

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	04AUG2011 05:25:02
Data source version	KSPT_L0/4504-N
Processing scope for products	30JUL2011 00:00:00 to 31JUL2011 00:00:00
Start time of first product within scope	30JUL2011 04:19:19
Stop time of last product within scope	31JUL2011 00:54:02
Total number of level 0 products	14
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__0PNPDE20110730_041919_000061963105_00076_49228_9337.N1	30JUL2011 04:19:19	30JUL2011 06:02:35	0	0	0	0	0
1	MIP_NL__0PNPDK20110730_060200_000040743105_00077_49229_5905.N1	30JUL2011 06:02:00	30JUL2011 07:09:53	0	0	0	0	0
2	MIP_NL__0PNPDK20110730_070920_000061523105_00078_49230_5906.N1	30JUL2011 07:09:20	30JUL2011 08:51:52	0	0	0	0	0
3	MIP_NL__0PNPDK20110730_085108_000059233105_00079_49231_5907.N1	30JUL2011 08:51:08	30JUL2011 10:29:51	0	0	0	0	0
4	MIP_NL__0PNPDK20110730_102910_000060163105_00080_49232_5908.N1	30JUL2011 10:29:10	30JUL2011 12:09:25	0	0	0	0	0
5	MIP_NL__0PNPDK20110730_120854_000059853105_00081_49233_5909.N1	30JUL2011 12:08:54	30JUL2011 13:48:39	1	1	0	0	0
6	MIP_NL__0PNPDK20110730_134755_000058763105_00082_49234_5910.N1	30JUL2011 13:47:55	30JUL2011 15:25:51	0	0	0	0	0
7	MIP_NL__0PNPDK20110730_152507_000059563105_00083_49235_5911.N1	30JUL2011 15:25:07	30JUL2011 17:04:23	0	0	0	0	0
8	MIP_NL__0PNPDK20110730_170339_000013583105_00084_49236_5914.N1	30JUL2011 17:03:39	30JUL2011 17:26:17	0	0	0	0	0
9	MIP_NL__0PNPDK20110730_172617_000044793105_00084_49236_5915.N1	30JUL2011 17:26:17	30JUL2011 18:40:56	0	0	0	0	0
10	MIP_NL__0PNPDK20110730_184000_000060583105_00085_49237_5917.N1	30JUL2011 18:40:00	30JUL2011 20:20:58	0	0	0	0	0
11	MIP_NL__0PNPDE20110730_202001_000042163105_00086_49238_9338.N1	30JUL2011 20:20:01	30JUL2011 21:30:17	0	0	0	0	0
12	MIP_NL__0PNPDE20110730_212916_000061793105_00086_49238_9339.N1	30JUL2011 21:29:16	30JUL2011 23:12:15	0	0	0	0	0
13	MIP_NL__0PNPDE20110730_231111_000061713105_00087_49239_9340.N1	30JUL2011 23:11:11	31JUL2011 00:54:02	0	0	0	0	0

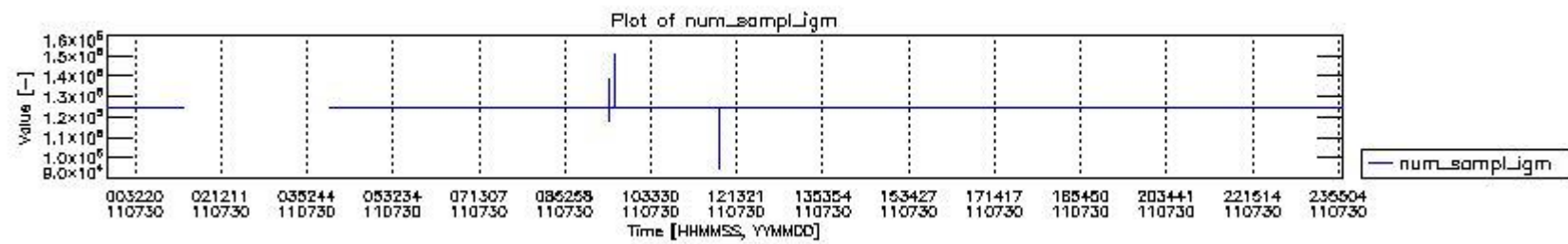
0.2 Instrument Operational Performance Parameters

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.

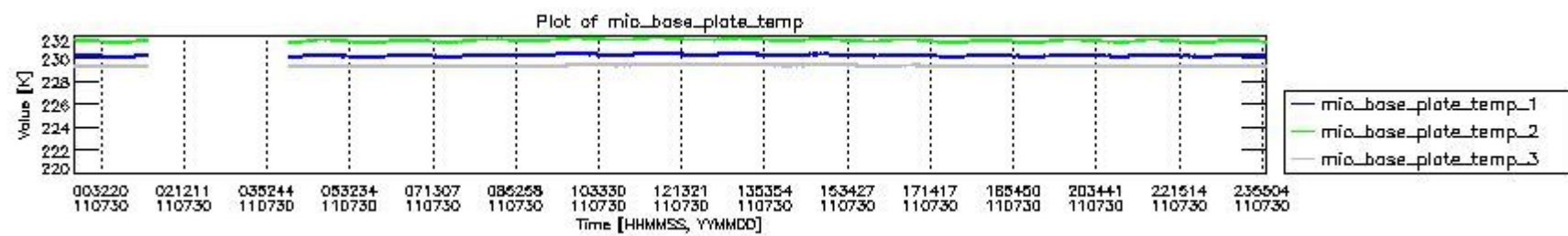
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
94934	1	0.0027281408
99801	1	0.0027281408
118312	1	0.0027281408
119933	1	0.0027281408

