

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	29JUL2011 05:23:38
Data source version	KSPT_L0/4504-N
Processing scope for products	24JUL2011 00:00:00 to 25JUL2011 00:00:00
Start time of first product within scope	24JUL2011 00:08:34
Stop time of last product within scope	25JUL2011 01:12:58
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__0PNPDE20110724_000834_000059313104_00418_49139_9296.N1	24JUL2011 00:08:34	24JUL2011 01:47:25	0	0	0	0	0
1	MIP_NL__0PNPDE20110724_014624_000044183104_00419_49140_9297.N1	24JUL2011 01:46:24	24JUL2011 03:00:03	0	0	0	0	0
2	MIP_NL__0PNPDE20110724_025929_000061253104_00420_49141_9298.N1	24JUL2011 02:59:29	24JUL2011 04:41:35	0	0	0	0	0
3	MIP_NL__0PNPDK20110724_062155_000040533104_00422_49143_5854.N1	24JUL2011 06:21:55	24JUL2011 07:29:28	0	0	0	0	0
4	MIP_NL__0PNPDK20110724_072855_000061923104_00423_49144_5855.N1	24JUL2011 07:28:55	24JUL2011 09:12:07	0	0	0	0	0
5	MIP_NL__0PNPDK20110724_091125_000059423104_00424_49145_5856.N1	24JUL2011 09:11:25	24JUL2011 10:50:27	0	0	0	0	0
6	MIP_NL__0PNPDK20110724_104943_000059783104_00425_49146_5857.N1	24JUL2011 10:49:43	24JUL2011 12:29:21	0	0	0	0	0
7	MIP_NL__0PNPDK20110724_122837_000059603104_00426_49147_5858.N1	24JUL2011 12:28:37	24JUL2011 14:07:57	0	0	0	0	0
8	MIP_NL__0PNPDK20110724_140724_000058813104_00427_49148_5859.N1	24JUL2011 14:07:24	24JUL2011 15:45:25	0	0	0	0	0
9	MIP_NL__0PNPDK20110724_154451_000058743104_00428_49149_5860.N1	24JUL2011 15:44:51	24JUL2011 17:22:45	0	0	0	0	0
10	MIP_NL__0PNPDK20110724_172139_000059183104_00429_49150_5861.N1	24JUL2011 17:21:39	24JUL2011 19:00:17	0	0	0	0	0
11	MIP_NL__0PNPDK20110724_185921_000060873104_00430_49151_5862.N1	24JUL2011 18:59:21	24JUL2011 20:40:48	0	0	0	0	0
12	MIP_NL__0PNPDE20110724_214957_000061383104_00431_49152_9300.N1	24JUL2011 21:49:57	24JUL2011 23:32:14	0	0	0	0	0
13	MIP_NL__0PNPDE20110724_233022_000061573105_00001_49153_9301.N1	24JUL2011 23:30:22	25JUL2011 01:12:58	0	0	0	0	0

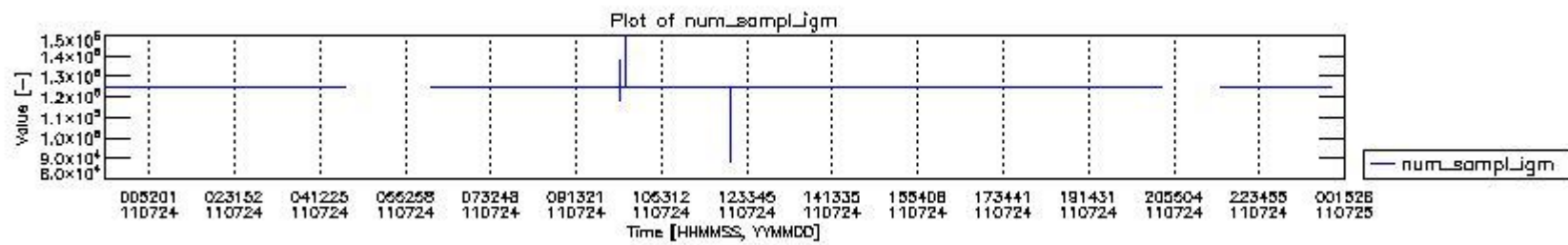
0.2 Instrument Operational Performance Parameters

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.

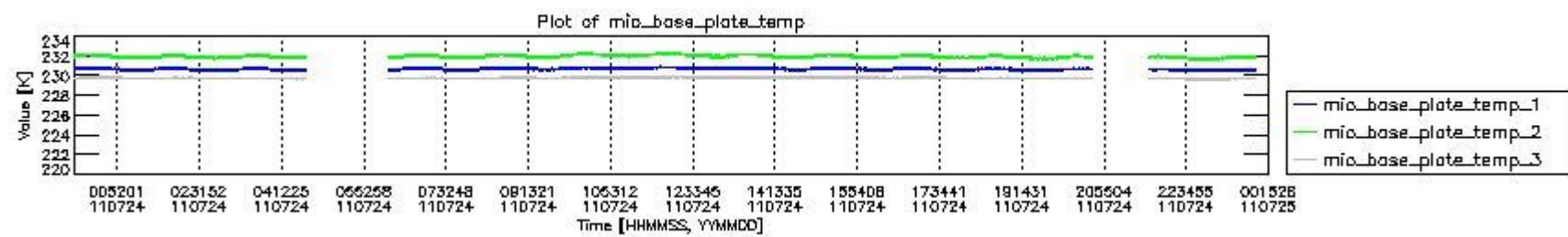
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
88690	1	0.0027254640
96679	1	0.0027254640
116811	1	0.0027254640
118089	1	0.0027254640

