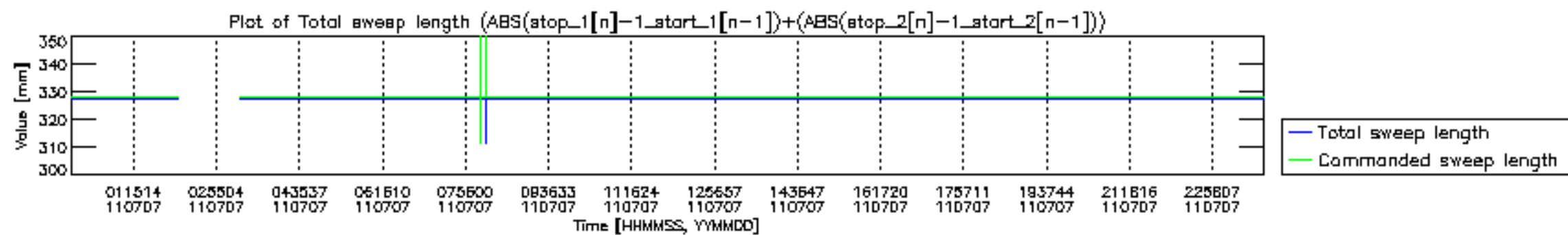


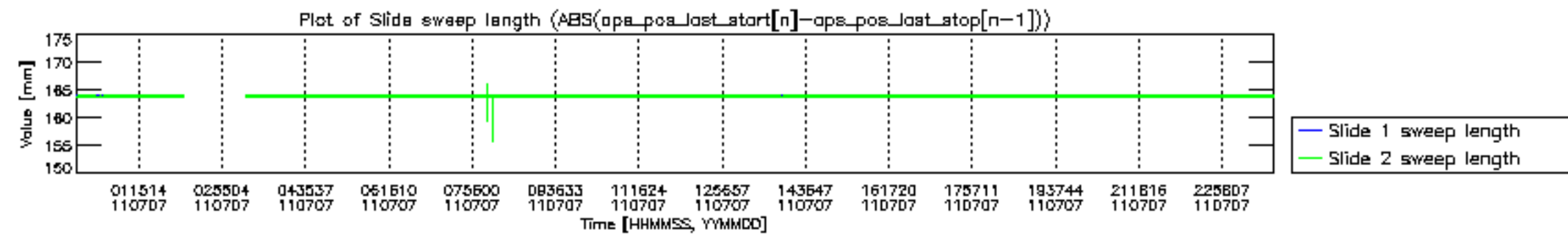


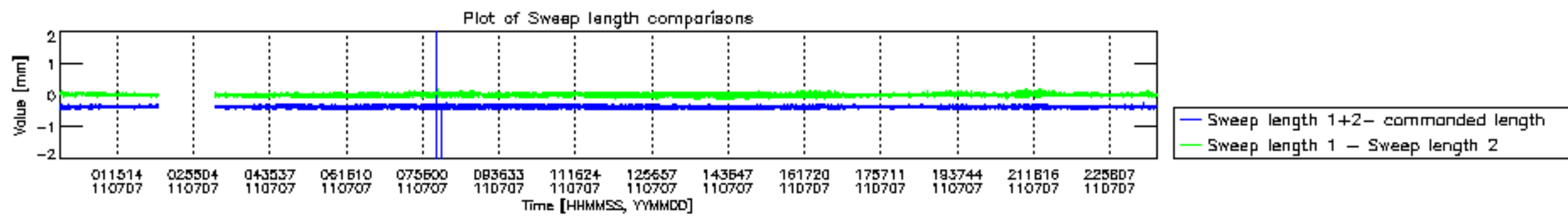


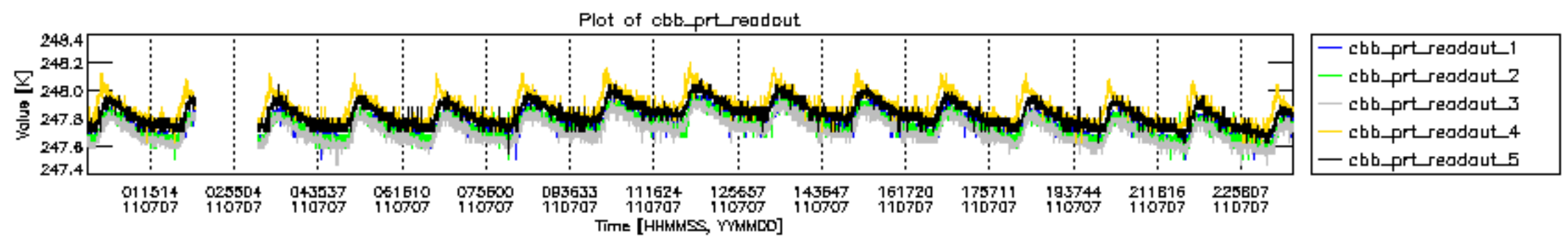


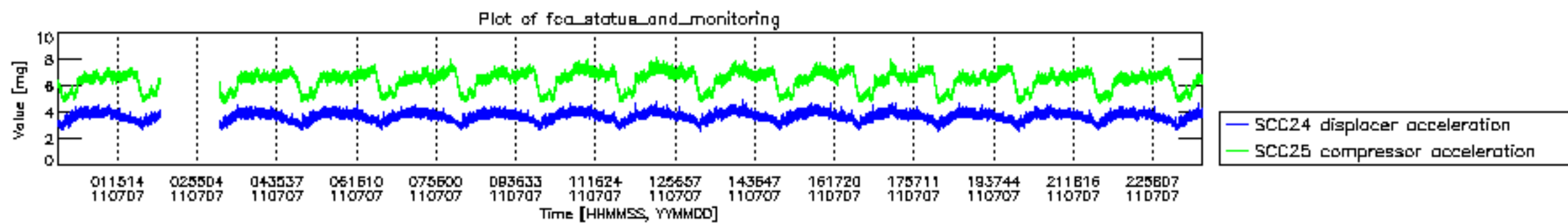












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

