

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	15MAY2011 05:23:58
Data source version	KSPT_L0/4504-N
Processing scope for products	10MAY2011 00:00:00 to 11MAY2011 00:00:00
Start time of first product within scope	10MAY2011 00:57:35
Stop time of last product within scope	11MAY2011 00:21:35
Total number of level 0 products	17
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__OPNPDE20110510_005735_000102723102_00203_48062_8728.N1	10MAY2011 00:57:35	10MAY2011 03:48:47	0	0	0	0	0
1	MIP_NL__OPNPDE20110510_011648_000014083102_00204_48063_8732.N1	10MAY2011 01:16:48	10MAY2011 01:40:16	0	0	0	0	0
2	MIP_NL__OPNPDE20110510_014019_000077083102_00204_48063_8733.N1	10MAY2011 01:40:19	10MAY2011 03:48:47	0	0	0	0	0
3	MIP_NL__OPNPDE20110510_034814_000061843102_00205_48064_8729.N1	10MAY2011 03:48:14	10MAY2011 05:31:17	0	0	0	0	0
4	MIP_NL__OPNPDE20110510_053044_000060443102_00206_48065_8730.N1	10MAY2011 05:30:44	10MAY2011 07:11:27	0	0	0	0	0
5	MIP_NL__OPNPDK20110510_071054_000040863102_00207_48066_5163.N1	10MAY2011 07:10:54	10MAY2011 08:19:00	0	0	0	0	0
6	MIP_NL__OPNPDK20110510_081827_000060843102_00208_48067_5164.N1	10MAY2011 08:18:27	10MAY2011 09:59:51	0	0	0	0	0
7	MIP_NL__OPNPDK20110510_095909_000059483102_00209_48068_5165.N1	10MAY2011 09:59:09	10MAY2011 11:38:17	0	0	0	0	0
8	MIP_NL__OPNPDK20110510_113731_000060273102_00210_48069_5166.N1	10MAY2011 11:37:31	10MAY2011 13:17:58	0	0	0	0	0
9	MIP_NL__OPNPDK20110510_131716_000059163102_00211_48070_5167.N1	10MAY2011 13:17:16	10MAY2011 14:55:52	0	0	0	0	0
10	MIP_NL__OPNPDK20110510_145510_000058143102_00212_48071_5177.N1	10MAY2011 14:55:10	10MAY2011 16:32:04	1	1	0	0	0
11	MIP_NL__OPNPDK20110510_153859_000031863102_00212_48071_5169.N1	10MAY2011 15:38:59	10MAY2011 16:32:04	0	0	0	0	0
12	MIP_NL__OPNPDK20110510_163102_000059833102_00213_48072_5170.N1	10MAY2011 16:31:02	10MAY2011 18:10:45	0	0	0	0	0
13	MIP_NL__OPNPDK20110510_180915_000059043102_00214_48073_5171.N1	10MAY2011 18:09:15	10MAY2011 19:47:38	0	0	0	0	0
14	MIP_NL__OPNPDE20110510_194548_000041553102_00215_48074_8734.N1	10MAY2011 19:45:48	10MAY2011 20:55:03	0	0	0	0	0
15	MIP_NL__OPNPDE20110510_205333_000063653102_00215_48074_8735.N1	10MAY2011 20:53:33	10MAY2011 22:39:38	0	0	0	0	0
16	MIP_NL__OPNPDE20110510_223741_000062343102_00216_48075_8736.N1	10MAY2011 22:37:41	11MAY2011 00:21:35	0	0	0	0	0

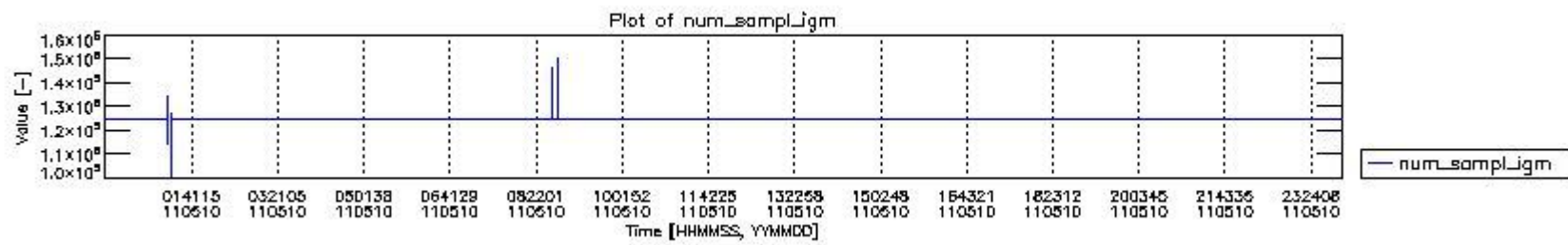
0.2 Instrument Operational Performance Parameters

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.