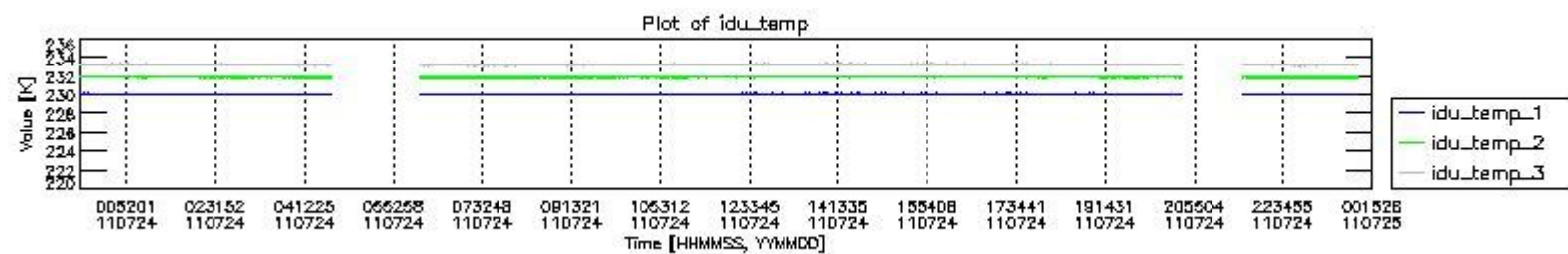
124800	34083	92.891990
124803	2599	7.0834810
127308	1	0.0027254640
131510	1	0.0027254640
138221	1	0.0027254640
147440	1	0.0027254640
149948	1	0.0027254640



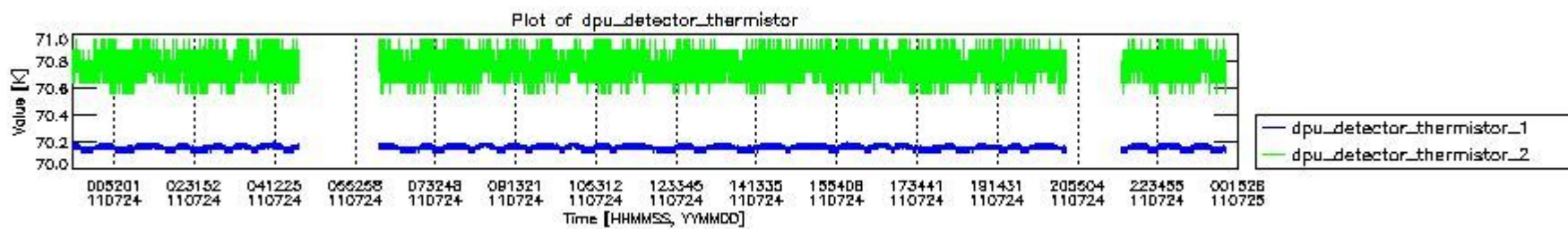
mipas_daily_report_level0_KSPT_L0_4504_N_20110724_0.PNG



