

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	05JUL2011 05:22:44
Data source version	KSPT_L0/4504-N
Processing scope for products	30JUN2011 00:00:00 to 01JUL2011 00:00:00
Start time of first product within scope	30JUN2011 01:28:05
Stop time of last product within scope	01JUL2011 00:53:25
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__0PNPDE20110630_012805_000102473104_00074_48795_9139.N1	30JUN2011 01:28:05	30JUN2011 04:18:52	0	0	0	0	0
1	MIP_NL__0PNPDE20110630_041818_000062233104_00076_48797_9140.N1	30JUN2011 04:18:18	30JUN2011 06:02:02	0	0	0	0	0
2	MIP_NL__0PNPDK20110630_060128_000040783104_00077_48798_5626.N1	30JUN2011 06:01:28	30JUN2011 07:09:26	0	0	0	0	0
3	MIP_NL__0PNPDK20110630_070853_000061083104_00078_48799_5627.N1	30JUN2011 07:08:53	30JUN2011 08:50:41	0	0	0	0	0
4	MIP_NL__0PNPDK20110630_085008_000059683104_00079_48800_5628.N1	30JUN2011 08:50:08	30JUN2011 10:29:36	0	0	0	0	0
5	MIP_NL__0PNPDK20110630_102852_000060673104_00080_48801_5629.N1	30JUN2011 10:28:52	30JUN2011 12:09:58	0	0	0	0	0
6	MIP_NL__0PNPDK20110630_120925_000058853104_00081_48802_5630.N1	30JUN2011 12:09:25	30JUN2011 13:47:30	0	0	0	0	0
7	MIP_NL__0PNPDK20110630_134656_000058723104_00082_48803_5632.N1	30JUN2011 13:46:56	30JUN2011 15:24:49	0	0	0	0	0
8	MIP_NL__0PNPDK20110630_152415_000060543104_00083_48804_5633.N1	30JUN2011 15:24:15	30JUN2011 17:05:09	0	0	0	0	0
9	MIP_NL__0PNPDK20110630_170436_000057823104_00084_48805_5634.N1	30JUN2011 17:04:36	30JUN2011 18:40:58	0	0	0	0	0
10	MIP_NL__0PNPDK20110630_184002_000058853104_00085_48806_5635.N1	30JUN2011 18:40:02	30JUN2011 20:18:07	0	0	0	0	0
11	MIP_NL__0PNPDE20110630_201628_000044523104_00086_48807_9141.N1	30JUN2011 20:16:28	30JUN2011 21:30:40	0	0	0	0	0
12	MIP_NL__0PNPDE20110630_212938_000062093104_00086_48807_9142.N1	30JUN2011 21:29:38	30JUN2011 23:13:06	0	0	0	0	0
13	MIP_NL__0PNPDE20110630_231204_000060813104_00087_48808_9143.N1	30JUN2011 23:12:04	01JUL2011 00:53:25	0	0	0	0	0

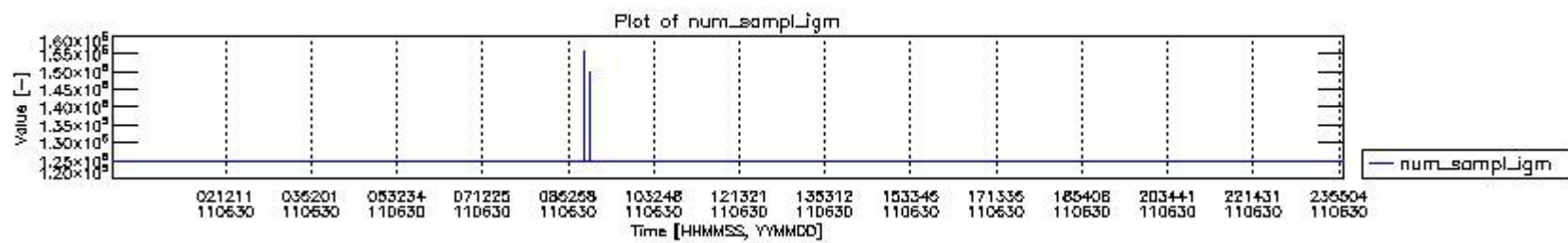
0.2 Instrument Operational Performance Parameters

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.

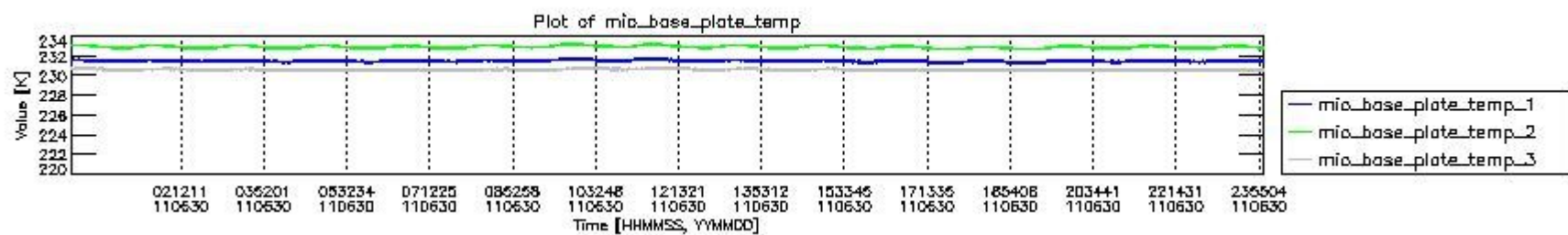
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	38593	92.885509
124803	2950	7.1000505
127159	1	0.0024067968
130281	1	0.0024067968

