

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	18AUG2011 05:24:33
Data source version	KSPT_L0/4504-N
Processing scope for products	13AUG2011 00:00:00 to 14AUG2011 00:00:00
Start time of first product within scope	13AUG2011 01:14:49
Stop time of last product within scope	14AUG2011 00:39:49
Total number of level 0 products	16
Number of level 0 products with errors	2

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__0PNPDE20110813_011449_000102833105_00275_49427_9427.N1	13AUG2011 01:14:49	13AUG2011 04:06:12	1	0	1	0	0
1	MIP_NL__0PNPDE20110813_013453_000014083105_00276_49428_9430.N1	13AUG2011 01:34:53	13AUG2011 01:58:21	0	0	0	0	0
2	MIP_NL__0PNPDE20110813_015823_000076693105_00276_49428_9431.N1	13AUG2011 01:58:23	13AUG2011 04:06:12	1	0	1	0	0
3	MIP_NL__0PNPDE20110813_040538_000061773105_00277_49429_9428.N1	13AUG2011 04:05:38	13AUG2011 05:48:36	0	0	0	0	0
4	MIP_NL__0PNPDE20110813_054802_000061403105_00278_49430_9432.N1	13AUG2011 05:48:02	13AUG2011 07:30:22	0	0	0	0	0
5	MIP_NL__0PNPDK20110813_072945_000039963105_00279_49431_6038.N1	13AUG2011 07:29:45	13AUG2011 08:36:21	0	0	0	0	0
6	MIP_NL__0PNPDK20110813_083539_000061463105_00280_49432_6039.N1	13AUG2011 08:35:39	13AUG2011 10:18:05	0	0	0	0	0
7	MIP_NL__0PNPDK20110813_101732_000058933105_00281_49433_6040.N1	13AUG2011 10:17:32	13AUG2011 11:55:45	0	0	0	0	0
8	MIP_NL__0PNPDK20110813_115503_000060253105_00282_49434_6041.N1	13AUG2011 11:55:03	13AUG2011 13:35:28	0	0	0	0	0
9	MIP_NL__0PNPDK20110813_133455_000058683105_00283_49435_6042.N1	13AUG2011 13:34:55	13AUG2011 15:12:43	0	0	0	0	0
10	MIP_NL__0PNPDK20110813_151159_000059433105_00284_49436_6043.N1	13AUG2011 15:11:59	13AUG2011 16:51:02	0	0	0	0	0
11	MIP_NL__0PNPDK20110813_165006_000059013105_00285_49437_6044.N1	13AUG2011 16:50:06	13AUG2011 18:28:27	0	0	0	0	0
12	MIP_NL__0PNPDK20110813_182729_000059163105_00286_49438_6045.N1	13AUG2011 18:27:29	13AUG2011 20:06:05	0	0	0	0	0
13	MIP_NL__0PNPDE20110813_200422_000040533105_00287_49439_9433.N1	13AUG2011 20:04:22	13AUG2011 21:11:55	0	0	0	0	0
14	MIP_NL__0PNPDE20110813_211013_000065203105_00287_49439_9434.N1	13AUG2011 21:10:13	13AUG2011 22:58:53	0	0	0	0	0
15	MIP_NL__0PNPDE20110813_225756_000061123105_00288_49440_9435.N1	13AUG2011 22:57:56	14AUG2011 00:39:49	0	0	0	0	0

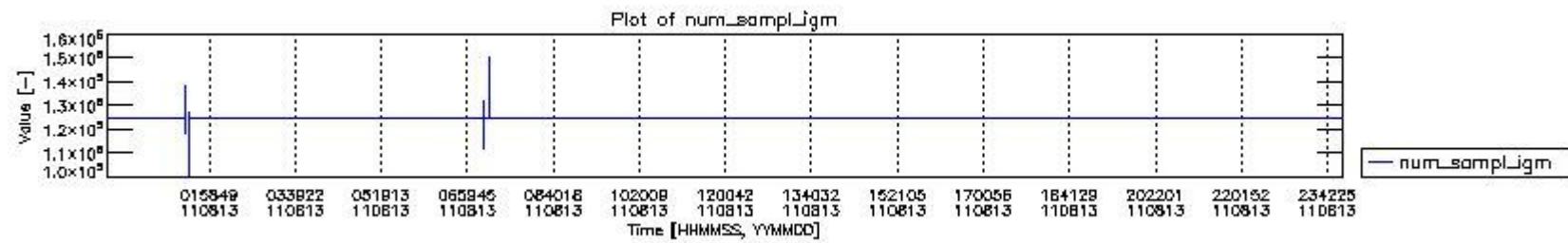
0.2 Instrument Operational Performance Parameters

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.

