

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	27JUL2011 05:22:46
Data source version	KSPT_L0/4504-N
Processing scope for products	22JUL2011 00:00:00 to 23JUL2011 00:00:00
Start time of first product within scope	22JUL2011 01:20:49
Stop time of last product within scope	23JUL2011 00:45:52
Total number of level 0 products	14
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__0PNPDE20110722_012049_000103093104_00390_49111_9284.N1	22JUL2011 01:20:49	22JUL2011 04:12:38	0	0	0	0	0
1	MIP_NL__0PNPDE20110722_041205_000062063104_00392_49113_9285.N1	22JUL2011 04:12:05	22JUL2011 05:55:32	0	0	0	0	0
2	MIP_NL__0PNPDE20110722_055500_000061863104_00393_49114_9286.N1	22JUL2011 05:55:00	22JUL2011 07:38:06	0	0	0	0	0
3	MIP_NL__0PNPDK20110722_073732_000038533104_00394_49115_5837.N1	22JUL2011 07:37:32	22JUL2011 08:41:45	0	0	0	0	0
4	MIP_NL__0PNPDK20110722_084108_000061293104_00395_49116_5838.N1	22JUL2011 08:41:08	22JUL2011 10:23:17	0	0	0	0	0
5	MIP_NL__0PNPDK20110722_102233_000060073104_00396_49117_5839.N1	22JUL2011 10:22:33	22JUL2011 12:02:40	0	0	0	0	0
6	MIP_NL__0PNPDK20110722_120156_000059333104_00397_49118_5840.N1	22JUL2011 12:01:56	22JUL2011 13:40:49	0	0	0	0	0
7	MIP_NL__0PNPDK20110722_134005_000059103104_00398_49119_5841.N1	22JUL2011 13:40:05	22JUL2011 15:18:35	0	0	0	0	0
8	MIP_NL__0PNPDK20110722_151751_000059563104_00399_49120_5842.N1	22JUL2011 15:17:51	22JUL2011 16:57:07	0	0	0	0	0
9	MIP_NL__0PNPDK20110722_165633_000058623104_00400_49121_5843.N1	22JUL2011 16:56:33	22JUL2011 18:34:15	0	0	0	0	0
10	MIP_NL__0PNPDK20110722_183321_000060313104_00401_49122_5844.N1	22JUL2011 18:33:21	22JUL2011 20:13:52	0	0	0	0	0
11	MIP_NL__0PNPDE20110722_201249_000041843104_00402_49123_9287.N1	22JUL2011 20:12:49	22JUL2011 21:22:34	0	0	0	0	0
12	MIP_NL__0PNPDE20110722_212129_000063233104_00402_49123_9288.N1	22JUL2011 21:21:29	22JUL2011 23:06:52	0	0	0	0	0
13	MIP_NL__0PNPDE20110722_230548_000060043104_00403_49124_9289.N1	22JUL2011 23:05:48	23JUL2011 00:45:52	0	0	0	0	0

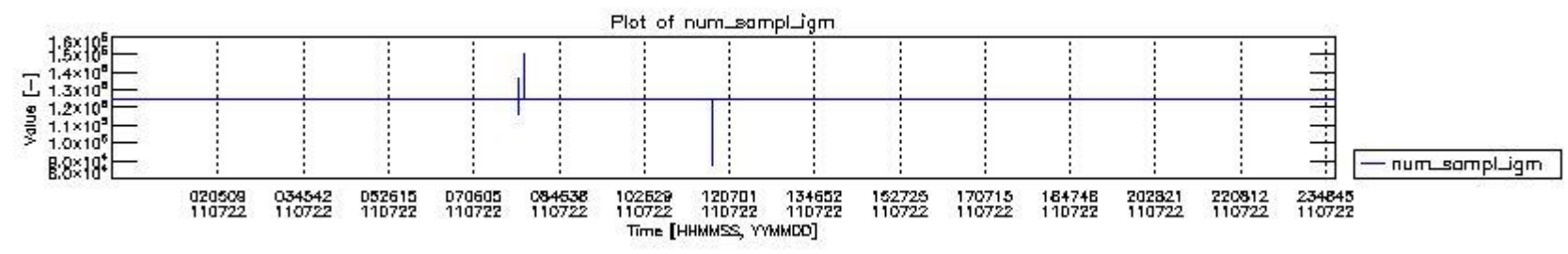
0.2 Instrument Operational Performance Parameters

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.

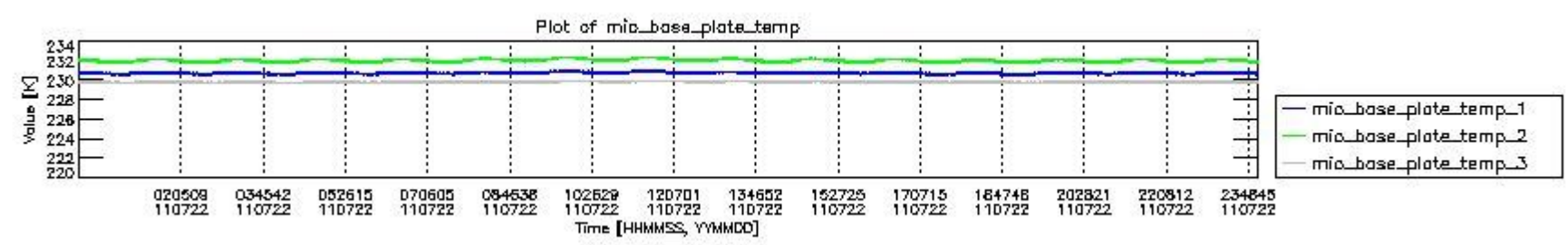
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
87500	1	0.0024078399
96084	1	0.0024078399
116216	1	0.0024078399
116379	1	0.0024078399

