

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	20MAY2011 05:20:28
Data source version	KSPT_L0/4504-N
Processing scope for products	15MAY2011 00:00:00 to 16MAY2011 00:00:00
Start time of first product within scope	15MAY2011 01:14:09
Stop time of last product within scope	16MAY2011 00:37:29
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__0PNPDE20110515_011409_000102833102_00275_48134_8763.N1	15MAY2011 01:14:09	15MAY2011 04:05:32	0	0	0	0	0
1	MIP_NL__0PNPDE20110515_015704_000077093102_00276_48135_8766.N1	15MAY2011 01:57:04	15MAY2011 04:05:32	0	0	0	0	0
2	MIP_NL__0PNPDE20110515_040459_000062133102_00277_48136_8764.N1	15MAY2011 04:04:59	15MAY2011 05:48:32	0	0	0	0	0
3	MIP_NL__0PNPDE20110515_054756_000060873102_00278_48137_8765.N1	15MAY2011 05:47:56	15MAY2011 07:29:23	0	0	0	0	0
4	MIP_NL__0PNPDK20110515_072848_000003133102_00279_48138_5210.N1	15MAY2011 07:28:48	15MAY2011 07:34:01	0	0	0	0	0
5	MIP_NL__0PNPDK20110515_073401_000036623102_00279_48138_5211.N1	15MAY2011 07:34:01	15MAY2011 08:35:03	0	0	0	0	0
6	MIP_NL__0PNPDK20110515_083430_000061113102_00280_48139_5212.N1	15MAY2011 08:34:30	15MAY2011 10:16:20	0	0	0	0	0
7	MIP_NL__0PNPDK20110515_101539_000060103102_00281_48140_5213.N1	15MAY2011 10:15:39	15MAY2011 11:55:49	0	0	0	0	0
8	MIP_NL__0PNPDK20110515_115505_000059453102_00282_48141_5214.N1	15MAY2011 11:55:05	15MAY2011 13:34:10	0	0	0	0	0
9	MIP_NL__0PNPDK20110515_133337_000058473102_00283_48142_5215.N1	15MAY2011 13:33:37	15MAY2011 15:11:04	0	0	0	0	0
10	MIP_NL__0PNPDK20110515_151023_000059273102_00284_48143_5216.N1	15MAY2011 15:10:23	15MAY2011 16:49:09	0	0	0	0	0
11	MIP_NL__0PNPDK20110515_164807_000058893102_00285_48144_5217.N1	15MAY2011 16:48:07	15MAY2011 18:26:16	1	1	0	0	0
12	MIP_NL__0PNPDK20110515_182521_000059833102_00286_48145_5218.N1	15MAY2011 18:25:21	15MAY2011 20:05:04	0	0	0	0	0
13	MIP_NL__0PNPDE20110515_200334_000040613102_00287_48146_8768.N1	15MAY2011 20:03:34	15MAY2011 21:11:16	0	0	0	0	0
14	MIP_NL__0PNPDE20110515_210929_000065333102_00287_48146_8769.N1	15MAY2011 21:09:29	15MAY2011 22:58:22	0	0	0	0	0
15	MIP_NL__0PNPDE20110515_225719_000060103102_00288_48147_8770.N1	15MAY2011 22:57:19	16MAY2011 00:37:29	0	0	0	0	0

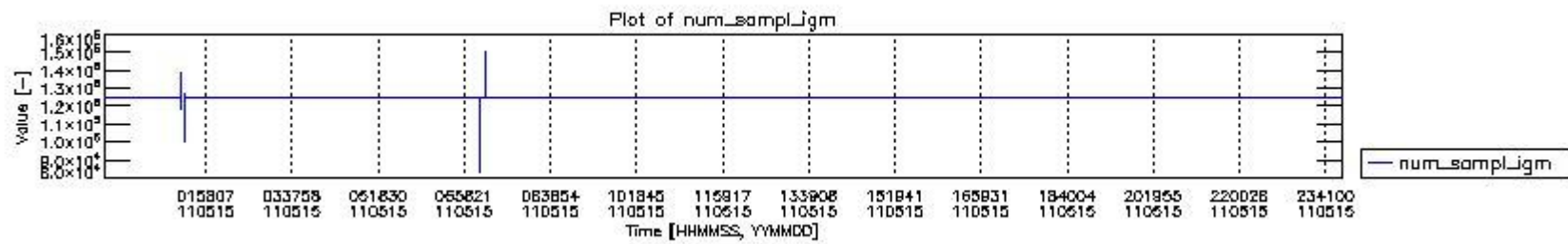
0.2 Instrument Operational Performance Parameters

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.