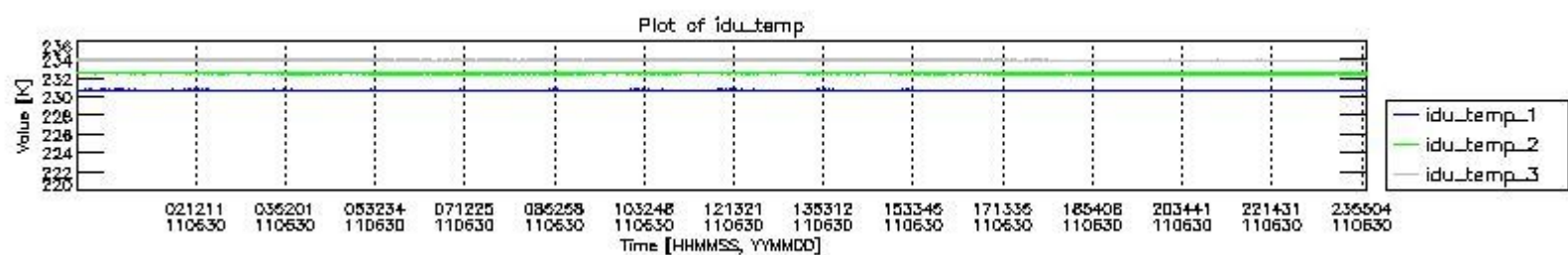
147291	1	0.0024067968
149650	1	0.0024067968
150413	1	0.0024067968
155894	1	0.0024067968



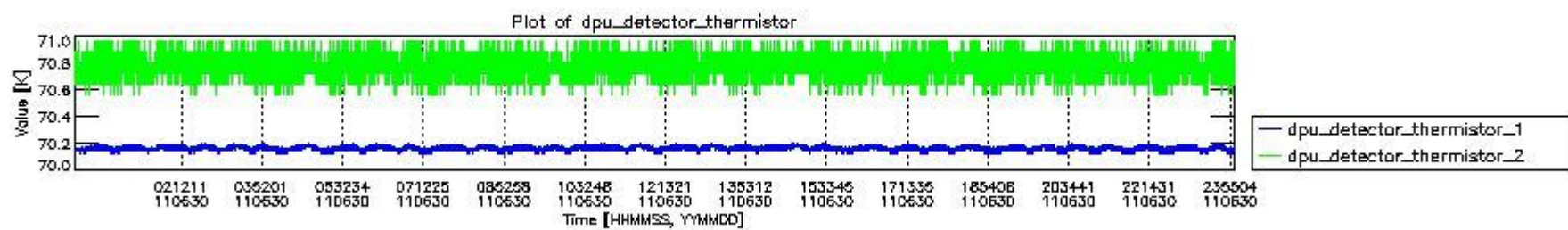
mipas_daily_report_level0_KSPT_L0_4504_N_20110630_0.PNG