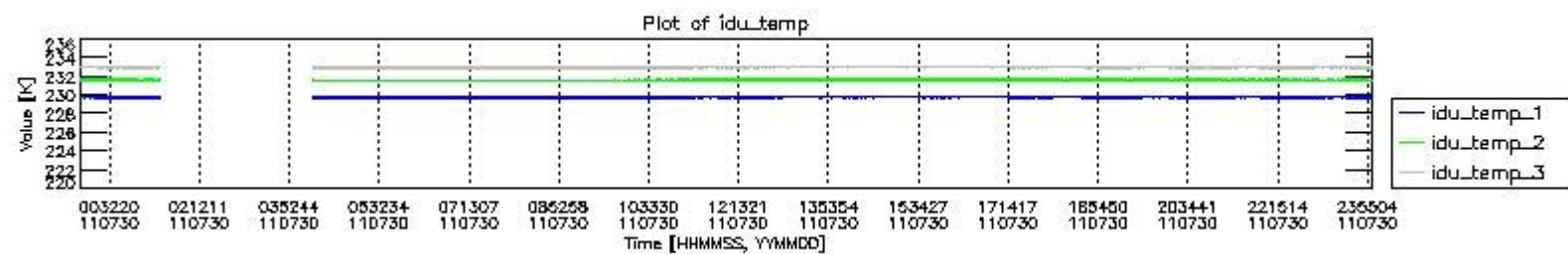
124800	34048	92.887737
124803	2598	7.0877097
127456	1	0.0027281408
131956	1	0.0027281408
138444	1	0.0027281408
147588	1	0.0027281408
150244	1	0.0027281408



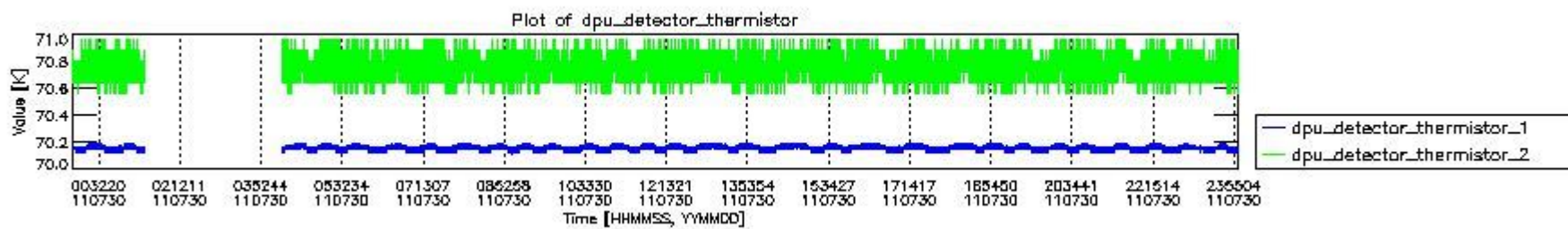
mipas_daily_report_level0_KSPT_L0_4504_N_20110730_0.PNG



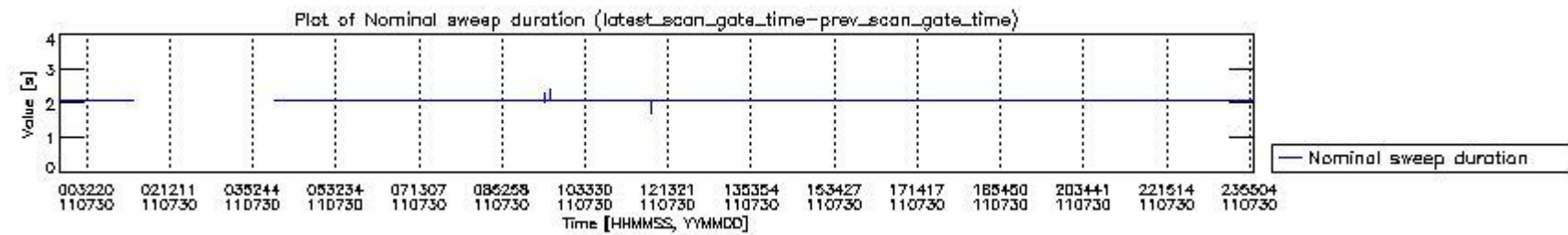
mipas_daily_report_level0_KSPT_L0_4504_N_20110730_1.PNG