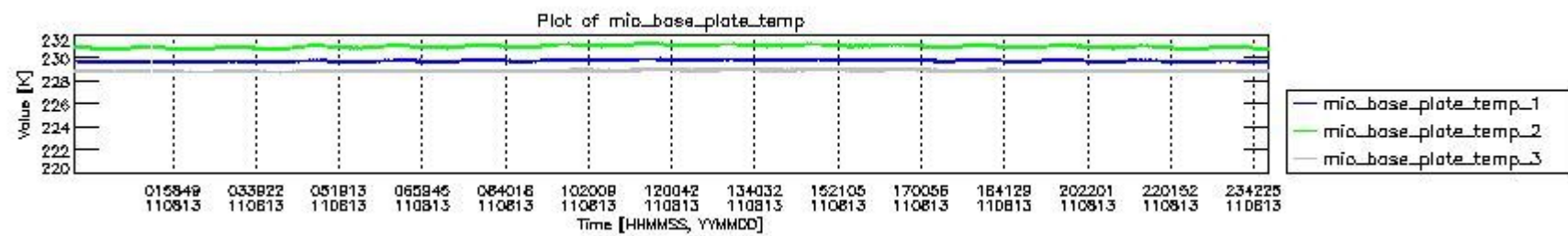
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100557	1	0.0024128363
111770	1	0.0024128363

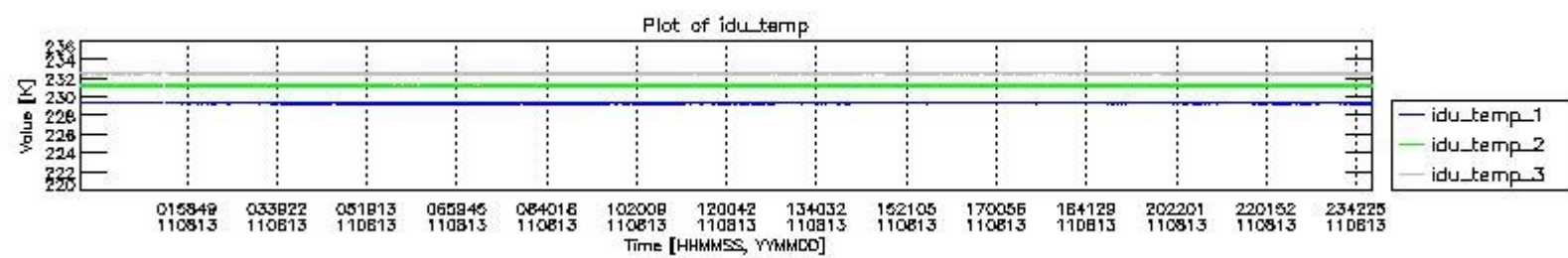
118312	1	0.0024128363
118872	1	0.0024128363
124800	38527	92.959344
124803	2906	7.0117023
125809	1	0.0024128363
126818	1	0.0024128363
127605	1	0.0024128363
131902	1	0.0024128363
131956	1	0.0024128363
138444	1	0.0024128363
147737	1	0.0024128363
150542	1	0.0024128363



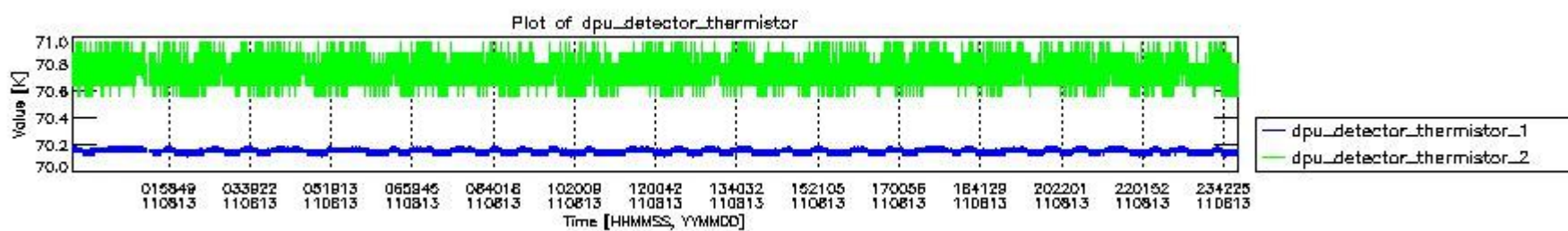
mipas_daily_report_level0_KSPT_L0_4504_N_20110813_0.PNG



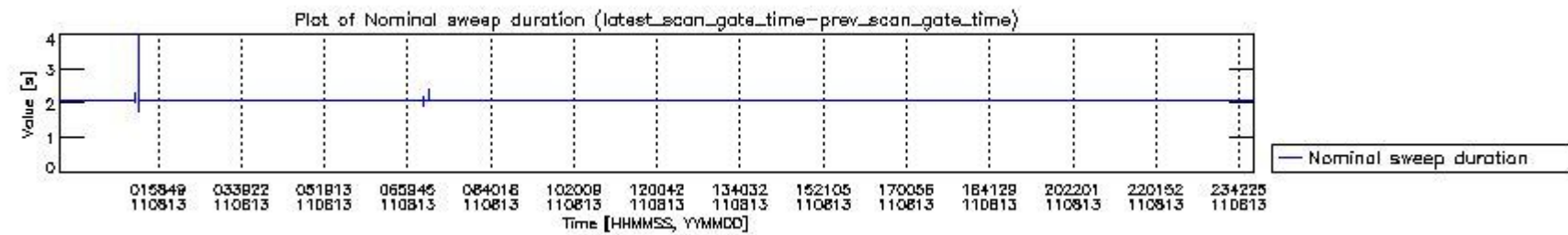
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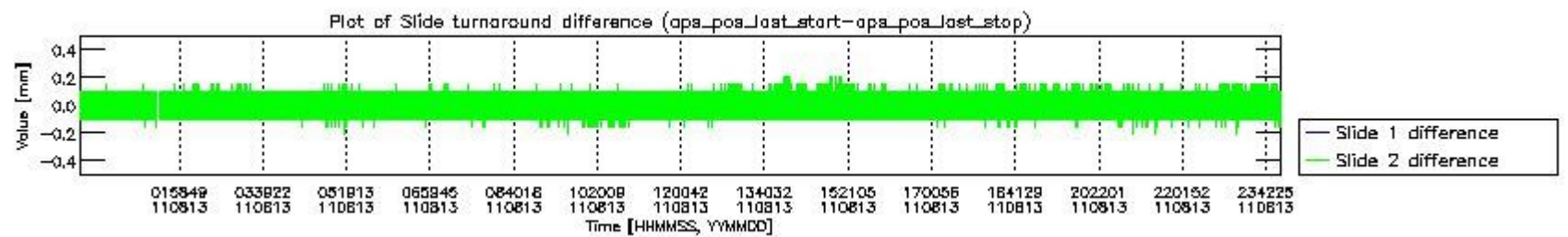
mipas_daily_report_level0_KSPT_L0_4504_N_20110813_2.PNG