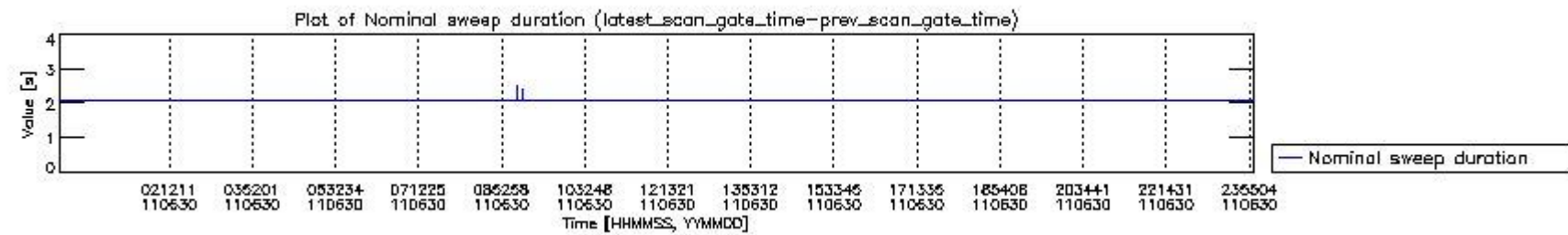
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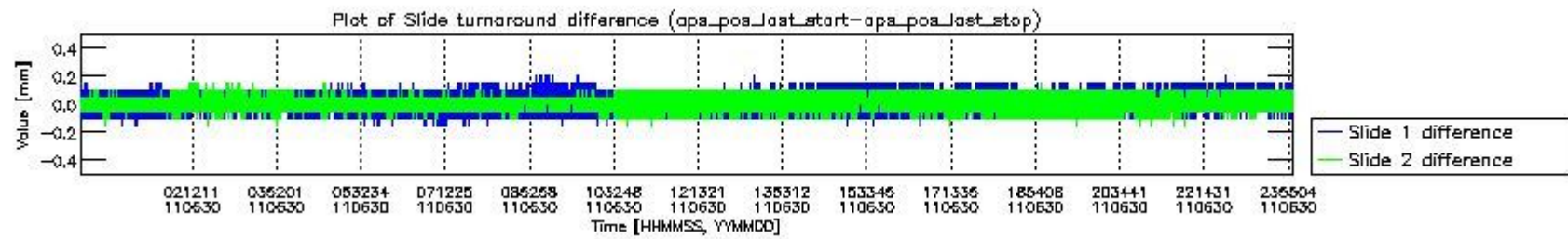
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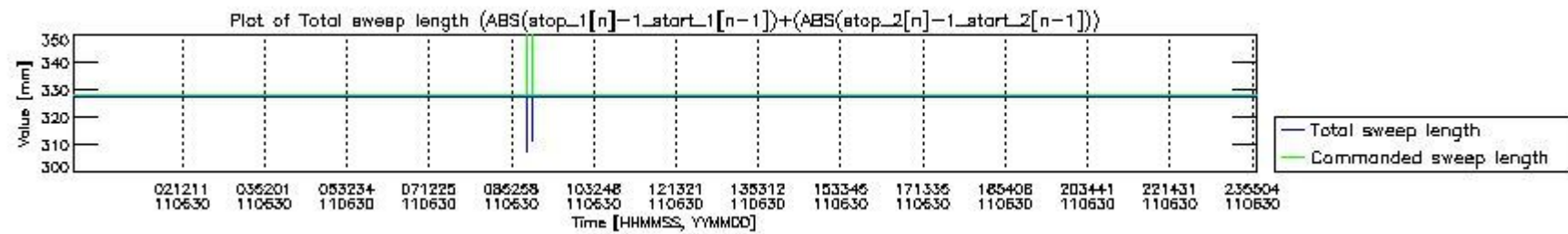
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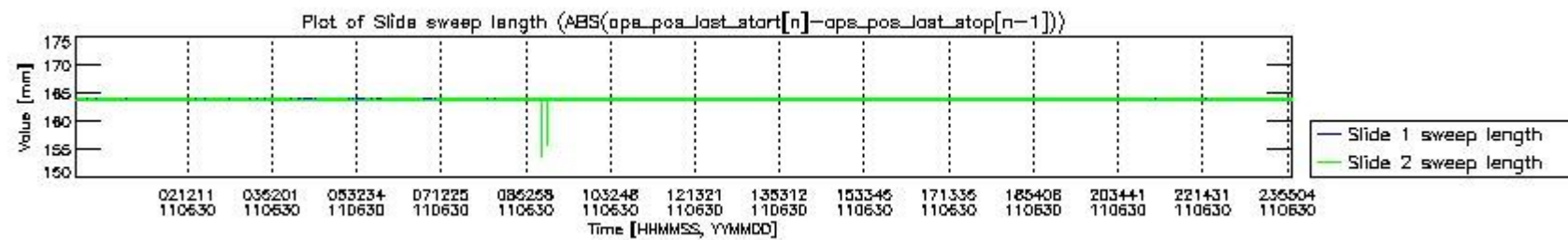
mipas_daily_report_level0_KSPT_L0_4504_N_20110630_4.PNG



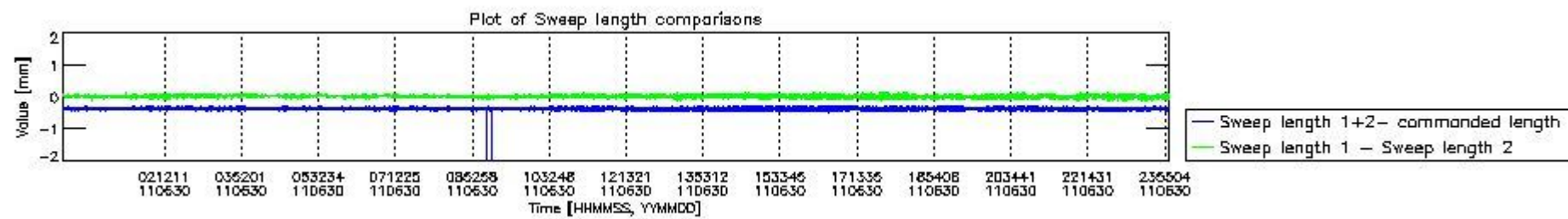
mipas_daily_report_level0_KSPT_L0_4504_N_20110630_5.PNG



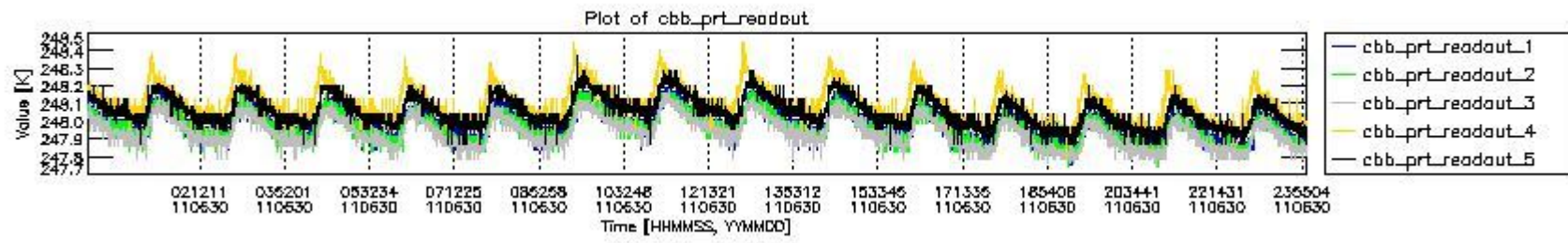
mipas_daily_report_level0_KSPT_L0_4504_N_20110630_6.PNG



