

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	28MAR2011 05:26:03
Data source version	KSPT_L0/4504-N
Processing scope for products	23MAR2011 00:00:00 to 24MAR2011 00:00:00
Start time of first product within scope	23MAR2011 00:16:33
Stop time of last product within scope	24MAR2011 01:19:05
Total number of level 0 products	15
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__OPNPDE20110323_001633_000057843100_00375_47372_3161.N1	23MAR2011 00:16:33	23MAR2011 01:52:58	0	0	0	0	0
1	MIP_NL__OPNPDE20110323_015151_000045623100_00376_47373_3162.N1	23MAR2011 01:51:51	23MAR2011 03:07:53	0	0	0	0	0
2	MIP_NL__OPNPDE20110323_030718_000061563100_00377_47374_3163.N1	23MAR2011 03:07:18	23MAR2011 04:49:54	0	0	0	0	0
3	MIP_NL__OPNPDE20110323_044919_000060563100_00378_47375_3164.N1	23MAR2011 04:49:19	23MAR2011 06:30:15	0	0	0	0	0
4	MIP_NL__OPNPDK20110323_073708_000061263100_00380_47377_4638.N1	23MAR2011 07:37:08	23MAR2011 09:19:13	0	0	0	0	0
5	MIP_NL__OPNPDK20110323_091838_000059583100_00381_47378_4639.N1	23MAR2011 09:18:38	23MAR2011 10:57:56	0	0	0	0	0
6	MIP_NL__OPNPDK20110323_105708_000059933100_00382_47379_4640.N1	23MAR2011 10:57:08	23MAR2011 12:37:01	0	0	0	0	0
7	MIP_NL__OPNPDK20110323_123625_000059353100_00383_47380_4641.N1	23MAR2011 12:36:25	23MAR2011 14:15:20	0	0	0	0	0
8	MIP_NL__OPNPDK20110323_141415_000057473100_00384_47381_4642.N1	23MAR2011 14:14:15	23MAR2011 15:50:02	0	0	0	0	0
9	MIP_NL__OPNPDK20110323_154858_000060753100_00385_47382_4643.N1	23MAR2011 15:48:58	23MAR2011 17:30:12	0	0	0	0	0
10	MIP_NL__OPNPDK20110323_172908_000057803100_00386_47383_4644.N1	23MAR2011 17:29:08	23MAR2011 19:05:28	0	0	0	0	0
11	MIP_NL__OPNPDK20110323_190425_000060603100_00387_47384_4645.N1	23MAR2011 19:04:25	23MAR2011 20:45:25	0	0	0	0	0
12	MIP_NL__OPNPDE20110323_204412_000045143100_00388_47385_3165.N1	23MAR2011 20:44:12	23MAR2011 21:59:27	0	0	0	0	0
13	MIP_NL__OPNPDE20110323_215820_000060603100_00388_47385_3166.N1	23MAR2011 21:58:20	23MAR2011 23:39:20	0	0	0	0	0
14	MIP_NL__OPNPDE20110323_233813_000060523100_00389_47386_3167.N1	23MAR2011 23:38:13	24MAR2011 01:19:05	0	0	0	0	0

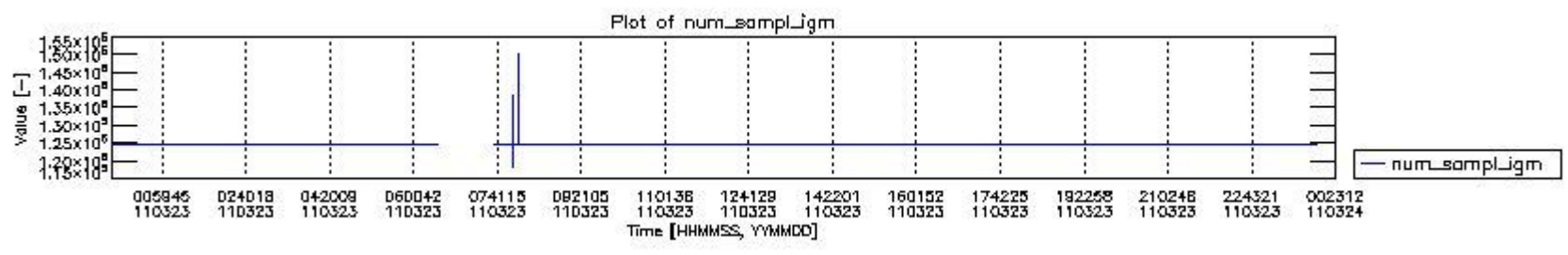
0.2 Instrument Operational Performance Parameters

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.

