

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	03MAY2011 05:24:05
Data source version	KSPT_L0/4504-N
Processing scope for products	28APR2011 00:00:00 to 29APR2011 00:00:00
Start time of first product within scope	28APR2011 01:36:10
Stop time of last product within scope	29APR2011 01:01:09
Total number of level 0 products	16
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__0PNPDE20110428_013610_000043433102_00031_47890_3526.N1	28APR2011 01:36:10	28APR2011 02:48:33	0	0	0	0	0
1	MIP_NL__0PNPDE20110428_024800_000042623102_00032_47891_3527.N1	28APR2011 02:48:00	28APR2011 03:59:01	0	0	0	0	0
2	MIP_NL__0PNPDE20110428_035830_000019143102_00033_47892_3530.N1	28APR2011 03:58:30	28APR2011 04:30:24	0	0	0	0	0
3	MIP_NL__0PNPDE20110428_042950_000060853102_00033_47892_3528.N1	28APR2011 04:29:50	28APR2011 06:11:15	0	0	0	0	0
4	MIP_NL__0PNPDK20110428_061042_000040883102_00034_47893_4977.N1	28APR2011 06:10:42	28APR2011 07:18:50	0	0	0	0	0
5	MIP_NL__0PNPDK20110428_071808_000061353102_00035_47894_4984.N1	28APR2011 07:18:08	28APR2011 09:00:23	0	0	0	0	0
6	MIP_NL__0PNPDK20110428_085940_000059823102_00036_47895_4979.N1	28APR2011 08:59:40	28APR2011 10:39:21	0	0	0	0	0
7	MIP_NL__0PNPDK20110428_103839_000059453102_00037_47896_4981.N1	28APR2011 10:38:39	28APR2011 12:17:45	0	0	0	0	0
8	MIP_NL__0PNPDK20110428_121703_000059583102_00038_47897_4982.N1	28APR2011 12:17:03	28APR2011 13:56:21	0	0	0	0	0
9	MIP_NL__0PNPDK20110428_135537_000059023102_00039_47898_4983.N1	28APR2011 13:55:37	28APR2011 15:33:59	0	0	0	0	0
10	MIP_NL__0PNPDK20110428_153317_000058723102_00040_47899_4985.N1	28APR2011 15:33:17	28APR2011 17:11:09	1	1	0	0	0
11	MIP_NL__0PNPDK20110428_171013_000058663102_00041_47900_4986.N1	28APR2011 17:10:13	28APR2011 18:47:59	0	0	0	0	0
12	MIP_NL__0PNPDK20110428_184700_000060393102_00042_47901_4987.N1	28APR2011 18:47:00	28APR2011 20:27:40	0	0	0	0	0
13	MIP_NL__0PNPDE20110428_202614_000044713102_00043_47902_3531.N1	28APR2011 20:26:14	28APR2011 21:40:44	0	0	0	0	0
14	MIP_NL__0PNPDE20110428_213946_000061523102_00043_47902_3532.N1	28APR2011 21:39:46	28APR2011 23:22:18	0	0	0	0	0
15	MIP_NL__0PNPDE20110428_232118_000059913102_00044_47903_3533.N1	28APR2011 23:21:18	29APR2011 01:01:09	0	0	0	0	0

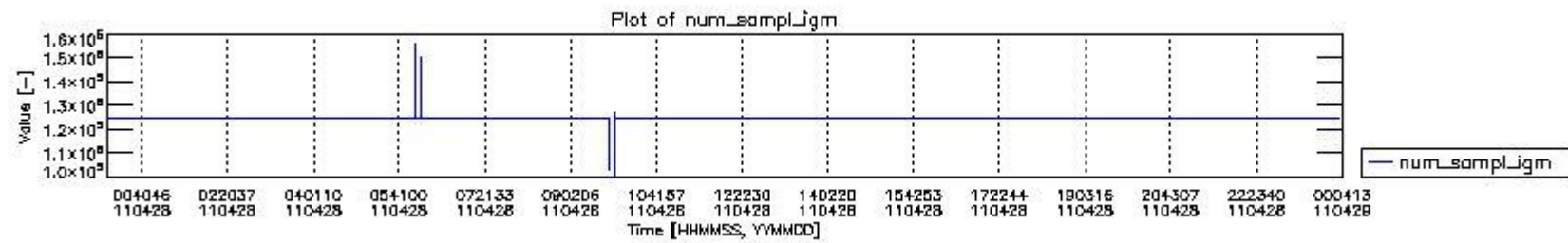
0.2 Instrument Operational Performance Parameters

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.