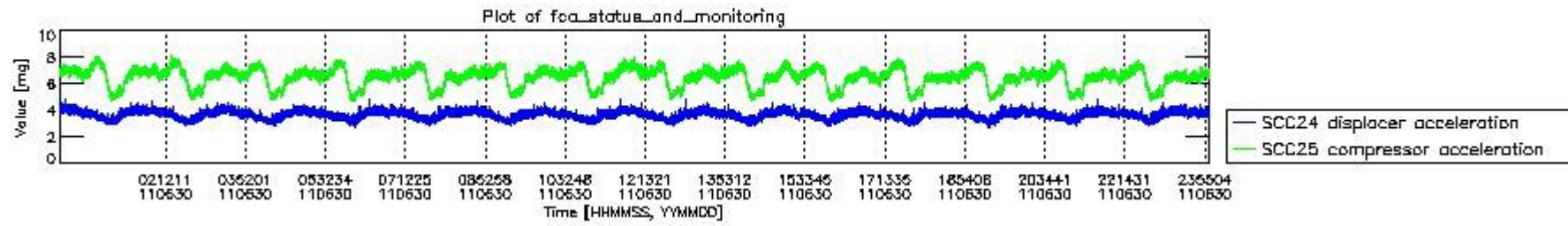
mipas_daily_report_level0_KSPT_L0_4504_N_20110630_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110630_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110630_9.PNG