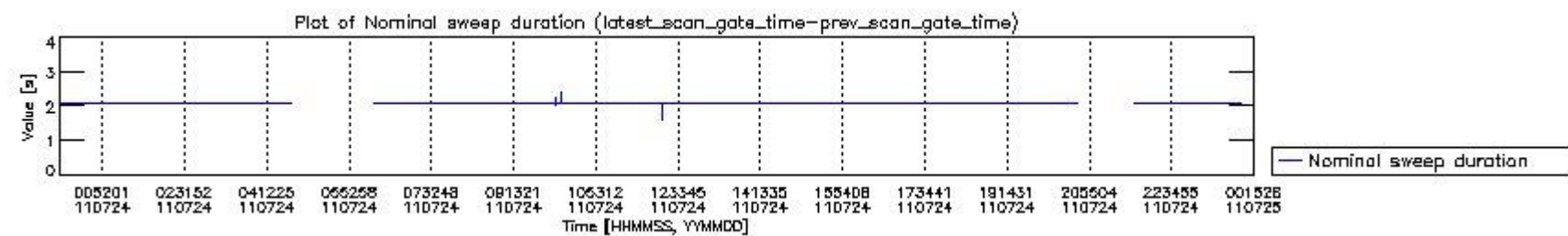
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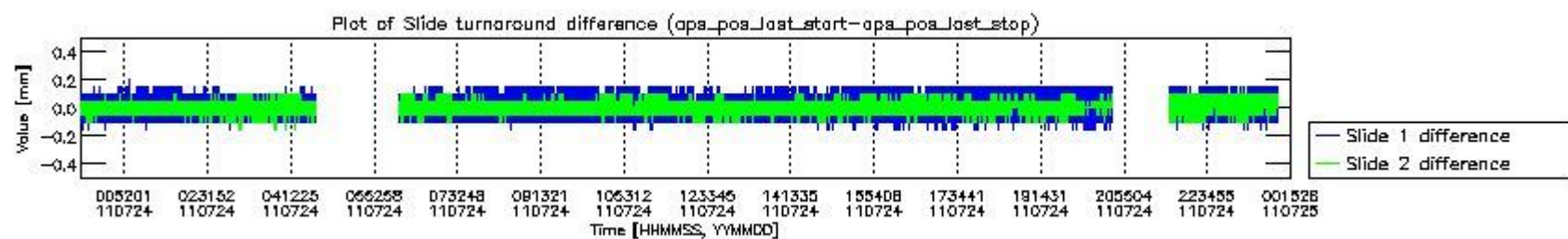
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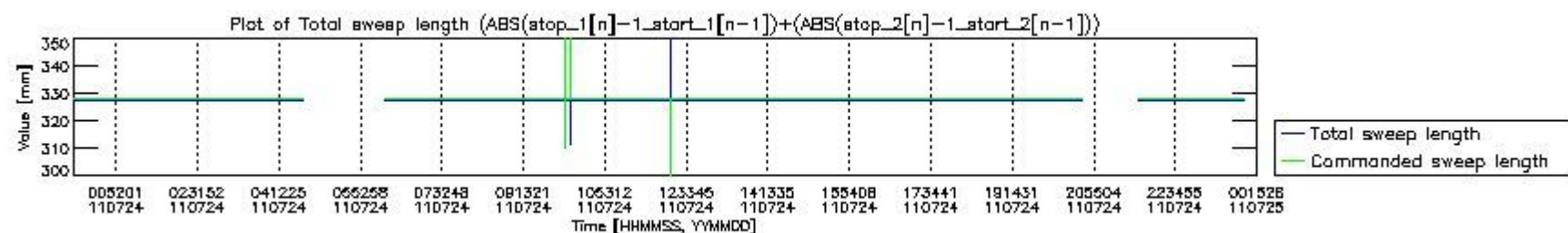
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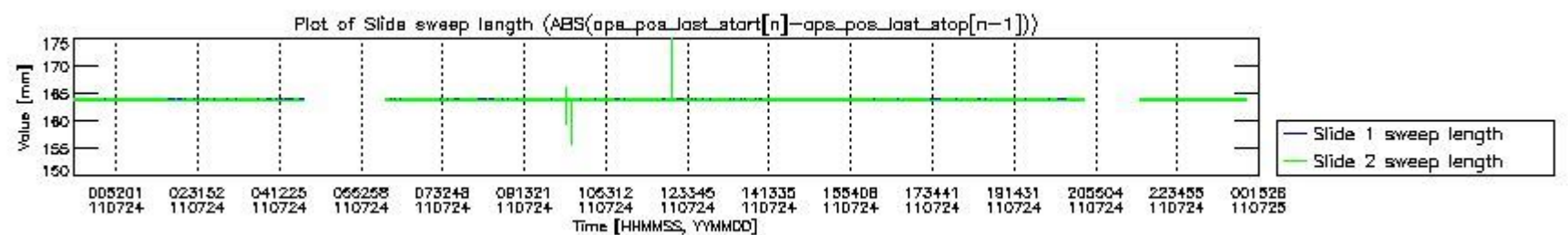
mipas_daily_report_level0_KSPT_L0_4504_N_20110724_4.PNG



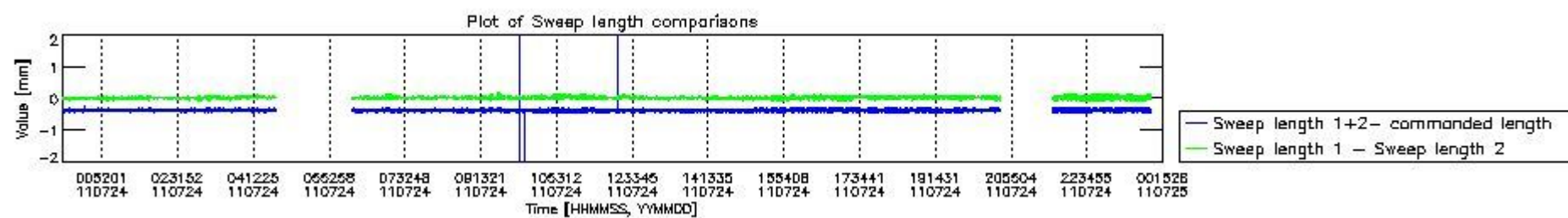
mipas_daily_report_level0_KSPT_L0_4504_N_20110724_5.PNG