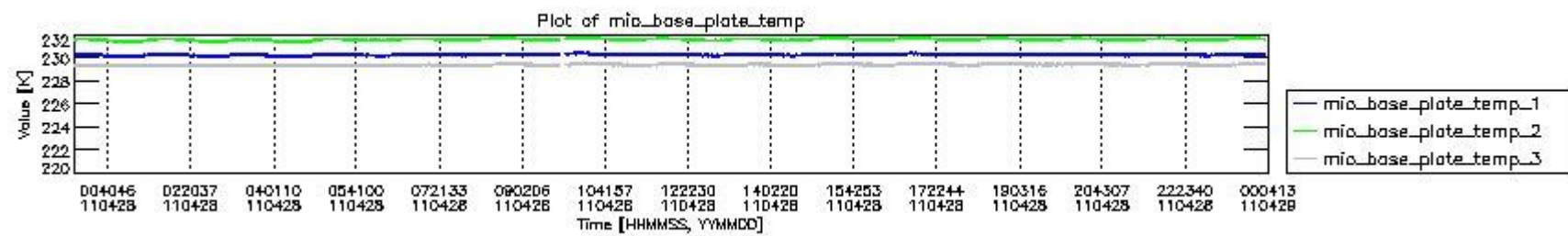
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100780	1	0.0024190817
102964	1	0.0024190817

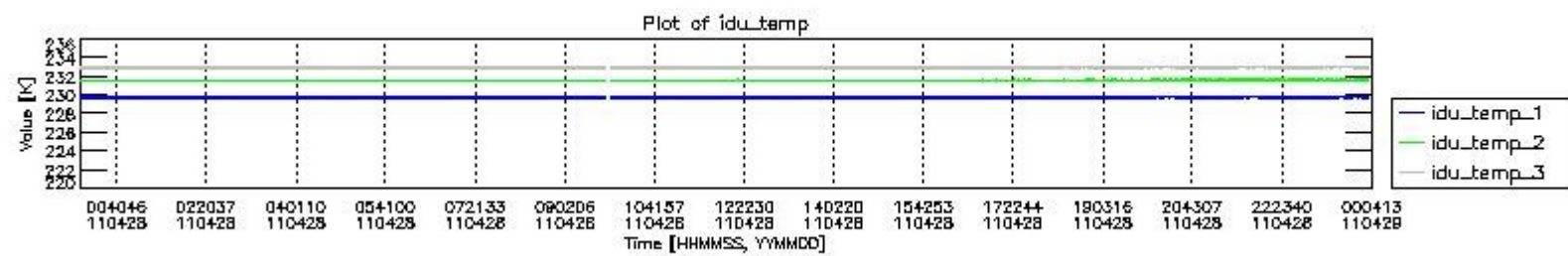
103816	1	0.0024190817
123948	1	0.0024190817
124800	38396	92.883062
124803	2930	7.0879094
126032	1	0.0024190817
127264	1	0.0024190817
127531	1	0.0024190817
130356	1	0.0024190817
147663	1	0.0024190817
150394	1	0.0024190817
150488	1	0.0024190817
156044	1	0.0024190817



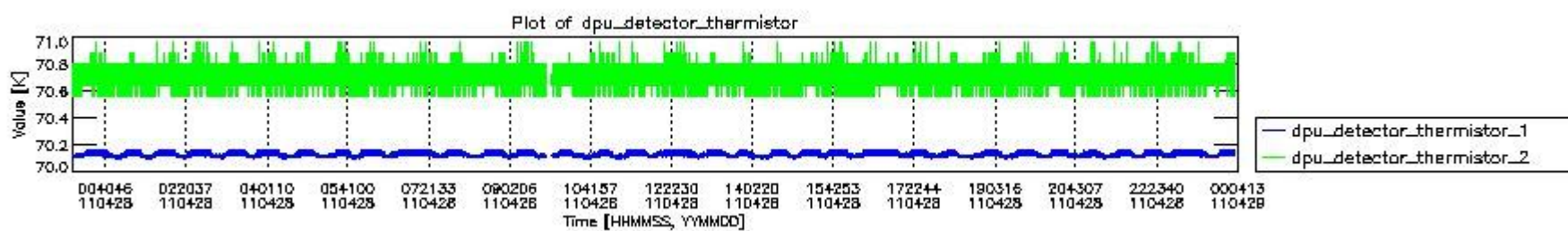
mipas_daily_report_level0_KSPT_L0_4504_N_20110428_0.PNG