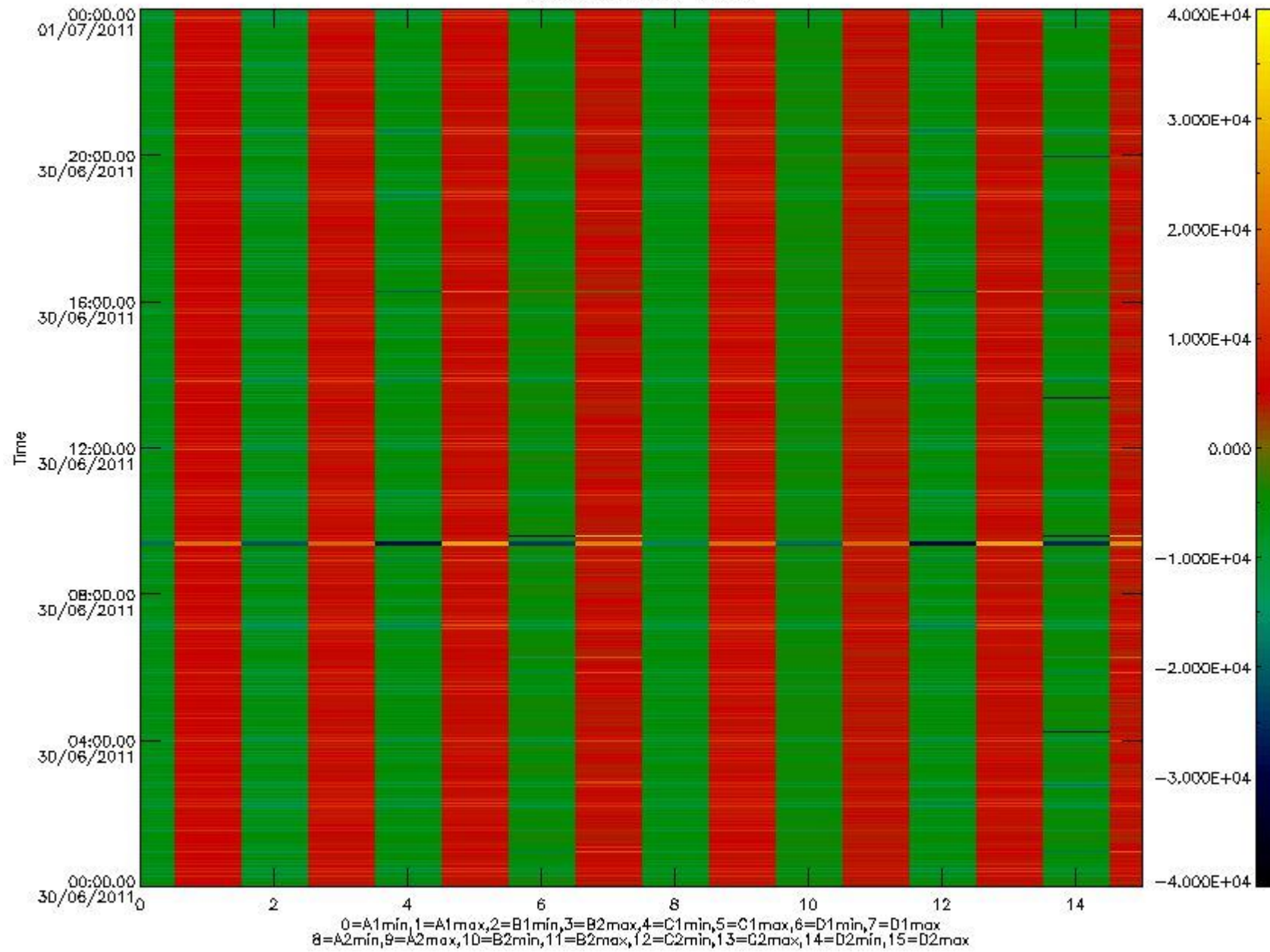


mipas_daily_report_level0_KSPT_L0_4504_N_20110630_10.PNG

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

Channel	Min	Max	ADC
A1	-19061	20279	16bit
B1	-22034	18789	16bit
C1	-32768	28348	16bit
D1	-32768	32767	16bit
A2	-16433	20430	16bit
B2	-20422	19944	16bit
C2	-29513	29162	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_20110630_11.PNG

0.3 ADF monitoring

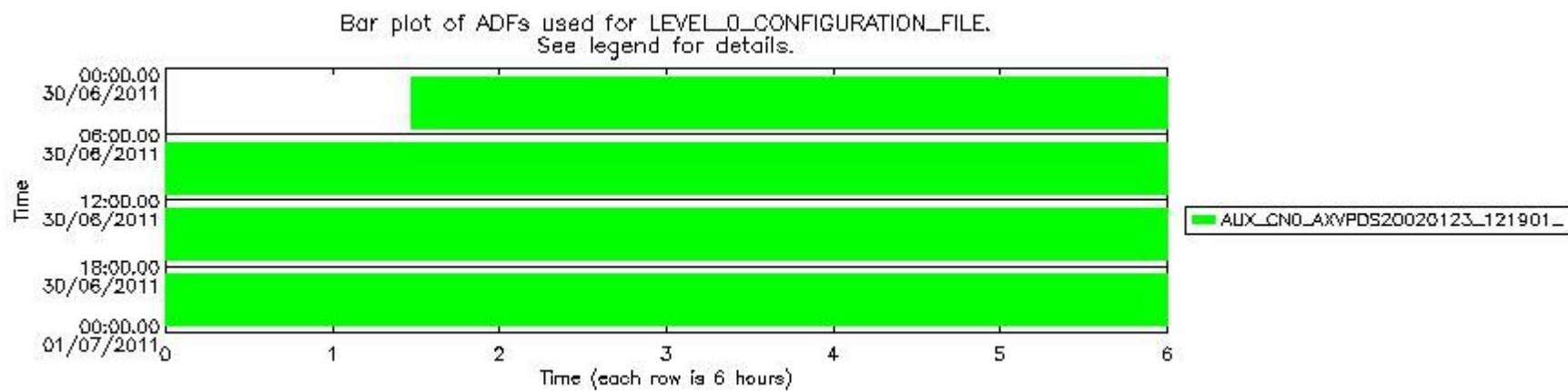
The use of ADFs is shown in two ways:

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.

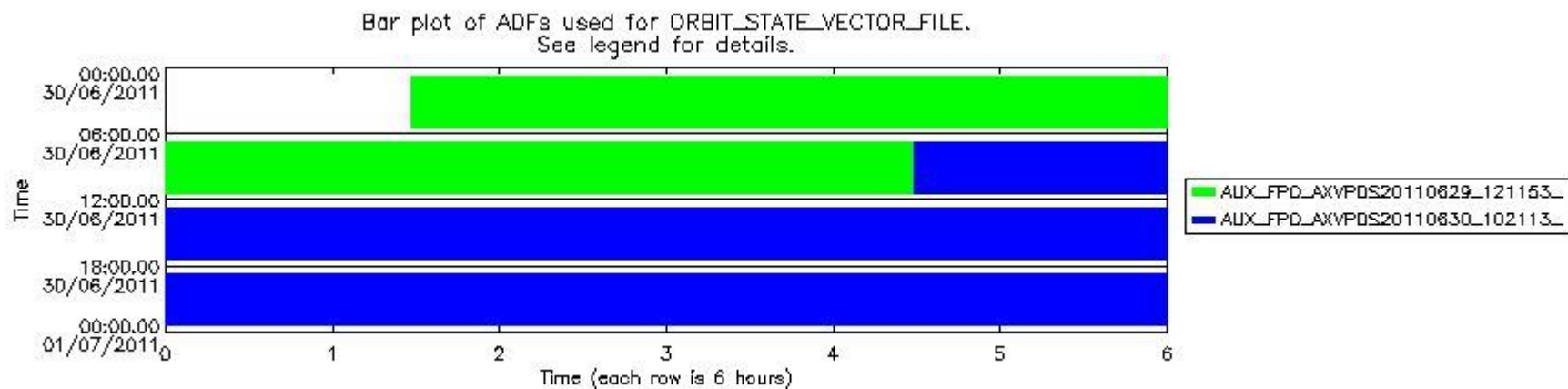
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110629_121153_20110628_193538_20110708_200911
2	AUX_FPO_AXVPDS20110630_102113_20110629_185854_20110709_211241