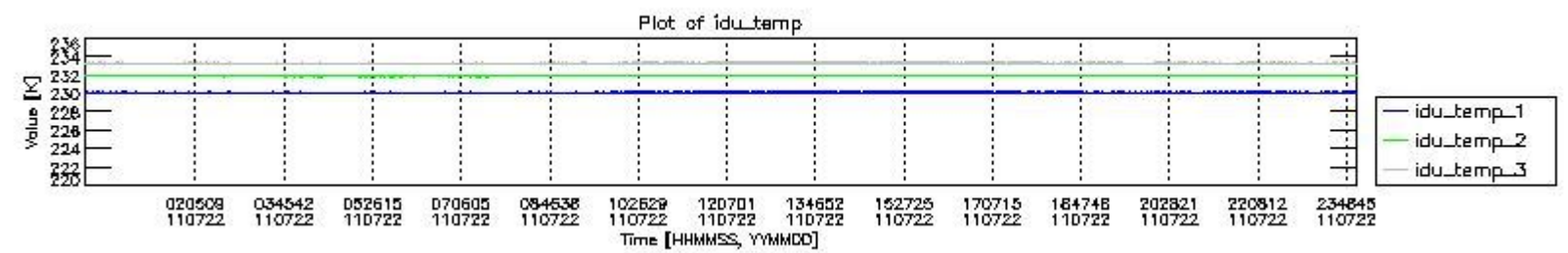
124800	38573	92.877609
124803	2949	7.1007199
127456	1	0.0024078399
128090	1	0.0024078399
136511	1	0.0024078399
147588	1	0.0024078399
150244	1	0.0024078399



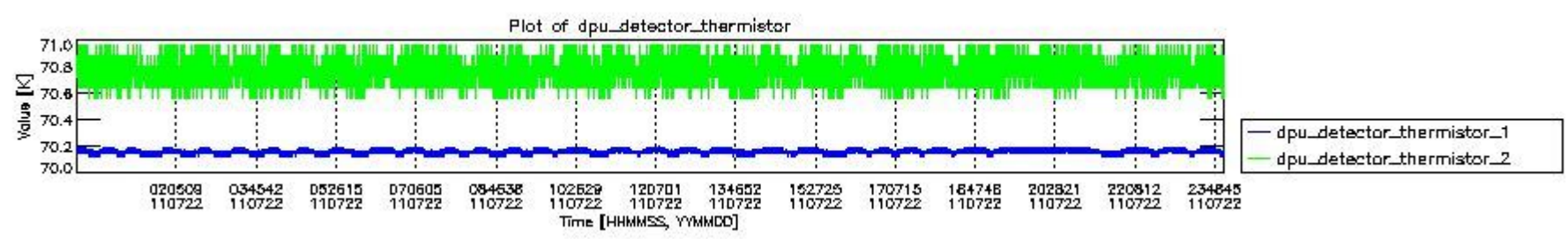
mipas_daily_report_level0_KSPT_L0_4504_N_20110722_0.PNG