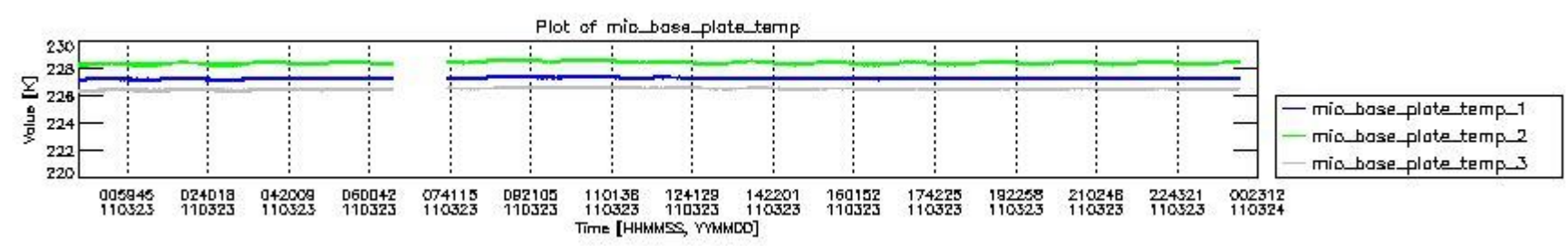
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
118312	1	0.0025193359
124800	36875	92.900511
124803	2812	7.0843726

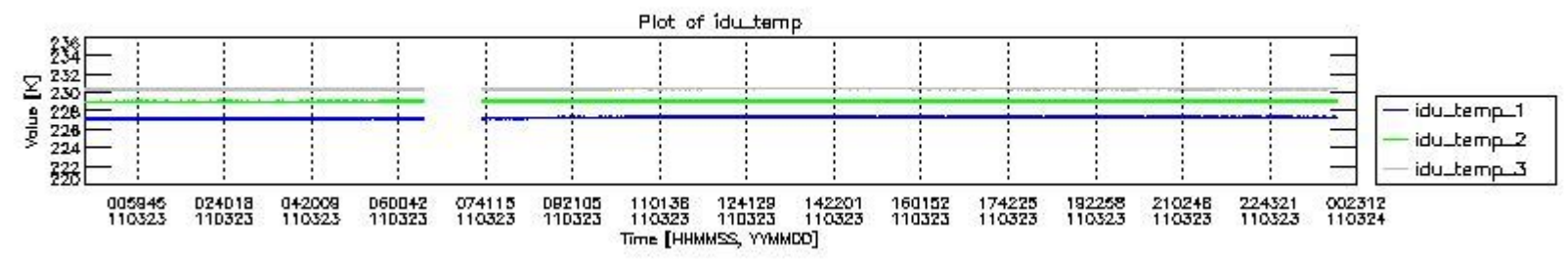
127531	1	0.0025193359
131956	1	0.0025193359
138444	1	0.0025193359
147663	1	0.0025193359
150394	1	0.0025193359



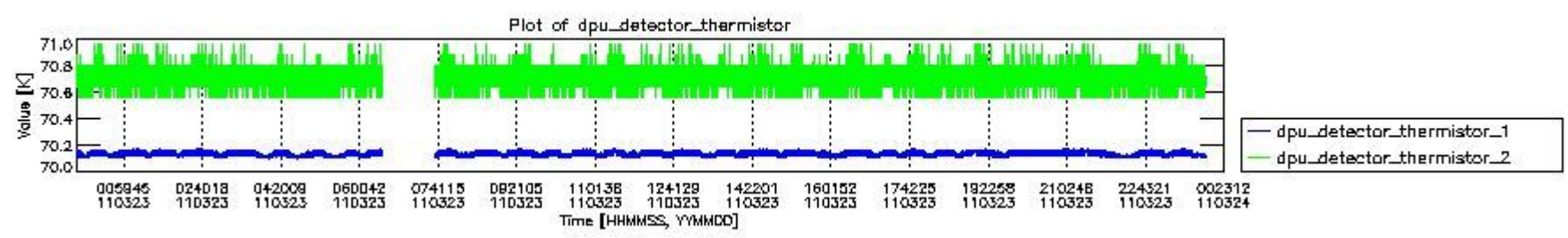
mipas_daily_report_level0_KSPT_L0_4504_N_20110323_0.PNG



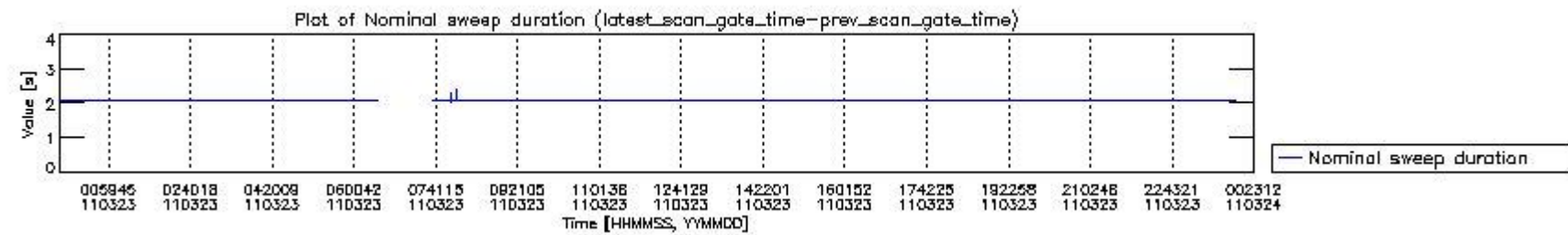
mipas_daily_report_level0_KSPT_L0_4504_N_20110323_1.PNG