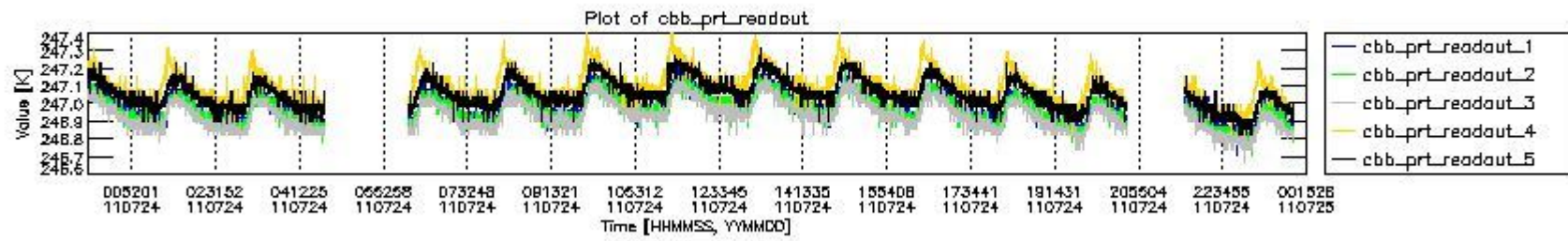
mipas_daily_report_level0_KSPT_L0_4504_N_20110724_6.PNG



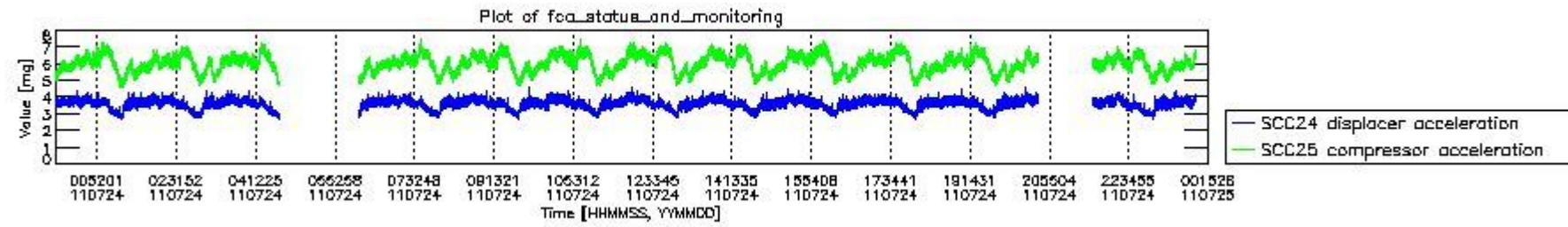
mipas_daily_report_level0_KSPT_L0_4504_N_20110724_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110724_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110724_9.PNG