Number	Product name	#CN0	#FPO
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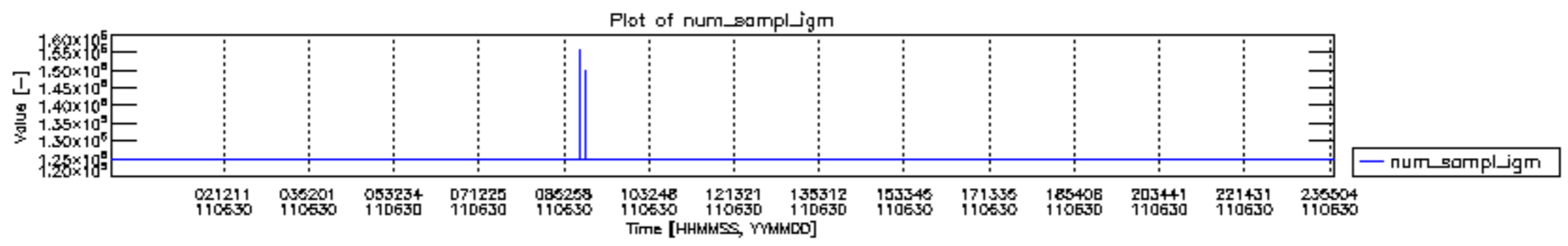
0	MIP_NL__0PNPDE20110630_012805_000102473104_00074_48795_9139.N1	0	1
1	MIP_NL__0PNPDE20110630_041818_000062233104_00076_48797_9140.N1	0	1
2	MIP_NL__0PNPDK20110630_060128_000040783104_00077_48798_5626.N1	0	1
3	MIP_NL__0PNPDK20110630_070853_000061083104_00078_48799_5627.N1	0	1
4	MIP_NL__0PNPDK20110630_085008_000059683104_00079_48800_5628.N1	0	1
5	MIP_NL__0PNPDK20110630_102852_000060673104_00080_48801_5629.N1	0	2
6	MIP_NL__0PNPDK20110630_120925_000058853104_00081_48802_5630.N1	0	2
7	MIP_NL__0PNPDK20110630_134656_000058723104_00082_48803_5632.N1	0	2
8	MIP_NL__0PNPDK20110630_152415_000060543104_00083_48804_5633.N1	0	2
9	MIP_NL__0PNPDK20110630_170436_000057823104_00084_48805_5634.N1	0	2
10	MIP_NL__0PNPDK20110630_184002_000058853104_00085_48806_5635.N1	0	2
11	MIP_NL__0PNPDE20110630_201628_000044523104_00086_48807_9141.N1	0	2
12	MIP_NL__0PNPDE20110630_212938_000062093104_00086_48807_9142.N1	0	2
13	MIP_NL__0PNPDE20110630_231204_000060813104_00087_48808_9143.N1	0	2