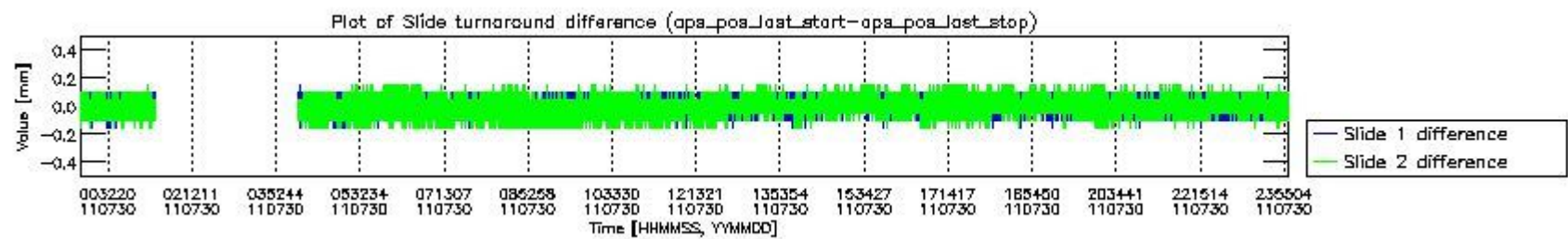
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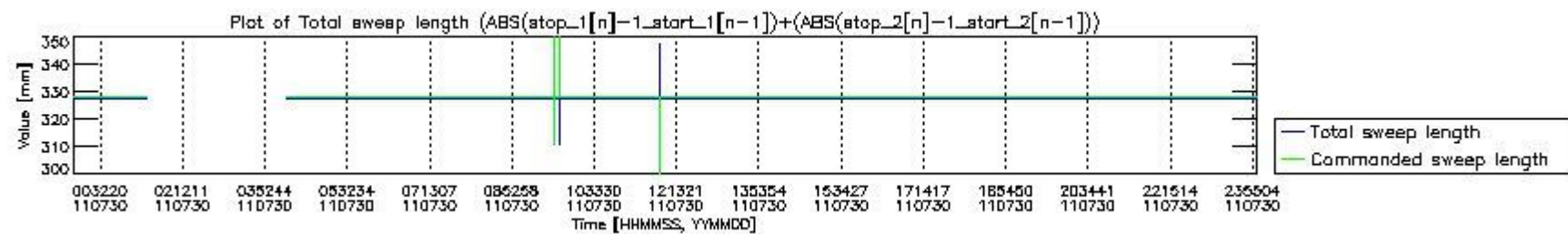
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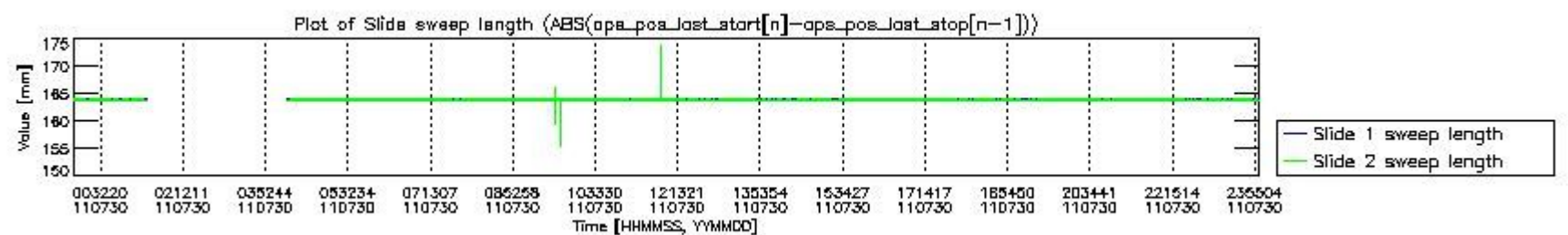
mipas_daily_report_level0_KSPT_L0_4504_N_20110730_4.PNG



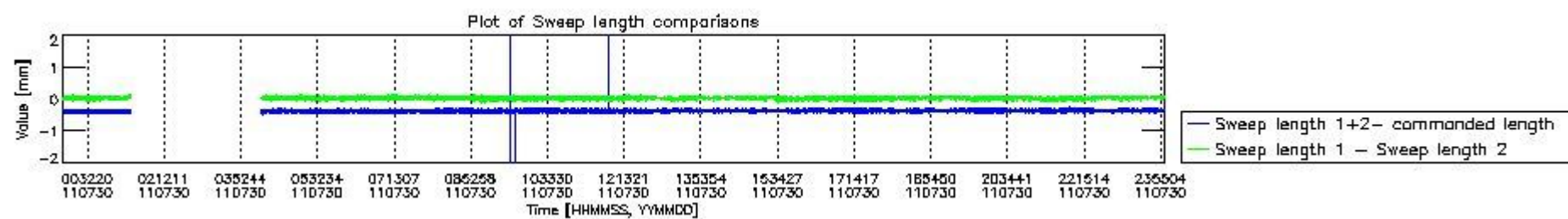
mipas_daily_report_level0_KSPT_L0_4504_N_20110730_5.PNG