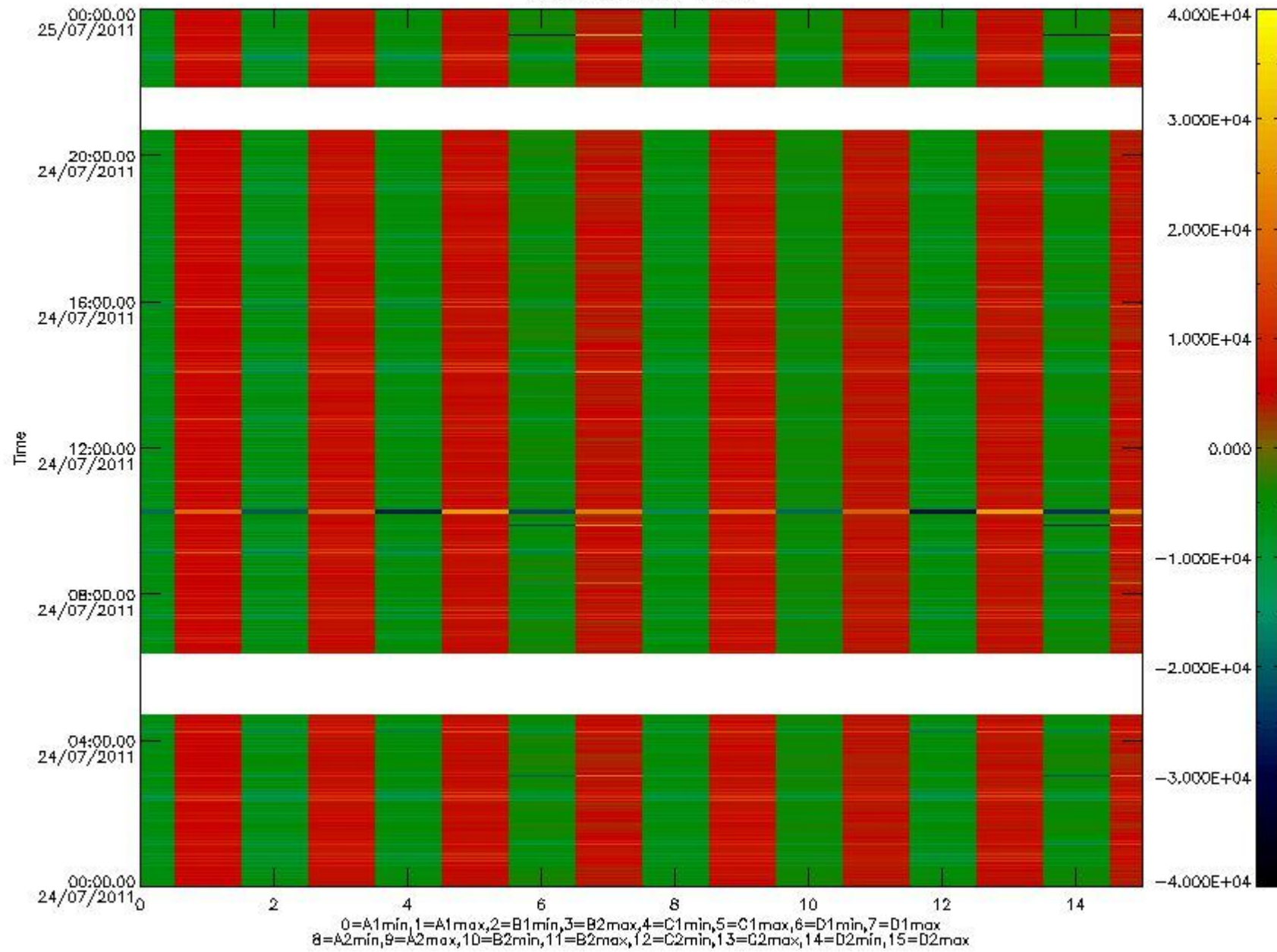


mipas_daily_report_level0_KSPT_L0_4504_N_20110724_10.PNG

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

Channel	Min	Max	ADC
A1	-19739	20831	16bit
B1	-21501	18403	16bit
C1	-27390	27299	16bit
D1	-32768	32767	16bit
A2	-16750	20420	16bit
B2	-19833	19395	16bit
C2	-28473	28118	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_20110724_11.PNG

0.3 ADF monitoring

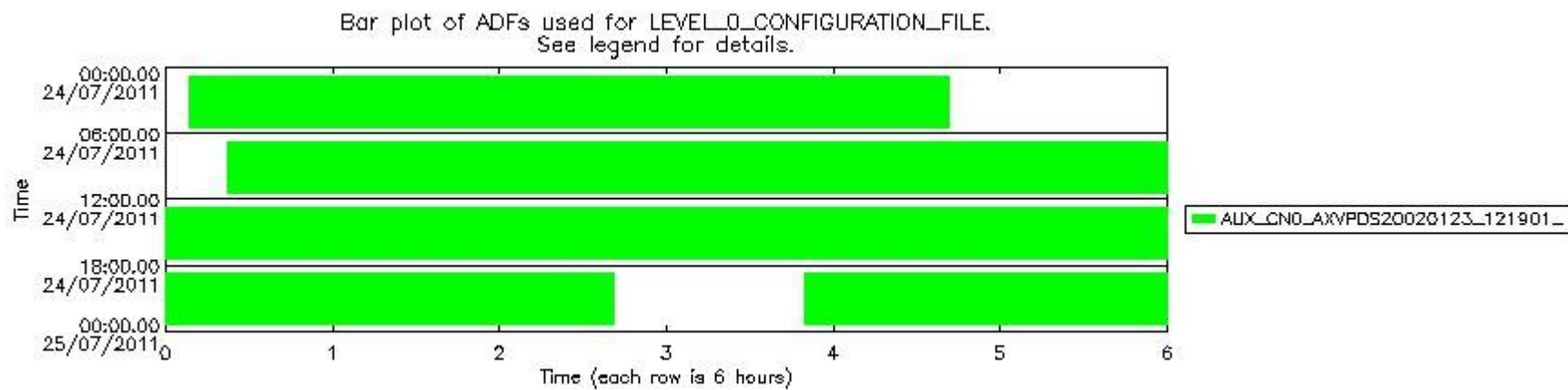
The use of ADFs is shown in two ways:

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.

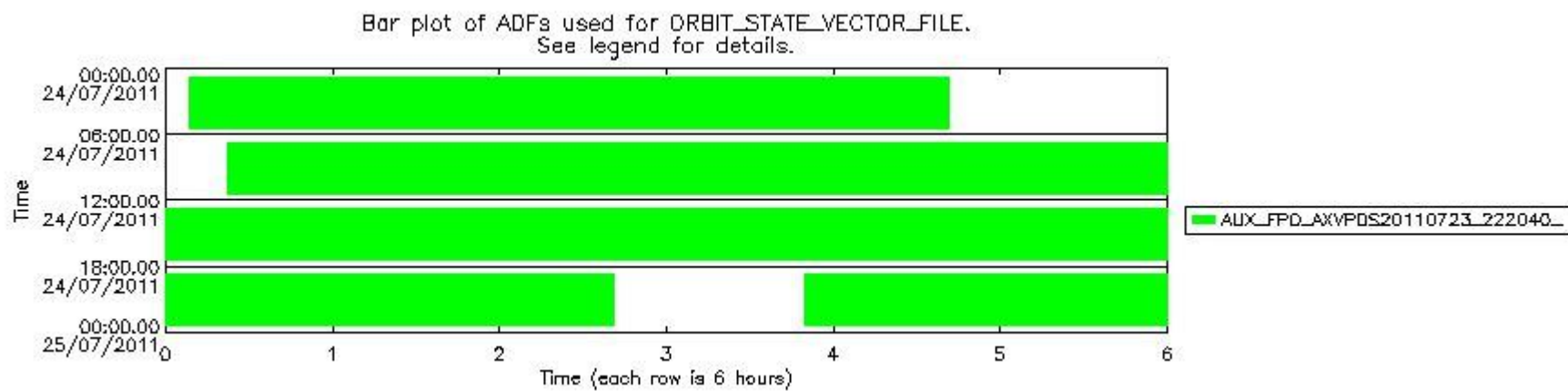
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110723_222040_20110723_191918_20110802_213305

