

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	04APR2012 05:24:17
Data source version	KSPT_L0/4504-N
Processing scope for products	30MAR2012 00:00:00 to 31MAR2012 00:00:00
Start time of first product within scope	30MAR2012 00:44:18
Stop time of last product within scope	31MAR2012 00:08:07
Total number of level 0 products	16
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__0PNPDE20120330_004418_000057483113_00131_52731_6025.N1	30MAR2012 00:44:18	30MAR2012 02:20:07	0	0	0	0	0
1	MIP_NL__0PNPDE20120330_010253_000046333113_00132_52732_6029.N1	30MAR2012 01:02:53	30MAR2012 02:20:07	0	0	0	0	0
2	MIP_NL__0PNPDE20120330_021904_000045943113_00132_52732_1321.N1	30MAR2012 02:19:04	30MAR2012 03:35:38	0	0	0	0	0
3	MIP_NL__0PNPDE20120330_033506_000061003113_00133_52733_1322.N1	30MAR2012 03:35:06	30MAR2012 05:16:46	0	0	0	0	0
4	MIP_NL__0PNPDE20120330_051615_000060603113_00134_52734_1323.N1	30MAR2012 05:16:15	30MAR2012 06:57:15	0	0	0	0	0
5	MIP_NL__0PNPDK20120330_065642_000040823113_00135_52735_9067.N1	30MAR2012 06:56:42	30MAR2012 08:04:44	0	0	0	0	0
6	MIP_NL__0PNPDK20120330_080402_000061103113_00136_52736_9068.N1	30MAR2012 08:04:02	30MAR2012 09:45:52	0	0	0	0	0
7	MIP_NL__0PNPDK20120330_094508_000059773113_00137_52737_9069.N1	30MAR2012 09:45:08	30MAR2012 11:24:45	0	0	0	0	0
8	MIP_NL__0PNPDK20120330_112401_000060083113_00138_52738_9070.N1	30MAR2012 11:24:01	30MAR2012 13:04:09	0	0	0	0	0
9	MIP_NL__0PNPDK20120330_130327_000058413113_00139_52739_9071.N1	30MAR2012 13:03:27	30MAR2012 14:40:48	0	0	0	0	0
10	MIP_NL__0PNPDK20120330_143914_000060273113_00140_52740_9072.N1	30MAR2012 14:39:14	30MAR2012 16:19:41	0	0	0	0	0
11	MIP_NL__0PNPDK20120330_161805_000058643113_00141_52741_9073.N1	30MAR2012 16:18:05	30MAR2012 17:55:49	0	0	0	0	0
12	MIP_NL__0PNPDK20120330_175451_000060143113_00142_52742_9074.N1	30MAR2012 17:54:51	30MAR2012 19:35:05	0	0	0	0	0
13	MIP_NL__0PNPDK20120330_193327_000061063113_00143_52743_9075.N1	30MAR2012 19:33:27	30MAR2012 21:15:13	0	0	0	0	0
14	MIP_NL__0PNPDE20120330_211339_000043913113_00144_52744_1324.N1	30MAR2012 21:13:39	30MAR2012 22:26:50	0	0	0	0	0
15	MIP_NL__0PNPDE20120330_222550_000061383113_00144_52744_1325.N1	30MAR2012 22:25:50	31MAR2012 00:08:07	0	0	0	0	0

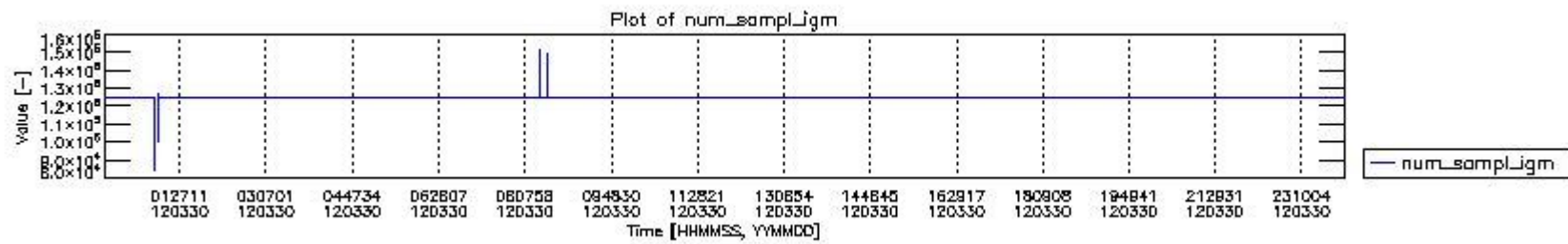
0.2 Instrument Operational Performance Parameters

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.

