

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	30MAR2012 05:24:08
Data source version	KSPT_L0/4504-N
Processing scope for products	25MAR2012 00:00:00 to 26MAR2012 00:00:00
Start time of first product within scope	25MAR2012 00:21:25
Stop time of last product within scope	26MAR2012 01:30:24
Total number of level 0 products	19
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.

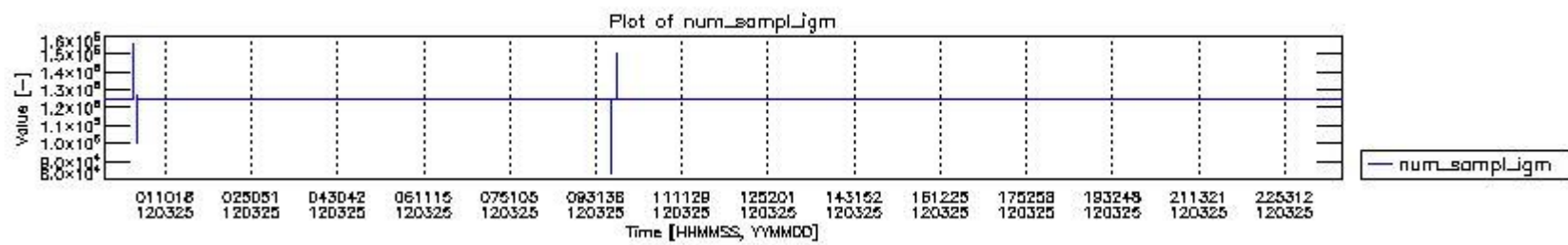
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120325_002125_000003283113_00059_52659_5990.N1	25MAR2012 00:21:25	25MAR2012 00:26:53	0	0	0	0	0
1	MIP_NL__0PNPDE20120325_002555_000059263113_00059_52659_1288.N1	25MAR2012 00:25:55	25MAR2012 02:04:41	0	0	0	0	0
2	MIP_NL__0PNPDE20120325_002809_000003153113_00059_52659_5988.N1	25MAR2012 00:28:09	25MAR2012 00:33:24	1	0	1	0	0
3	MIP_NL__0PNPDE20120325_003751_000052103113_00059_52659_5991.N1	25MAR2012 00:37:51	25MAR2012 02:04:41	0	0	0	0	0
4	MIP_NL__0PNPDE20120325_020340_000045193113_00060_52660_1289.N1	25MAR2012 02:03:40	25MAR2012 03:18:59	0	0	0	0	0
5	MIP_NL__0PNPDE20120325_031825_000061383113_00061_52661_1290.N1	25MAR2012 03:18:25	25MAR2012 05:00:43	0	0	0	0	0
6	MIP_NL__0PNPDE20120325_050009_000060063113_00062_52662_1291.N1	25MAR2012 05:00:09	25MAR2012 06:40:15	0	0	0	0	0
7	MIP_NL__0PNPDK20120325_063942_000040843113_00063_52663_9024.N1	25MAR2012 06:39:42	25MAR2012 07:47:46	0	0	0	0	0
8	MIP_NL__0PNPDK20120325_074712_000061153113_00064_52664_9025.N1	25MAR2012 07:47:12	25MAR2012 09:29:07	0	0	0	0	0
9	MIP_NL__0PNPDK20120325_092823_000059933113_00065_52665_9026.N1	25MAR2012 09:28:23	25MAR2012 11:08:16	0	0	0	0	0
10	MIP_NL__0PNPDK20120325_110732_000060123113_00066_52666_9027.N1	25MAR2012 11:07:32	25MAR2012 12:47:44	0	0	0	0	0
11	MIP_NL__0PNPDK20120325_124711_000059353113_00067_52667_9028.N1	25MAR2012 12:47:11	25MAR2012 14:26:06	0	0	0	0	0
12	MIP_NL__0PNPDK20120325_142507_000058103113_00068_52668_9029.N1	25MAR2012 14:25:07	25MAR2012 16:01:57	0	0	0	0	0
13	MIP_NL__0PNPDK20120325_160023_000059963113_00069_52669_9030.N1	25MAR2012 16:00:23	25MAR2012 17:40:18	0	0	0	0	0
14	MIP_NL__0PNPDK20120325_173920_000058683113_00070_52670_9031.N1	25MAR2012 17:39:20	25MAR2012 19:17:08	0	0	0	0	0
15	MIP_NL__0PNPDK20120325_191538_000060833113_00071_52671_9032.N1	25MAR2012 19:15:38	25MAR2012 20:57:01	0	0	0	0	0
16	MIP_NL__0PNPDE20120325_205617_000044063113_00072_52672_1292.N1	25MAR2012 20:56:17	25MAR2012 22:09:43	0	0	0	0	0
17	MIP_NL__0PNPDE20120325_220845_000060773113_00072_52672_1293.N1	25MAR2012 22:08:45	25MAR2012 23:50:02	0	0	0	0	0
18	MIP_NL__0PNPDE20120325_234901_000060833113_00073_52673_1294.N1	25MAR2012 23:49:01	26MAR2012 01:30:24	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