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110724_000834_000059313104_00418_49139_9296.N1	0	1

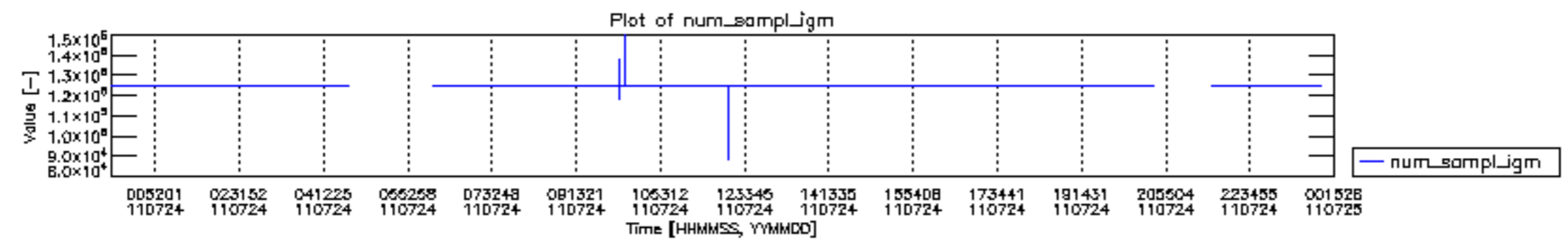
1	MIP_NL__0PNPDE20110724_014624_000044183104_00419_49140_9297.N1	0	1
2	MIP_NL__0PNPDE20110724_025929_000061253104_00420_49141_9298.N1	0	1
3	MIP_NL__0PNPDK20110724_062155_000040533104_00422_49143_5854.N1	0	1
4	MIP_NL__0PNPDK20110724_072855_000061923104_00423_49144_5855.N1	0	1
5	MIP_NL__0PNPDK20110724_091125_000059423104_00424_49145_5856.N1	0	1
6	MIP_NL__0PNPDK20110724_104943_000059783104_00425_49146_5857.N1	0	1
7	MIP_NL__0PNPDK20110724_122837_000059603104_00426_49147_5858.N1	0	1
8	MIP_NL__0PNPDK20110724_140724_000058813104_00427_49148_5859.N1	0	1
9	MIP_NL__0PNPDK20110724_154451_000058743104_00428_49149_5860.N1	0	1
10	MIP_NL__0PNPDK20110724_172139_000059183104_00429_49150_5861.N1	0	1
11	MIP_NL__0PNPDK20110724_185921_000060873104_00430_49151_5862.N1	0	1
12	MIP_NL__0PNPDE20110724_214957_000061383104_00431_49152_9300.N1	0	1
13	MIP_NL__0PNPDE20110724_233022_000061573105_00001_49153_9301.N1	0	1