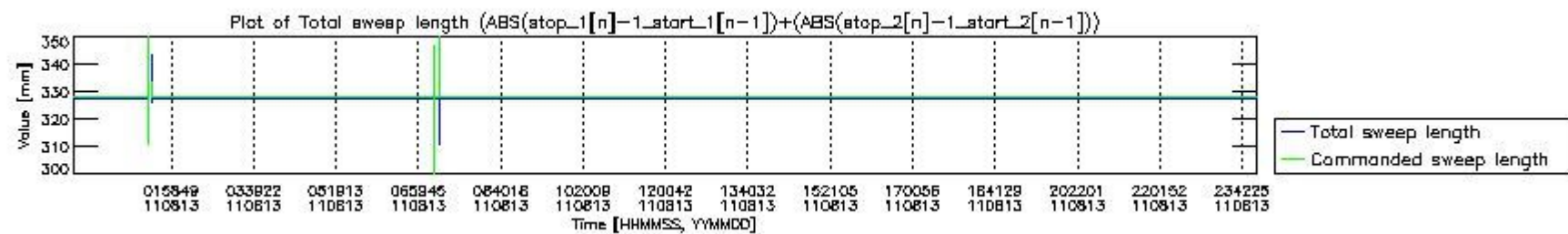
mipas_daily_report_level0_KSPT_L0_4504_N_20110813_3.PNG



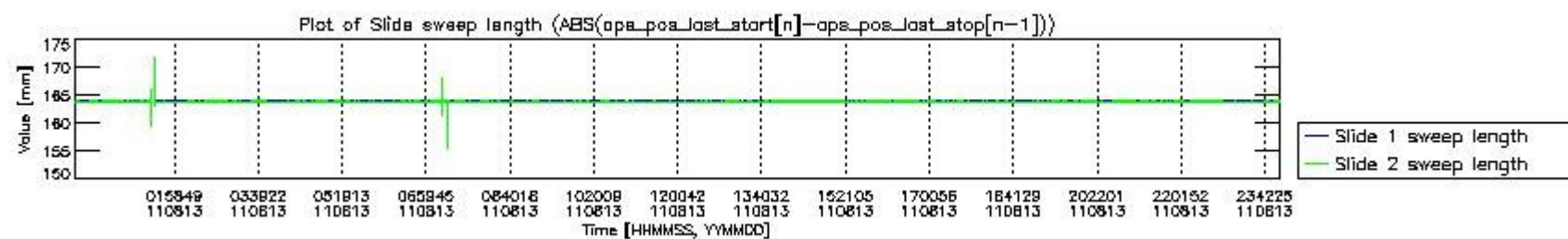
mipas_daily_report_level0_KSPT_L0_4504_N_20110813_4.PNG



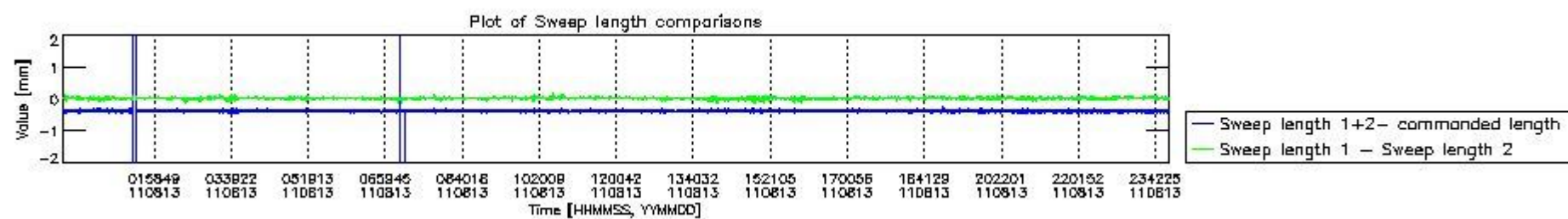
mipas_daily_report_level0_KSPT_L0_4504_N_20110813_5.PNG