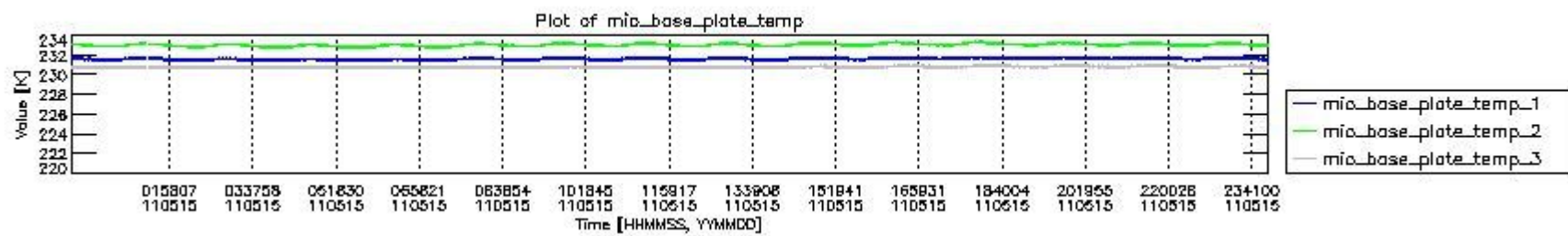
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
83486	1	0.0024104517
94077	1	0.0024104517

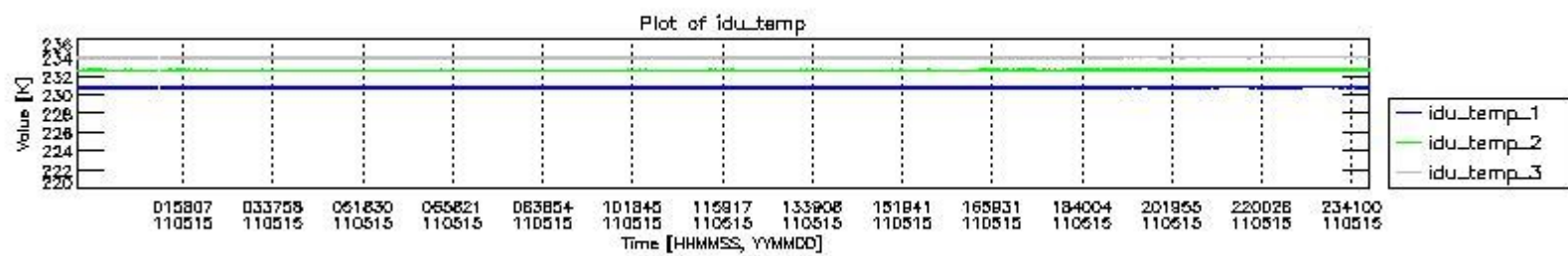
100483	1	0.0024104517
114209	1	0.0024104517
118907	1	0.0024104517
124800	38569	92.968712
124803	2905	7.0023622
125735	1	0.0024104517
126670	1	0.0024104517
127605	1	0.0024104517
133146	1	0.0024104517
139039	1	0.0024104517
147737	1	0.0024104517
150542	1	0.0024104517



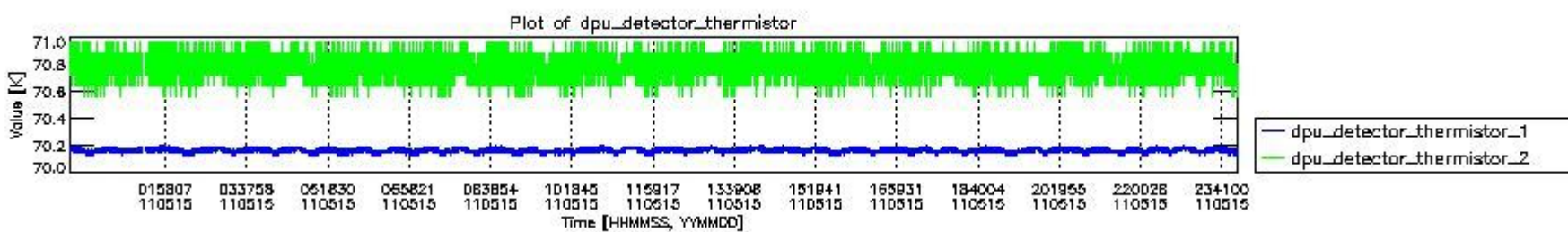
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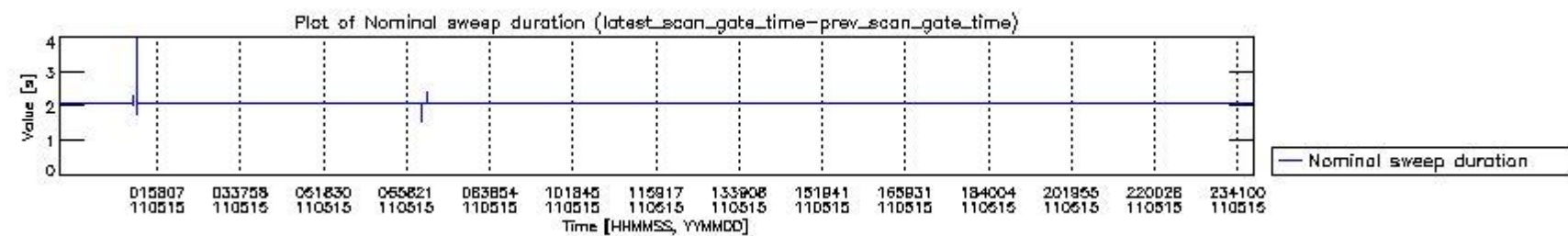
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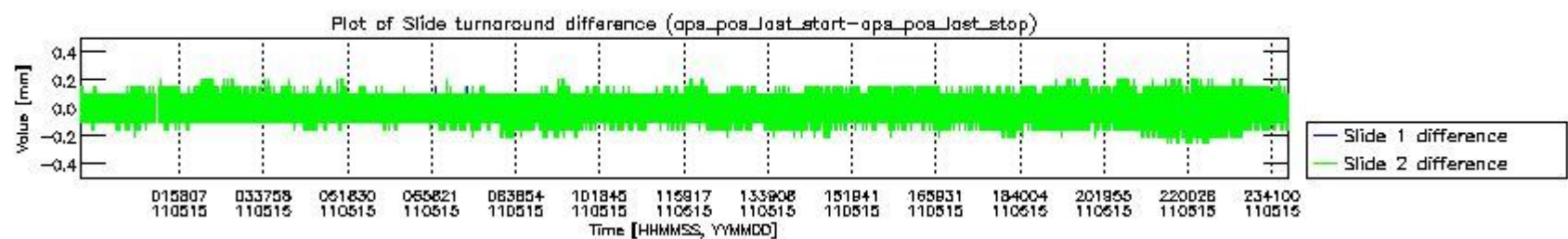
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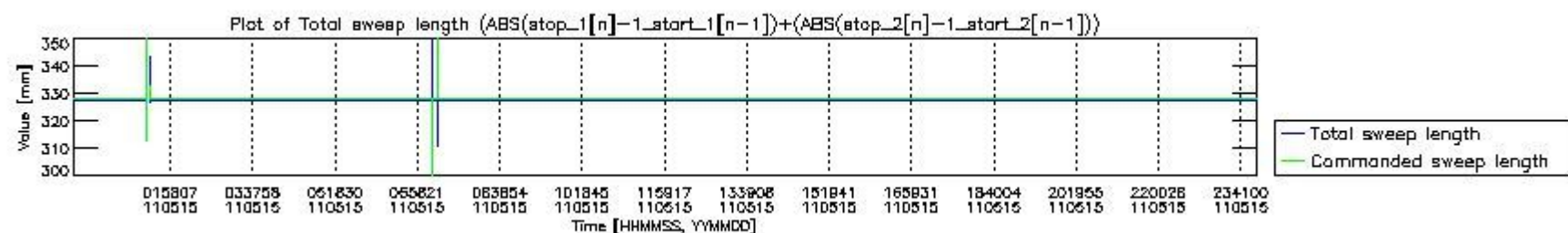
mipas_daily_report_level0_KSPT_L0_4504_N_20110515_3.PNG