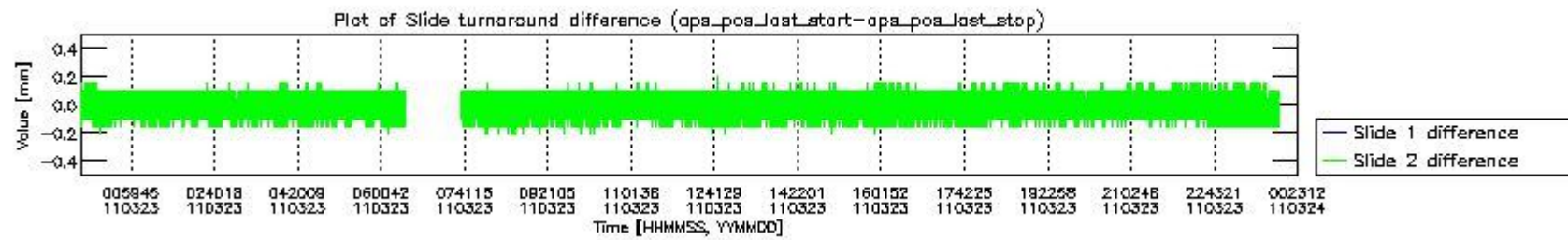
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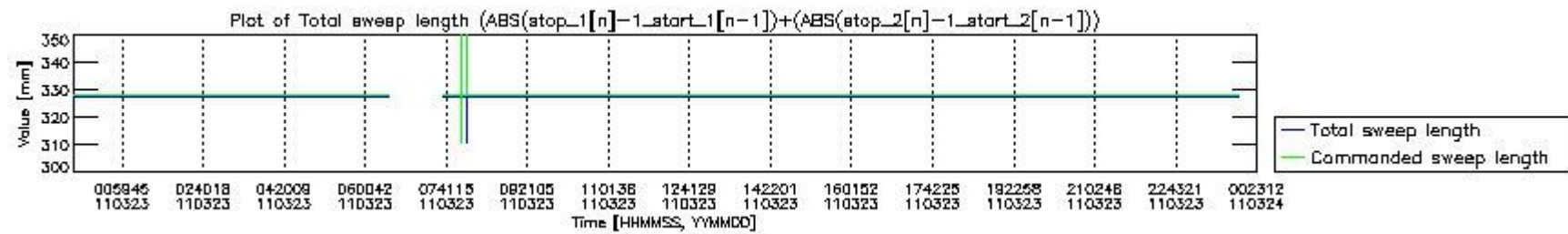
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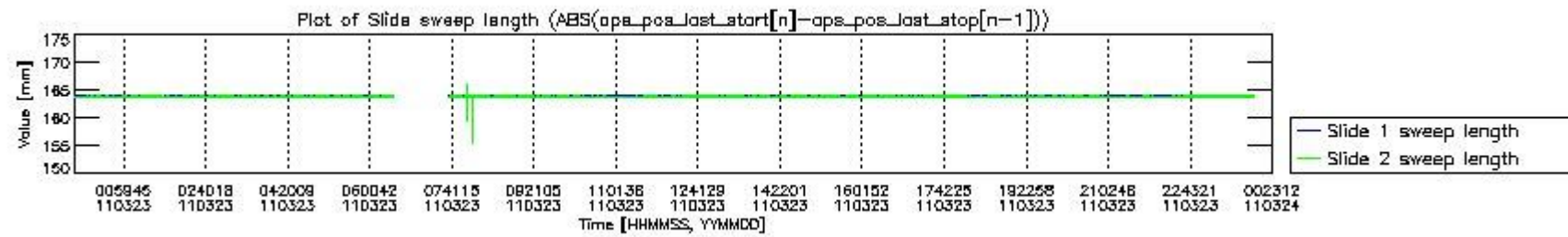
mipas_daily_report_level0_KSPT_L0_4504_N_20110323_4.PNG



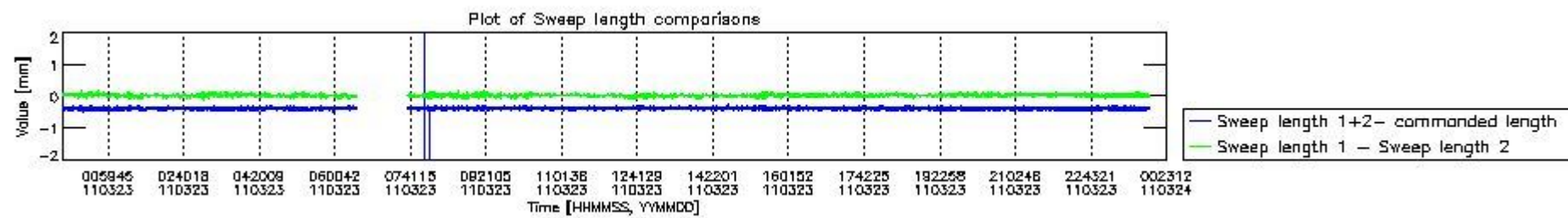
mipas_daily_report_level0_KSPT_L0_4504_N_20110323_5.PNG