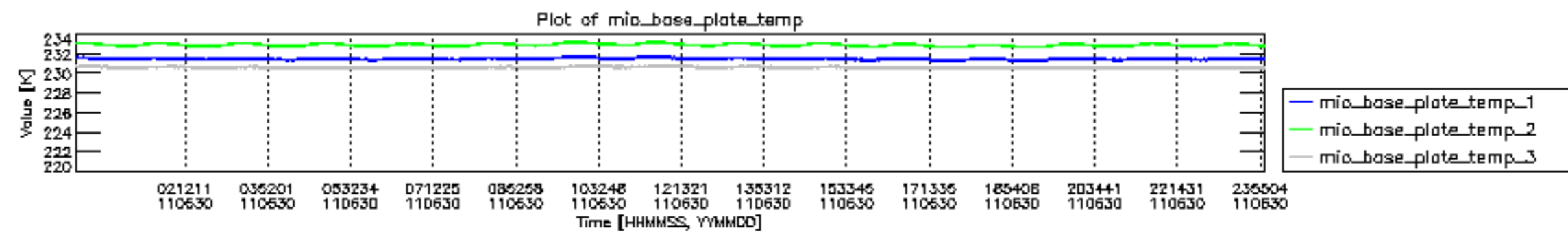


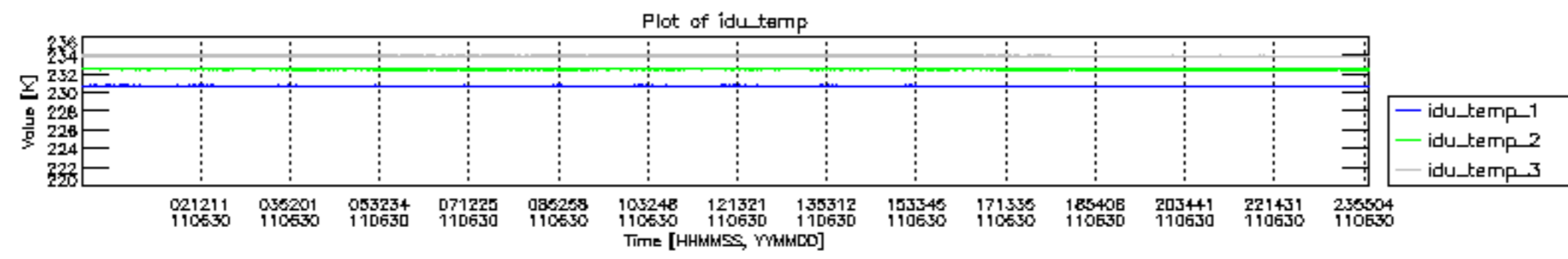
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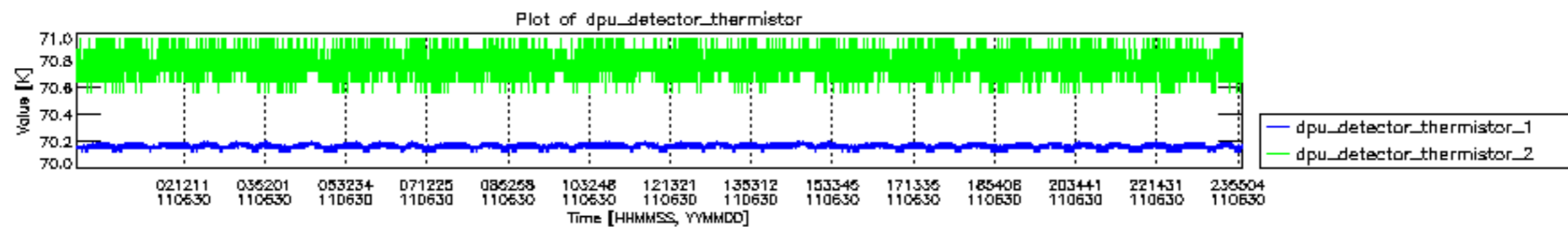


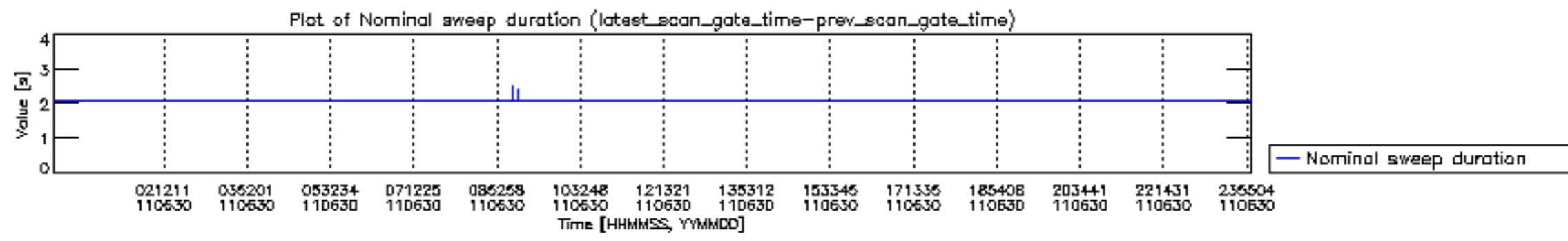
mipas_daily_report_level0_KSPT_L0_4504_N_20110630_13.PNG