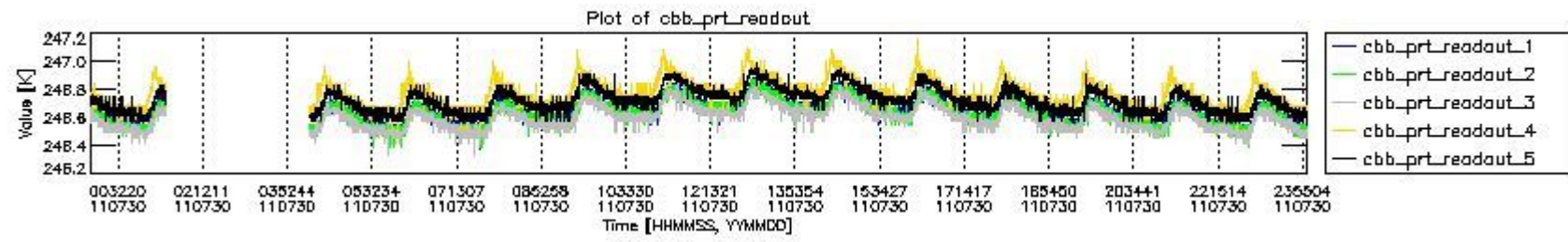
mipas_daily_report_level0_KSPT_L0_4504_N_20110730_6.PNG



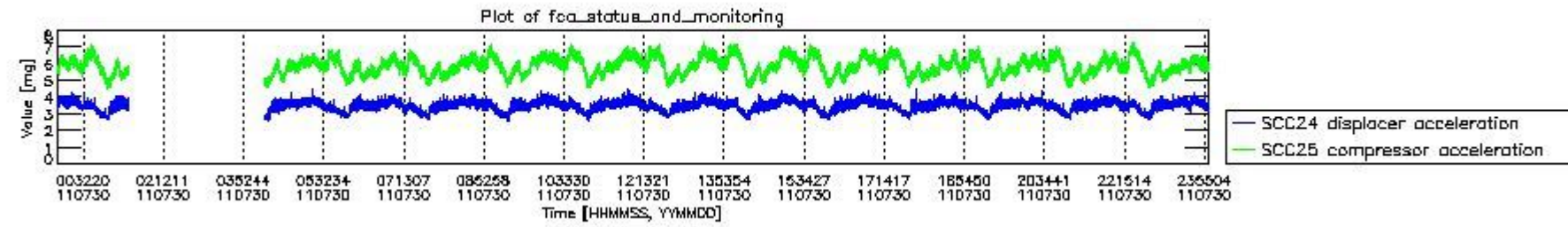
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mipas_daily_report_level0_KSPT_L0_4504_N_20110730_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110730_9.PNG