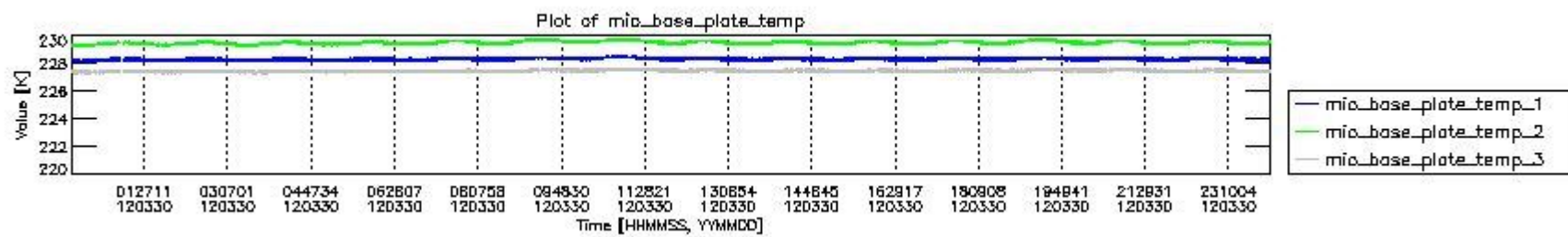
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
83930	1	0.0024050602
94302	1	0.0024050602

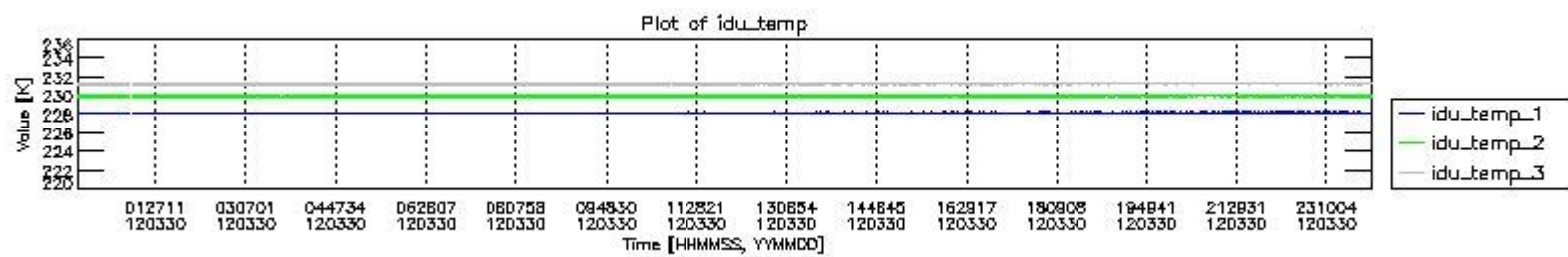
100632	1	0.0024050602
114431	1	0.0024050602
124800	38641	92.933933
124803	2926	7.0372063
125884	1	0.0024050602
126968	1	0.0024050602
127233	1	0.0024050602
128200	1	0.0024050602
147365	1	0.0024050602
148332	1	0.0024050602
149798	1	0.0024050602
151732	1	0.0024050602



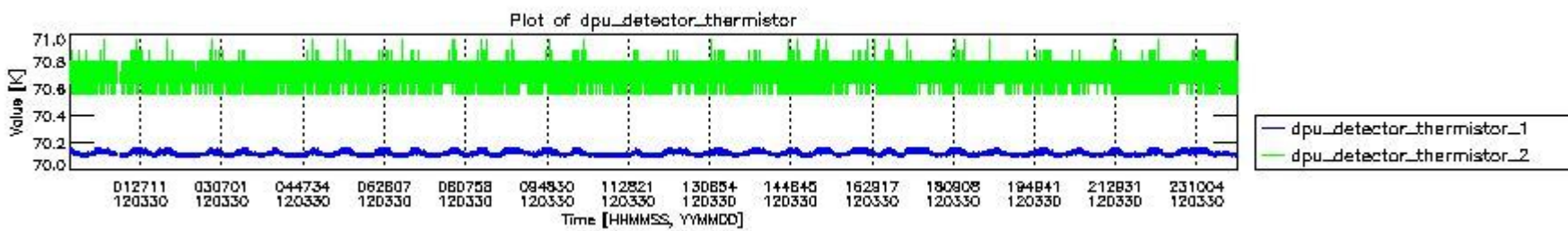
mipas_daily_report_level0_KSPT_L0_4504_N_20120330_0.PNG



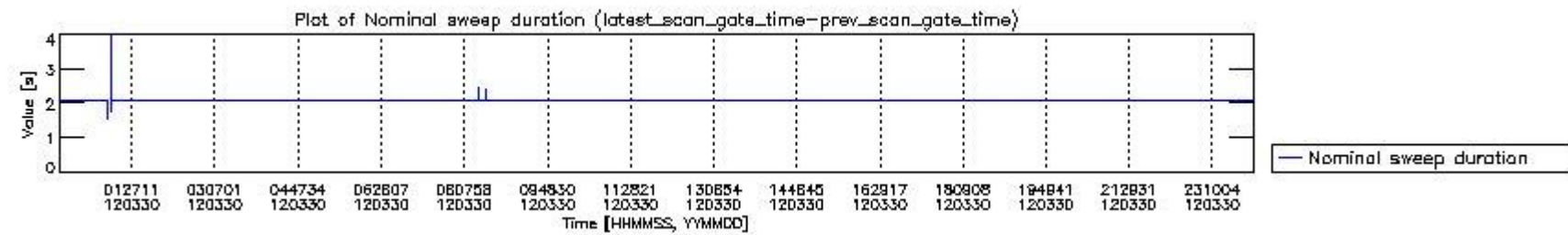
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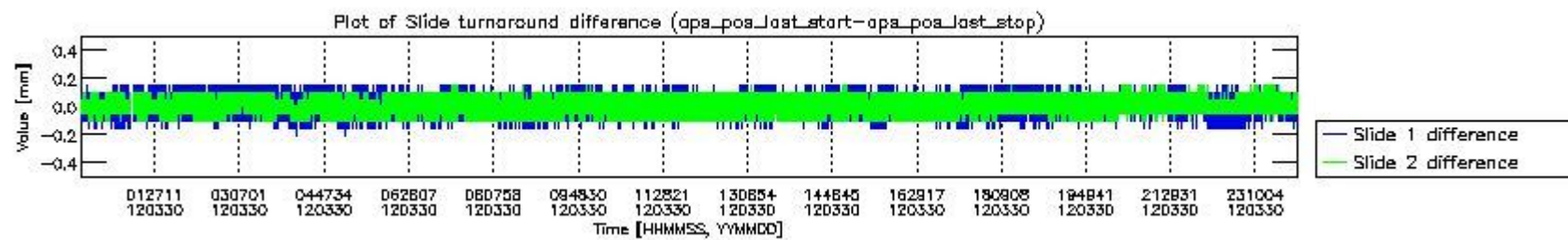
mipas_daily_report_level0_KSPT_L0_4504_N_20120330_2.PNG