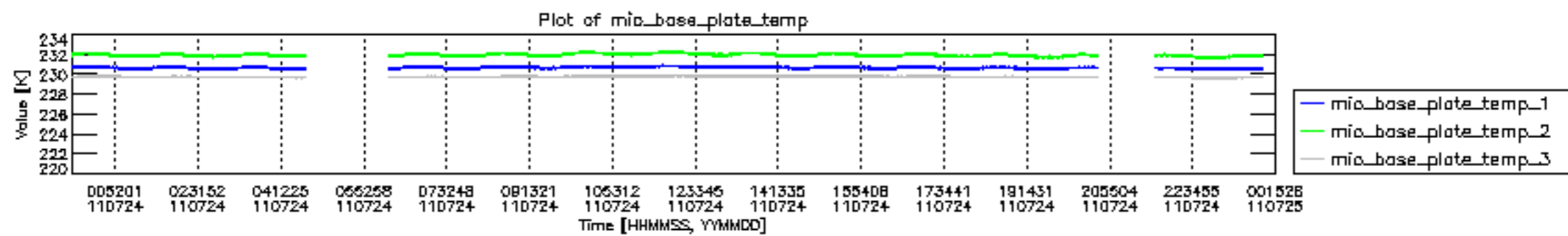


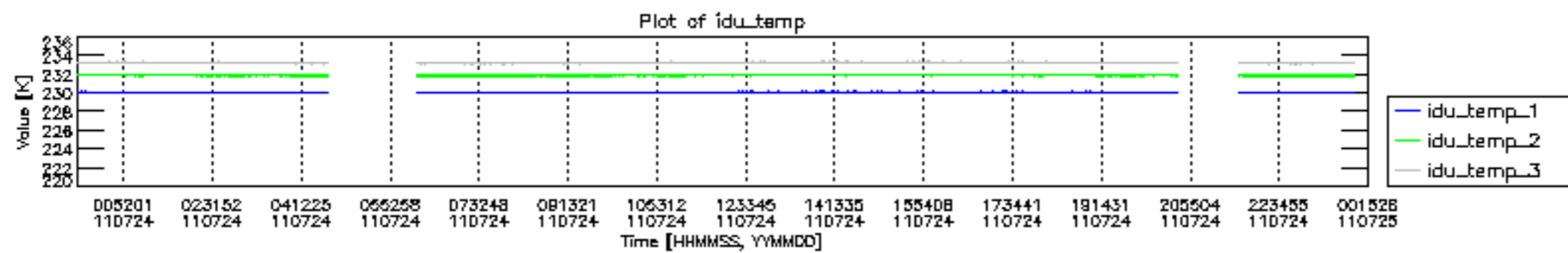
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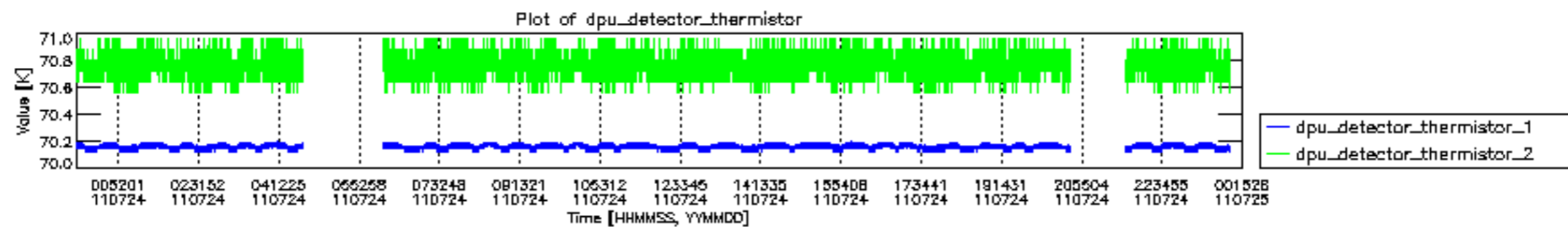


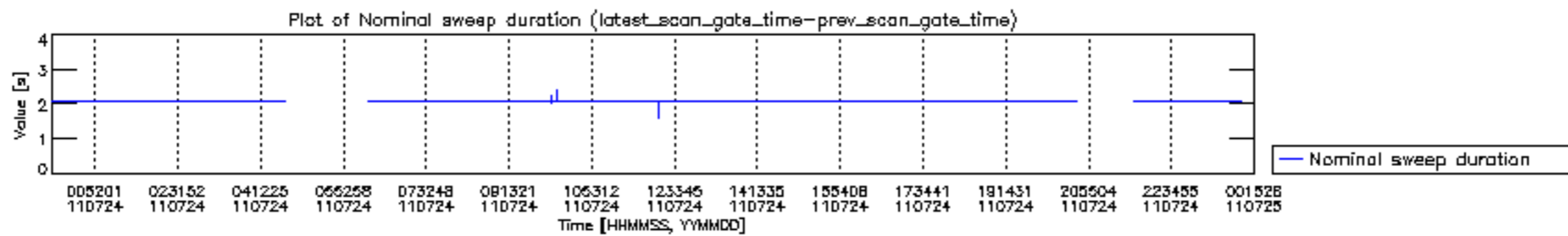
mipas_daily_report_level0_KSPT_L0_4504_N_20110724_13.PNG