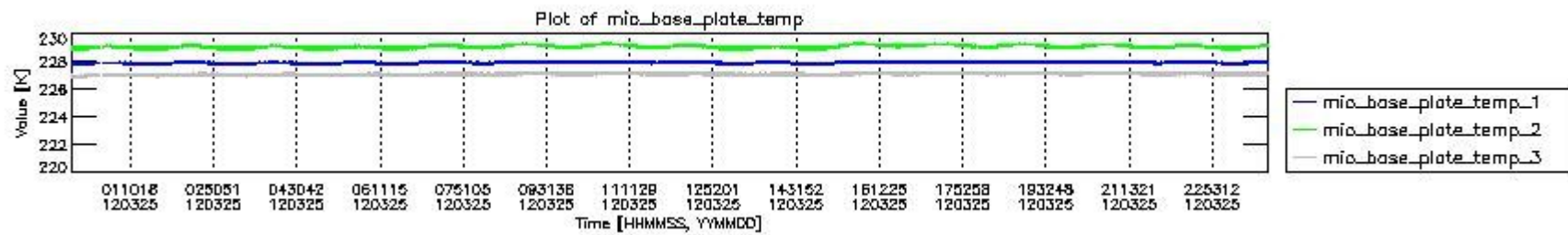
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

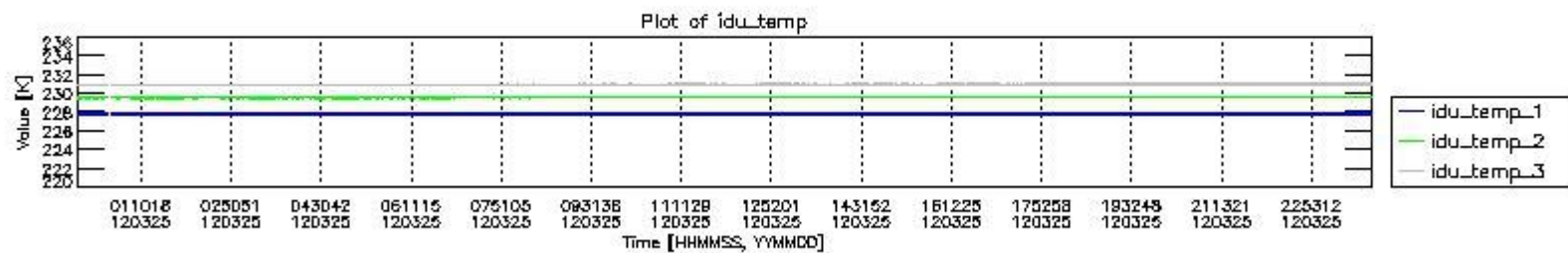
Number of igm samples	Count [#]	Count [%]
83190	1	0.0023999808
93929	1	0.0023999808
100632	1	0.0023999808
114061	1	0.0023999808
124800	38704	92.888857
124803	2951	7.0823433
125884	1	0.0023999808
126968	1	0.0023999808
127382	1	0.0023999808
130207	1	0.0023999808
147514	1	0.0023999808
150096	1	0.0023999808
150339	1	0.0023999808
155746	1	0.0023999808