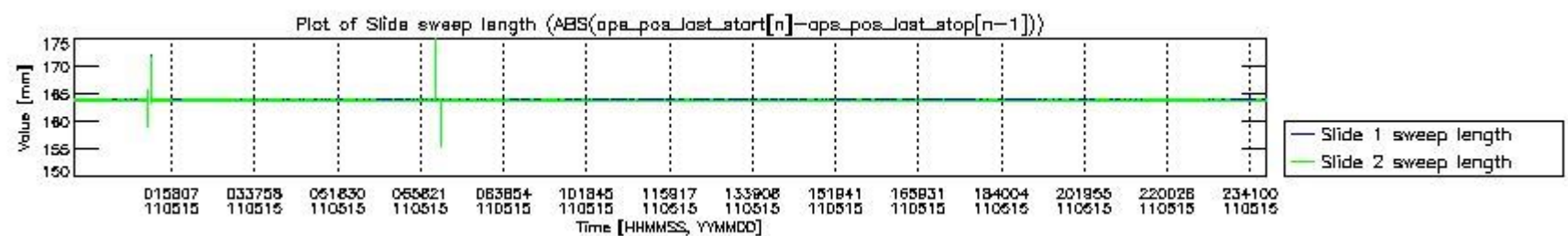
mipas_daily_report_level0_KSPT_L0_4504_N_20110515_4.PNG



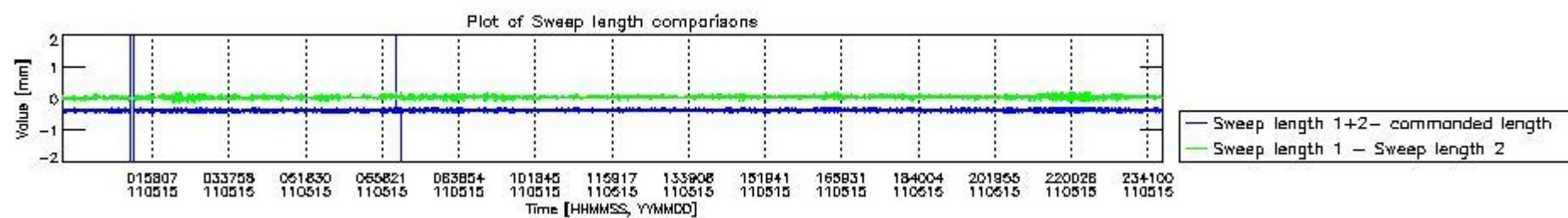
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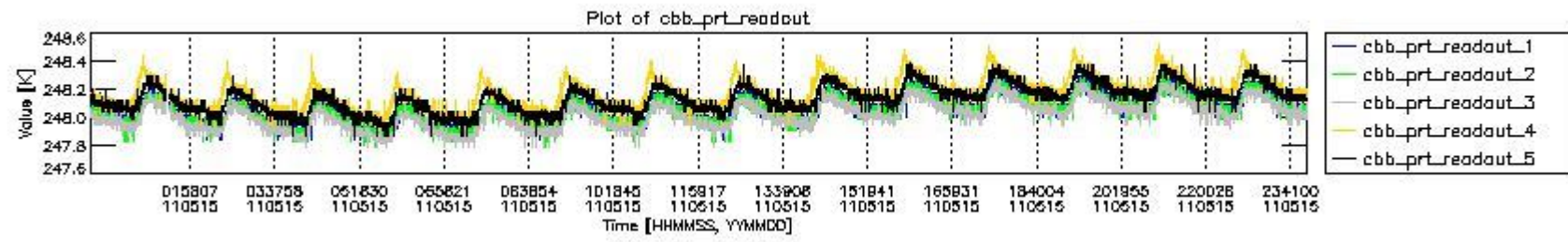
mipas_daily_report_level0_KSPT_L0_4504_N_20110515_6.PNG