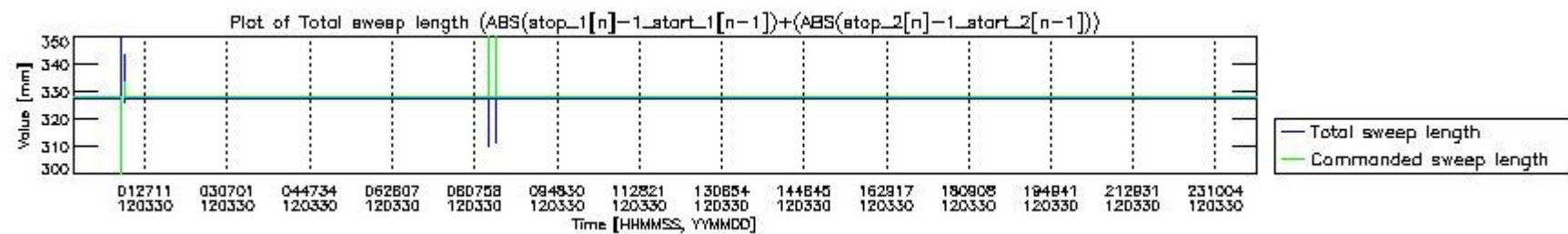
mipas_daily_report_level0_KSPT_L0_4504_N_20120330_3.PNG



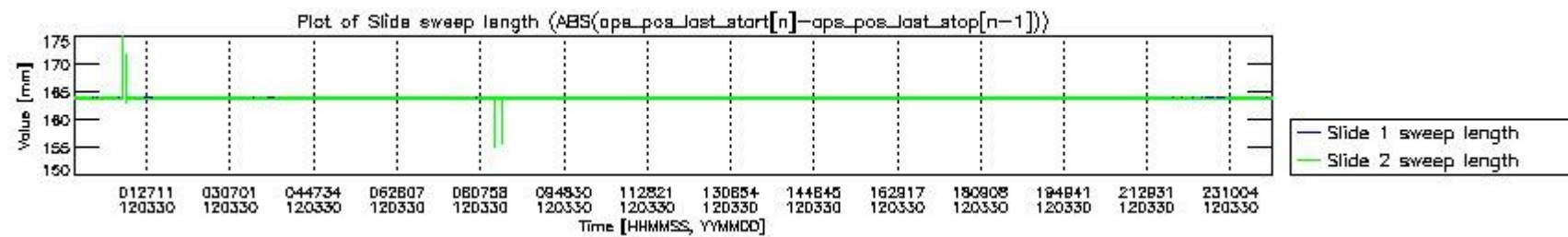
mipas_daily_report_level0_KSPT_L0_4504_N_20120330_4.PNG



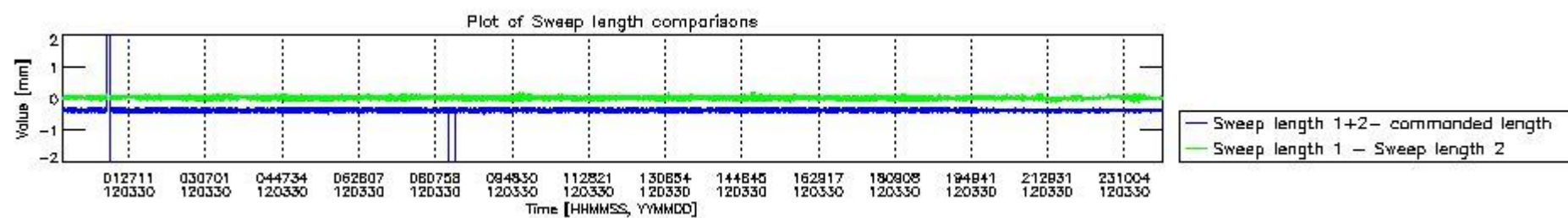
mipas_daily_report_level0_KSPT_L0_4504_N_20120330_5.PNG