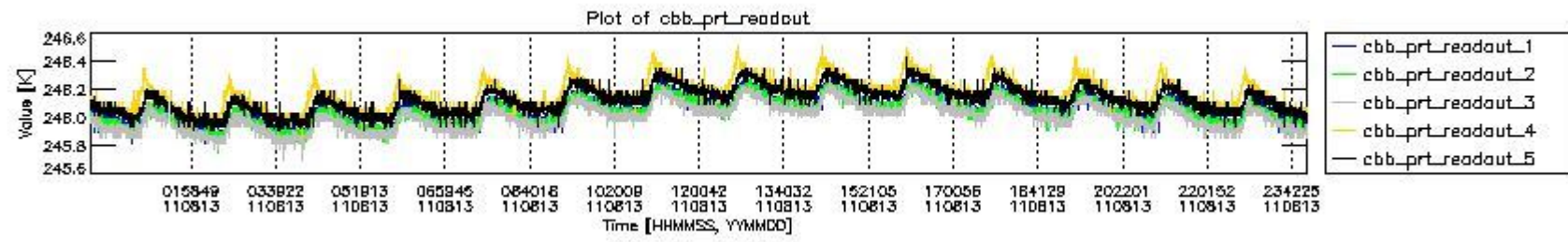
mipas_daily_report_level0_KSPT_L0_4504_N_20110813_6.PNG



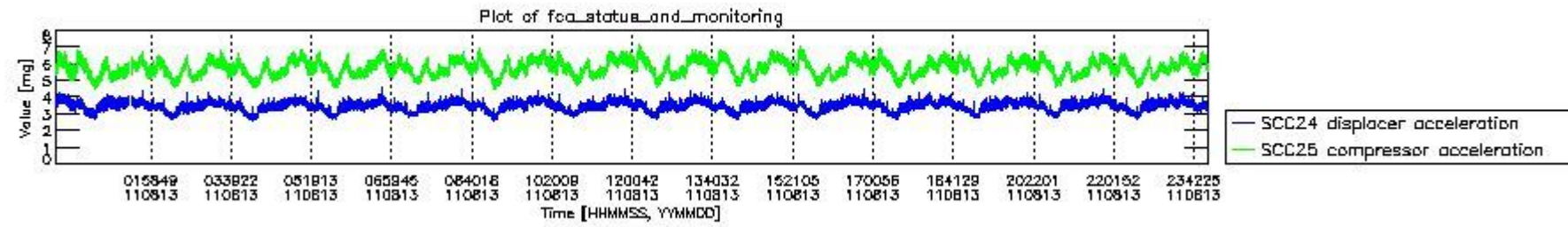
mipas_daily_report_level0_KSPT_L0_4504_N_20110813_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110813_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110813_9.PNG