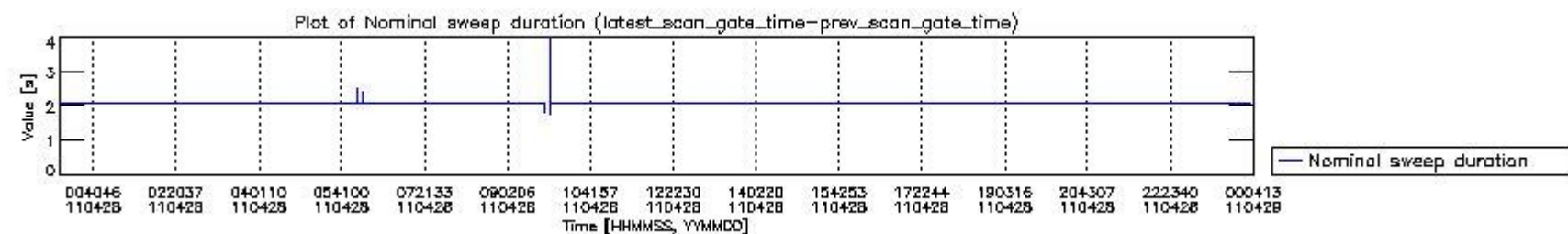
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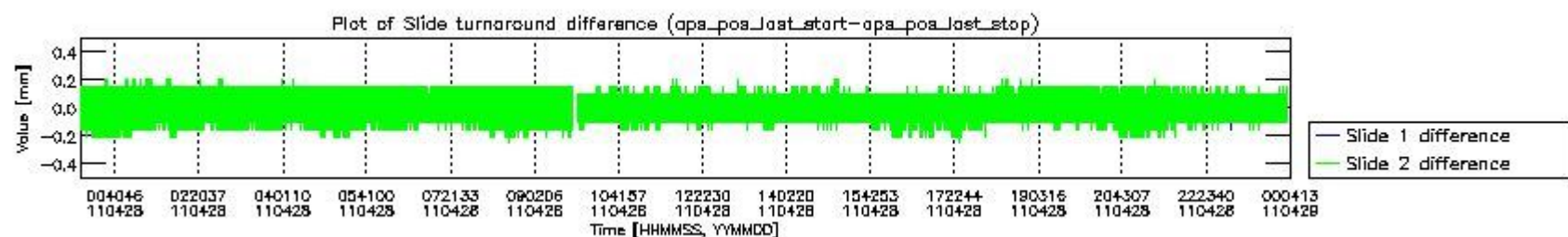
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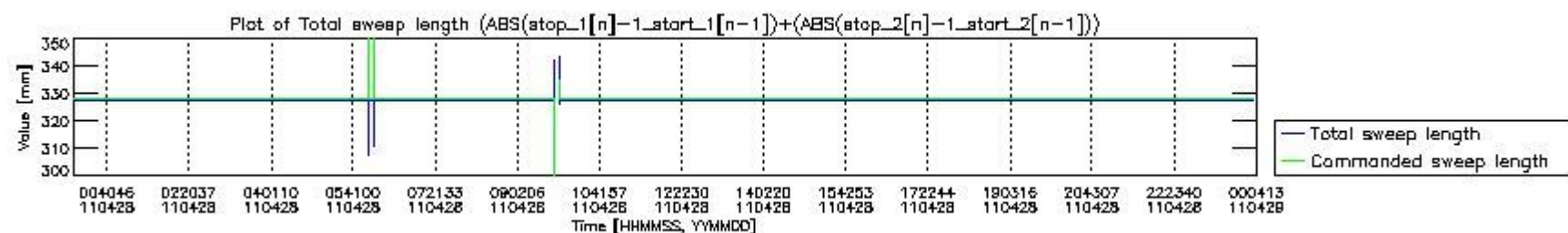
mipas_daily_report_level0_KSPT_L0_4504_N_20110428_3.PNG



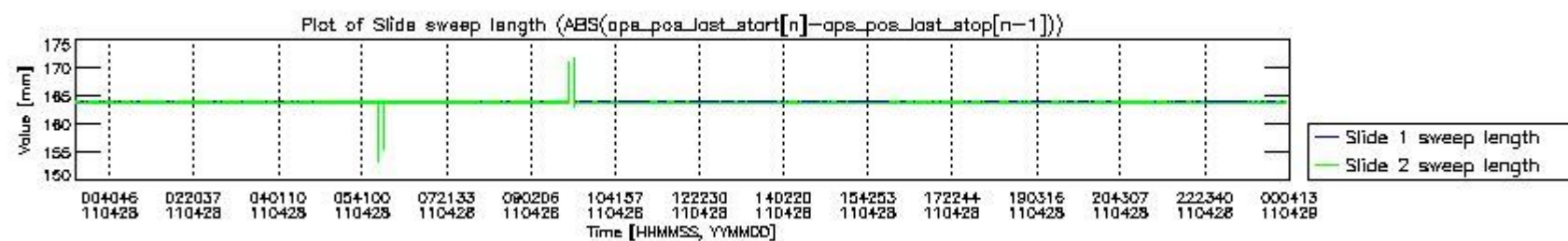
mipas_daily_report_level0_KSPT_L0_4504_N_20110428_4.PNG



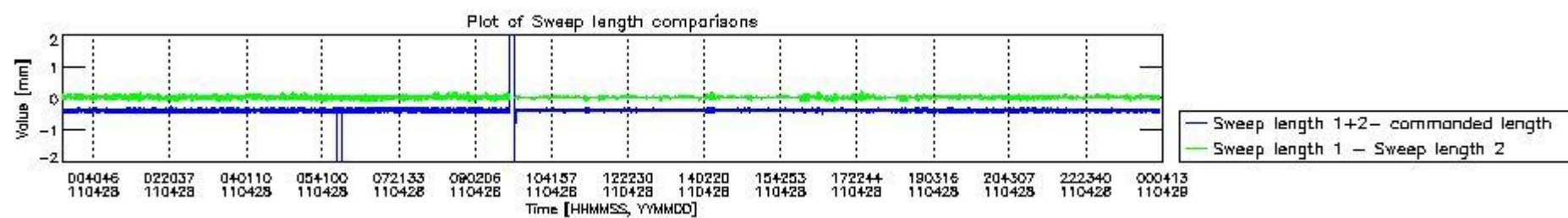
mipas_daily_report_level0_KSPT_L0_4504_N_20110428_5.PNG