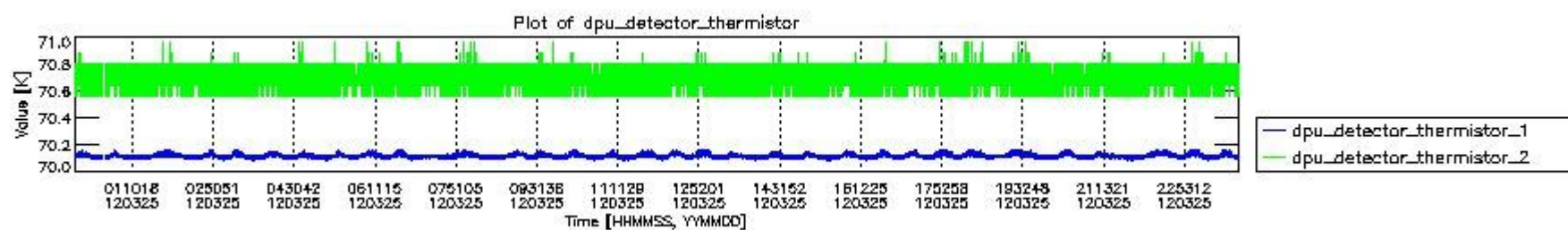
mipas_daily_report_level0_KSPT_L0_4504_N_20120325_0.PNG



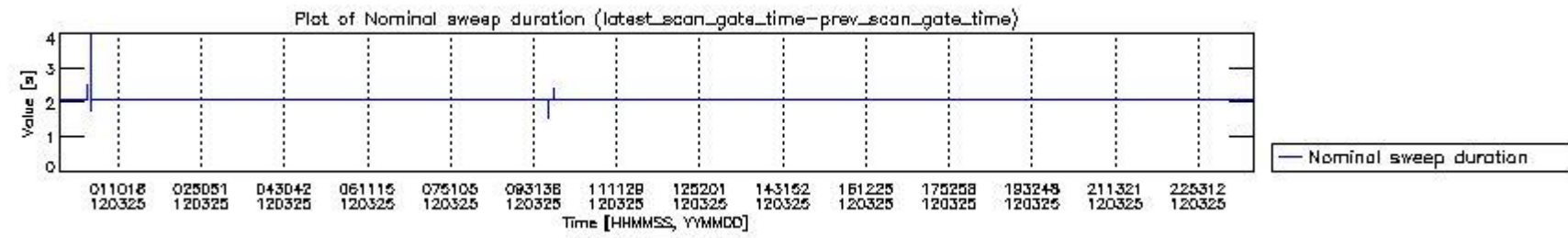
mipas_daily_report_level0_KSPT_L0_4504_N_20120325_1.PNG



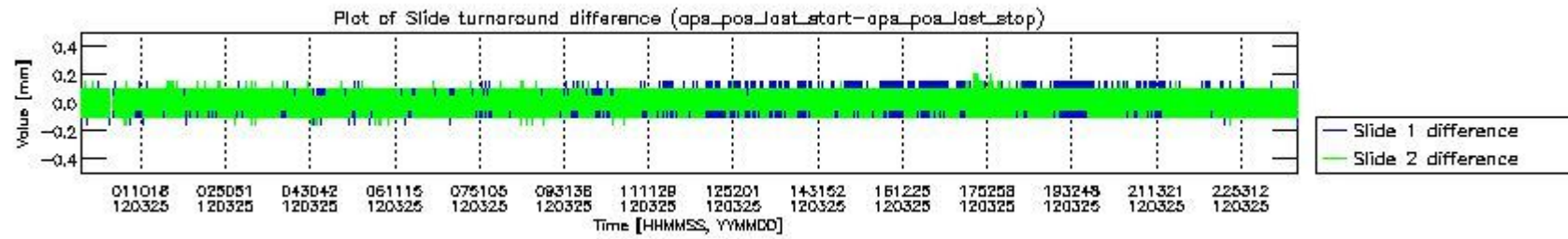
mipas_daily_report_level0_KSPT_L0_4504_N_20120325_2.PNG