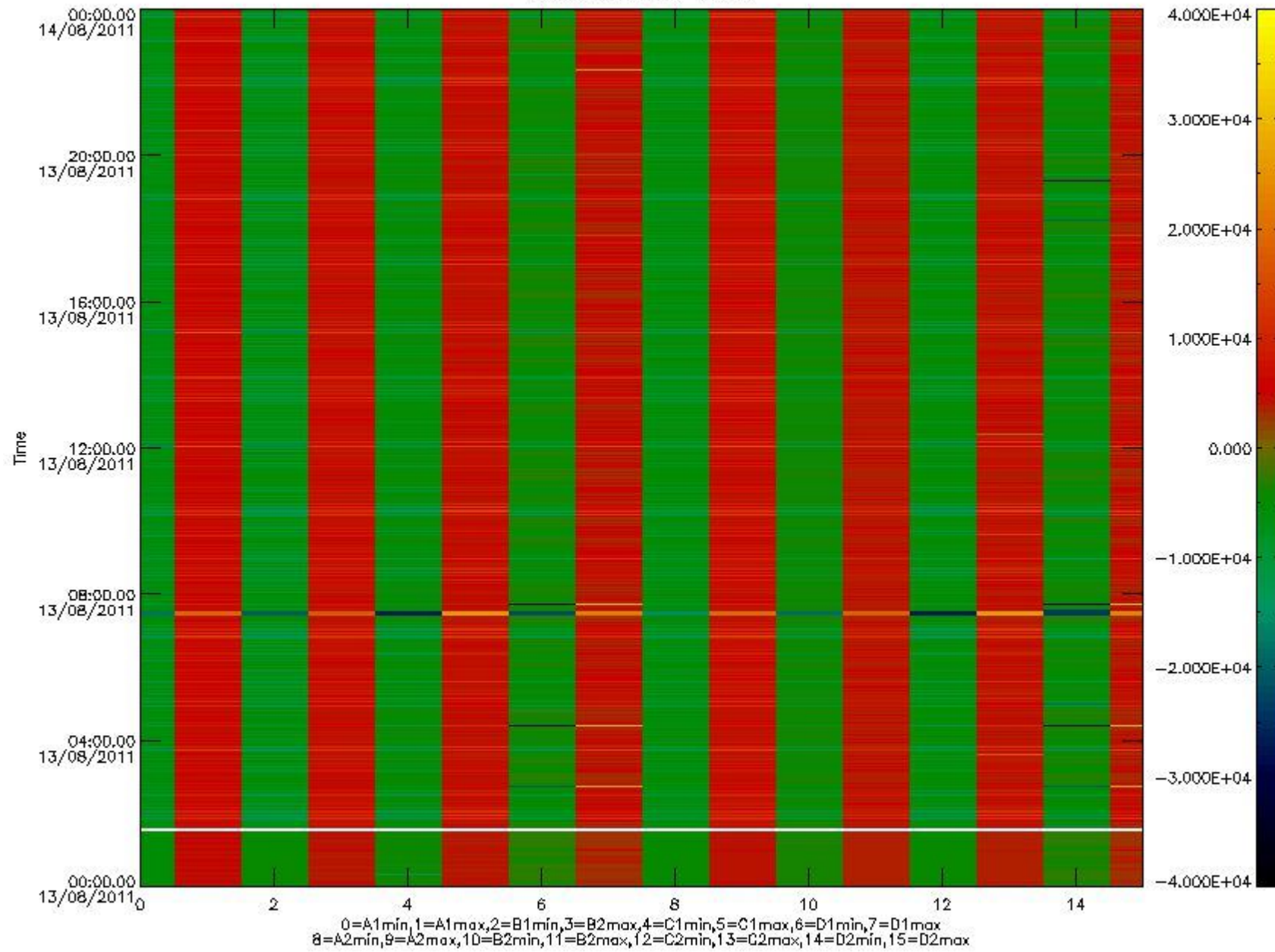


mipas_daily_report_level0_KSPT_L0_4504_N_20110813_10.PNG

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

Channel	Min	Max	ADC
A1	-18786	19960	16bit
B1	-20822	17910	16bit
C1	-26150	26033	16bit
D1	-32768	32767	16bit
A2	-16054	19630	16bit
B2	-19081	18720	16bit
C2	-27181	26834	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_20110813_11.PNG

0.3 ADF monitoring

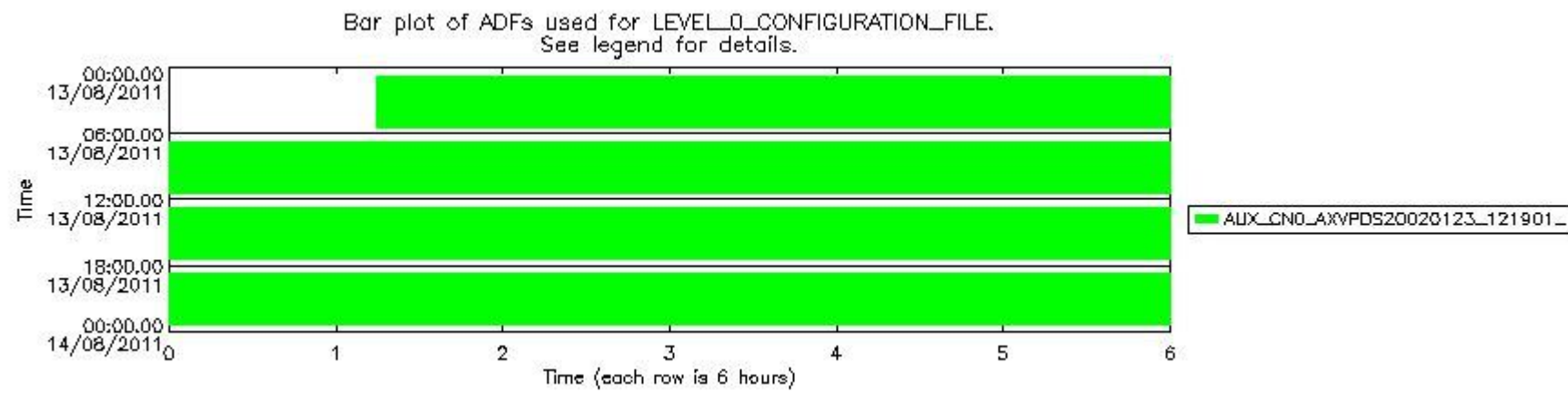
The use of ADFs is shown in two ways:

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.

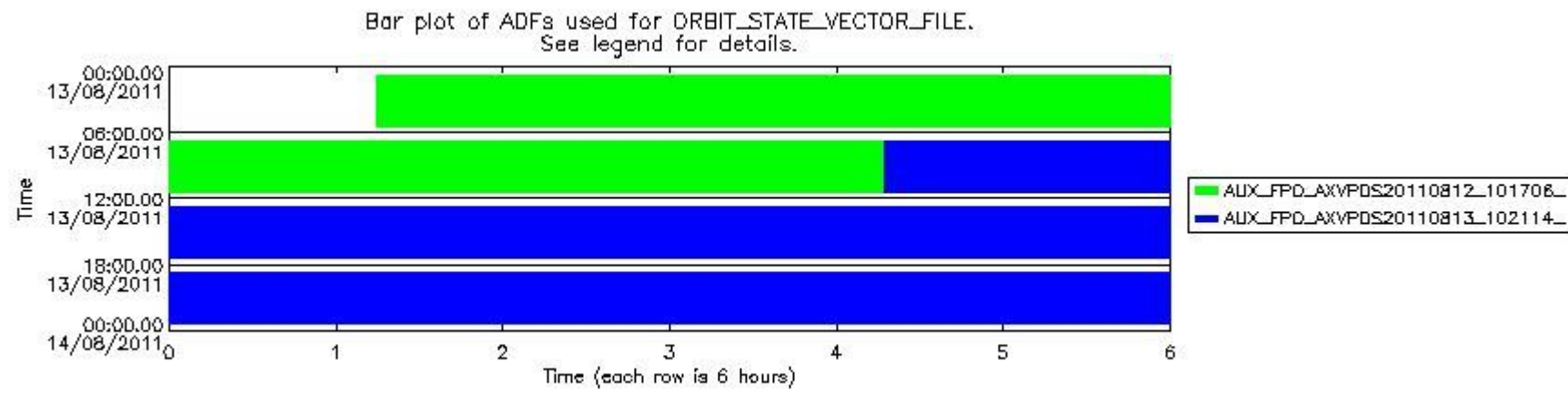
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110812_101706_20110811_192253_20110821_213640
2	AUX_FPO_AXVPDS20110813_102114_20110812_184609_20110822_205956