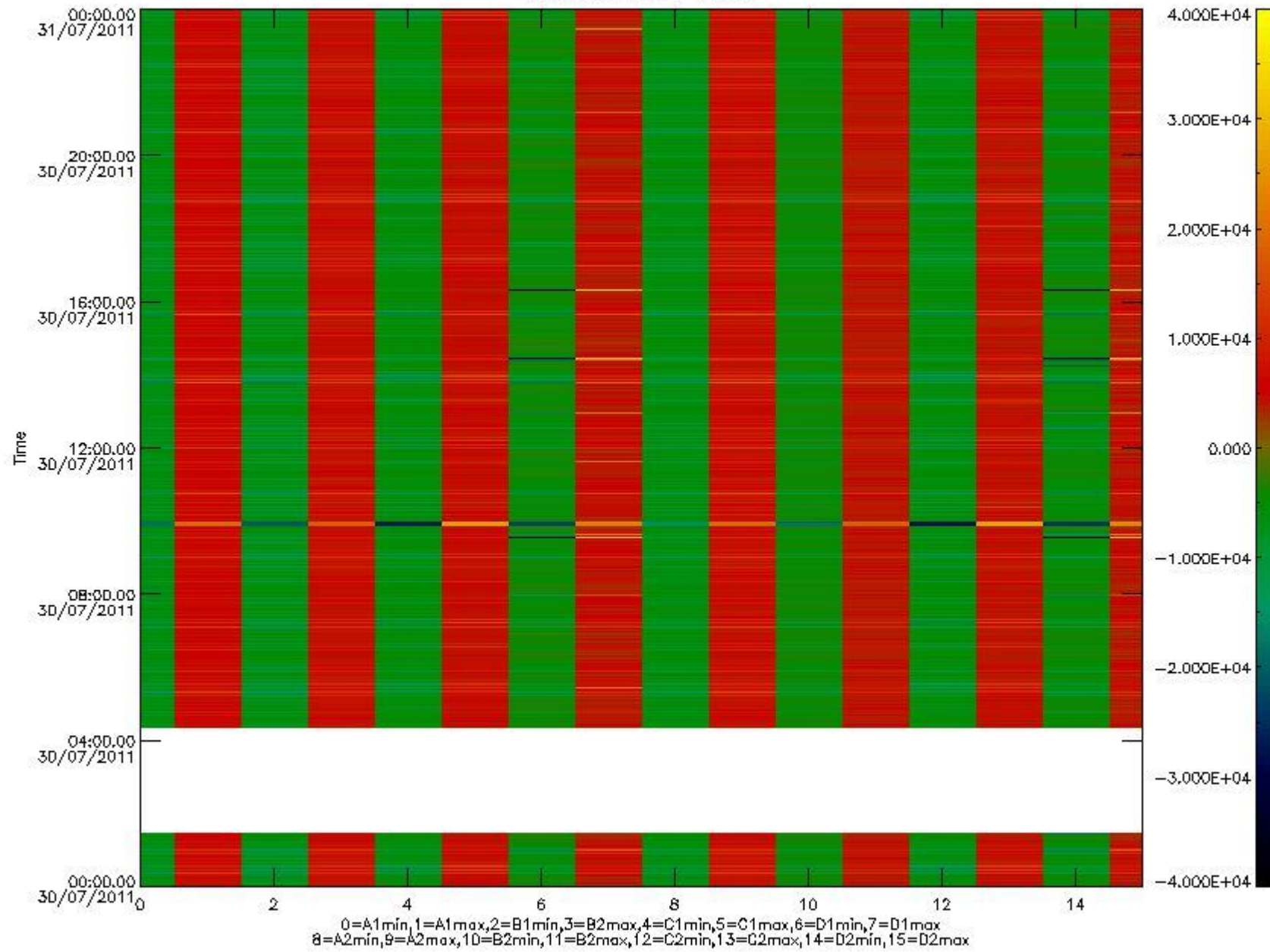


mipas_daily_report_level0_KSPT_L0_4504_N_20110730_10.PNG

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

Channel	Min	Max	ADC
A1	-19702	20989	16bit
B1	-21298	18261	16bit
C1	-27019	26899	16bit
D1	-32768	32767	16bit
A2	-16784	20565	16bit
B2	-19593	19182	16bit
C2	-28077	27678	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_20110730_11.PNG

0.3 ADF monitoring

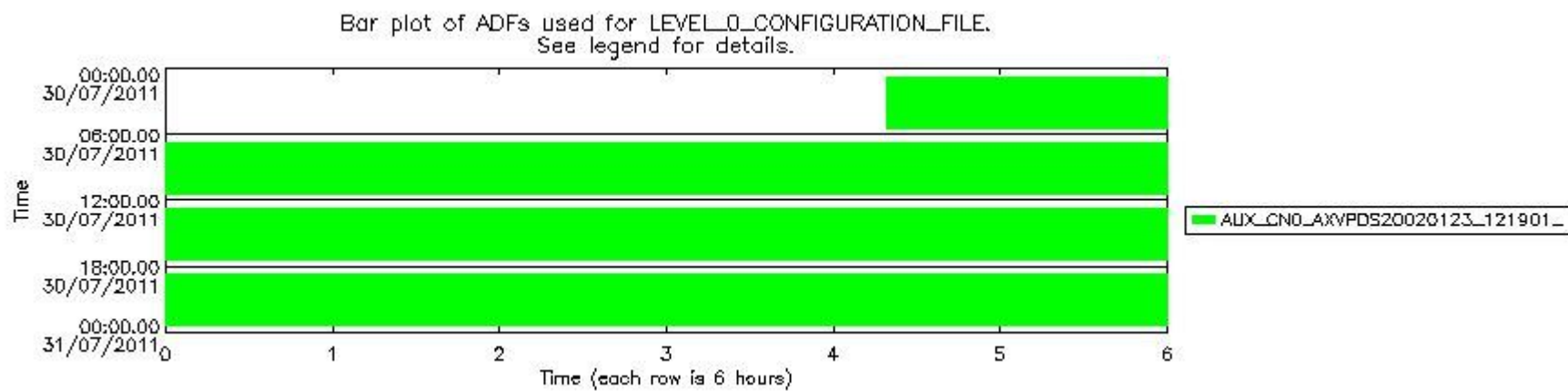
The use of ADFs is shown in two ways:

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.

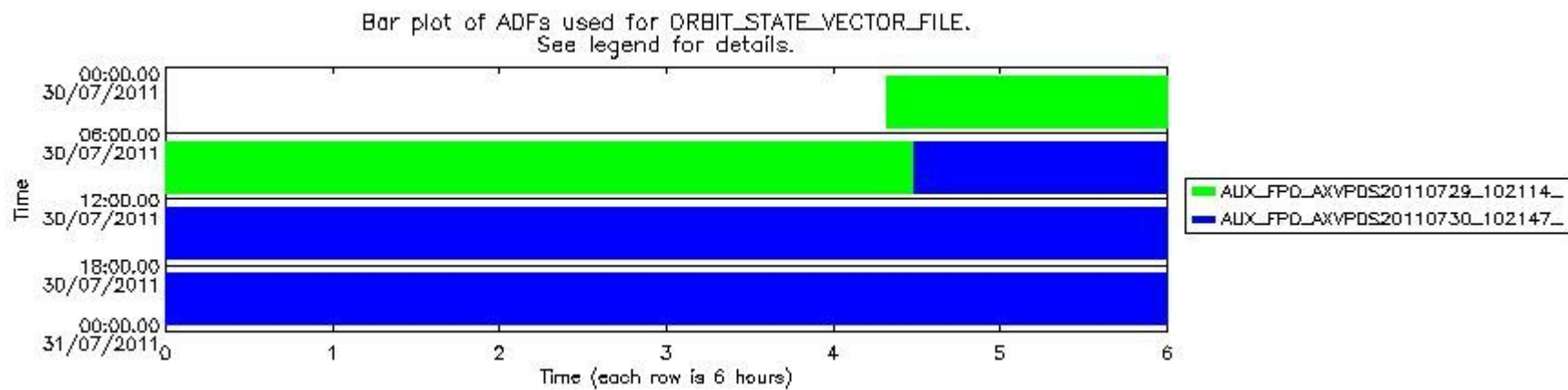
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110729_102114_20110728_193604_20110807_200937
2	AUX_FPO_AXVPDS20110730_102147_20110729_185920_20110808_211306