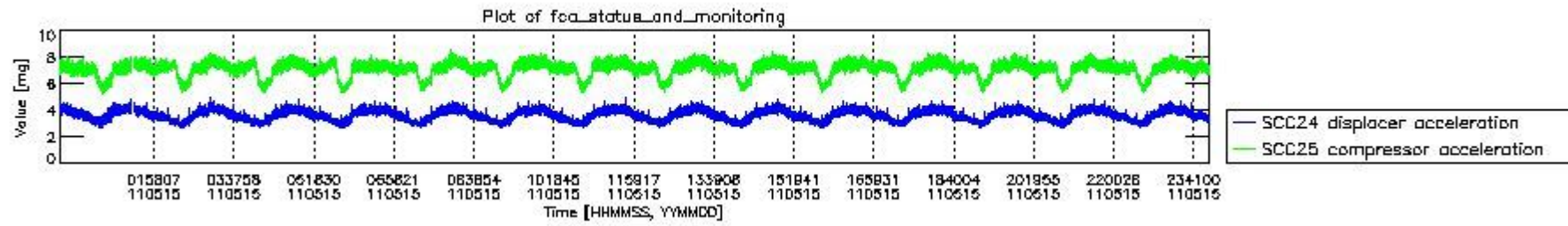
mipas_daily_report_level0_KSPT_L0_4504_N_20110515_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110515_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110515_9.PNG