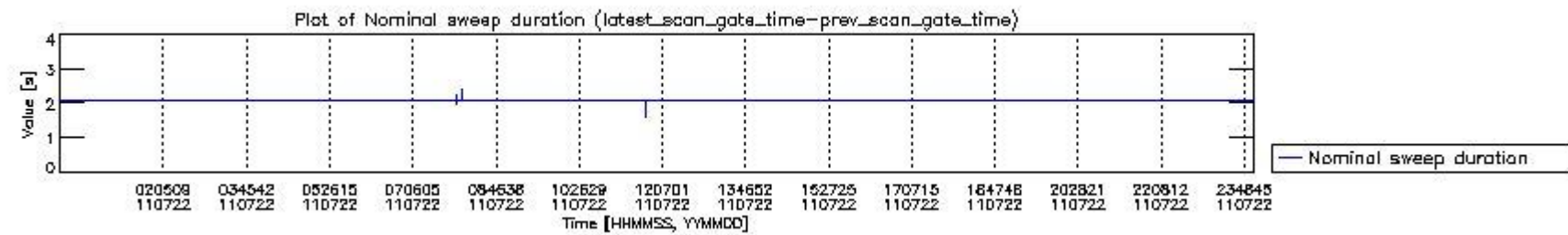
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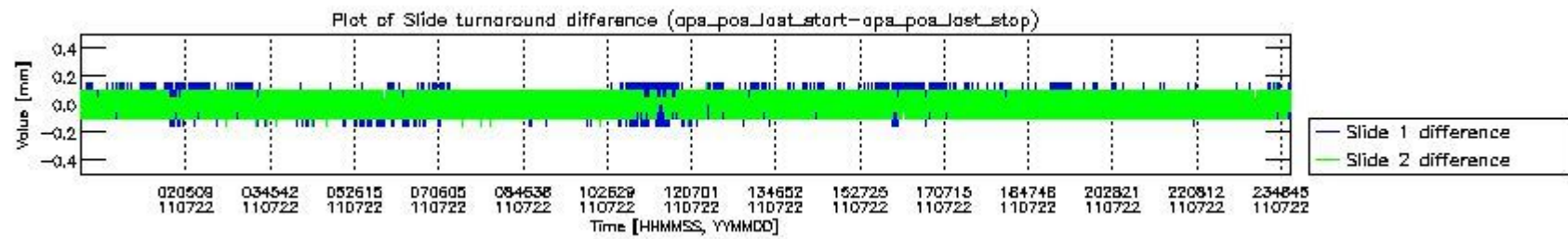
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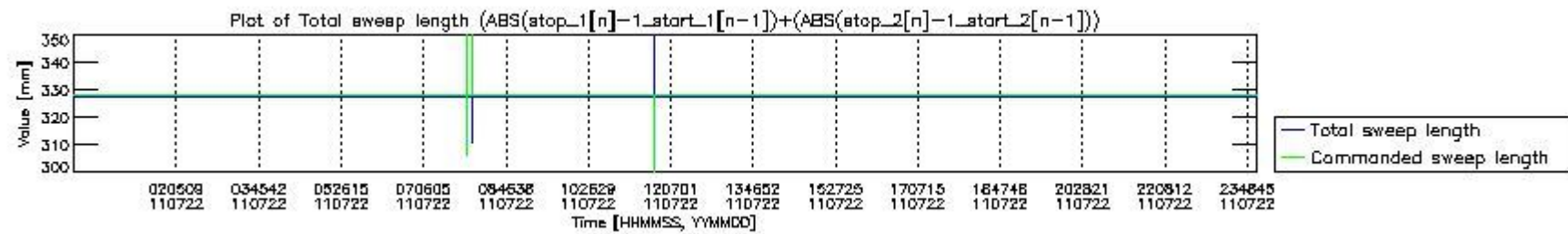
mipas_daily_report_level0_KSPT_L0_4504_N_20110722_3.PNG



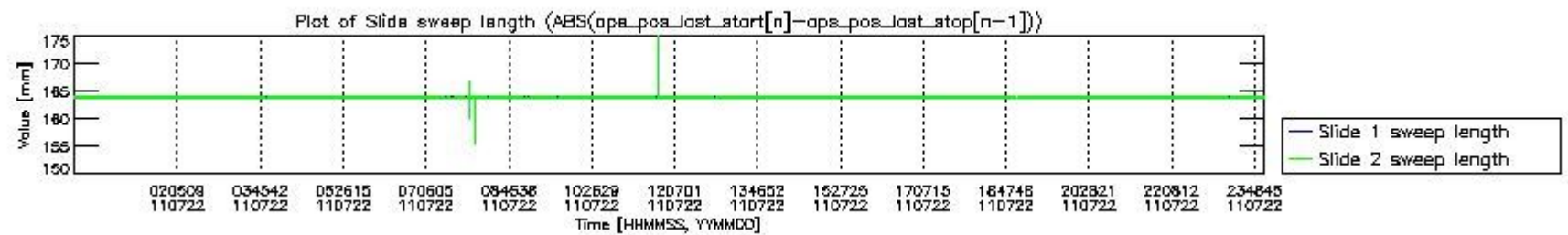
mipas_daily_report_level0_KSPT_L0_4504_N_20110722_4.PNG



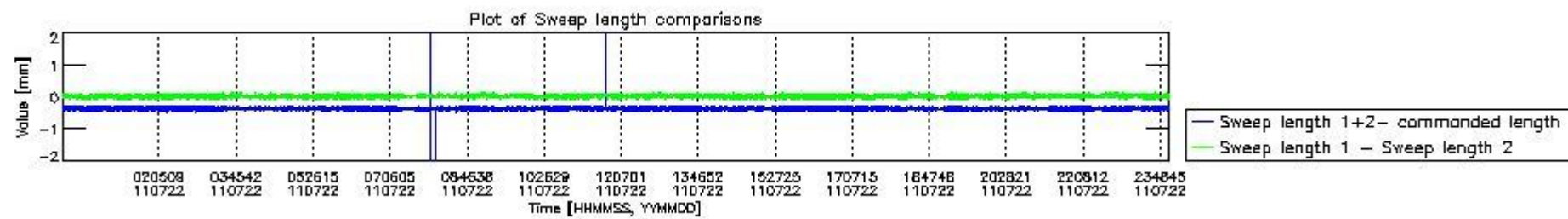
mipas_daily_report_level0_KSPT_L0_4504_N_20110722_5.PNG