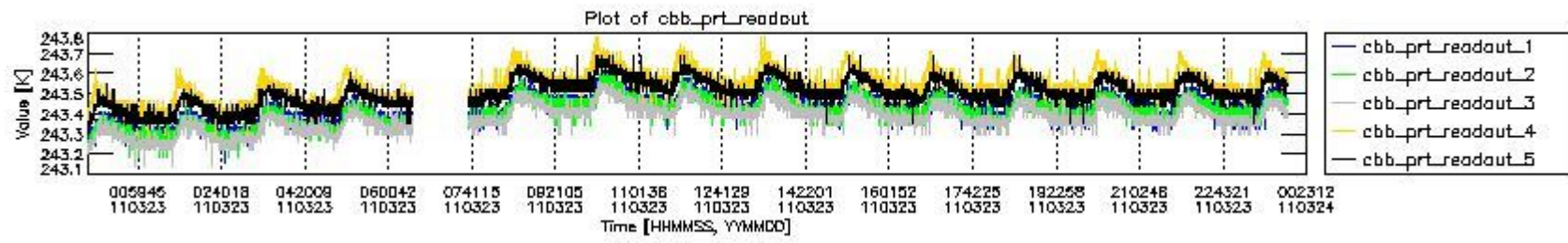
mipas_daily_report_level0_KSPT_L0_4504_N_20110323_6.PNG



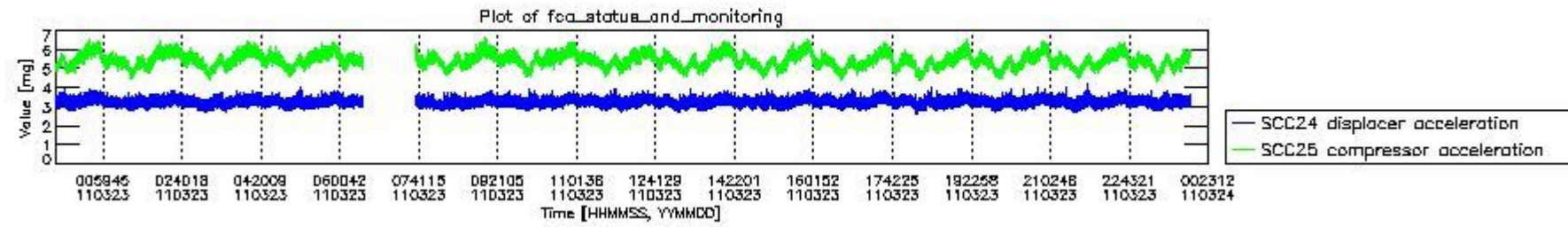
mipas_daily_report_level0_KSPT_L0_4504_N_20110323_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110323_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110323_9.PNG