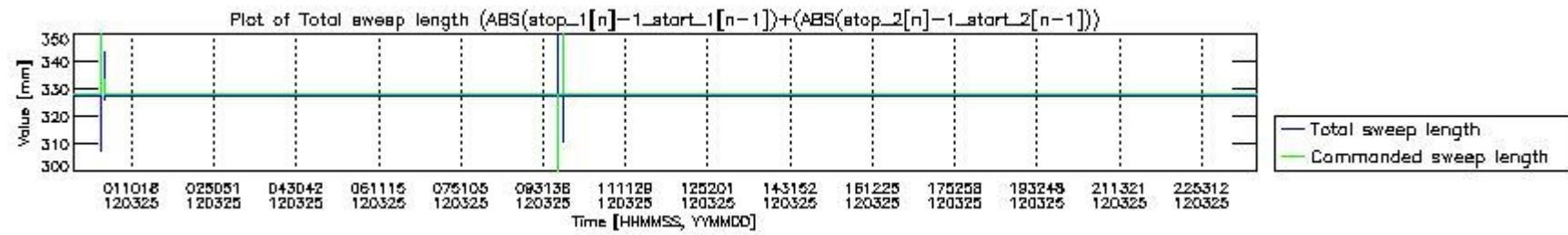
mipas_daily_report_level0_KSPT_L0_4504_N_20120325_3.PNG



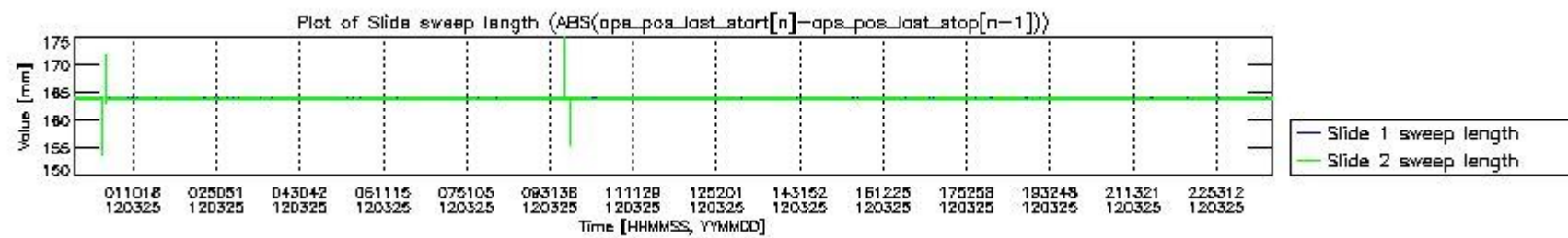
mipas_daily_report_level0_KSPT_L0_4504_N_20120325_4.PNG