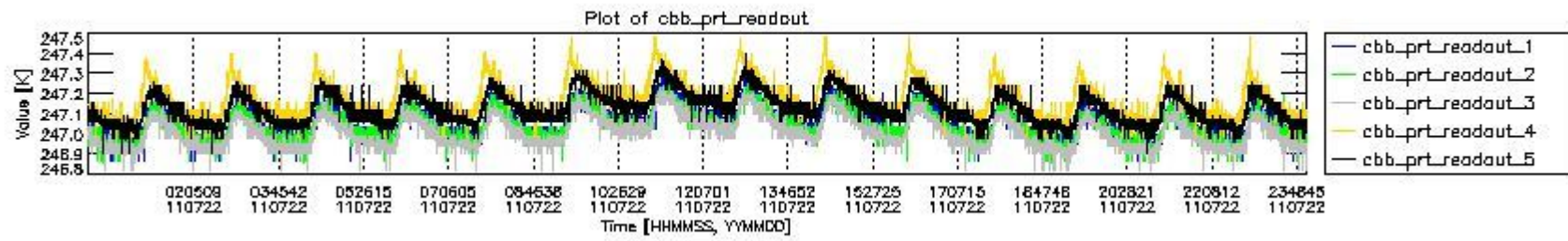
mipas_daily_report_level0_KSPT_L0_4504_N_20110722_6.PNG



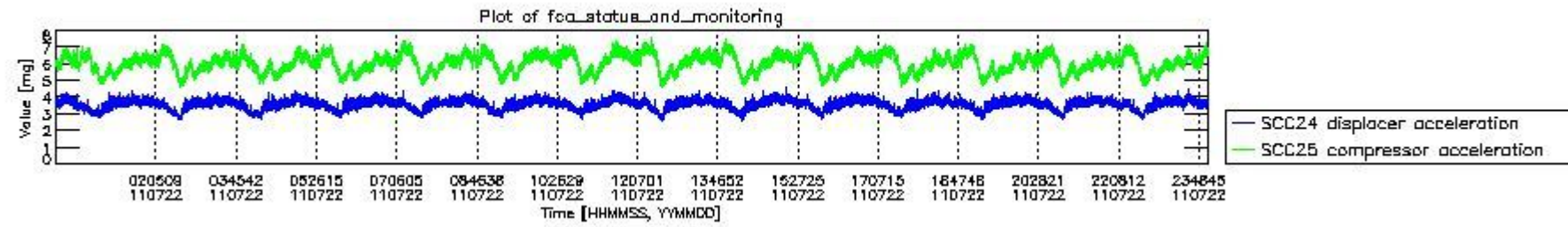
mipas_daily_report_level0_KSPT_L0_4504_N_20110722_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110722_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110722_9.PNG