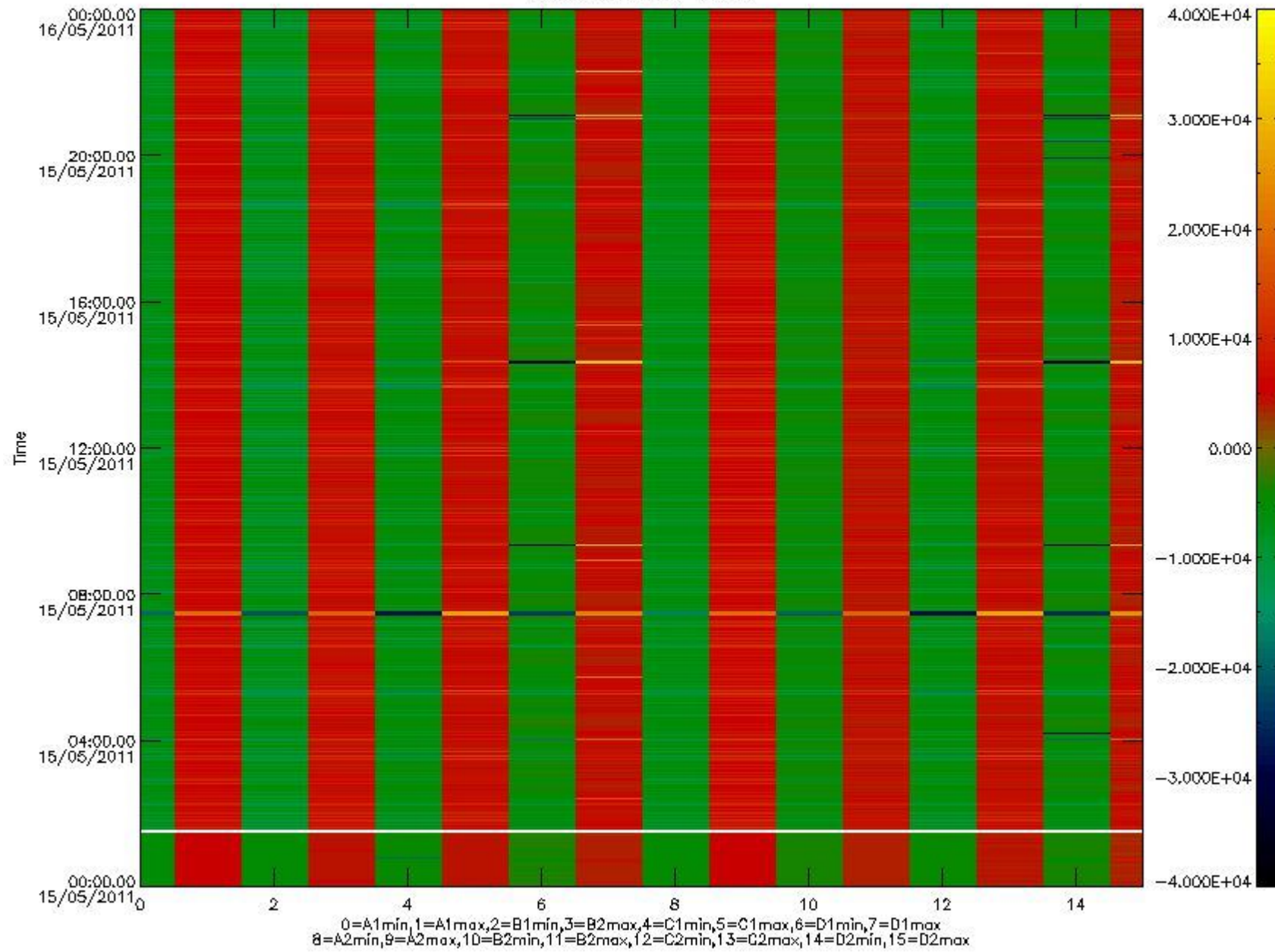


mipas_daily_report_level0_KSPT_L0_4504_N_20110515_10.PNG

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

Channel	Min	Max	ADC
A1	-19264	20745	16bit
B1	-22622	19057	16bit
C1	-28043	27977	16bit
D1	-32768	32767	16bit
A2	-16587	20903	16bit
B2	-21009	20200	16bit
C2	-29118	28788	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_20110515_11.PNG

0.3 ADF monitoring

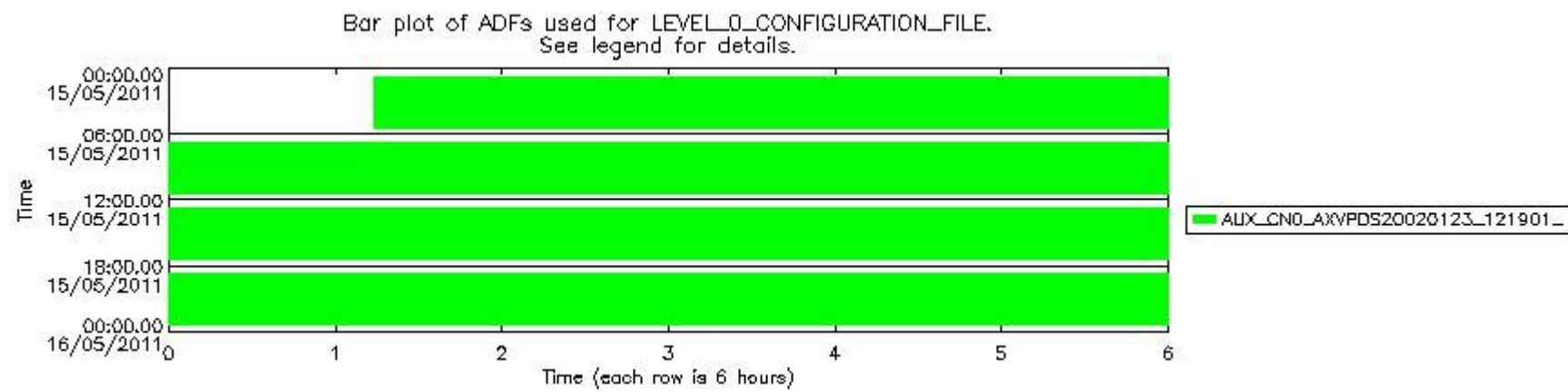
The use of ADFs is shown in two ways:

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.

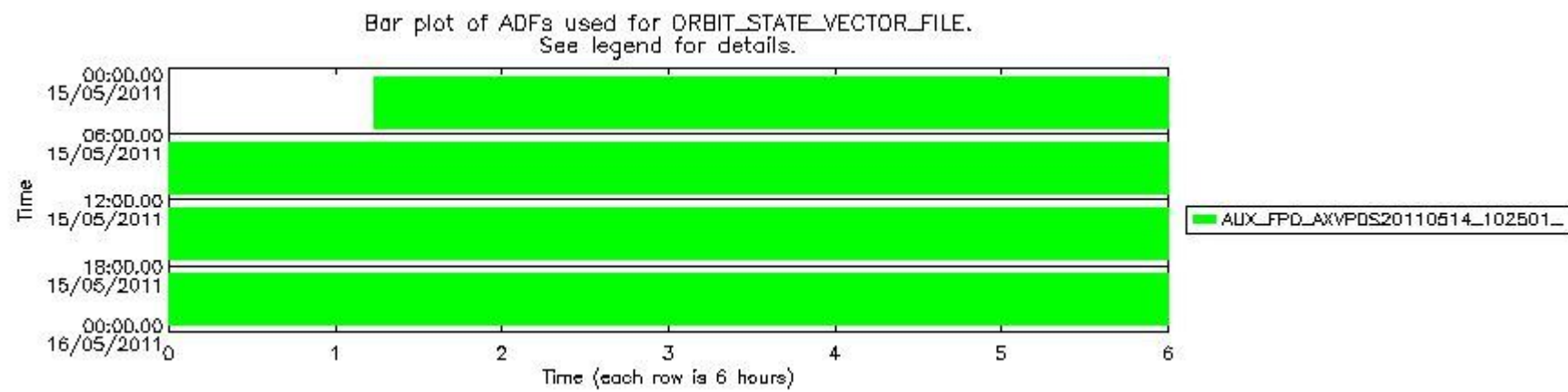
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110514_102501_20110513_192134_20110523_213522