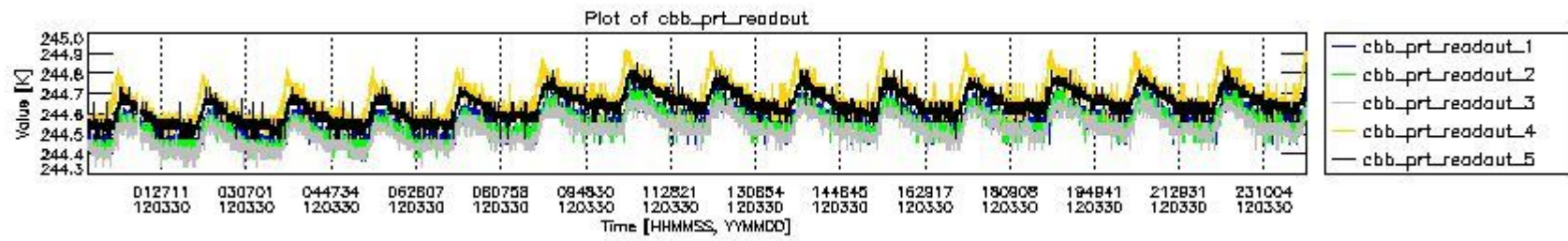
mipas_daily_report_level0_KSPT_L0_4504_N_20120330_6.PNG



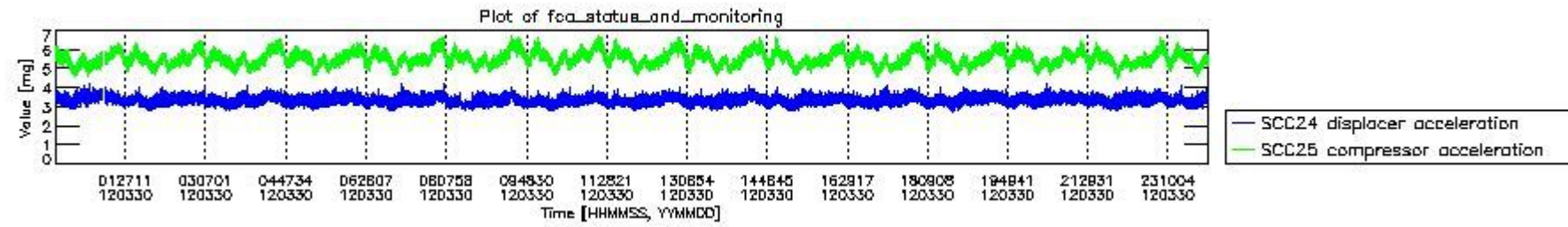
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mipas_daily_report_level0_KSPT_L0_4504_N_20120330_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120330_9.PNG