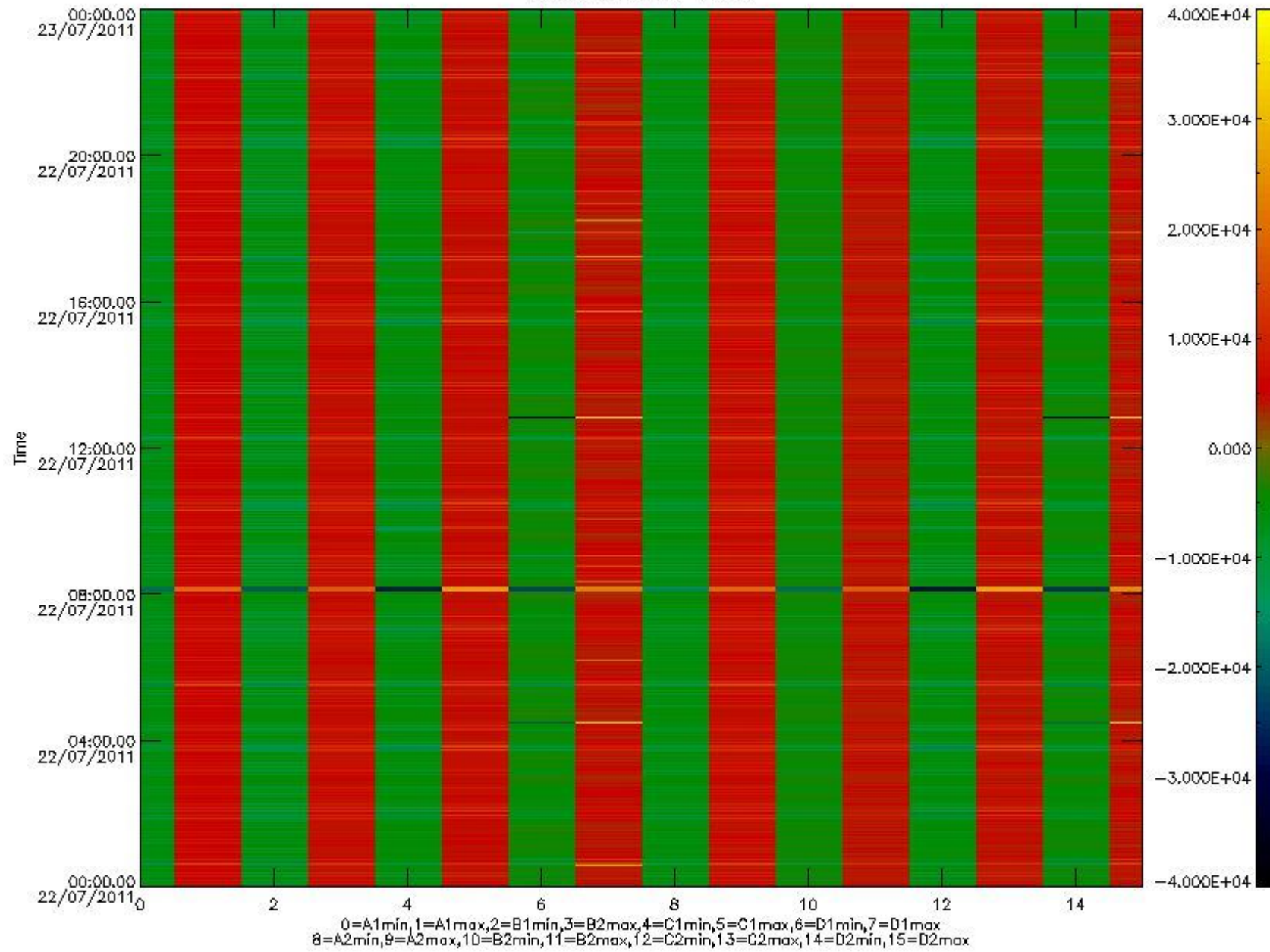


mipas_daily_report_level0_KSPT_L0_4504_N_20110722_10.PNG

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

Channel	Min	Max	ADC
A1	-18962	20013	16bit
B1	-21529	18429	16bit
C1	-27476	27349	16bit
D1	-32768	32767	16bit
A2	-16195	20082	16bit
B2	-19866	19431	16bit
C2	-28546	28158	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_20110722_11.PNG

0.3 ADF monitoring

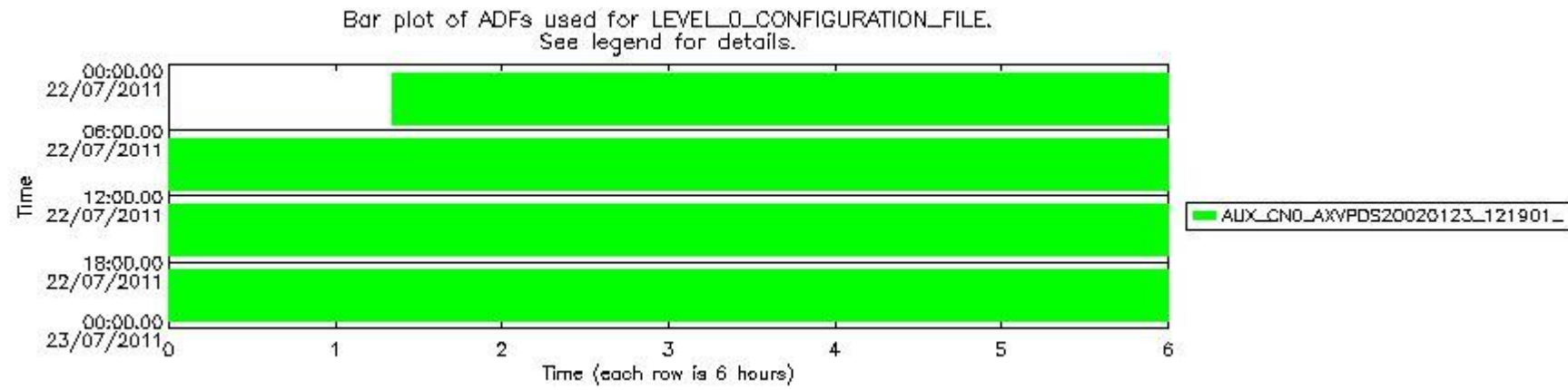
The use of ADFs is shown in two ways:

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.

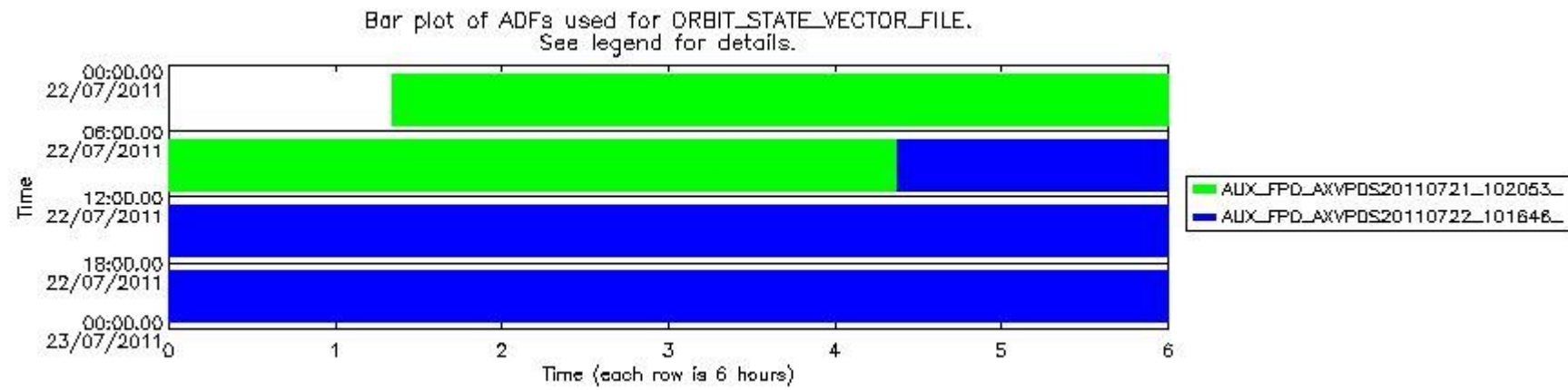
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110721_102053_20110720_192917_20110730_200250
2	AUX_FPO_AXVPDS20110722_101646_20110721_185232_20110731_210619