Number	Product name	#CN0	#FPO
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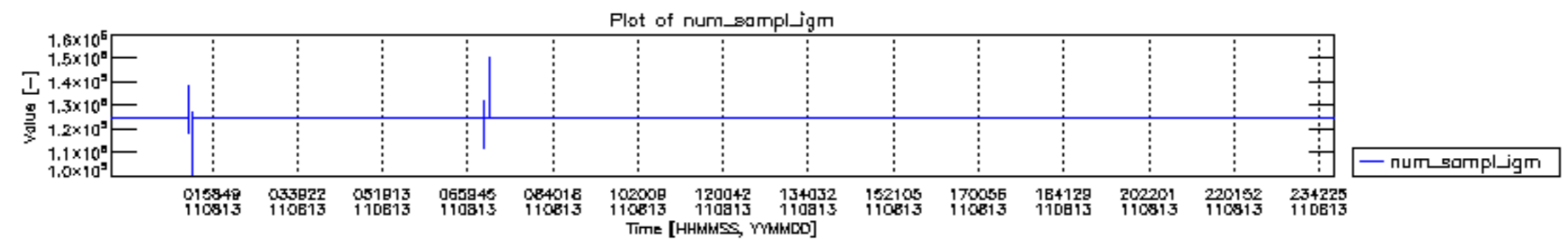
0	MIP_NL__0PNPDE20110813_011449_000102833105_00275_49427_9427.N1	0	1
1	MIP_NL__0PNPDE20110813_013453_000014083105_00276_49428_9430.N1	0	1
2	MIP_NL__0PNPDE20110813_015823_000076693105_00276_49428_9431.N1	0	1
3	MIP_NL__0PNPDE20110813_040538_000061773105_00277_49429_9428.N1	0	1
4	MIP_NL__0PNPDE20110813_054802_000061403105_00278_49430_9432.N1	0	1
5	MIP_NL__0PNPDK20110813_072945_000039963105_00279_49431_6038.N1	0	1
6	MIP_NL__0PNPDK20110813_083539_000061463105_00280_49432_6039.N1	0	1
7	MIP_NL__0PNPDK20110813_101732_000058933105_00281_49433_6040.N1	0	2
8	MIP_NL__0PNPDK20110813_115503_000060253105_00282_49434_6041.N1	0	2
9	MIP_NL__0PNPDK20110813_133455_000058683105_00283_49435_6042.N1	0	2
10	MIP_NL__0PNPDK20110813_151159_000059433105_00284_49436_6043.N1	0	2
11	MIP_NL__0PNPDK20110813_165006_000059013105_00285_49437_6044.N1	0	2
12	MIP_NL__0PNPDK20110813_182729_000059163105_00286_49438_6045.N1	0	2
13	MIP_NL__0PNPDE20110813_200422_000040533105_00287_49439_9433.N1	0	2
14	MIP_NL__0PNPDE20110813_211013_000065203105_00287_49439_9434.N1	0	2
15	MIP_NL__0PNPDE20110813_225756_000061123105_00288_49440_9435.N1	0	2

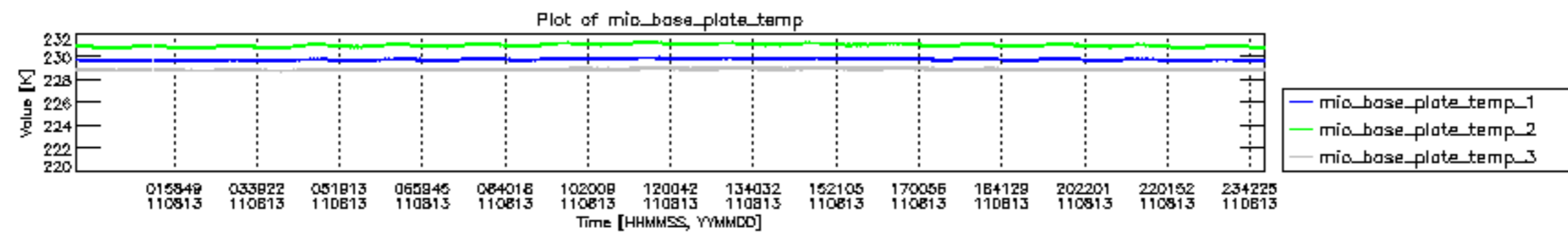


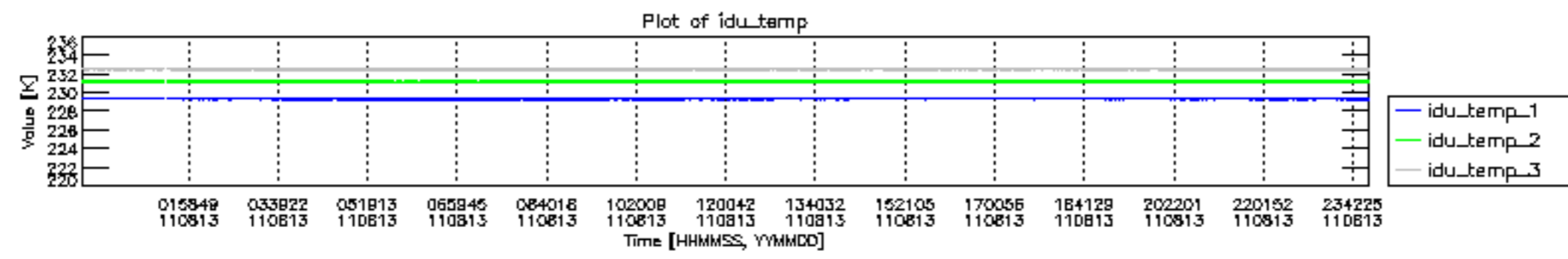
mipas_daily_report_level0_KSPT_L0_4504_N_20110813_12.PNG