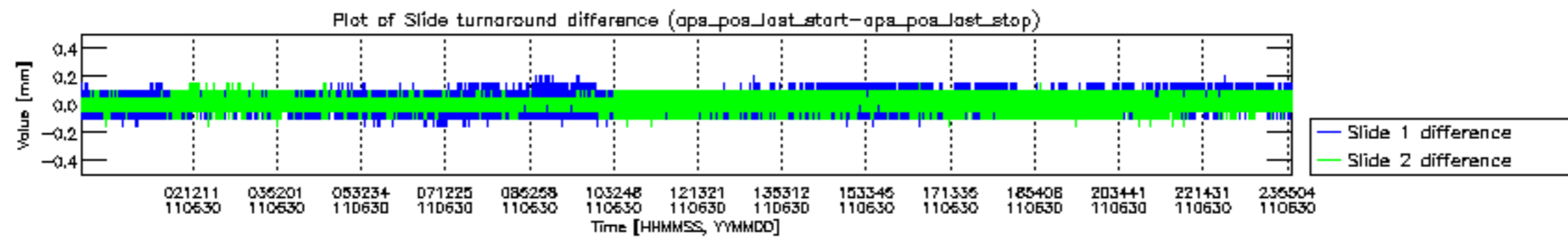


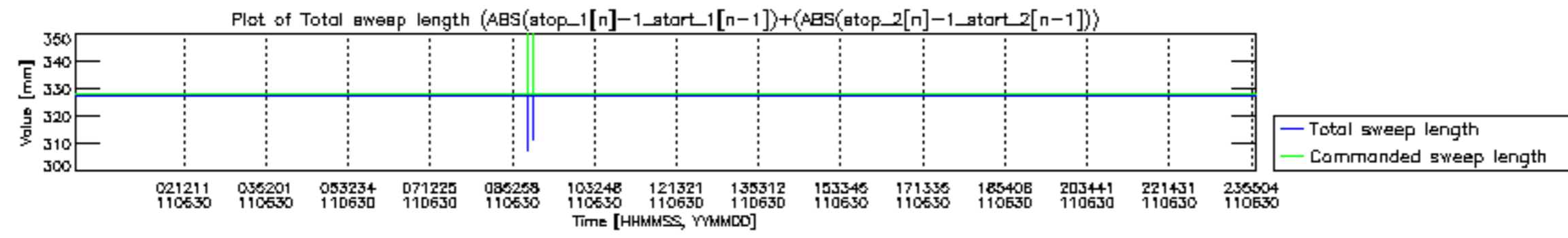


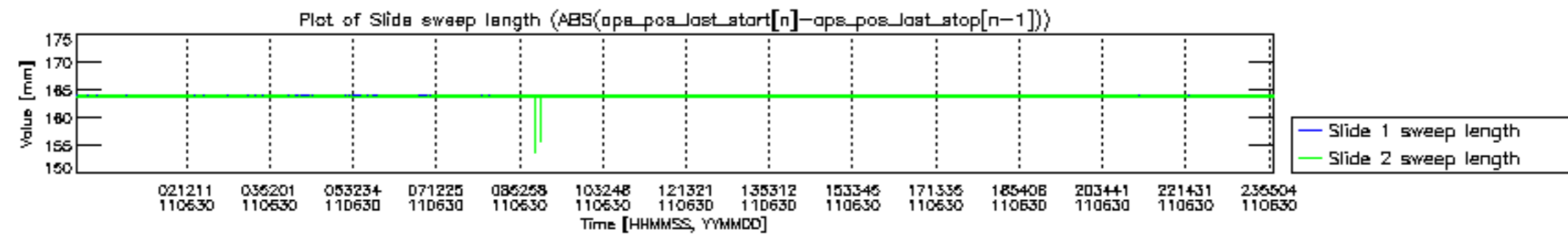


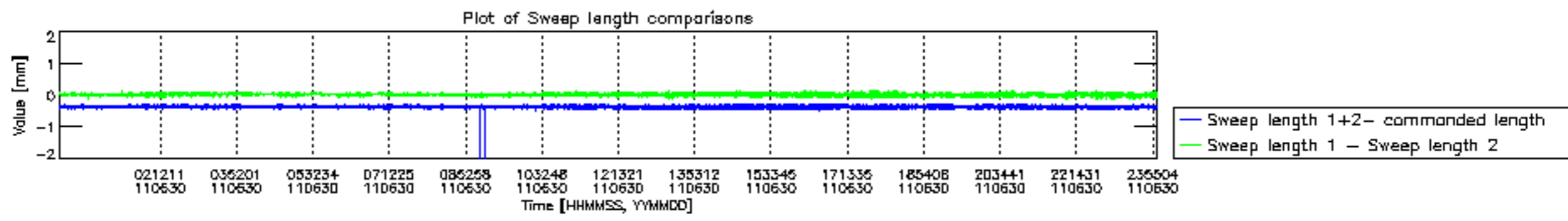


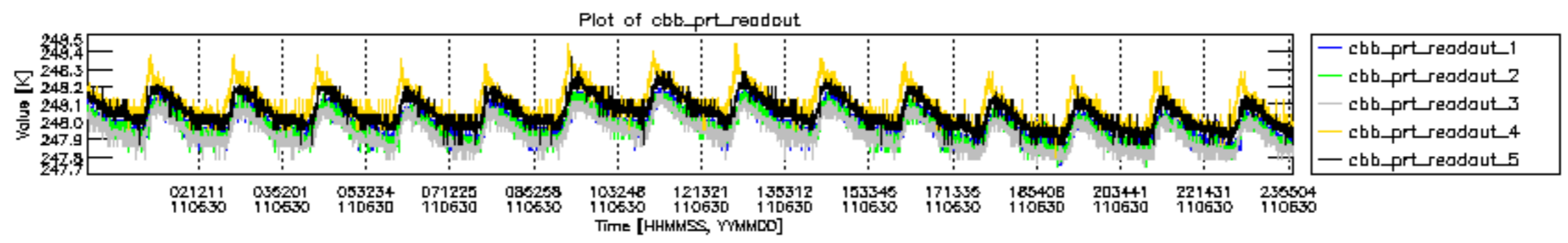


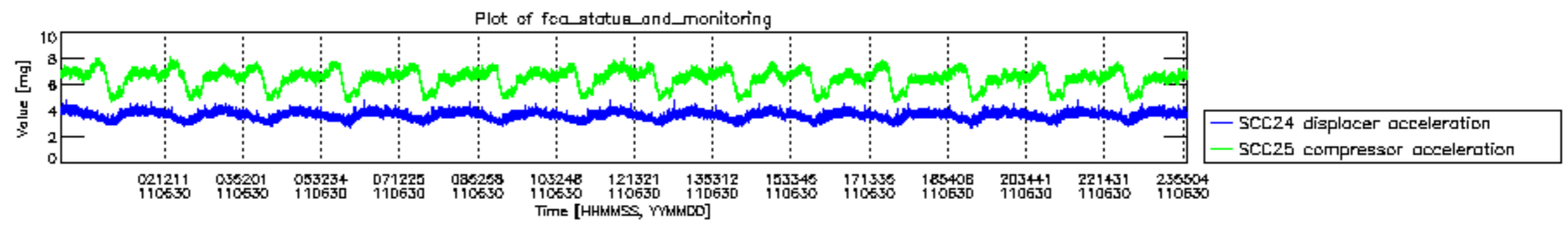












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