Number	Product name	#CN0	#FPO
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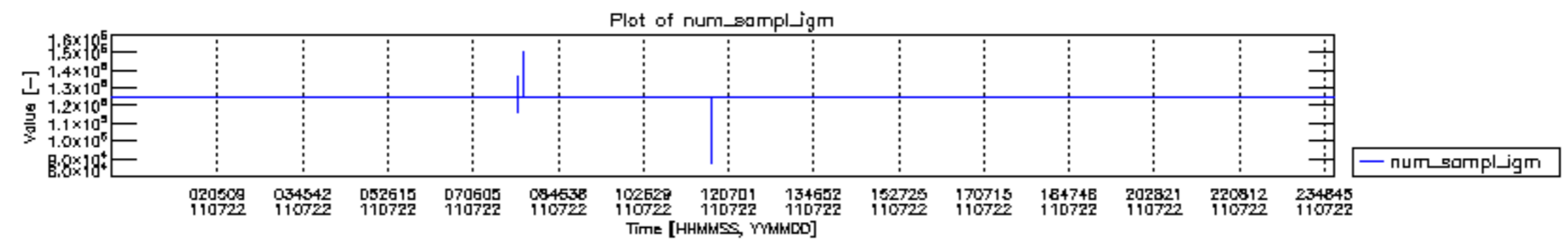
0	MIP_NL__0PNPDE20110722_012049_000103093104_00390_49111_9284.N1	0	1
1	MIP_NL__0PNPDE20110722_041205_000062063104_00392_49113_9285.N1	0	1
2	MIP_NL__0PNPDE20110722_055500_000061863104_00393_49114_9286.N1	0	1
3	MIP_NL__0PNPDK20110722_073732_000038533104_00394_49115_5837.N1	0	1
4	MIP_NL__0PNPDK20110722_084108_000061293104_00395_49116_5838.N1	0	1
5	MIP_NL__0PNPDK20110722_102233_000060073104_00396_49117_5839.N1	0	2
6	MIP_NL__0PNPDK20110722_120156_000059333104_00397_49118_5840.N1	0	2
7	MIP_NL__0PNPDK20110722_134005_000059103104_00398_49119_5841.N1	0	2
8	MIP_NL__0PNPDK20110722_151751_000059563104_00399_49120_5842.N1	0	2
9	MIP_NL__0PNPDK20110722_165633_000058623104_00400_49121_5843.N1	0	2
10	MIP_NL__0PNPDK20110722_183321_000060313104_00401_49122_5844.N1	0	2
11	MIP_NL__0PNPDE20110722_201249_000041843104_00402_49123_9287.N1	0	2
12	MIP_NL__0PNPDE20110722_212129_000063233104_00402_49123_9288.N1	0	2
13	MIP_NL__0PNPDE20110722_230548_000060043104_00403_49124_9289.N1	0	2