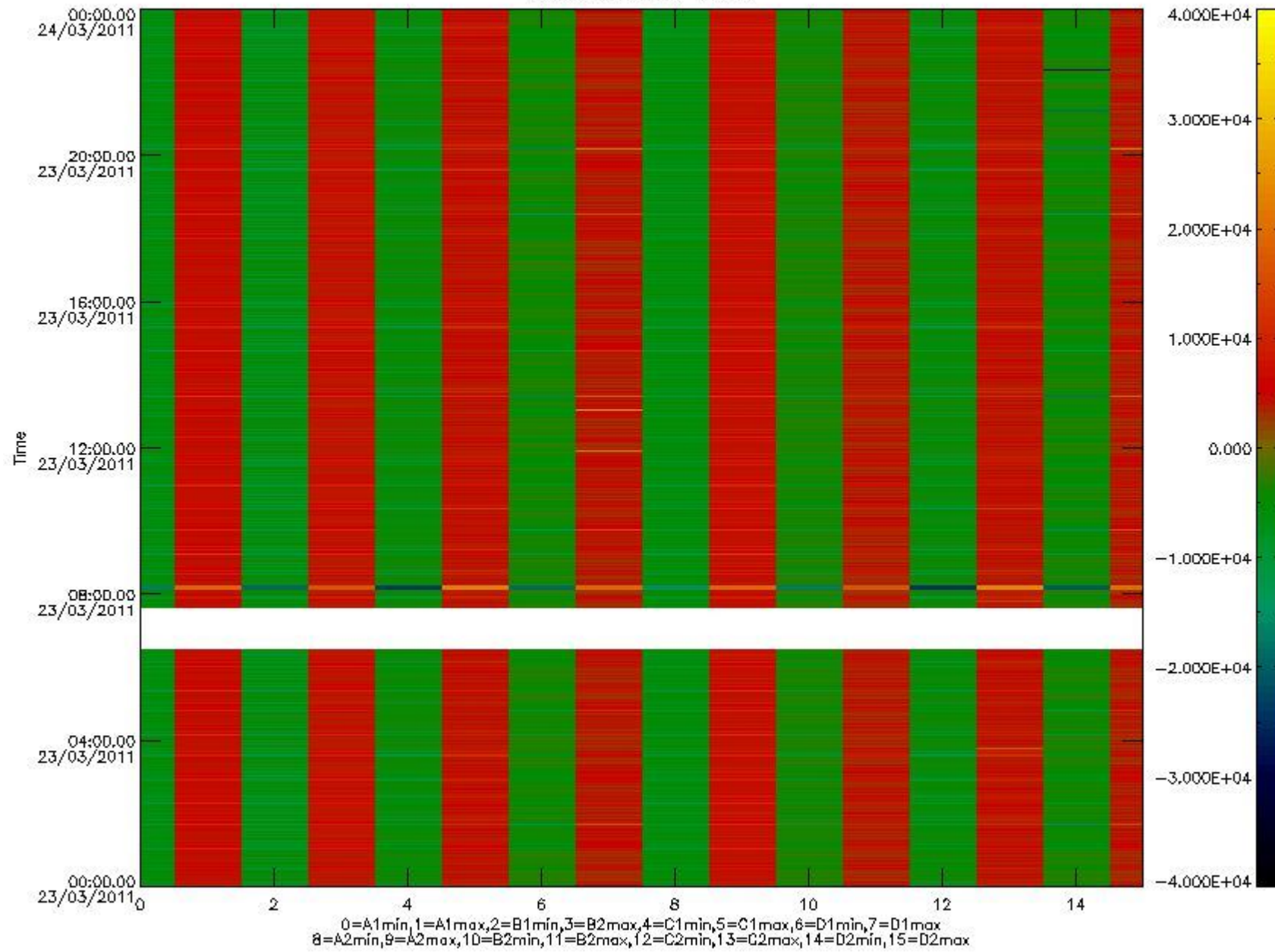


mipas_daily_report_level0_KSPT_L0_4504_N_20110323_10.PNG

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

Channel	Min	Max	ADC
A1	-17774	18815	16bit
B1	-19722	17079	16bit
C1	-23650	23448	16bit
D1	-31000	32767	16bit
A2	-15430	18986	16bit
B2	-17885	17540	16bit
C2	-24603	24150	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_20110323_11.PNG

0.3 ADF monitoring

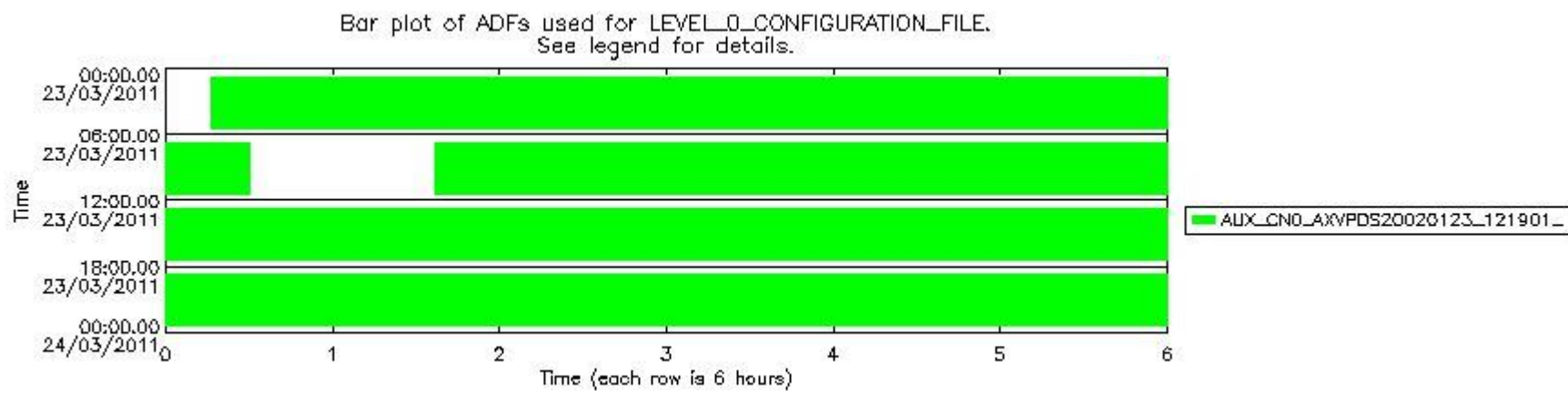
The use of ADFs is shown in two ways:

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.

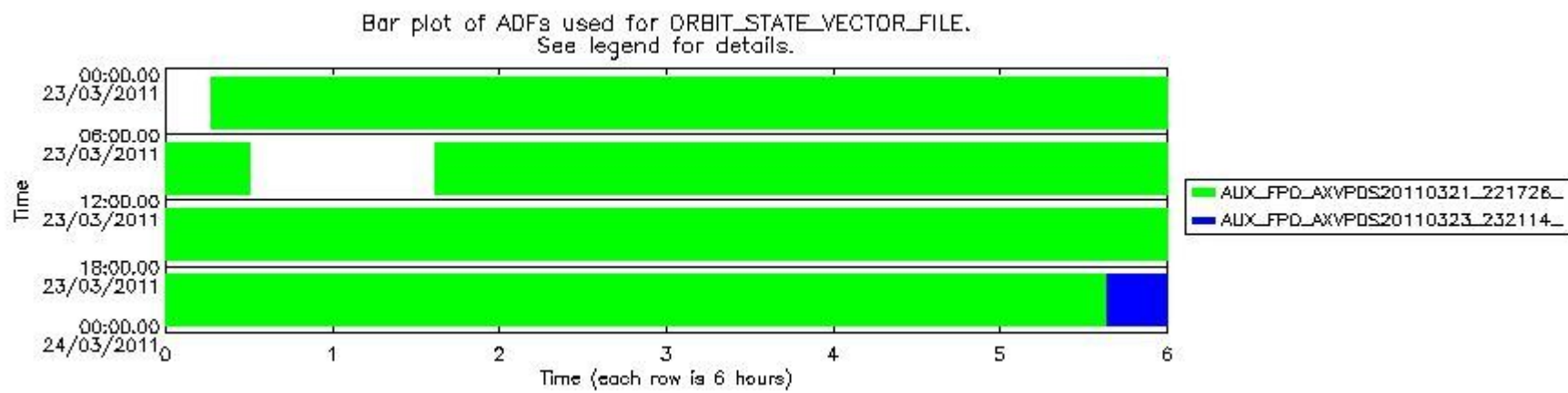
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110321_221726_20110321_182351_20110331_203741
2	AUX_FPO_AXVPDS20110323_232114_20110322_192721_20110401_200057