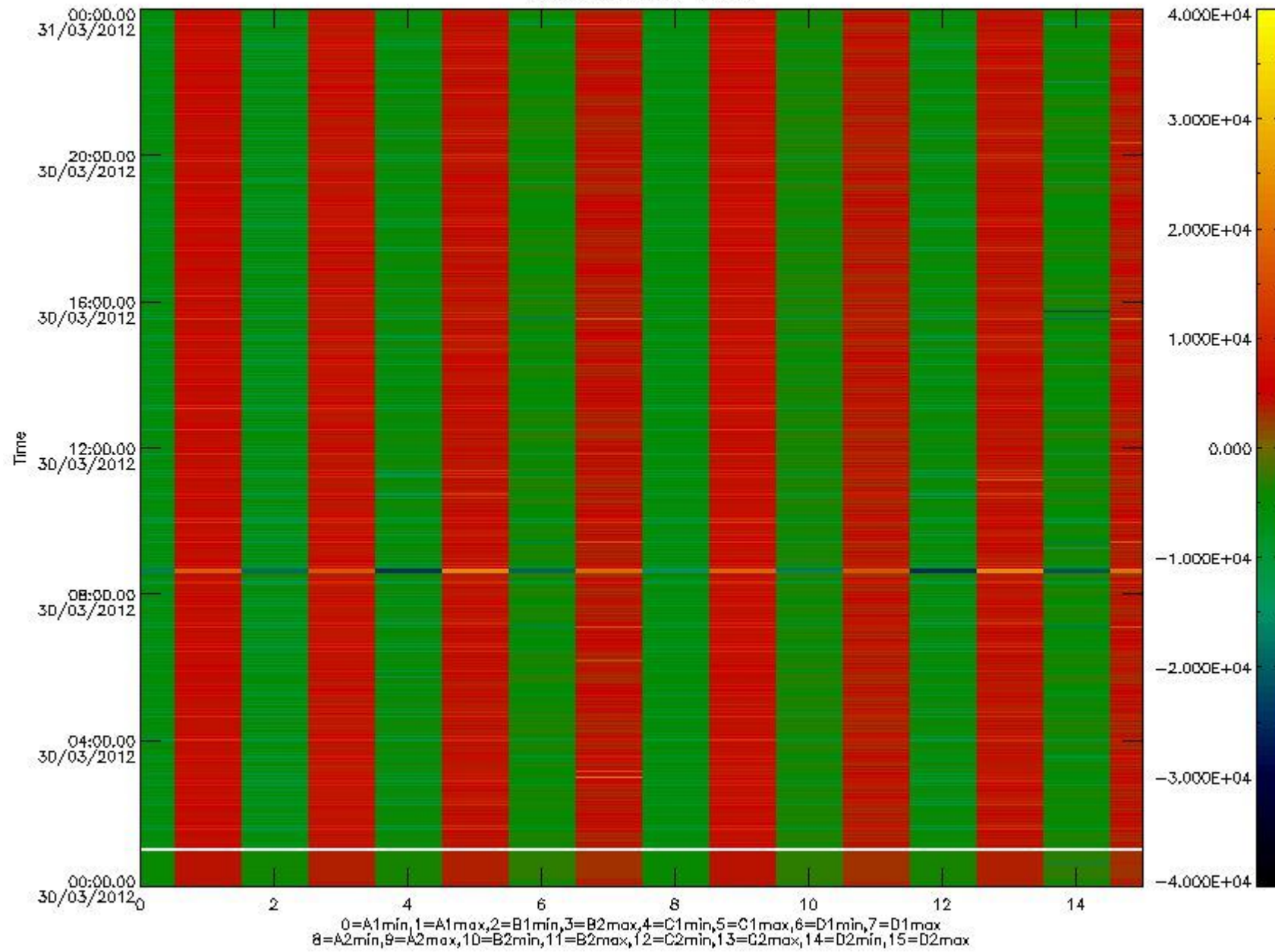


mipas_daily_report_level0_KSPT_L0_4504_N_20120330_10.PNG

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

Channel	Min	Max	ADC
A1	-17642	18578	16bit
B1	-20100	17341	16bit
C1	-25486	24453	16bit
D1	-32768	32767	16bit
A2	-15387	18863	16bit
B2	-17861	17607	16bit
C2	-25570	25172	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_20120330_11.PNG

0.3 ADF monitoring

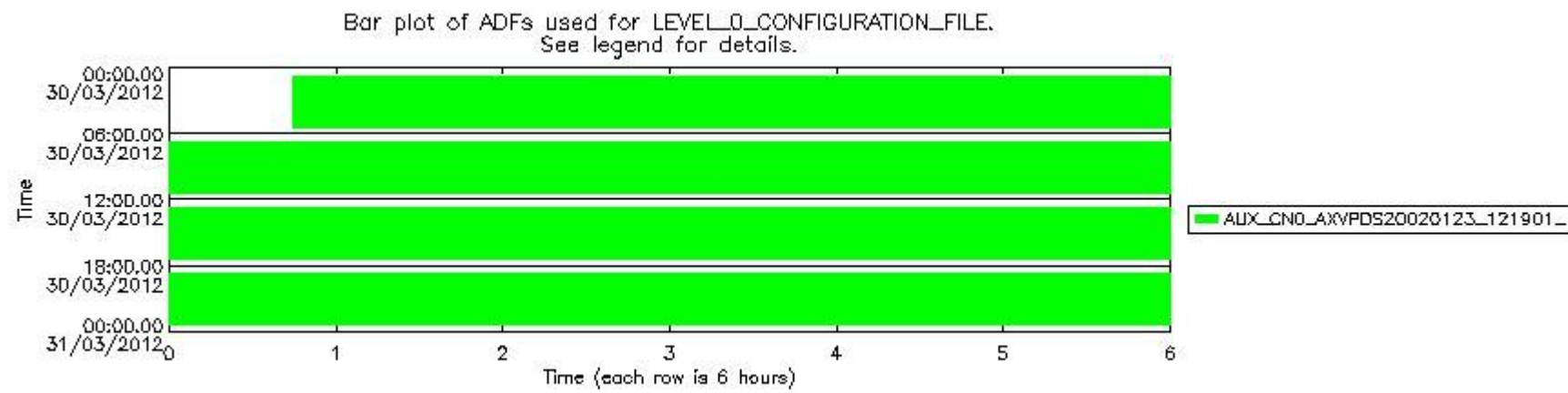
The use of ADFs is shown in two ways:

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.

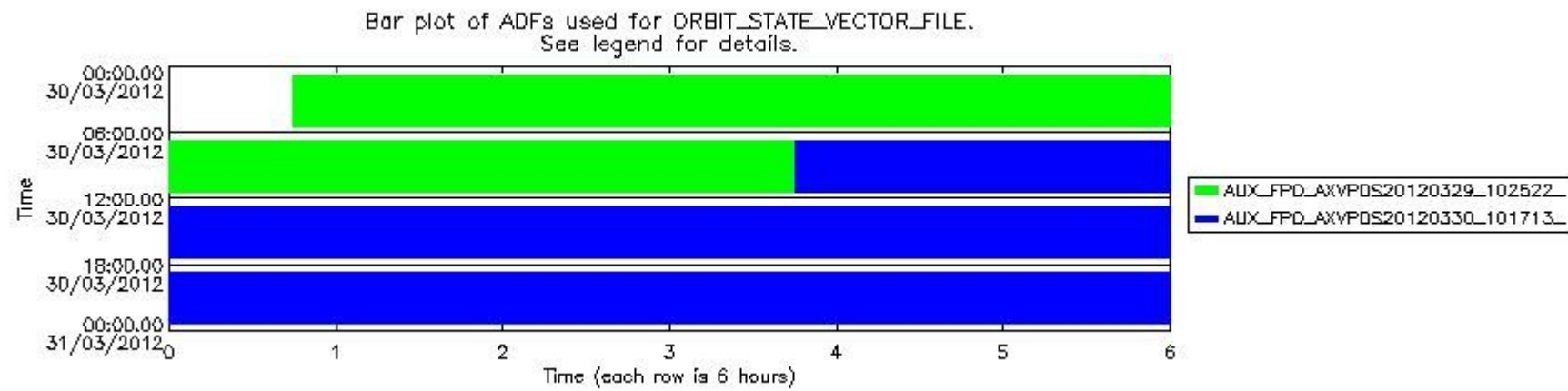
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120329_102522_20120328_185052_20120407_210431
2	AUX_FPO_AXVPDS20120330_101713_20120329_195421_20120408_202746