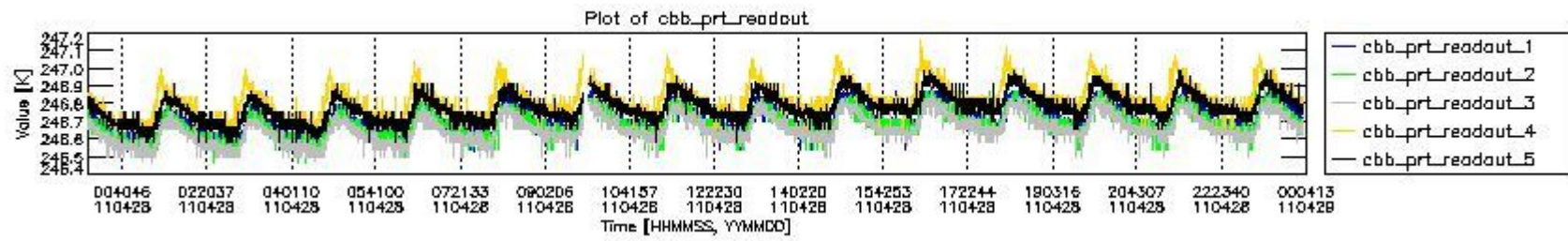
mipas_daily_report_level0_KSPT_L0_4504_N_20110428_6.PNG



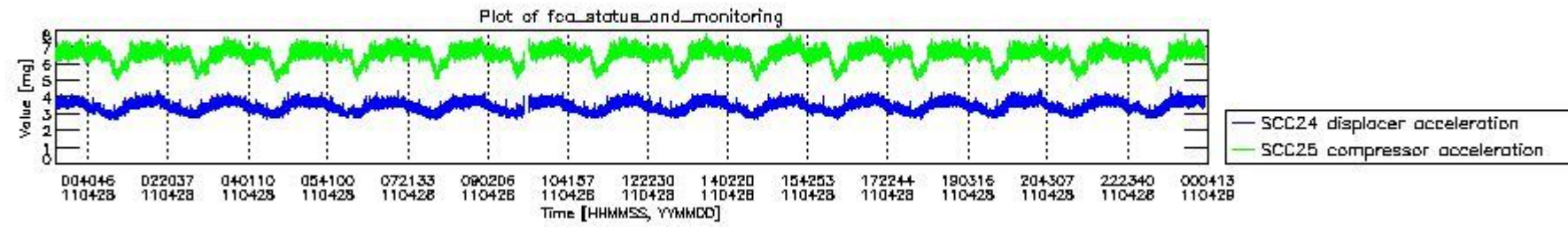
mipas_daily_report_level0_KSPT_L0_4504_N_20110428_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110428_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110428_9.PNG