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110515_011409_000102833102_00275_48134_8763.N1	0	1

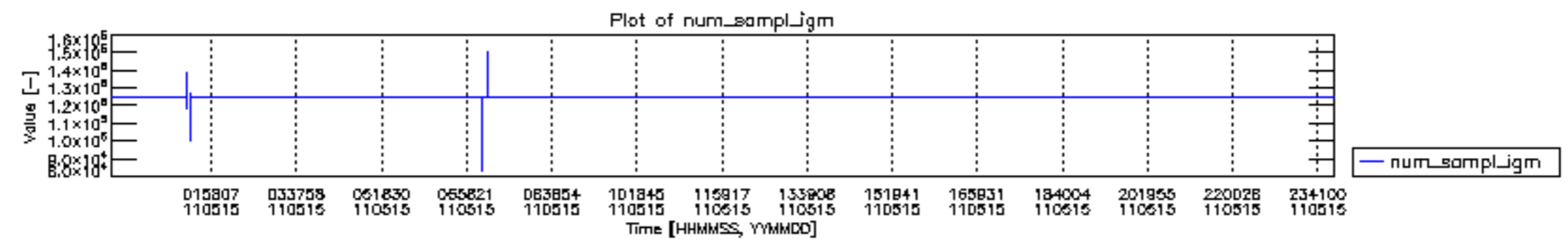
1	MIP_NL__0PNPDE20110515_015704_000077093102_00276_48135_8766.N1	0	1
2	MIP_NL__0PNPDE20110515_040459_000062133102_00277_48136_8764.N1	0	1
3	MIP_NL__0PNPDE20110515_054756_000060873102_00278_48137_8765.N1	0	1
4	MIP_NL__0PNPDK20110515_072848_000003133102_00279_48138_5210.N1	0	1
5	MIP_NL__0PNPDK20110515_073401_000036623102_00279_48138_5211.N1	0	1
6	MIP_NL__0PNPDK20110515_083430_000061113102_00280_48139_5212.N1	0	1
7	MIP_NL__0PNPDK20110515_101539_000060103102_00281_48140_5213.N1	0	1
8	MIP_NL__0PNPDK20110515_115505_000059453102_00282_48141_5214.N1	0	1
9	MIP_NL__0PNPDK20110515_133337_000058473102_00283_48142_5215.N1	0	1
10	MIP_NL__0PNPDK20110515_151023_000059273102_00284_48143_5216.N1	0	1
11	MIP_NL__0PNPDK20110515_164807_000058893102_00285_48144_5217.N1	0	1
12	MIP_NL__0PNPDK20110515_182521_000059833102_00286_48145_5218.N1	0	1
13	MIP_NL__0PNPDE20110515_200334_000040613102_00287_48146_8768.N1	0	1
14	MIP_NL__0PNPDE20110515_210929_000065333102_00287_48146_8769.N1	0	1
15	MIP_NL__0PNPDE20110515_225719_000060103102_00288_48147_8770.N1	0	1