Number	Product name	#CN0	#FPO
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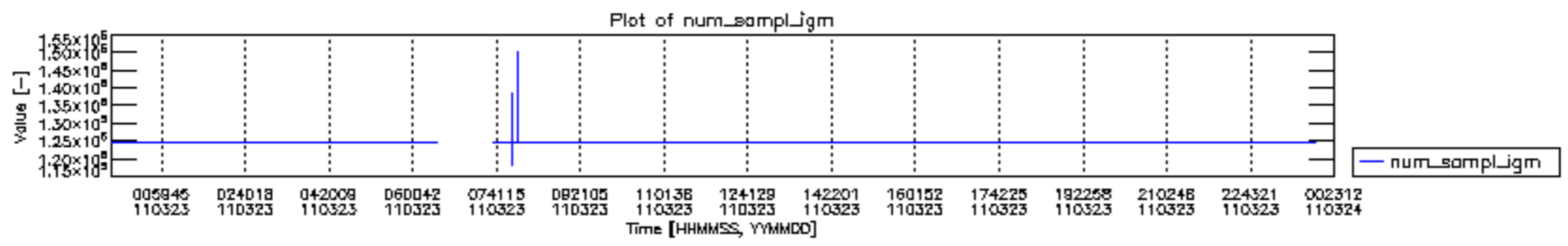
0	MIP_NL__0PNPDE20110323_001633_000057843100_00375_47372_3161.N1	0	1
1	MIP_NL__0PNPDE20110323_015151_000045623100_00376_47373_3162.N1	0	1
2	MIP_NL__0PNPDE20110323_030718_000061563100_00377_47374_3163.N1	0	1
3	MIP_NL__0PNPDE20110323_044919_000060563100_00378_47375_3164.N1	0	1
4	MIP_NL__0PNPDK20110323_073708_000061263100_00380_47377_4638.N1	0	1
5	MIP_NL__0PNPDK20110323_091838_000059583100_00381_47378_4639.N1	0	1
6	MIP_NL__0PNPDK20110323_105708_000059933100_00382_47379_4640.N1	0	1
7	MIP_NL__0PNPDK20110323_123625_000059353100_00383_47380_4641.N1	0	1
8	MIP_NL__0PNPDK20110323_141415_000057473100_00384_47381_4642.N1	0	1
9	MIP_NL__0PNPDK20110323_154858_000060753100_00385_47382_4643.N1	0	1
10	MIP_NL__0PNPDK20110323_172908_000057803100_00386_47383_4644.N1	0	1
11	MIP_NL__0PNPDK20110323_190425_000060603100_00387_47384_4645.N1	0	1
12	MIP_NL__0PNPDE20110323_204412_000045143100_00388_47385_3165.N1	0	1
13	MIP_NL__0PNPDE20110323_215820_000060603100_00388_47385_3166.N1	0	1
14	MIP_NL__0PNPDE20110323_233813_000060523100_00389_47386_3167.N1	0	2

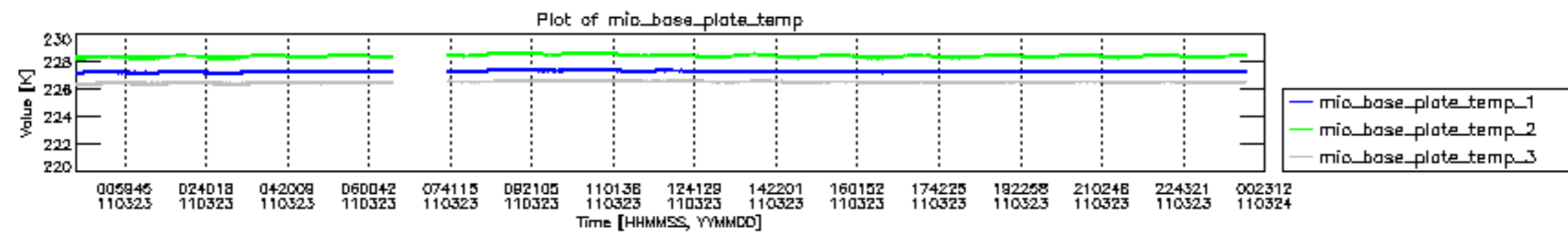


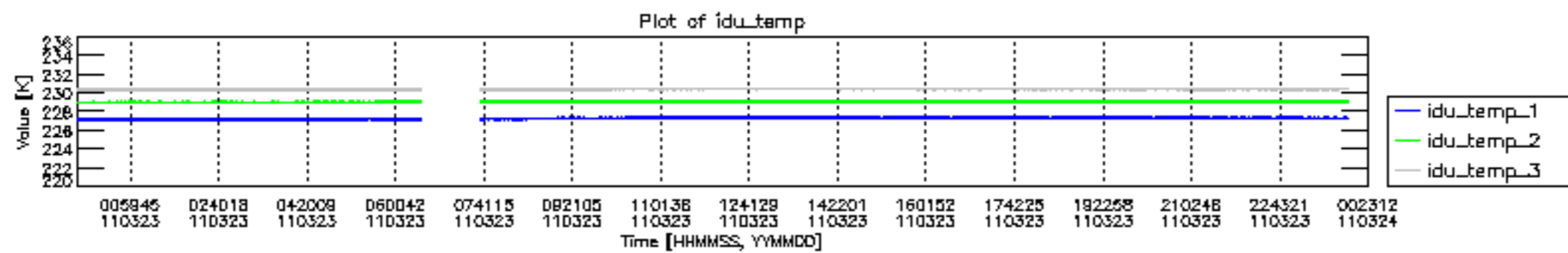
mipas_daily_report_level0_KSPT_L0_4504_N_20110323_12.PNG