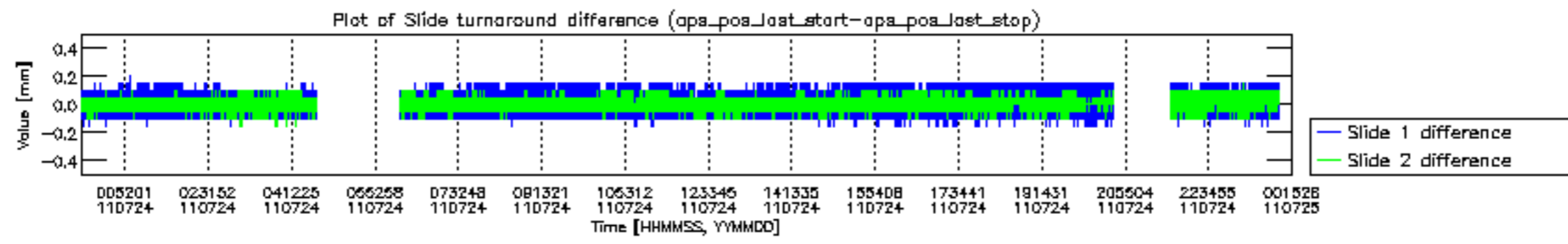


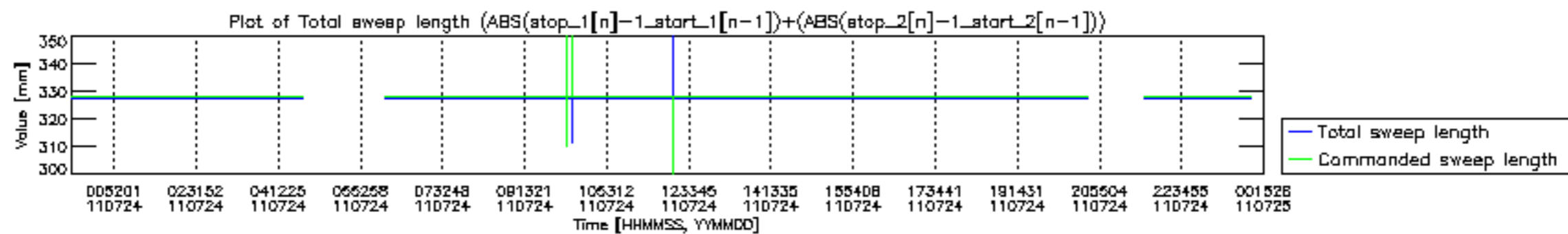


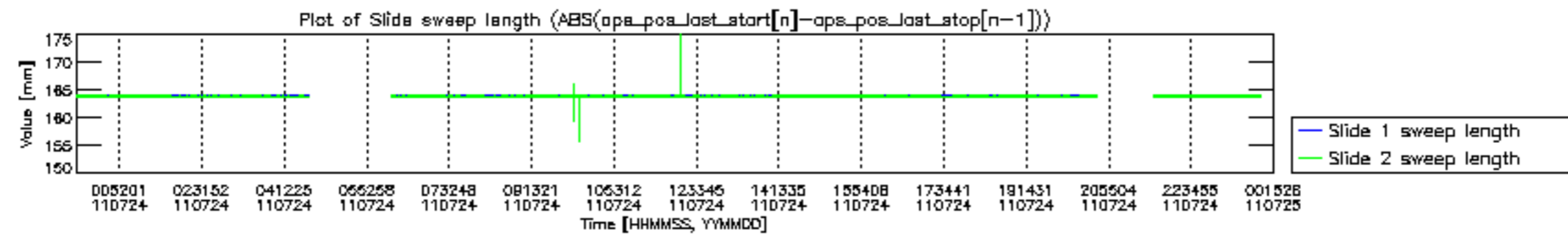


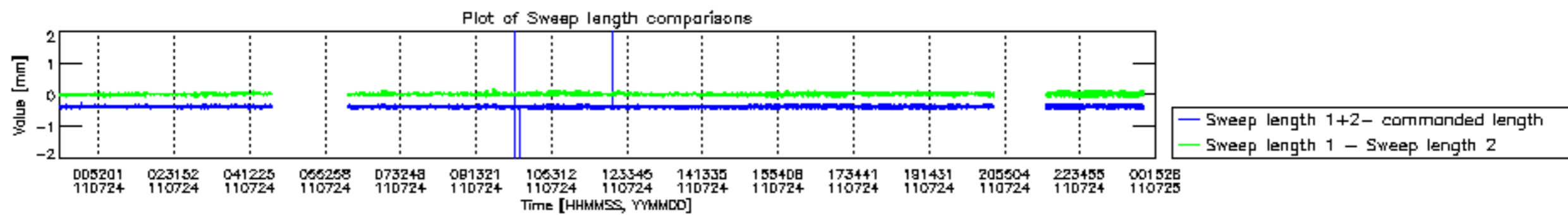


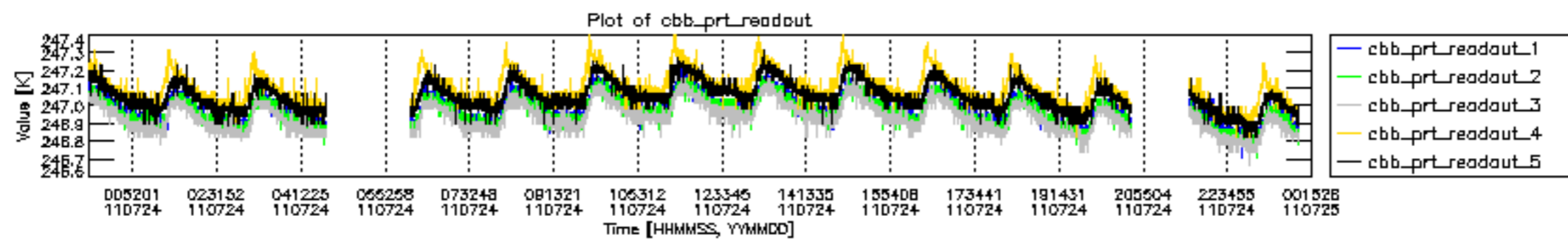


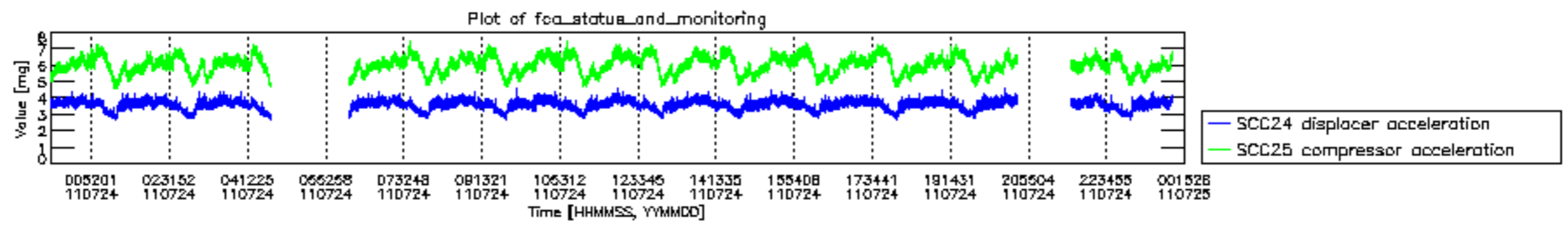












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