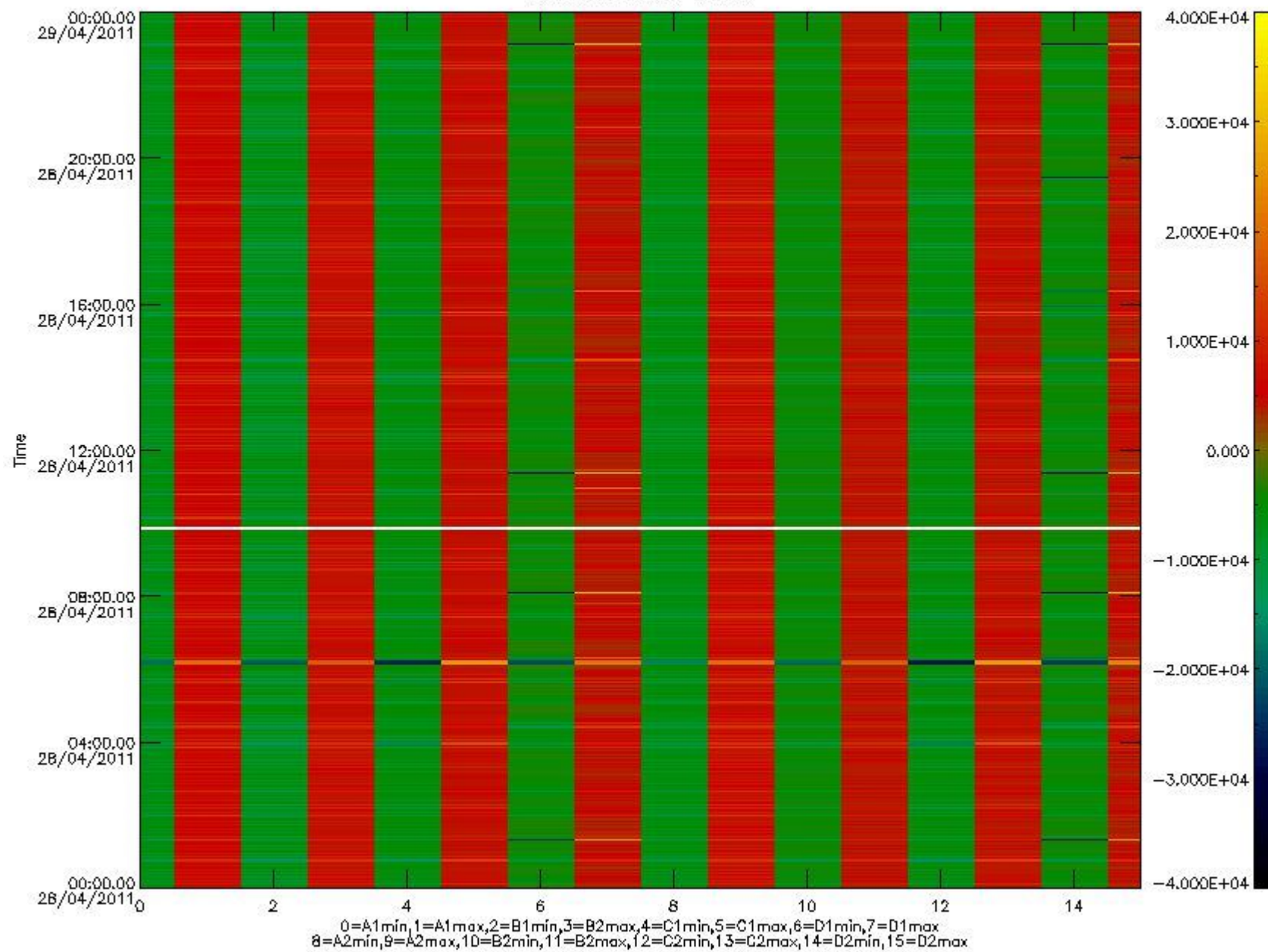


mipas_daily_report_level0_KSPT_L0_4504_N_20110428_10.PNG

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

Channel	Min	Max	ADC
A1	-19045	20482	16bit
B1	-21900	18531	16bit
C1	-26650	26560	16bit
D1	-32768	32767	16bit
A2	-16389	20622	16bit
B2	-20246	19481	16bit
C2	-27706	27332	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_20110428_11.PNG

0.3 ADF monitoring

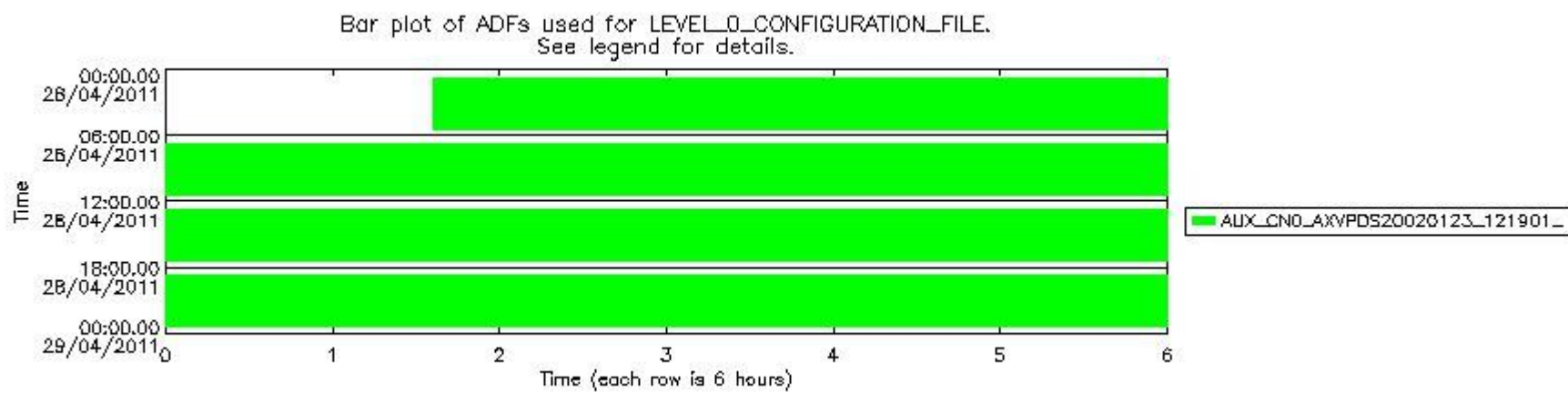
The use of ADFs is shown in two ways:

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.