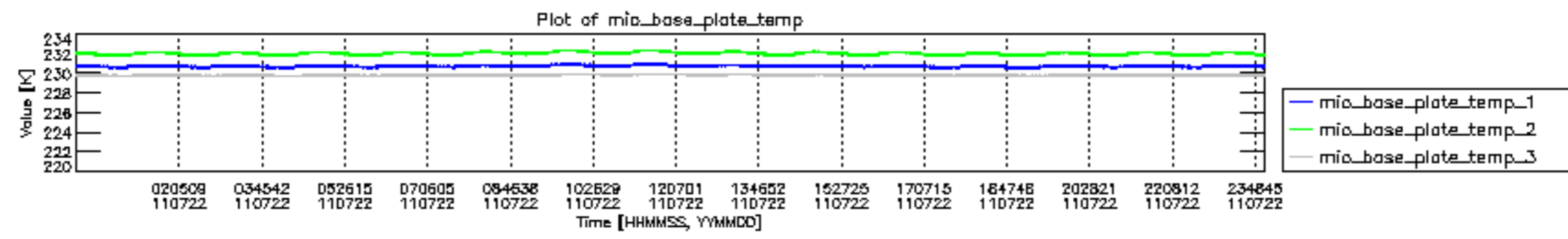


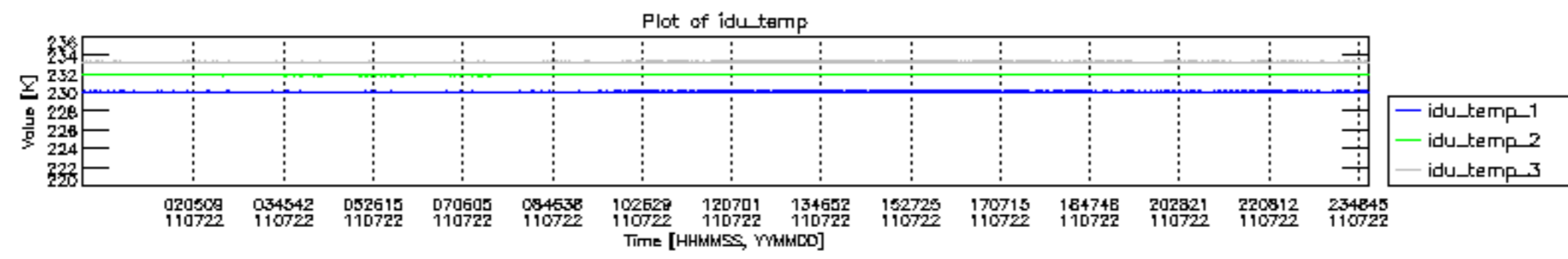
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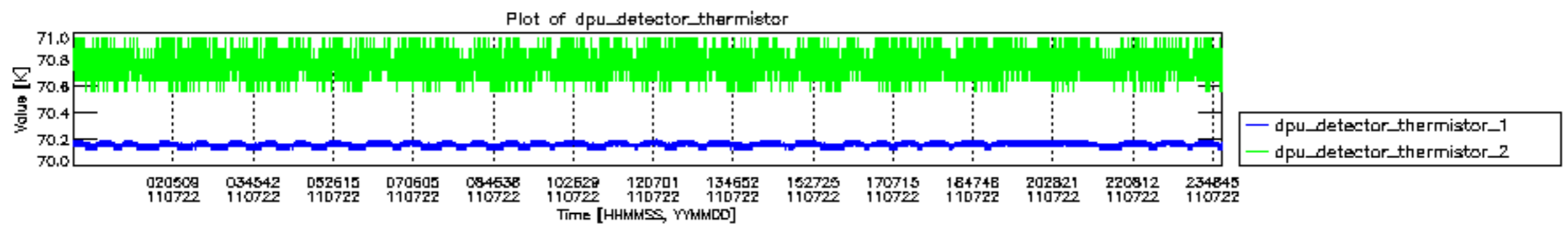


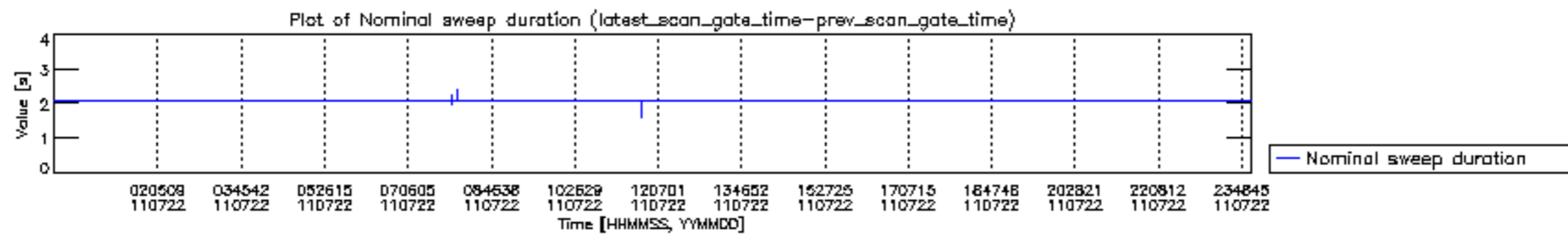
mipas_daily_report_level0_KSPT_L0_4504_N_20110722_13.PNG