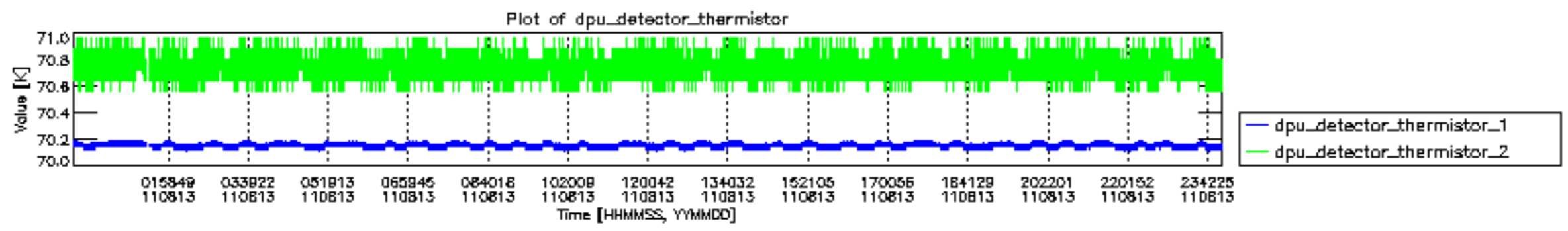


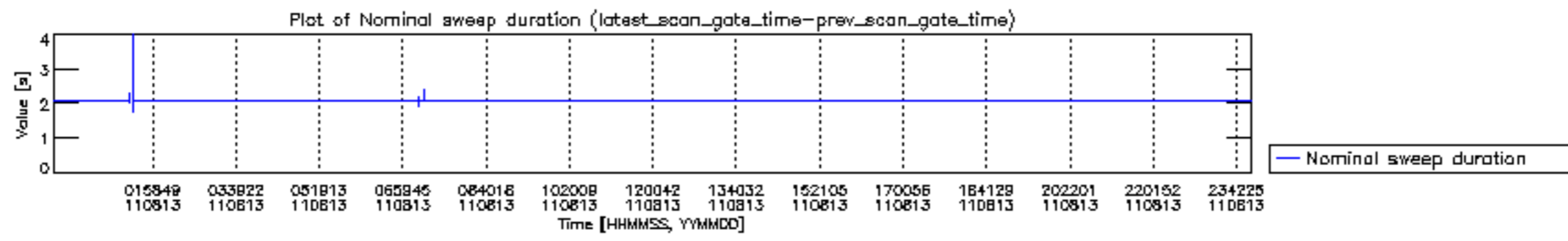
mipas_daily_report_level0_KSPT_L0_4504_N_20110813_13.PNG