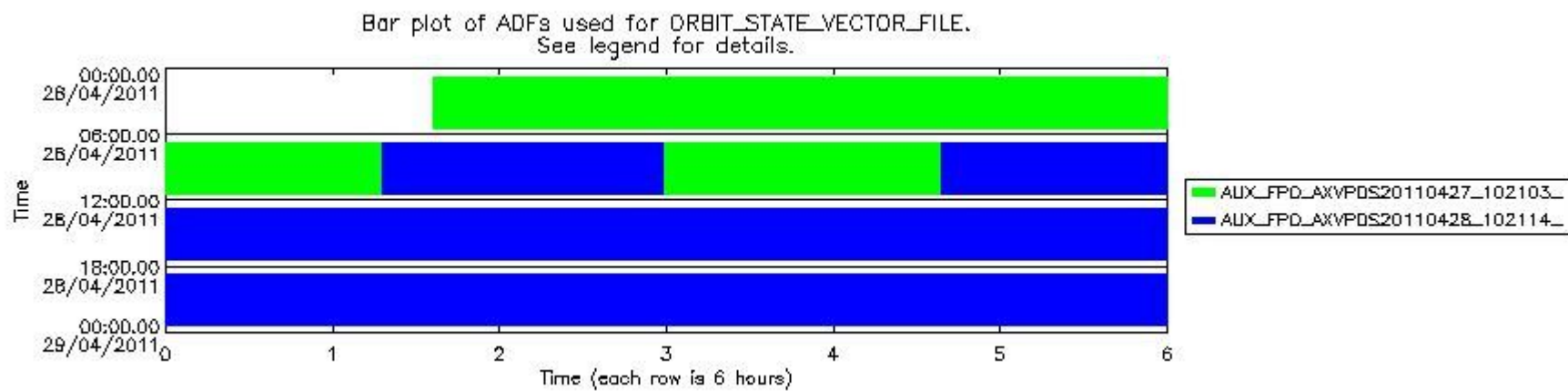
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110427_102103_20110426_194440_20110506_201813
2	AUX_FPO_AXVPDS20110428_102114_20110427_190756_20110507_212143

Number	Product name	#CN0	#FPO
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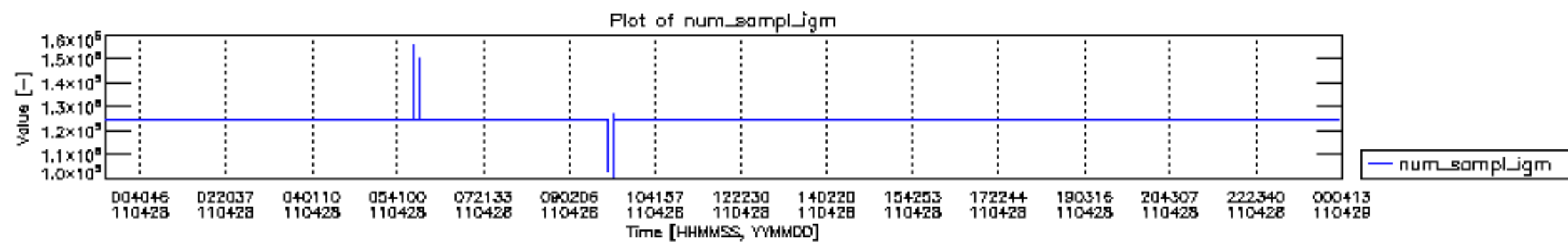
0	MIP_NL__0PNPDE20110428_013610_000043433102_00031_47890_3526.N1	0	1
1	MIP_NL__0PNPDE20110428_024800_000042623102_00032_47891_3527.N1	0	1
2	MIP_NL__0PNPDE20110428_035830_000019143102_00033_47892_3530.N1	0	1
3	MIP_NL__0PNPDE20110428_042950_000060853102_00033_47892_3528.N1	0	1
4	MIP_NL__0PNPDK20110428_061042_000040883102_00034_47893_4977.N1	0	1
5	MIP_NL__0PNPDK20110428_071808_000061353102_00035_47894_4984.N1	0	2
6	MIP_NL__0PNPDK20110428_085940_000059823102_00036_47895_4979.N1	0	1
7	MIP_NL__0PNPDK20110428_103839_000059453102_00037_47896_4981.N1	0	2
8	MIP_NL__0PNPDK20110428_121703_000059583102_00038_47897_4982.N1	0	2
9	MIP_NL__0PNPDK20110428_135537_000059023102_00039_47898_4983.N1	0	2
10	MIP_NL__0PNPDK20110428_153317_000058723102_00040_47899_4985.N1	0	2
11	MIP_NL__0PNPDK20110428_171013_000058663102_00041_47900_4986.N1	0	2
12	MIP_NL__0PNPDK20110428_184700_000060393102_00042_47901_4987.N1	0	2
13	MIP_NL__0PNPDE20110428_202614_000044713102_00043_47902_3531.N1	0	2
14	MIP_NL__0PNPDE20110428_213946_000061523102_00043_47902_3532.N1	0	2
15	MIP_NL__0PNPDE20110428_232118_000059913102_00044_47903_3533.N1	0	2