Number	Product name	#CN0	#FPO
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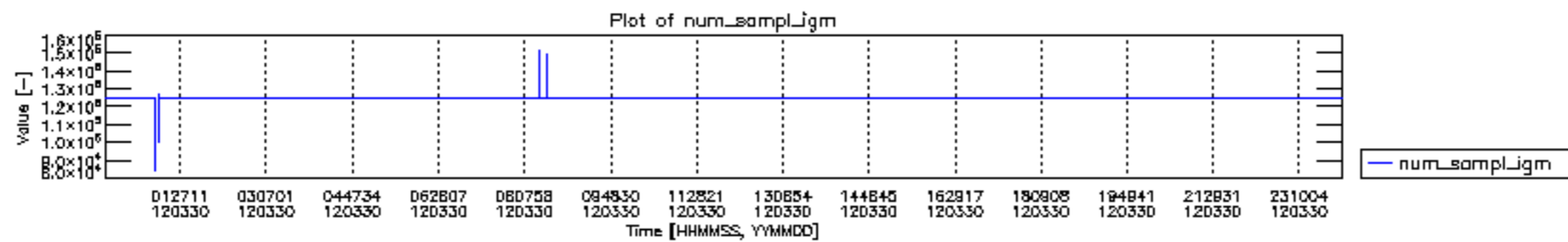
0	MIP_NL__0PNPDE20120330_004418_000057483113_00131_52731_6025.N1	0	1
1	MIP_NL__0PNPDE20120330_010253_000046333113_00132_52732_6029.N1	0	1
2	MIP_NL__0PNPDE20120330_021904_000045943113_00132_52732_1321.N1	0	1
3	MIP_NL__0PNPDE20120330_033506_000061003113_00133_52733_1322.N1	0	1
4	MIP_NL__0PNPDE20120330_051615_000060603113_00134_52734_1323.N1	0	1
5	MIP_NL__0PNPDK20120330_065642_000040823113_00135_52735_9067.N1	0	1
6	MIP_NL__0PNPDK20120330_080402_000061103113_00136_52736_9068.N1	0	1
7	MIP_NL__0PNPDK20120330_094508_000059773113_00137_52737_9069.N1	0	2
8	MIP_NL__0PNPDK20120330_112401_000060083113_00138_52738_9070.N1	0	2
9	MIP_NL__0PNPDK20120330_130327_000058413113_00139_52739_9071.N1	0	2
10	MIP_NL__0PNPDK20120330_143914_000060273113_00140_52740_9072.N1	0	2
11	MIP_NL__0PNPDK20120330_161805_000058643113_00141_52741_9073.N1	0	2
12	MIP_NL__0PNPDK20120330_175451_000060143113_00142_52742_9074.N1	0	2
13	MIP_NL__0PNPDK20120330_193327_000061063113_00143_52743_9075.N1	0	2
14	MIP_NL__0PNPDE20120330_211339_000043913113_00144_52744_1324.N1	0	2
15	MIP_NL__0PNPDE20120330_222550_000061383113_00144_52744_1325.N1	0	2