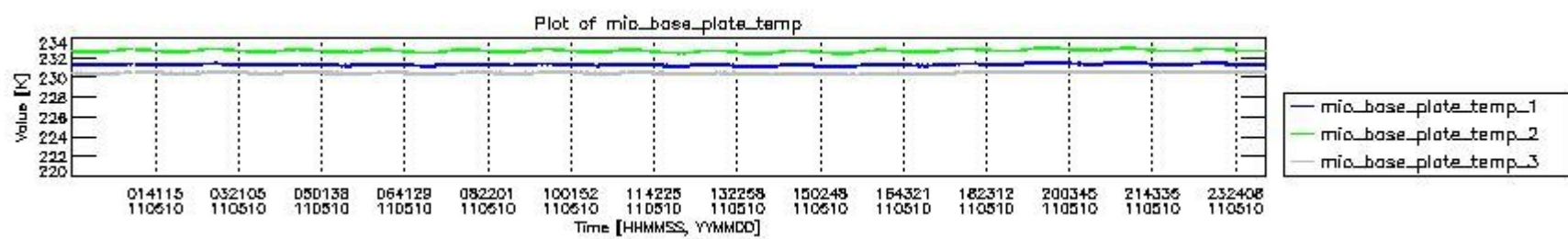
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100557	1	0.0023251488

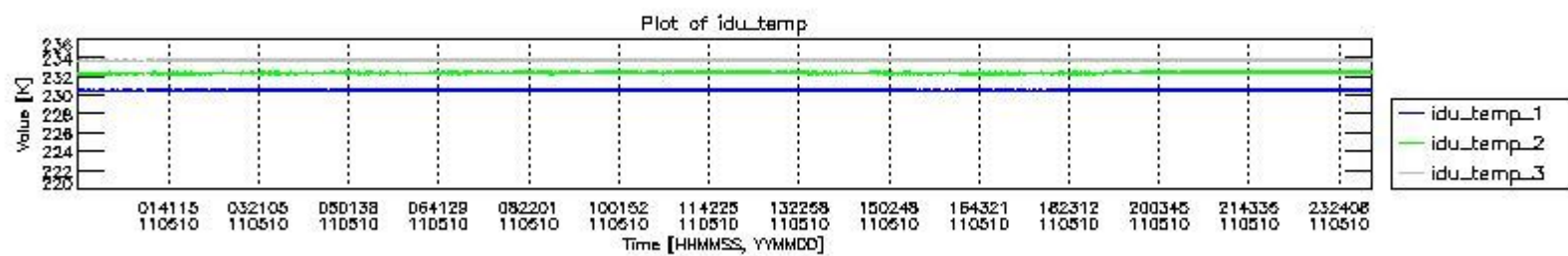
114224	1	0.0023251488
123780	1	0.0023251488
124800	39950	92.889695
124803	3046	7.0824033
125375	1	0.0023251488
125809	1	0.0023251488
126818	1	0.0023251488
127679	1	0.0023251488
134356	1	0.0023251488
145507	1	0.0023251488
146082	1	0.0023251488
147811	1	0.0023251488
150690	1	0.0023251488



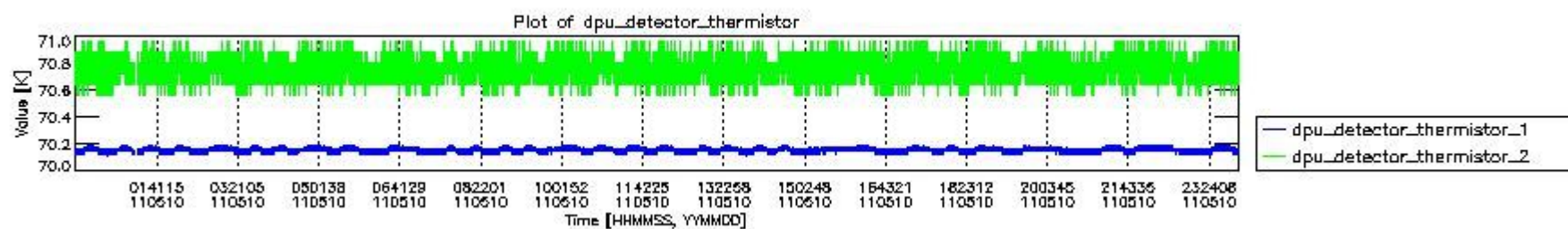
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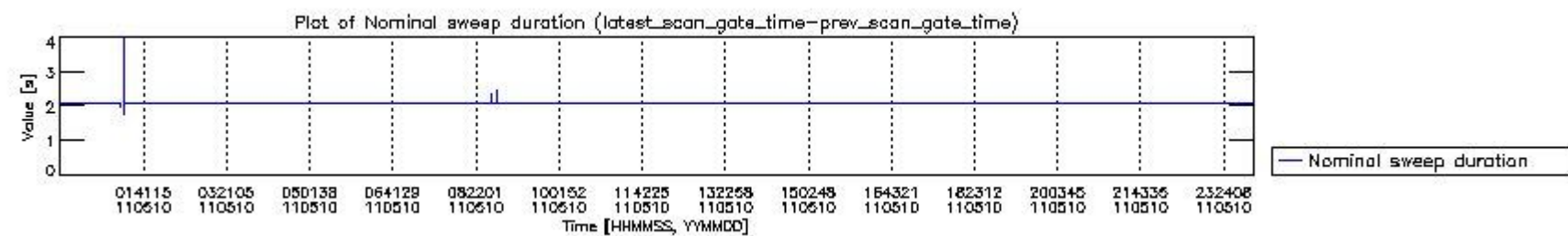
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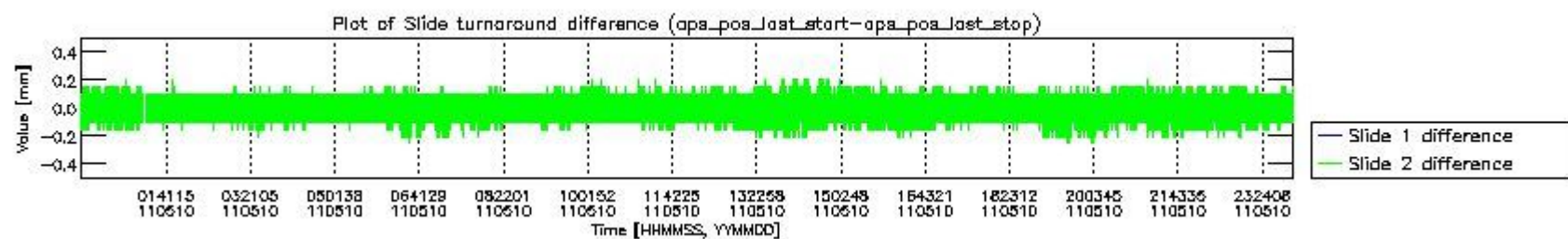
mipas_daily_report_level0_KSPT_L0_4504_N_20110510_2.PNG