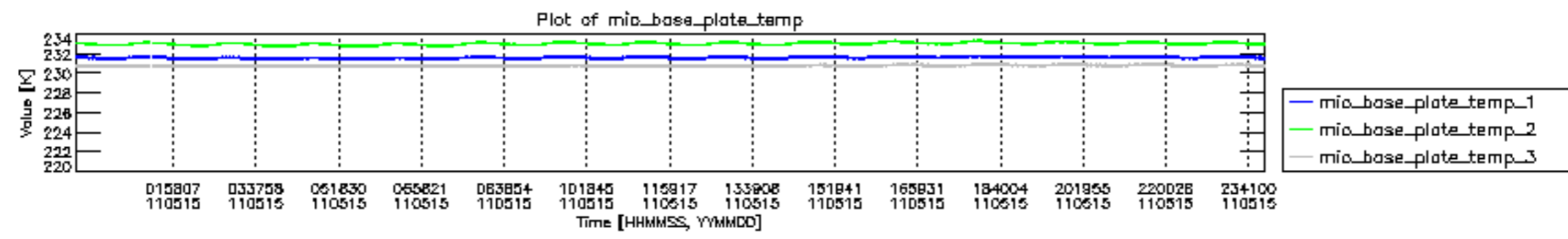


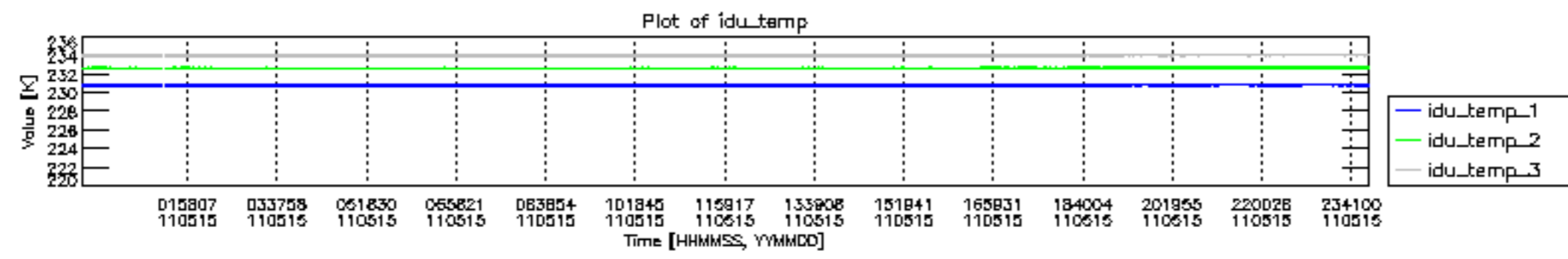
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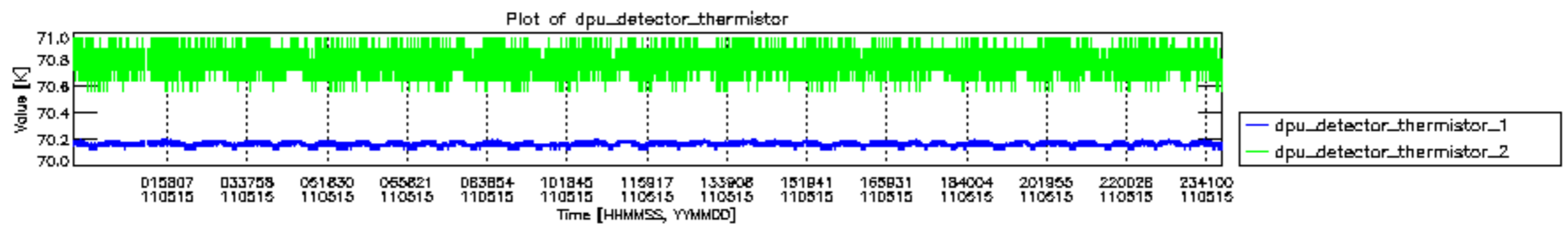


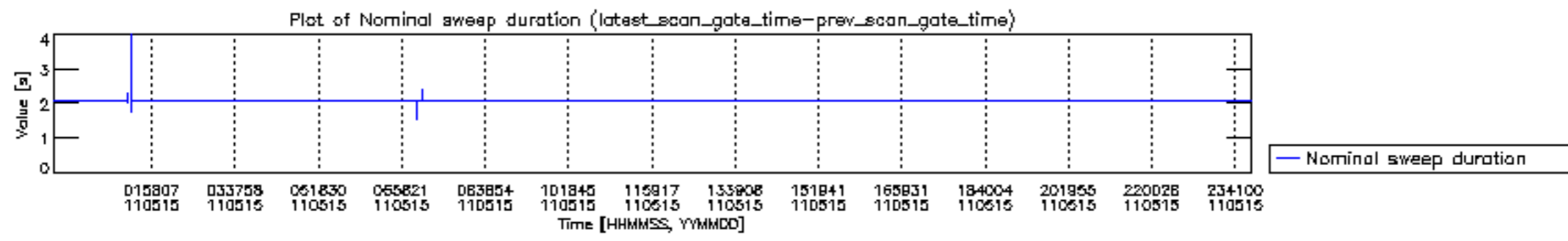
mipas_daily_report_level0_KSPT_L0_4504_N_20110515_13.PNG