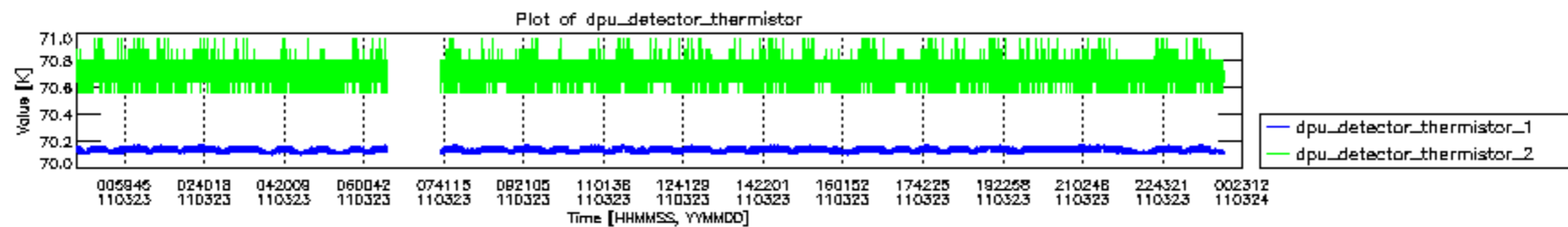


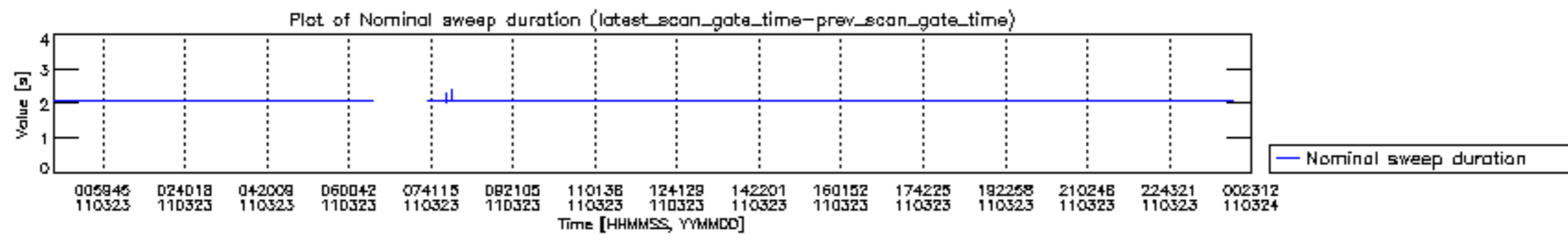
mipas_daily_report_level0_KSPT_L0_4504_N_20110323_13.PNG