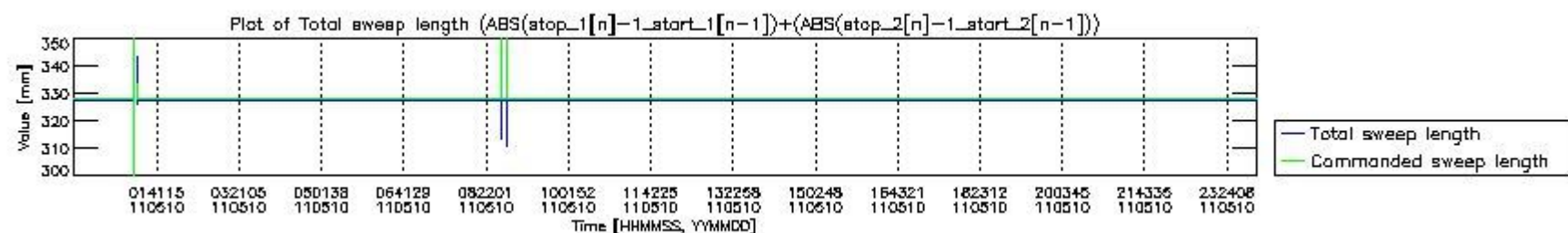
mipas_daily_report_level0_KSPT_L0_4504_N_20110510_3.PNG



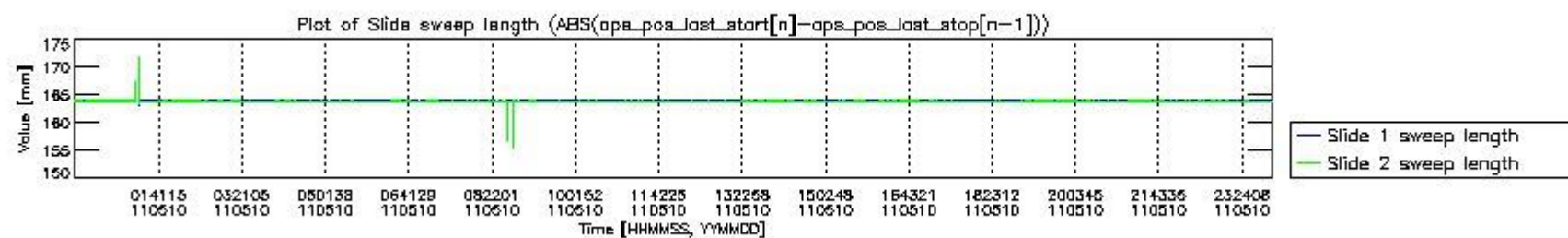
mipas_daily_report_level0_KSPT_L0_4504_N_20110510_4.PNG