Number	Product name	#CN0	#FPO
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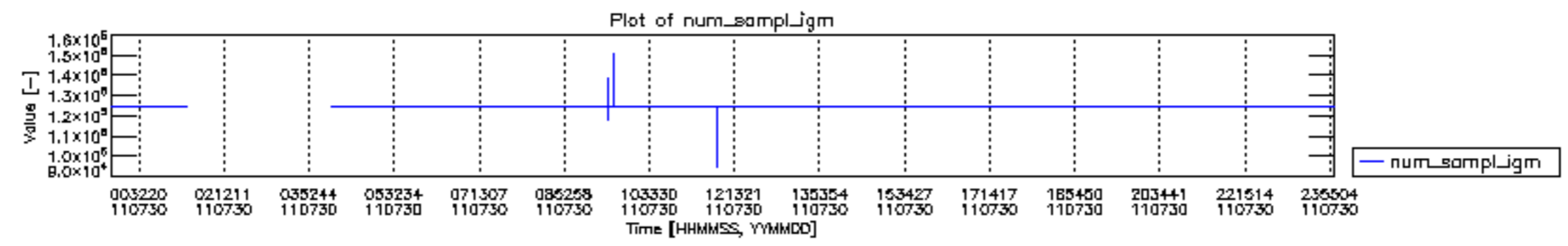
0	MIP_NL__0PNPDE20110730_041919_000061963105_00076_49228_9337.N1	0	1
1	MIP_NL__0PNPDK20110730_060200_000040743105_00077_49229_5905.N1	0	1
2	MIP_NL__0PNPDK20110730_070920_000061523105_00078_49230_5906.N1	0	1
3	MIP_NL__0PNPDK20110730_085108_000059233105_00079_49231_5907.N1	0	1
4	MIP_NL__0PNPDK20110730_102910_000060163105_00080_49232_5908.N1	0	2
5	MIP_NL__0PNPDK20110730_120854_000059853105_00081_49233_5909.N1	0	2
6	MIP_NL__0PNPDK20110730_134755_000058763105_00082_49234_5910.N1	0	2
7	MIP_NL__0PNPDK20110730_152507_000059563105_00083_49235_5911.N1	0	2
8	MIP_NL__0PNPDK20110730_170339_000013583105_00084_49236_5914.N1	0	2
9	MIP_NL__0PNPDK20110730_172617_000044793105_00084_49236_5915.N1	0	2
10	MIP_NL__0PNPDK20110730_184000_000060583105_00085_49237_5917.N1	0	2
11	MIP_NL__0PNPDE20110730_202001_000042163105_00086_49238_9338.N1	0	2
12	MIP_NL__0PNPDE20110730_212916_000061793105_00086_49238_9339.N1	0	2
13	MIP_NL__0PNPDE20110730_231111_000061713105_00087_49239_9340.N1	0	2