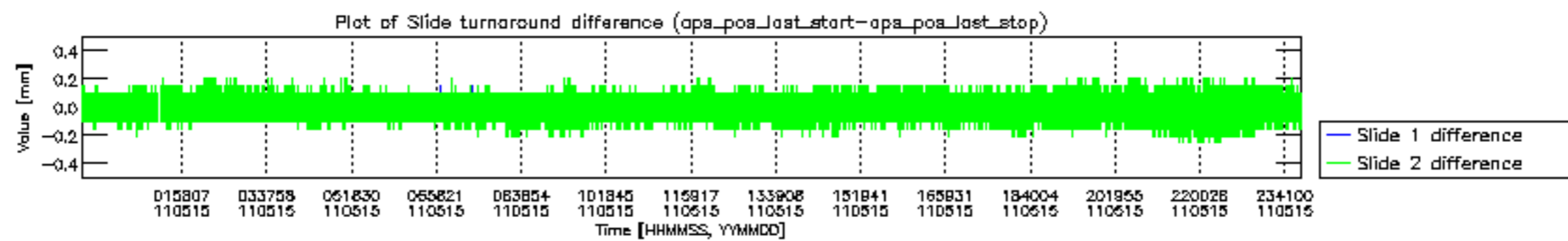


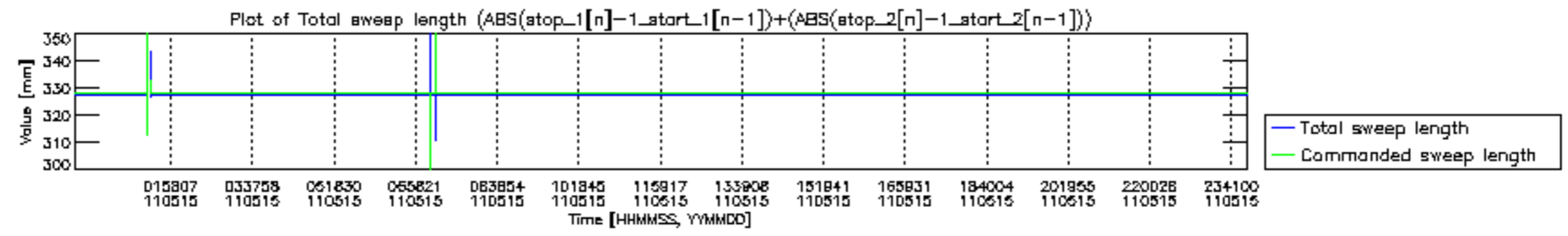


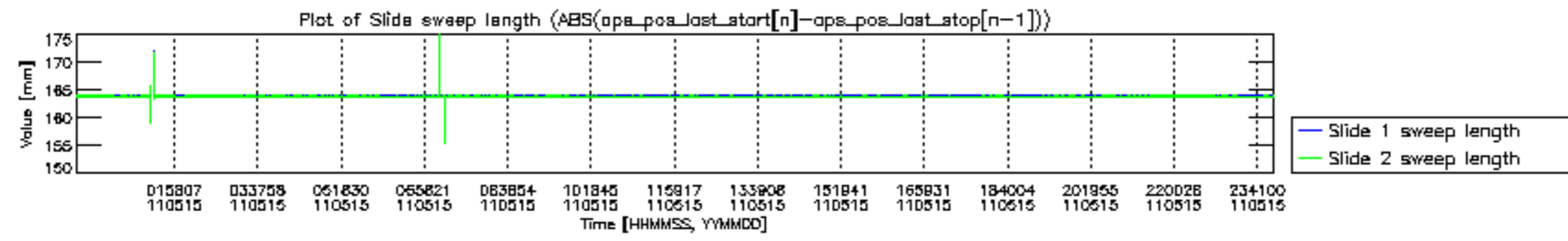


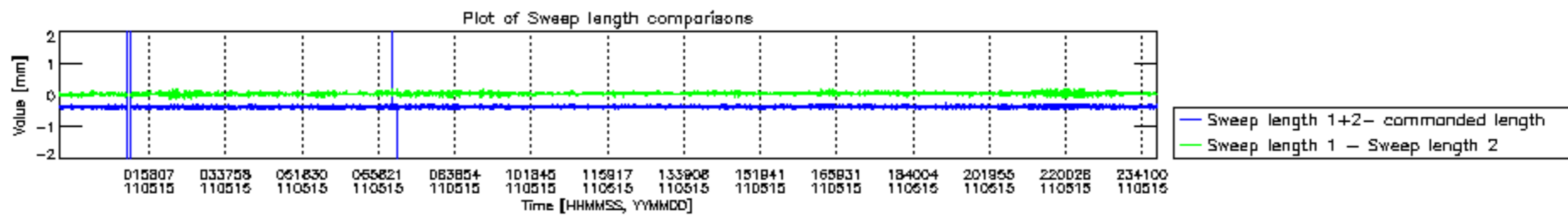


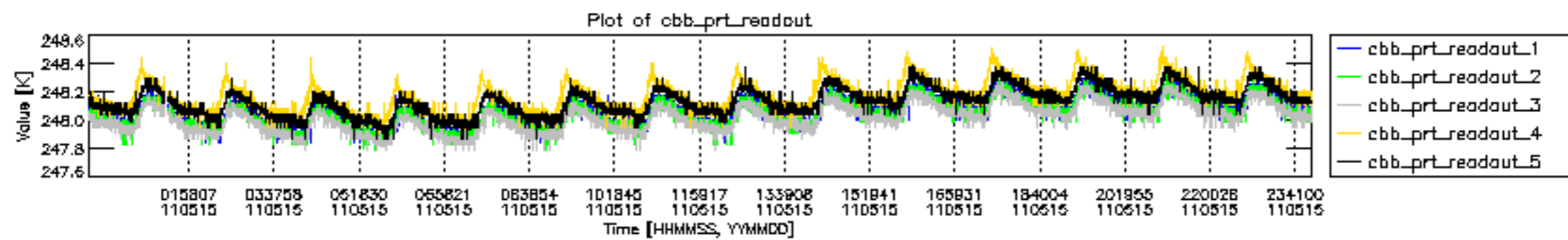


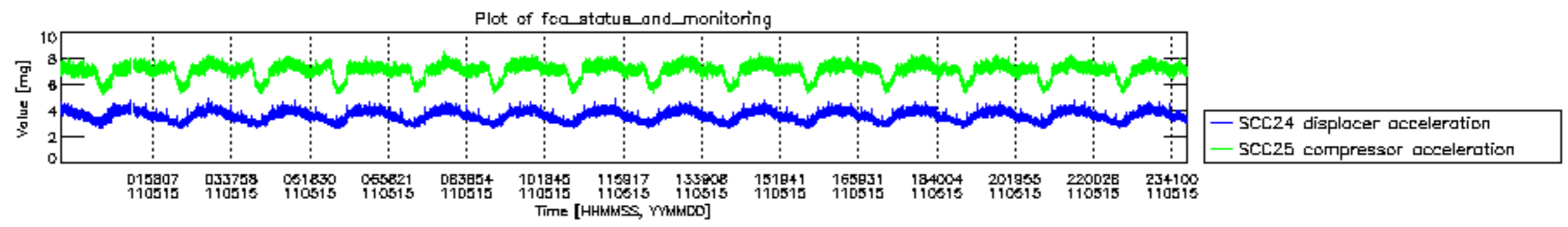












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