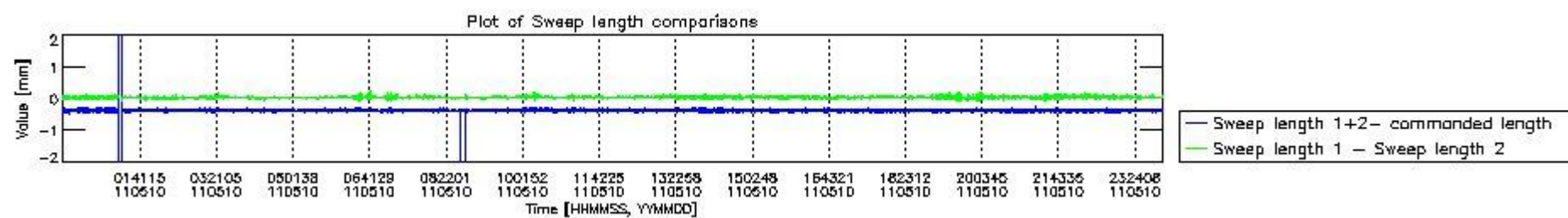
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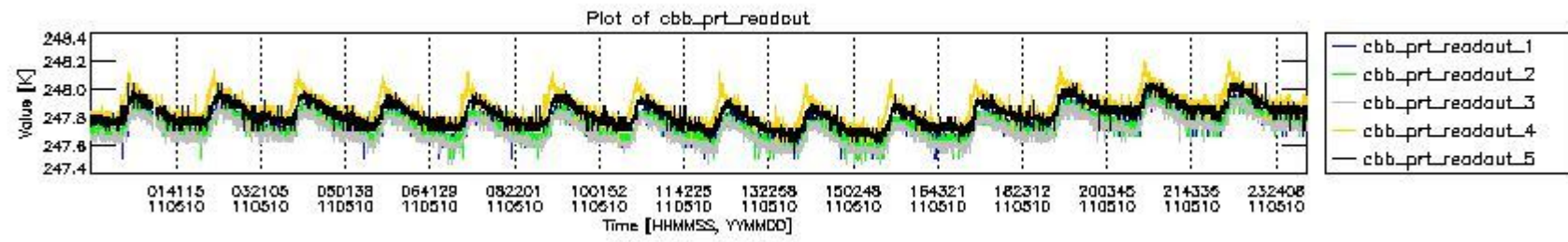
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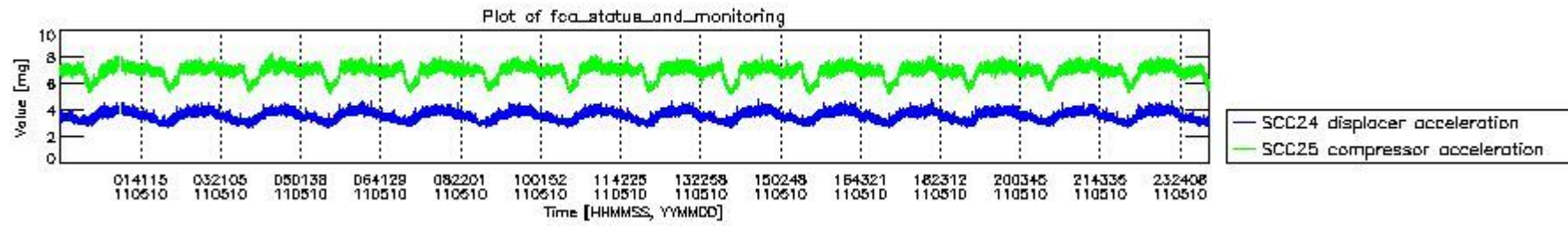
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mipas_daily_report_level0_KSPT_L0_4504_N_20110510_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110510_9.PNG