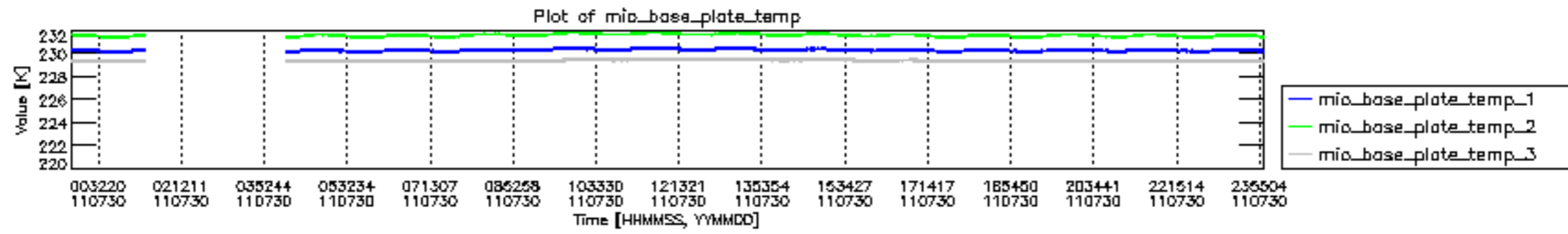


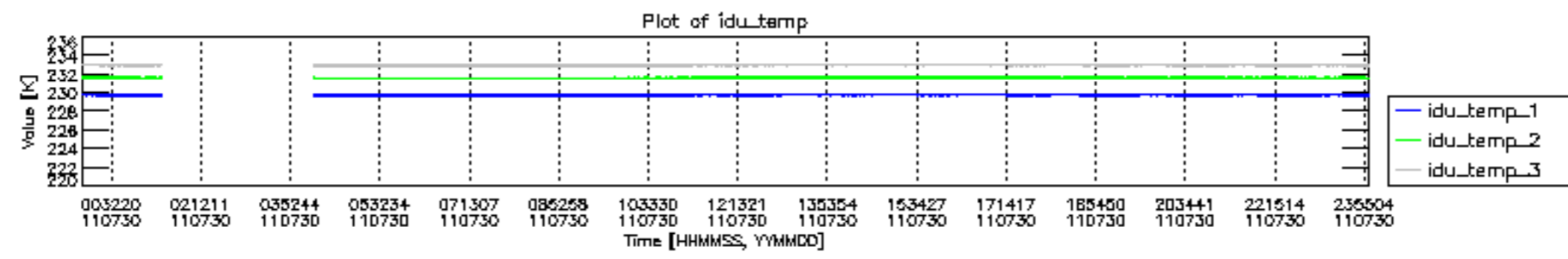
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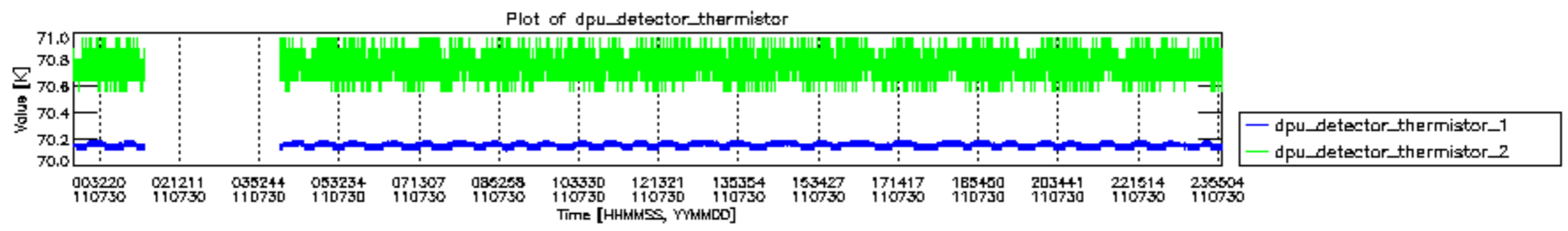


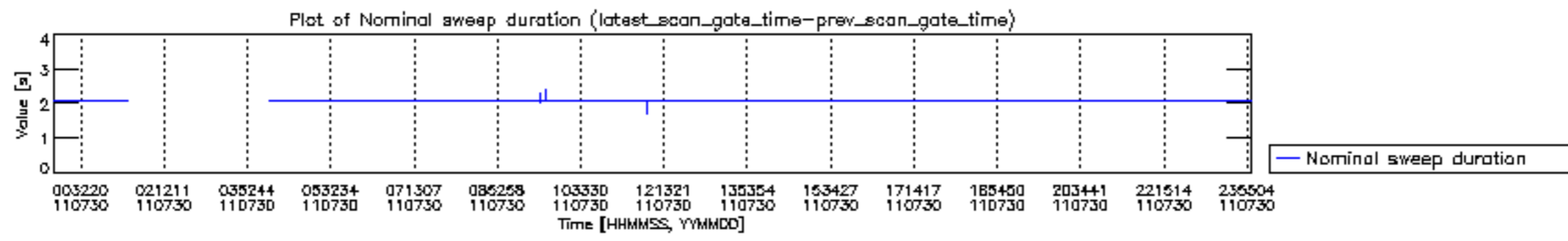
mipas_daily_report_level0_KSPT_L0_4504_N_20110730_13.PNG