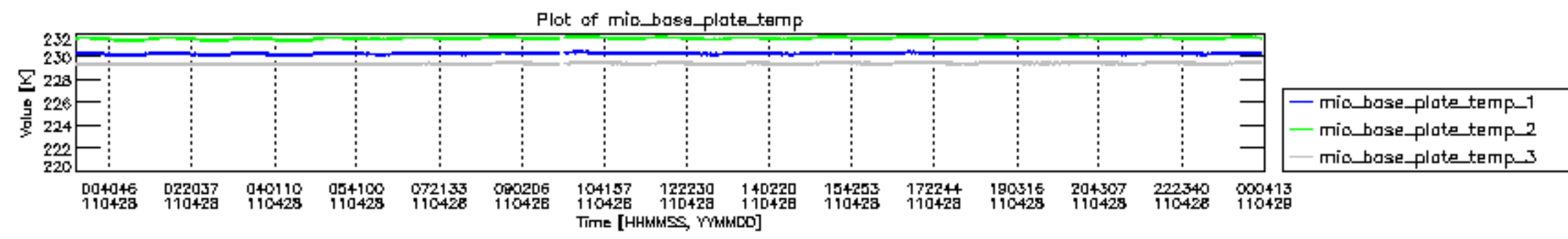


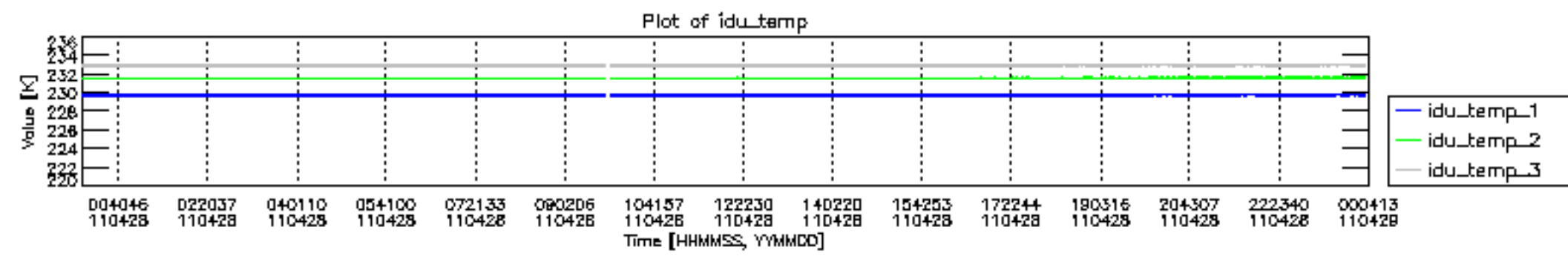
mipas_daily_report_level0_KSPT_L0_4504_N_20110428_12.PNG

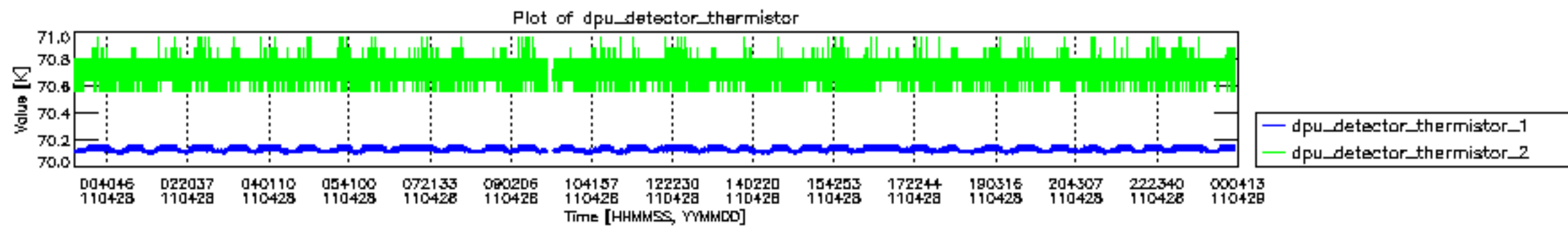


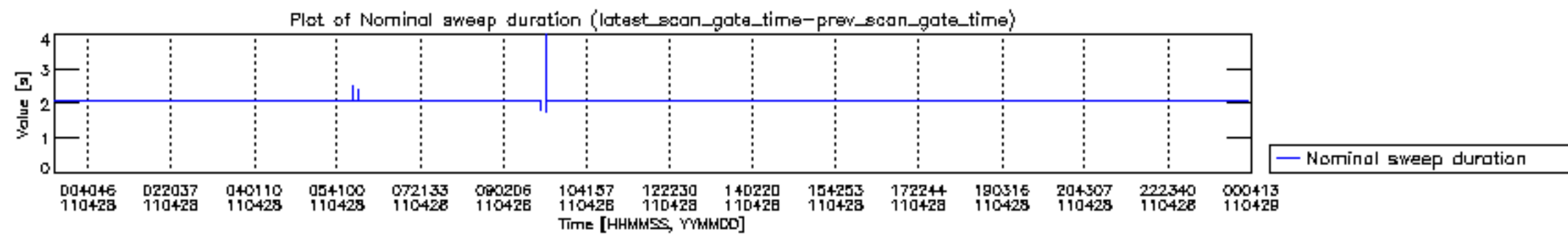
mipas_daily_report_level0_KSPT_L0_4504_N_20110428_13.PNG