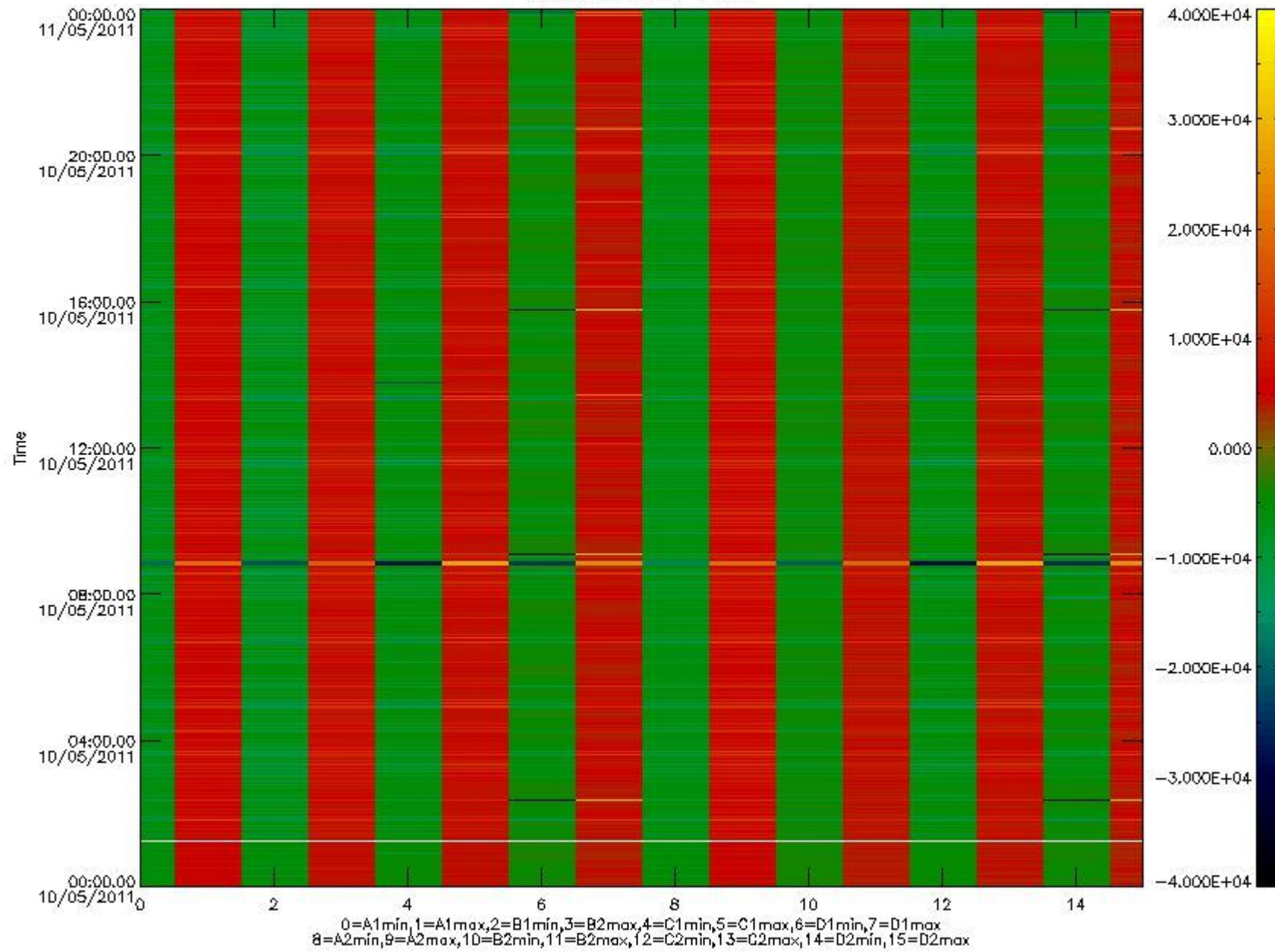


mipas_daily_report_level0_KSPT_L0_4504_N_20110510_10.PNG

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

Channel	Min	Max	ADC
A1	-19248	20702	16bit
B1	-22510	18963	16bit
C1	-27736	27756	16bit
D1	-32768	32767	16bit
A2	-16563	20862	16bit
B2	-20882	20089	16bit
C2	-28868	28540	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_20110510_11.PNG

0.3 ADF monitoring

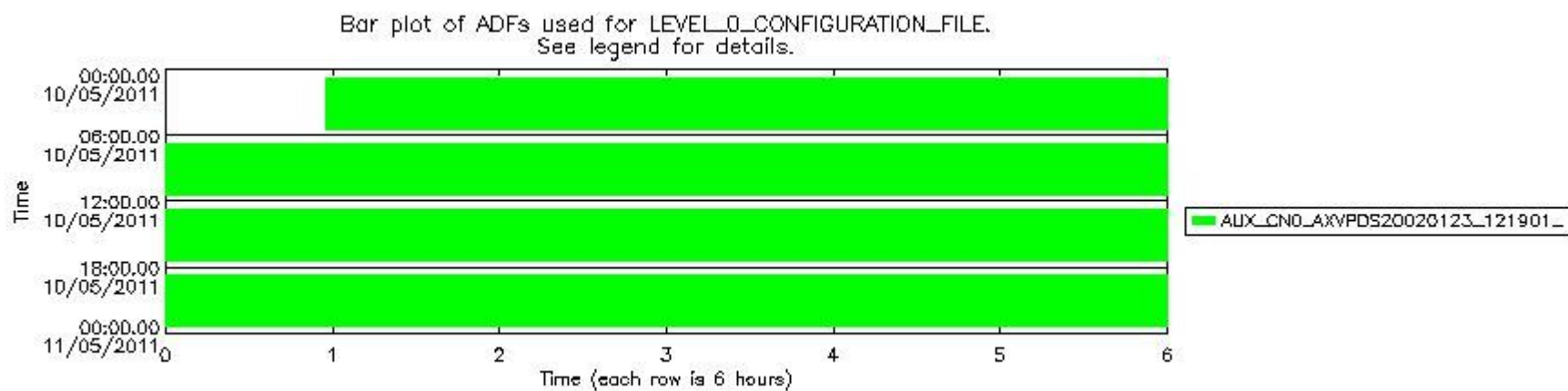
The use of ADFs is shown in two ways:

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.

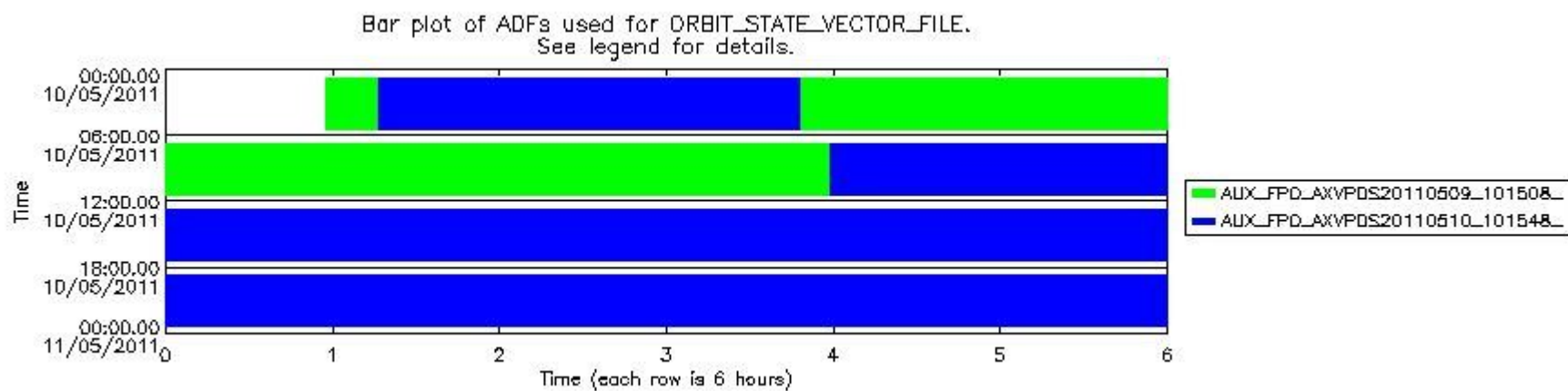
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110509_101508_20110508_190446_20110518_211835
2	AUX_FPO_AXVPDS20110510_101548_20110509_182802_20110519_204151