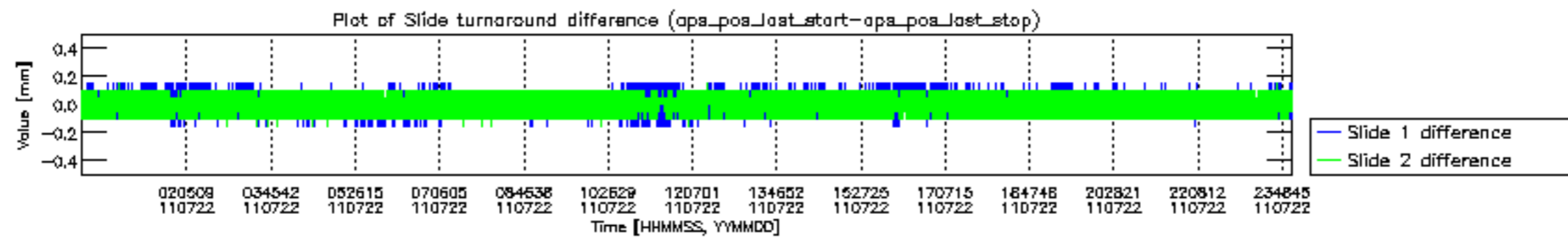


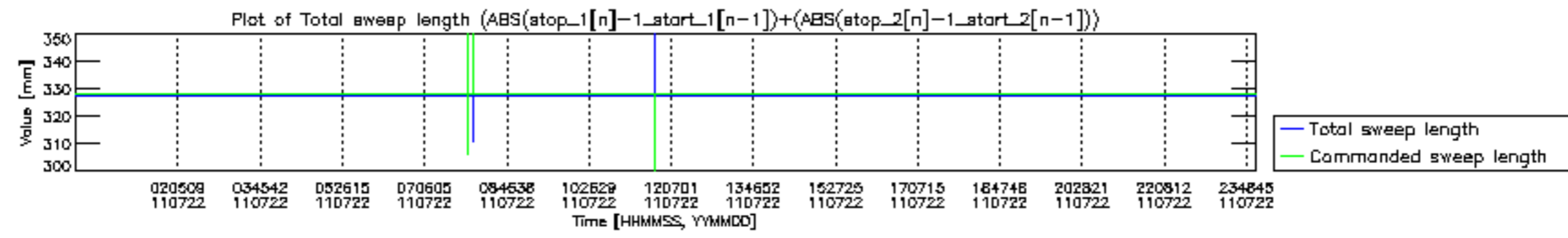


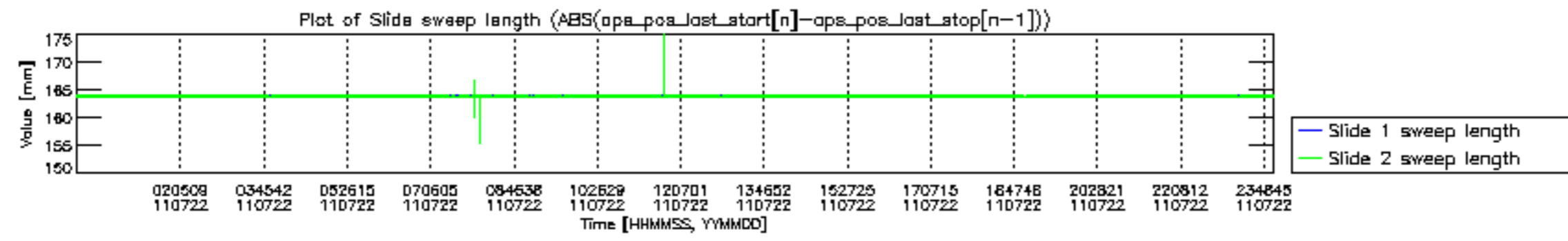


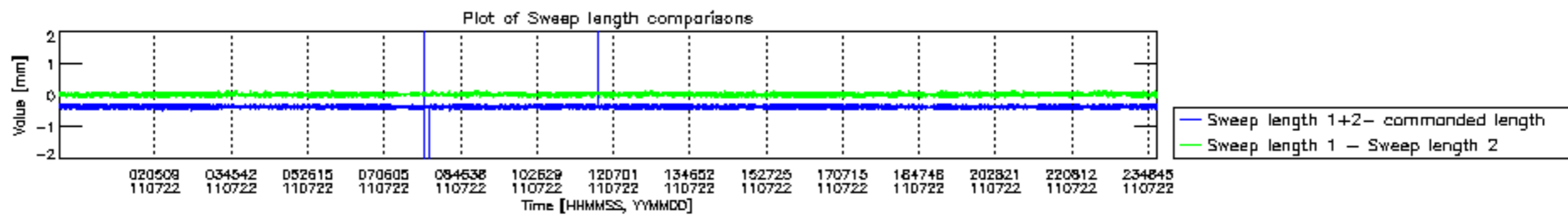


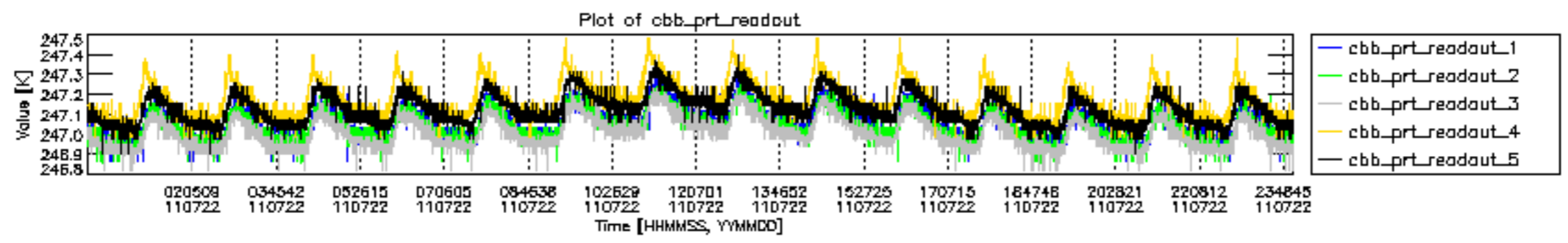


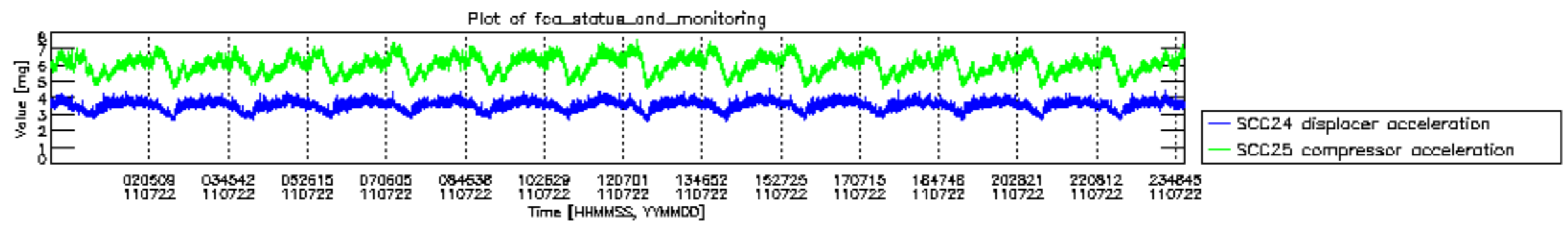












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