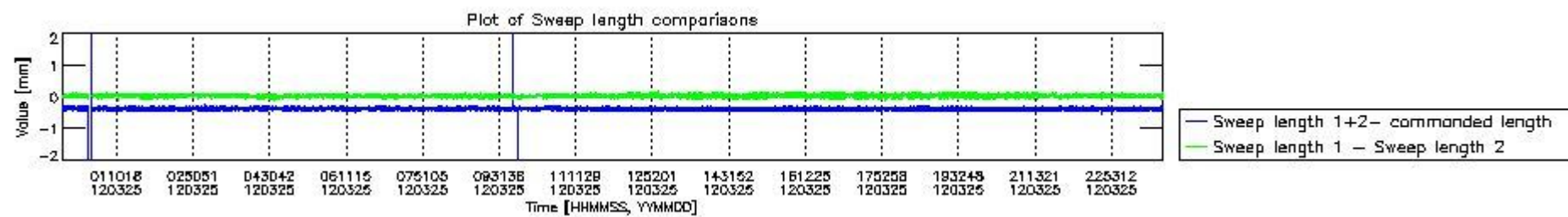
mipas_daily_report_level0_KSPT_L0_4504_N_20120325_5.PNG



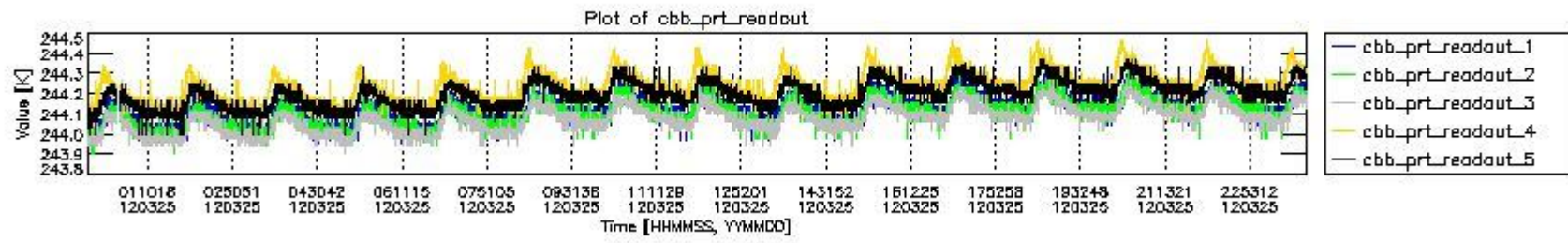
mipas_daily_report_level0_KSPT_L0_4504_N_20120325_6.PNG



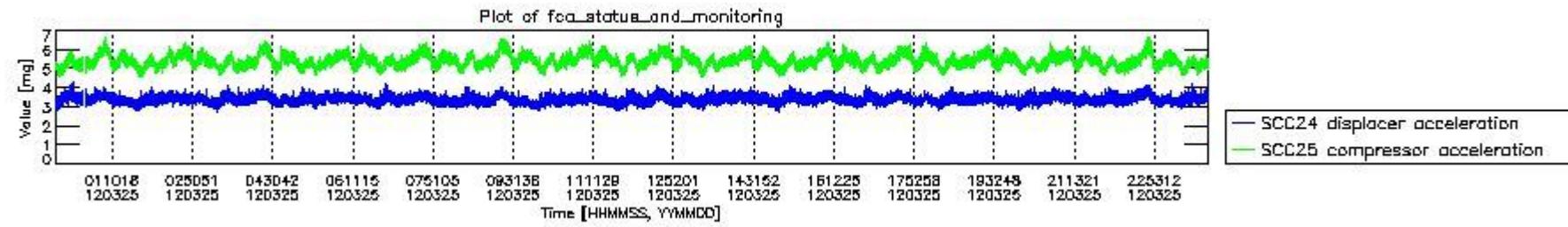
mipas_daily_report_level0_KSPT_L0_4504_N_20120325_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120325_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120325_9.PNG