Number	Product name	#CN0	#FPO
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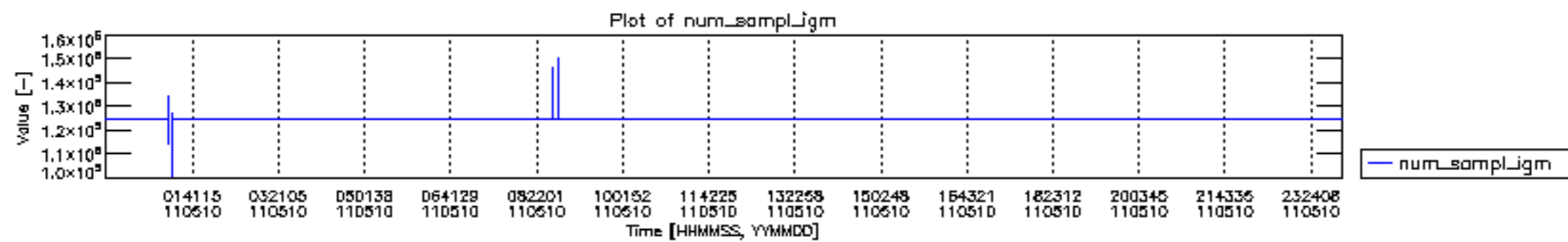
0	MIP_NL__0PNPDE20110510_005735_000102723102_00203_48062_8728.N1	0	1
1	MIP_NL__0PNPDE20110510_011648_000014083102_00204_48063_8732.N1	0	2
2	MIP_NL__0PNPDE20110510_014019_000077083102_00204_48063_8733.N1	0	2
3	MIP_NL__0PNPDE20110510_034814_000061843102_00205_48064_8729.N1	0	1
4	MIP_NL__0PNPDE20110510_053044_000060443102_00206_48065_8730.N1	0	1
5	MIP_NL__0PNPDK20110510_071054_000040863102_00207_48066_5163.N1	0	1
6	MIP_NL__0PNPDK20110510_081827_000060843102_00208_48067_5164.N1	0	1
7	MIP_NL__0PNPDK20110510_095909_000059483102_00209_48068_5165.N1	0	2
8	MIP_NL__0PNPDK20110510_113731_000060273102_00210_48069_5166.N1	0	2
9	MIP_NL__0PNPDK20110510_131716_000059163102_00211_48070_5167.N1	0	2
10	MIP_NL__0PNPDK20110510_145510_000058143102_00212_48071_5177.N1	0	2
11	MIP_NL__0PNPDK20110510_153859_000031863102_00212_48071_5169.N1	0	2
12	MIP_NL__0PNPDK20110510_163102_000059833102_00213_48072_5170.N1	0	2
13	MIP_NL__0PNPDK20110510_180915_000059043102_00214_48073_5171.N1	0	2
14	MIP_NL__0PNPDE20110510_194548_000041553102_00215_48074_8734.N1	0	2
15	MIP_NL__0PNPDE20110510_205333_000063653102_00215_48074_8735.N1	0	2
16	MIP_NL__0PNPDE20110510_223741_000062343102_00216_48075_8736.N1	0	2

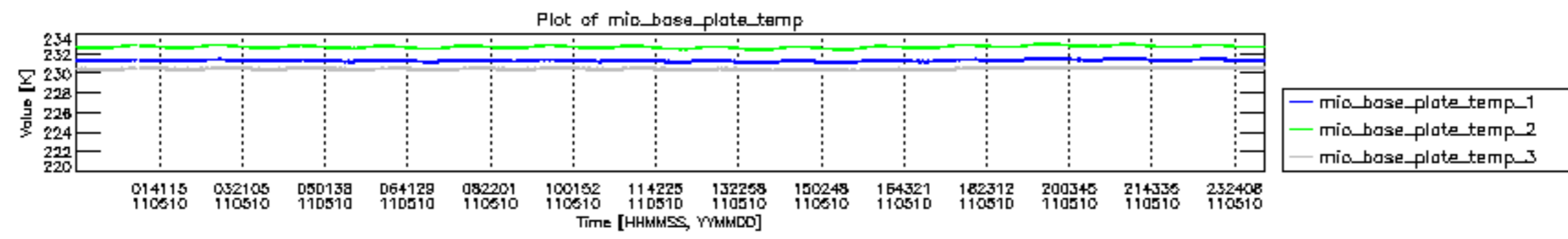


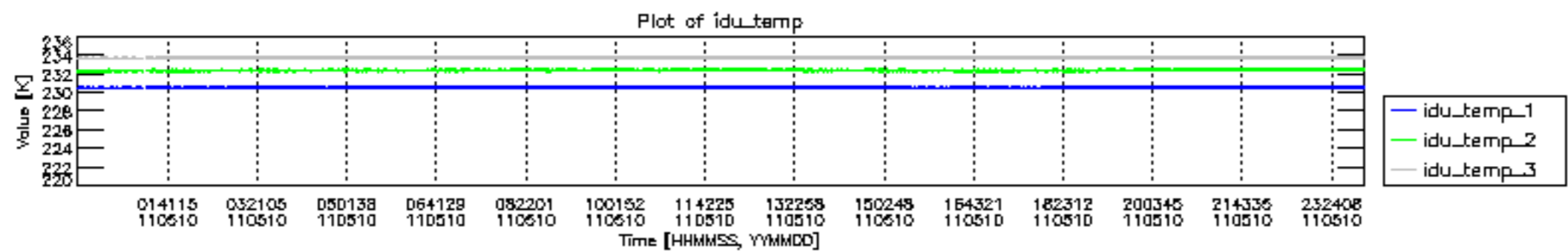
mipas_daily_report_level0_KSPT_L0_4504_N_20110510_12.PNG