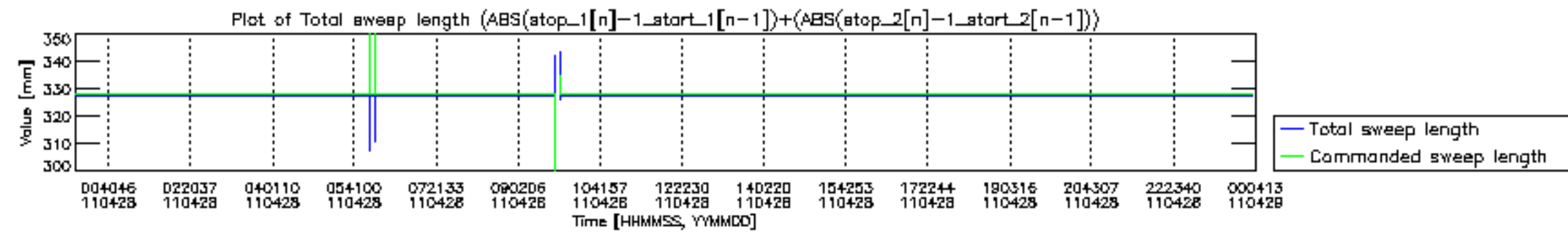


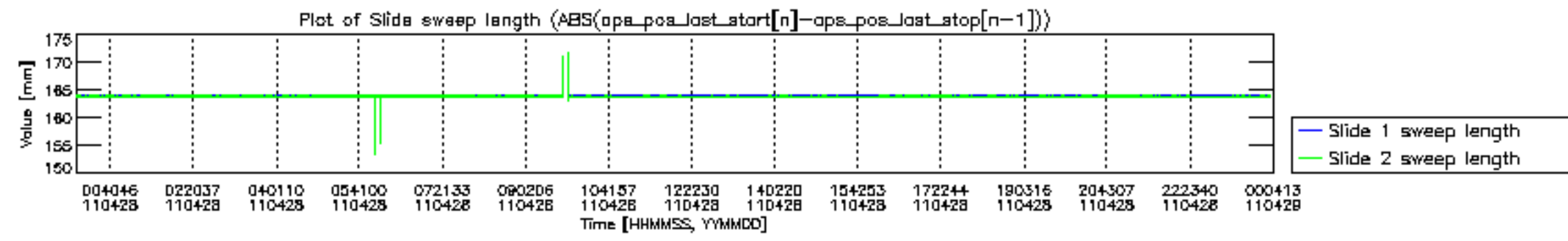


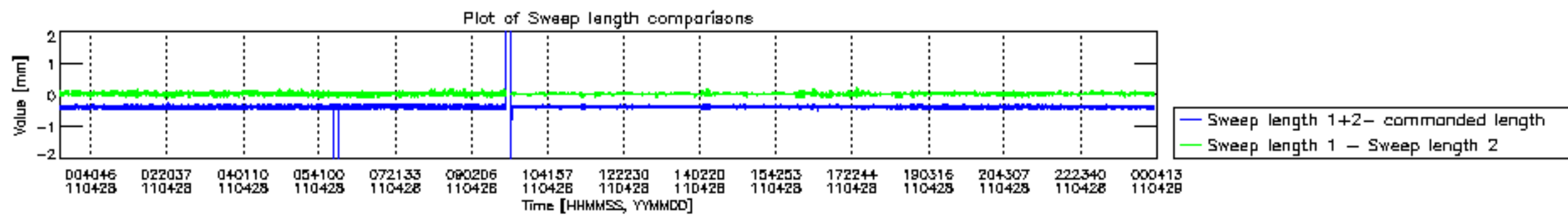


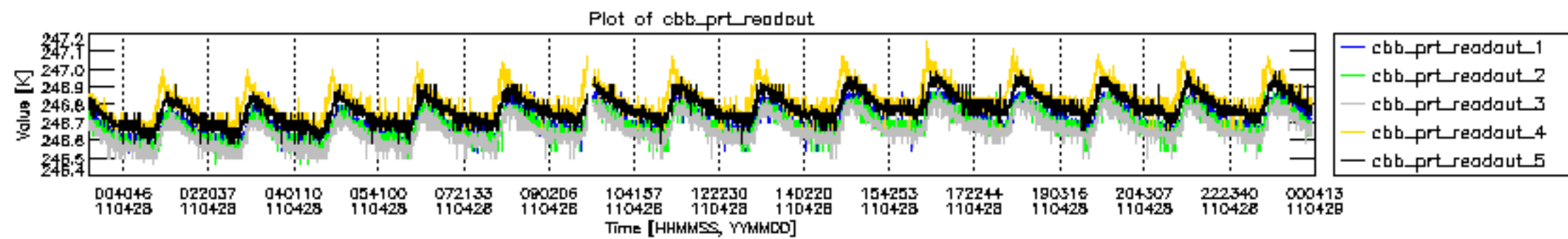












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