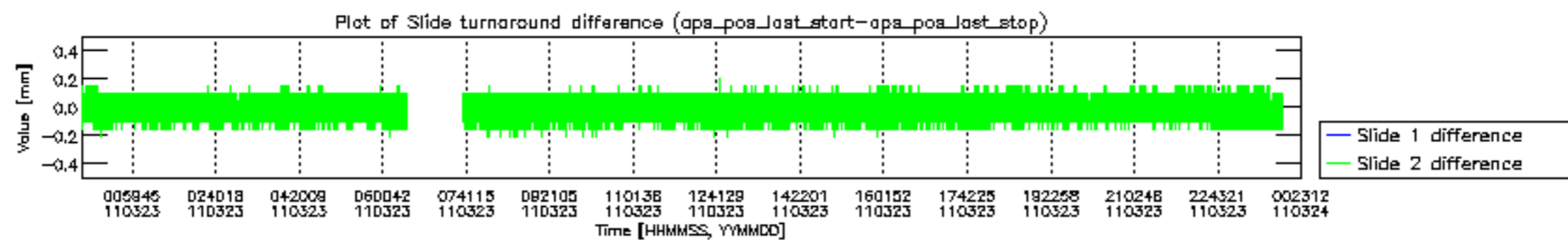


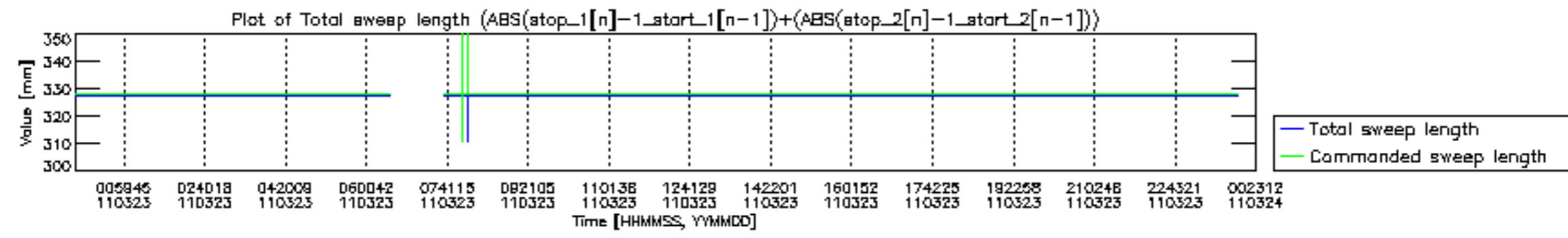


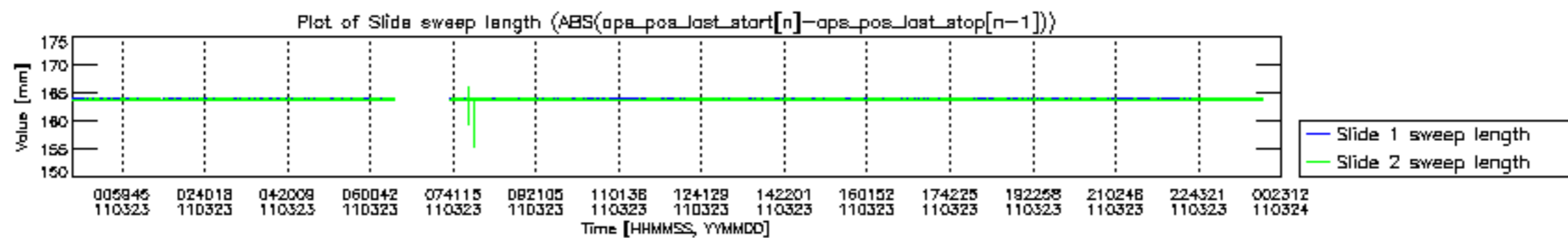


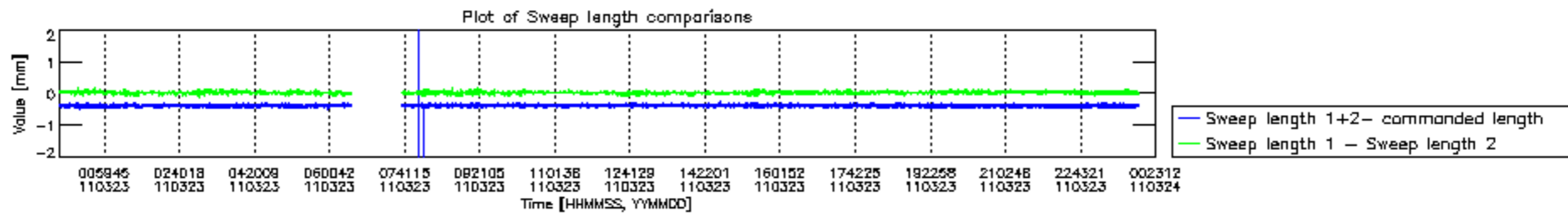


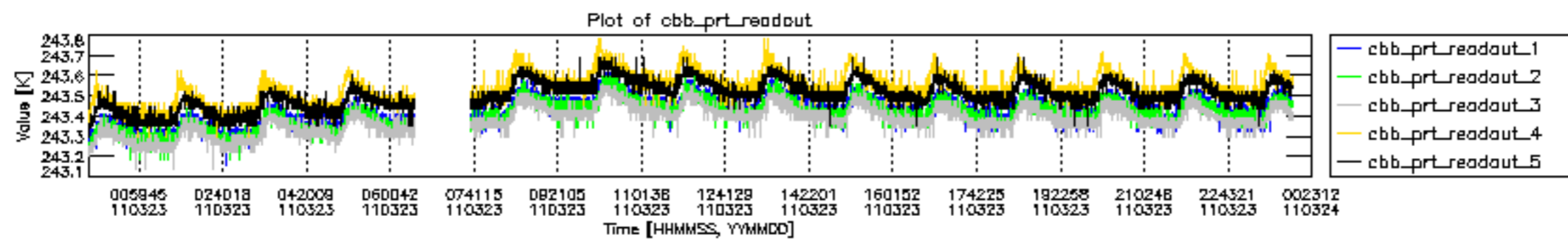


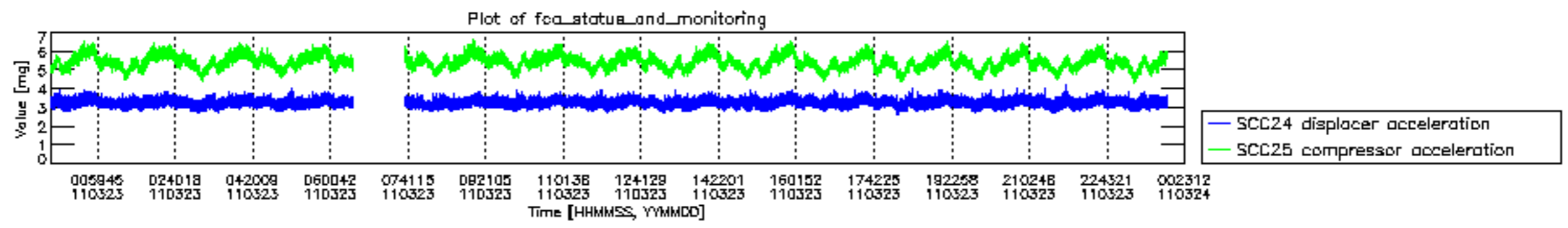












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