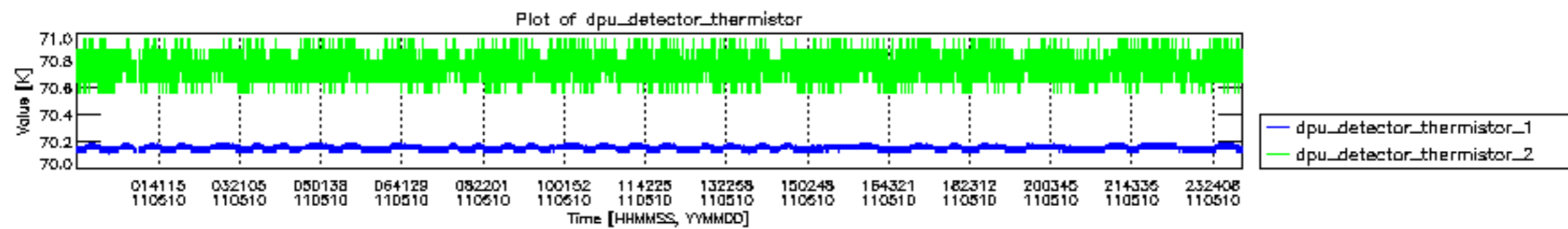


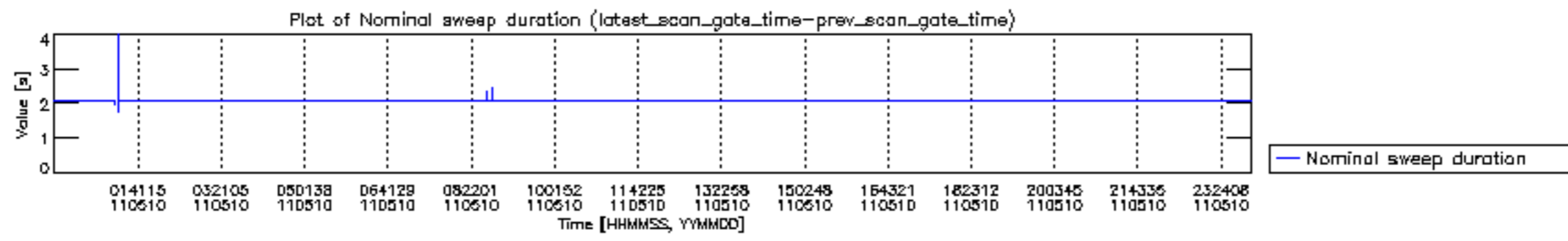
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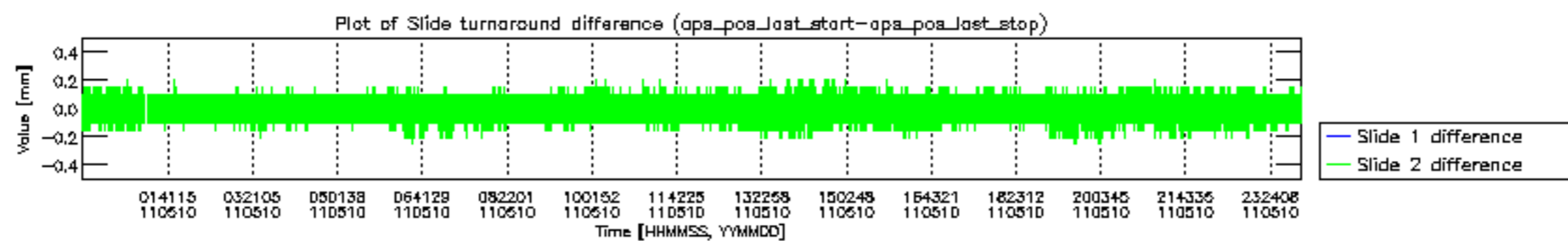