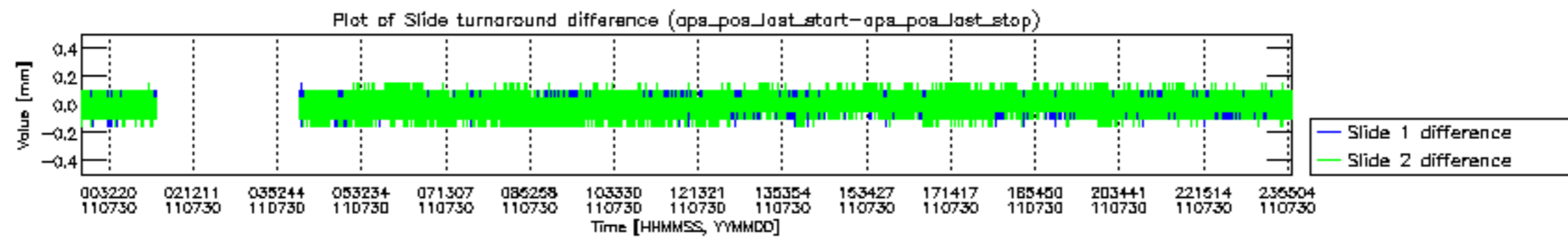


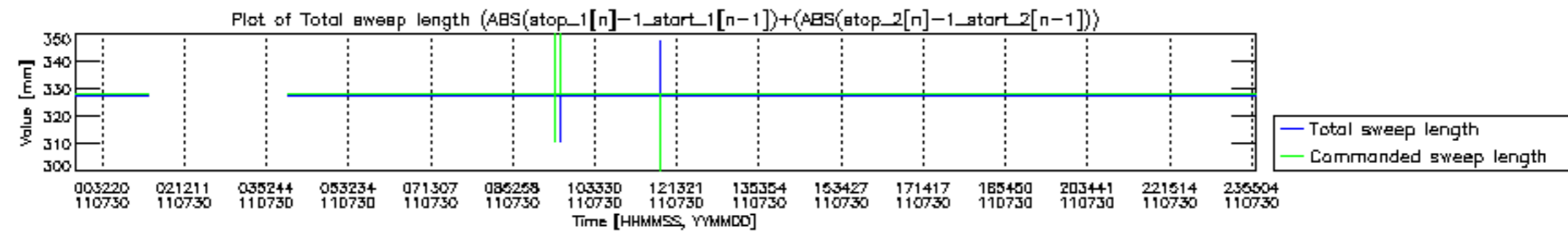


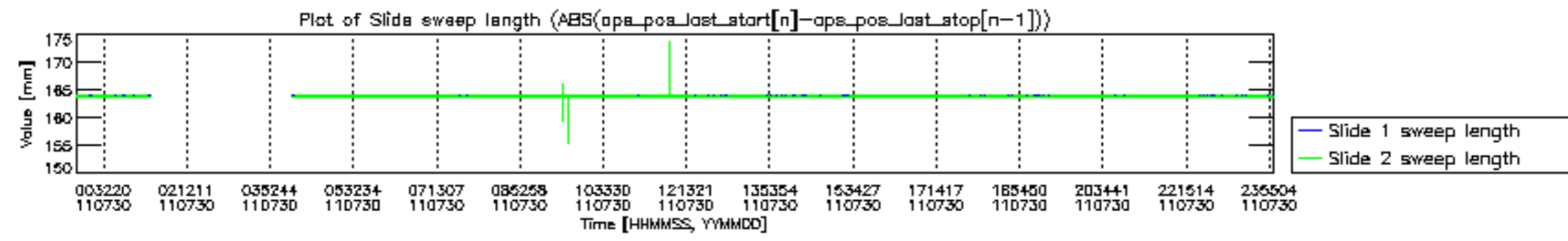


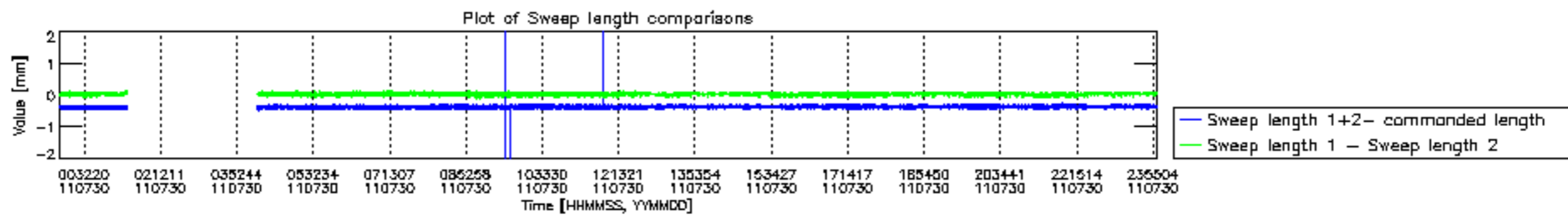


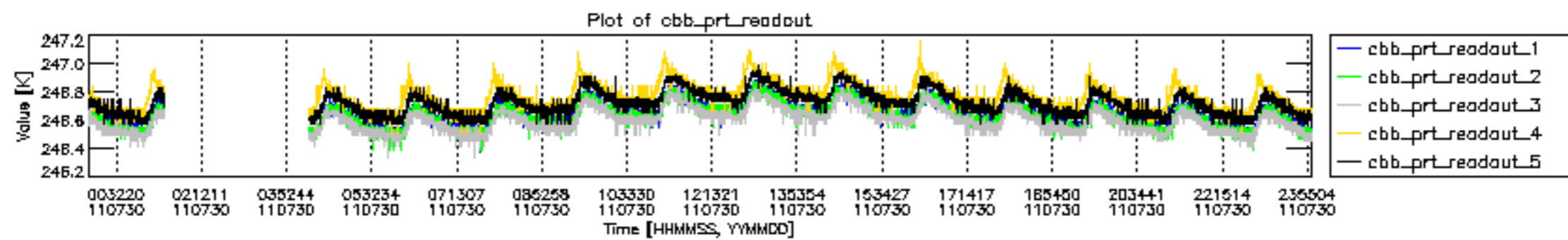


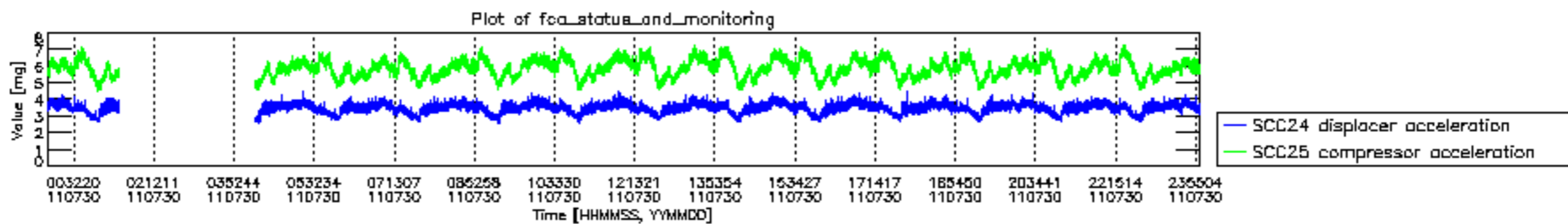












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