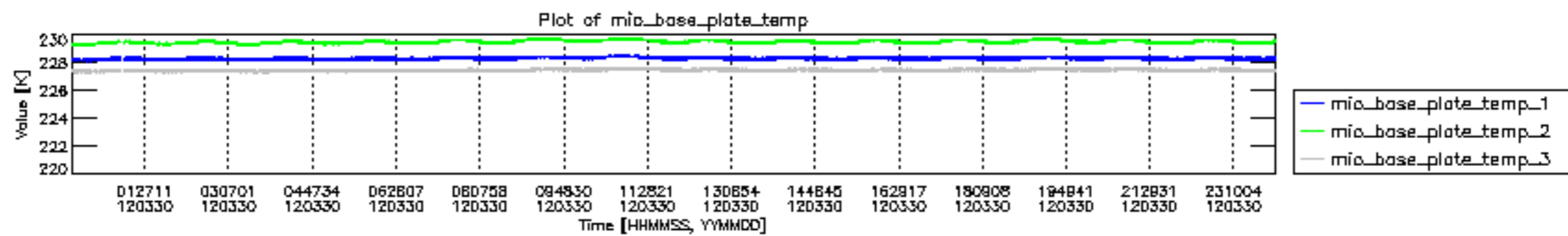


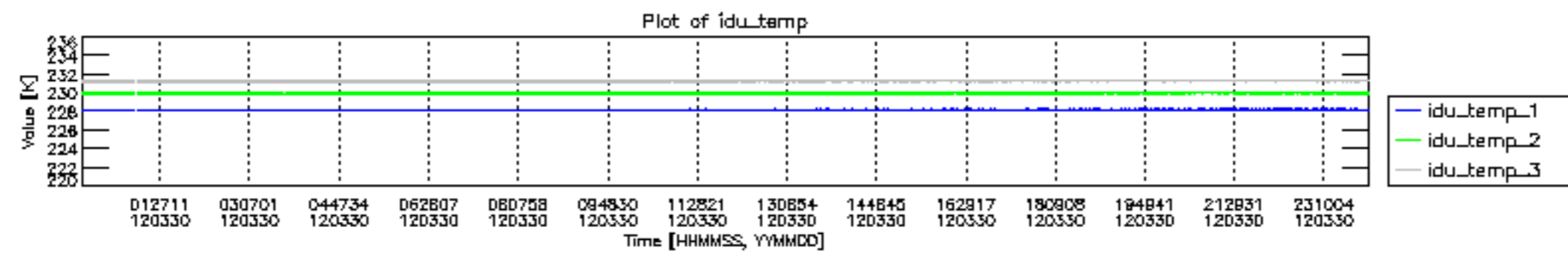
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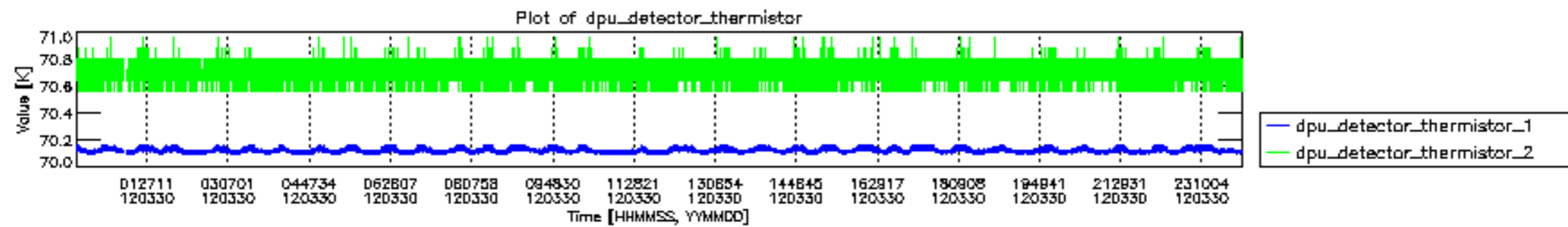


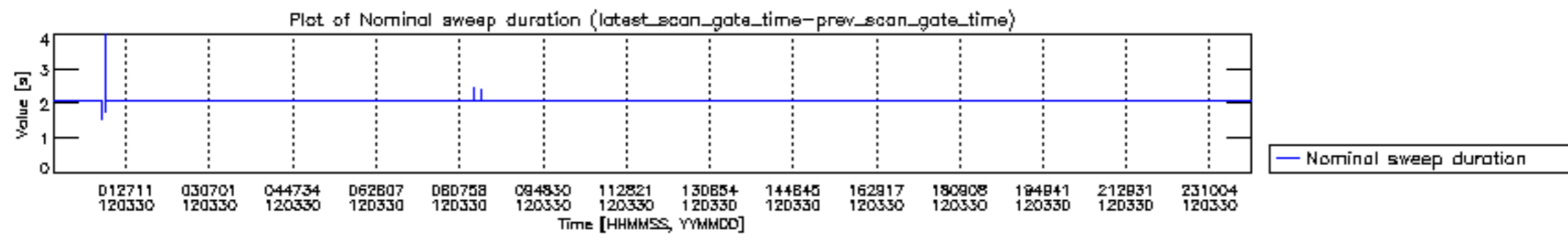
mipas_daily_report_level0_KSPT_L0_4504_N_20120330_13.PNG