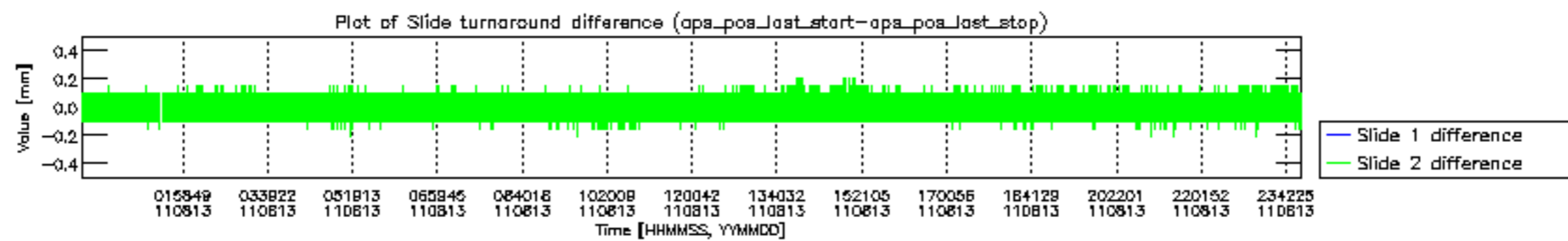


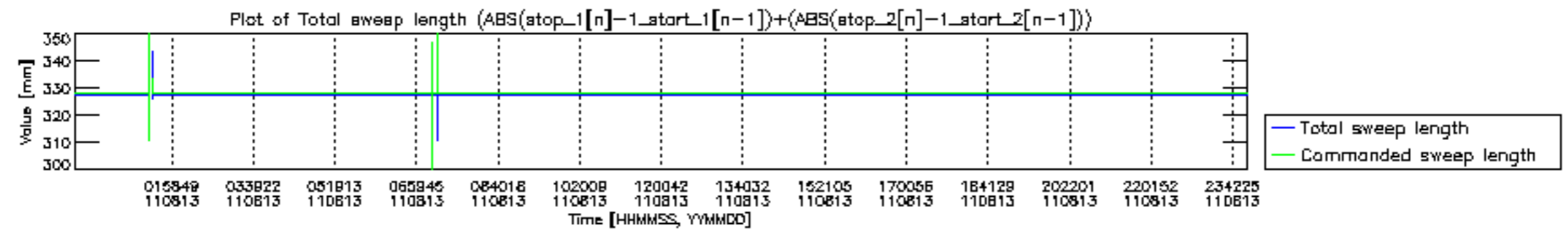


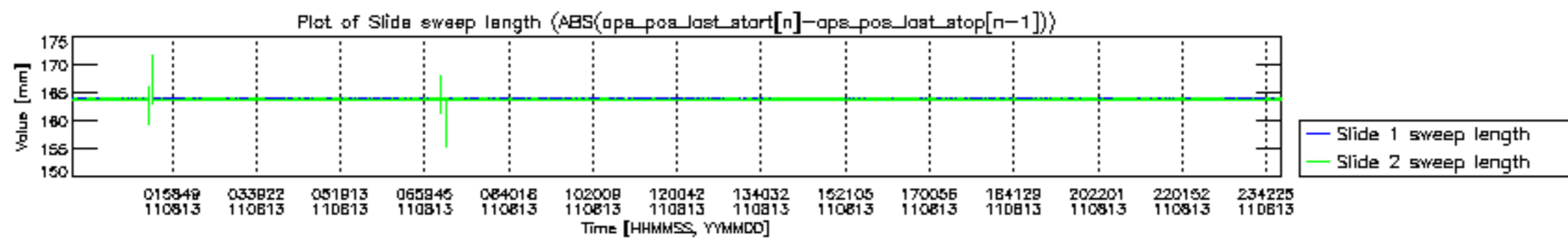


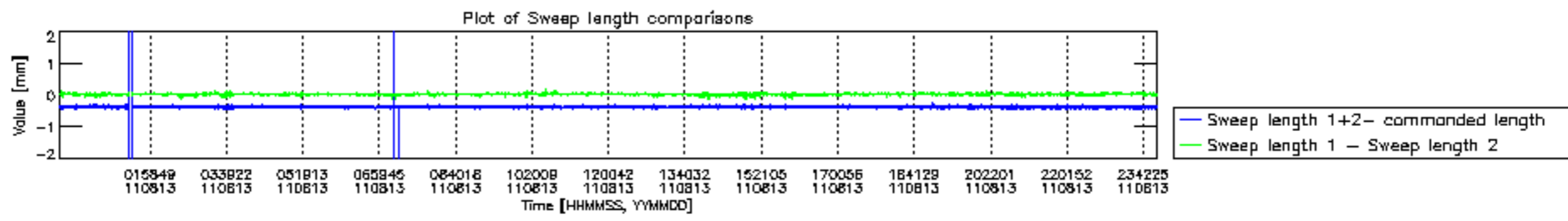


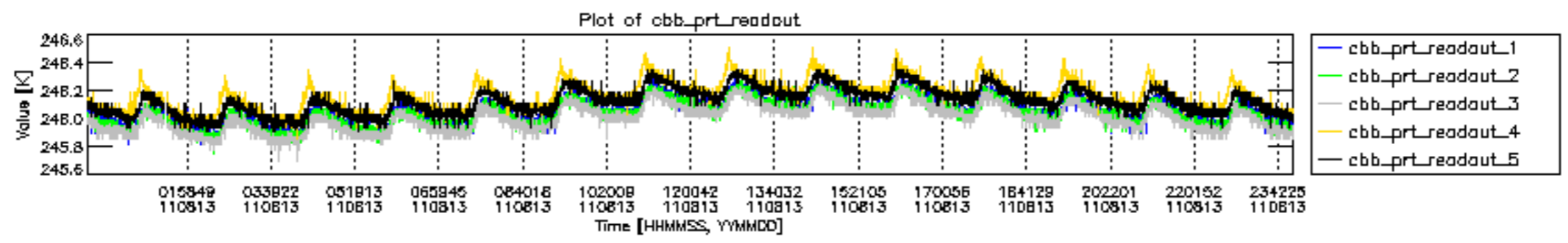


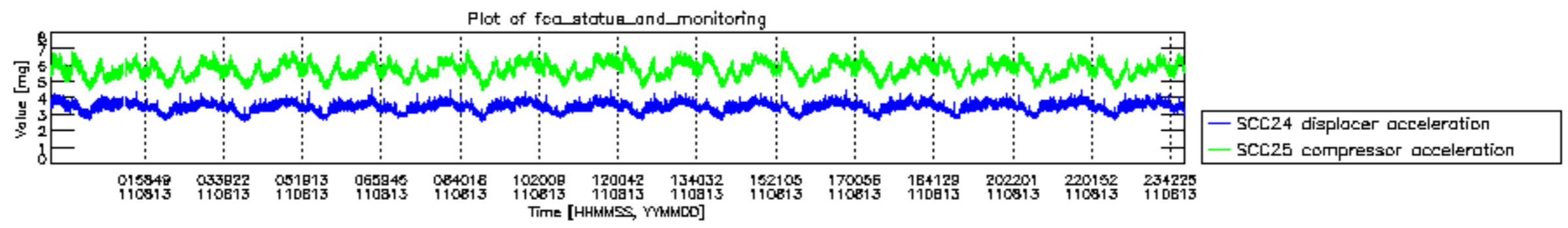












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