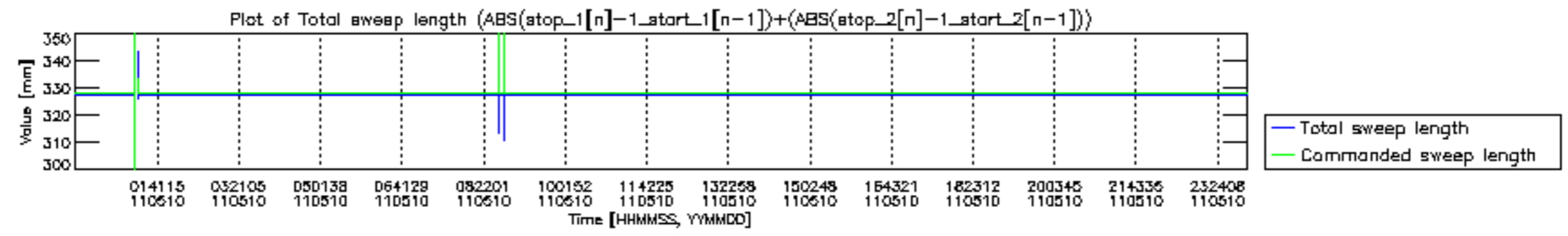


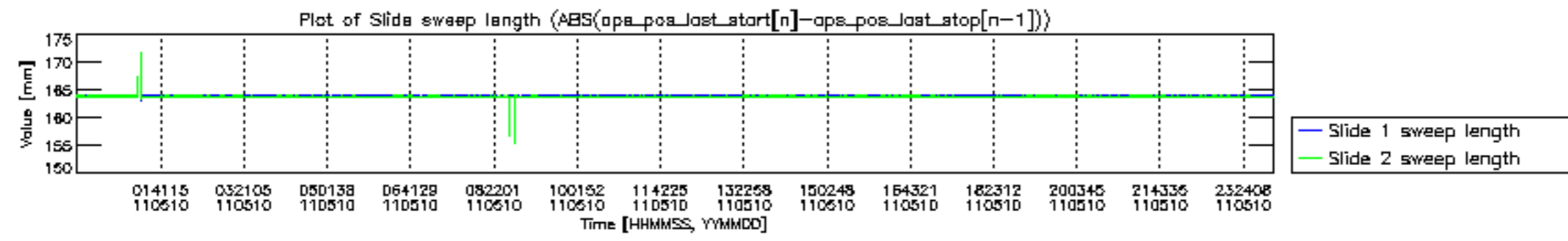


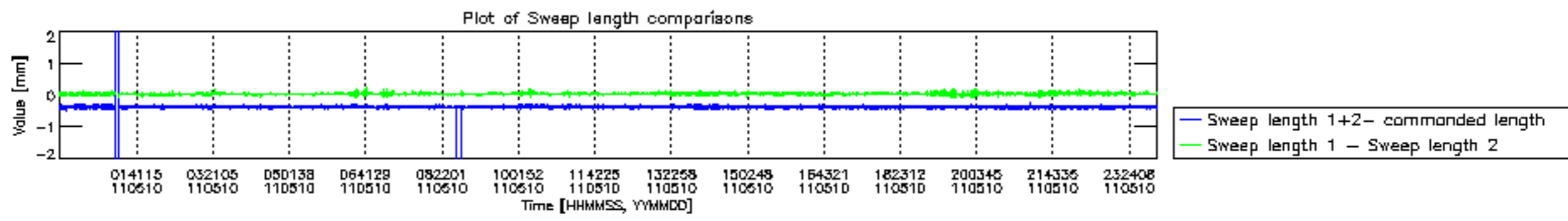


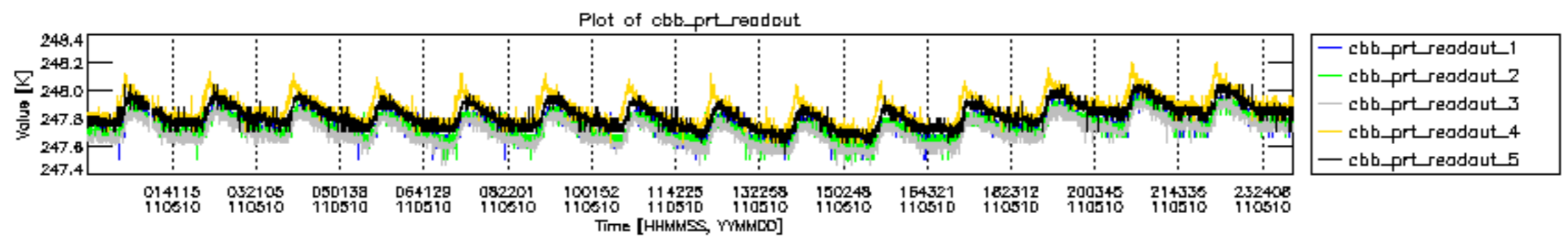


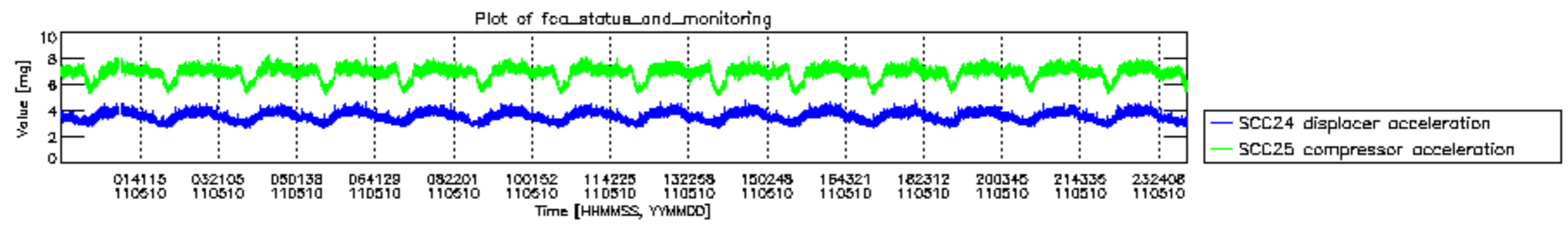












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