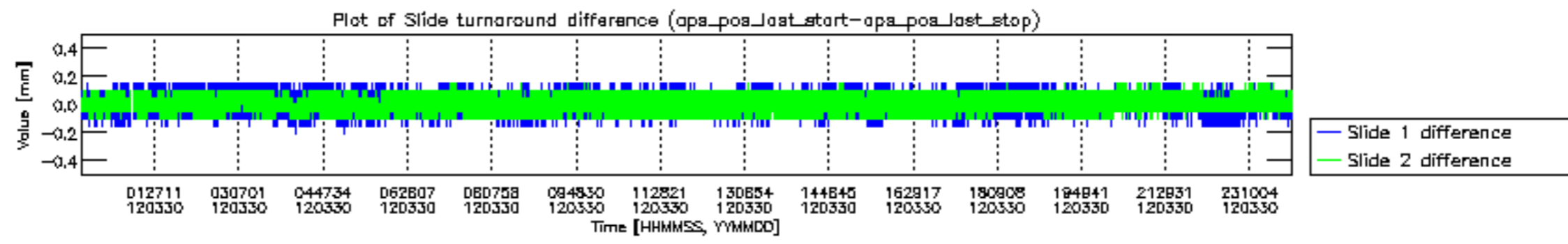


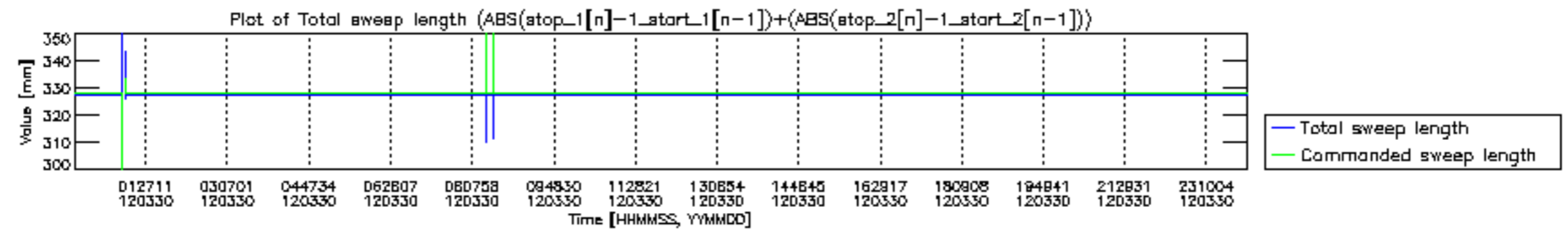


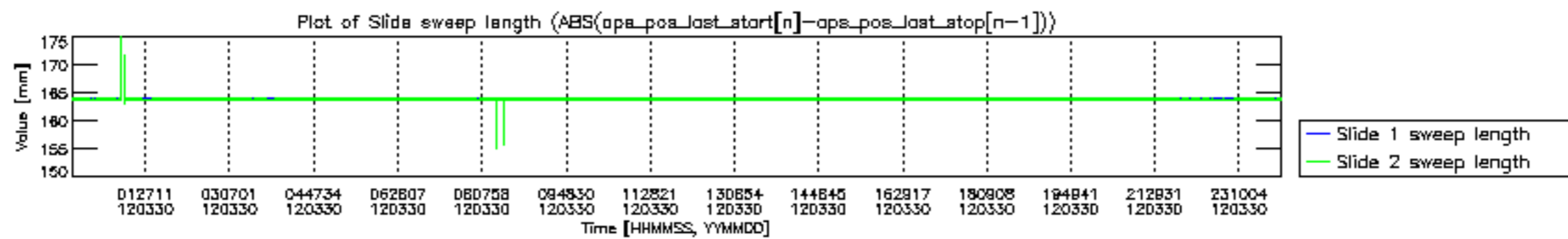


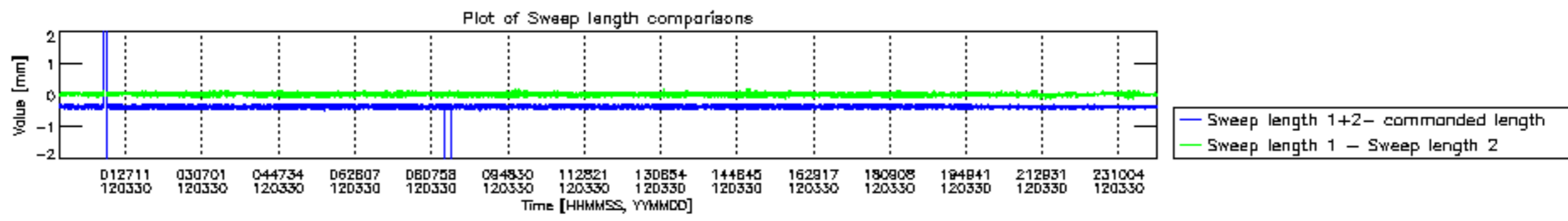


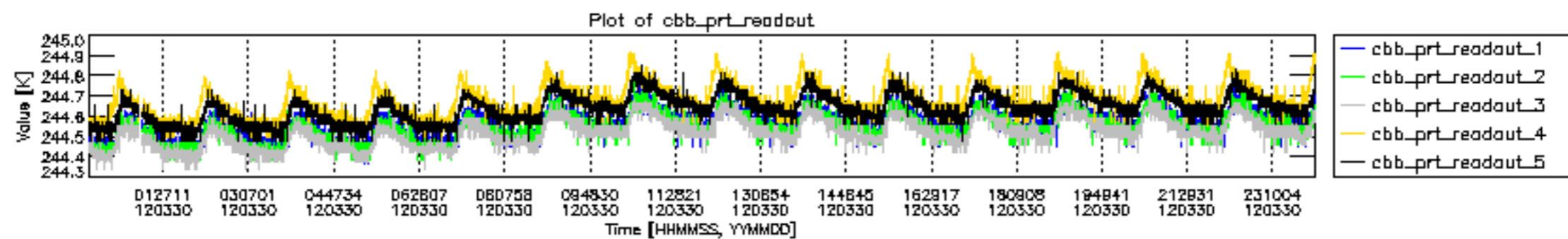


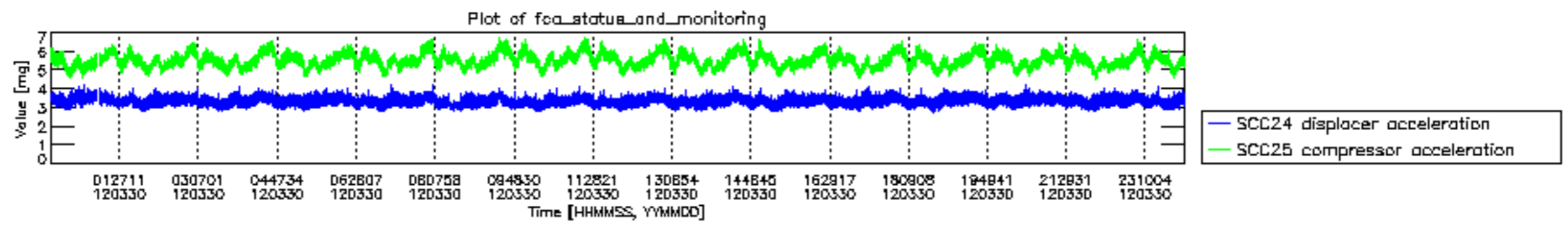












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