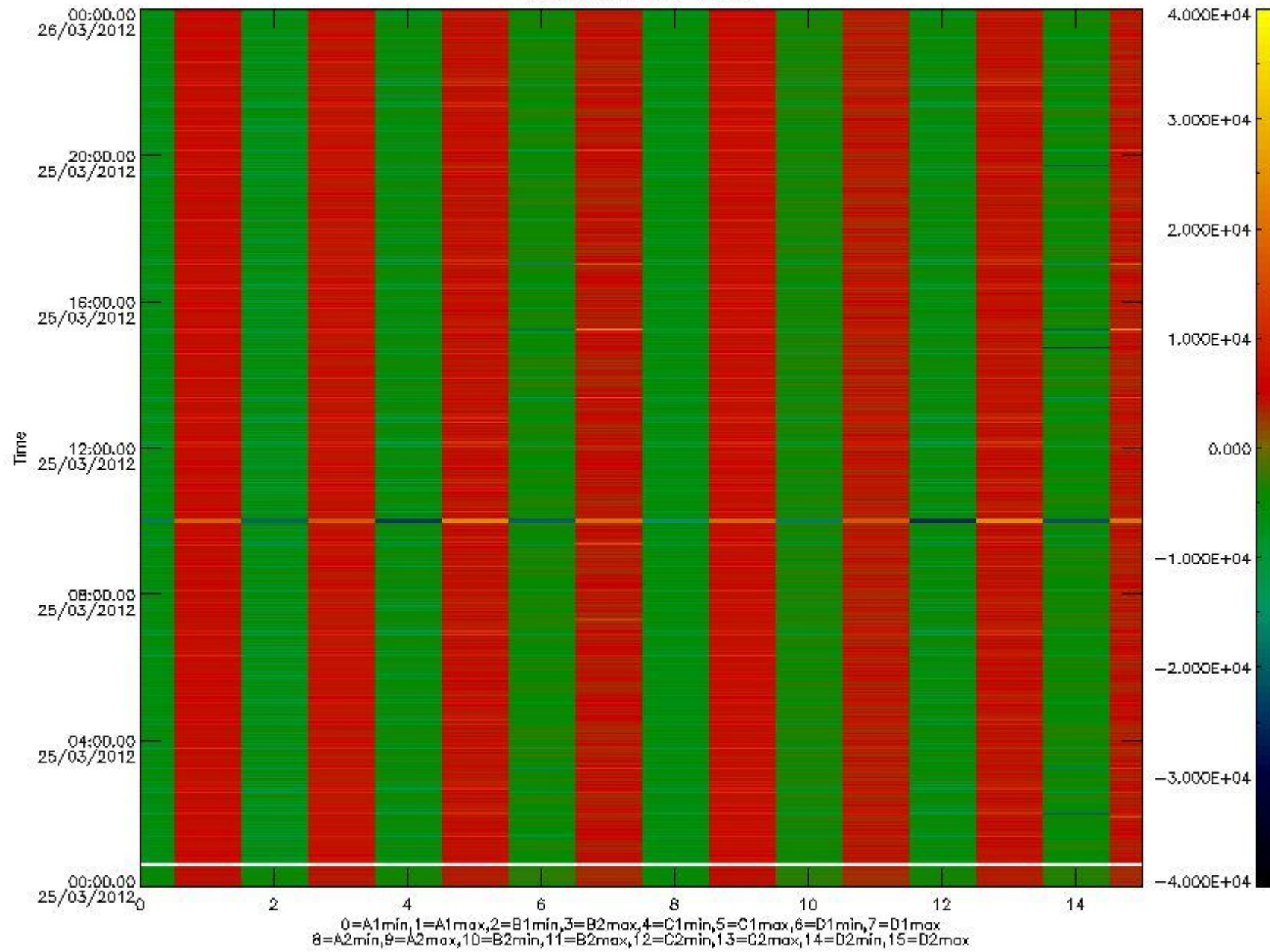


mipas_daily_report_level0_KSPT_L0_4504_N_20120325_10.PNG

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

Channel	Min	Max	ADC
A1	-17567	18521	16bit
B1	-19902	17201	16bit
C1	-24201	24078	16bit
D1	-32768	32767	16bit
A2	-15333	18785	16bit
B2	-17668	17419	16bit
C2	-25253	24771	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_20120325_11.PNG

0.3 ADF monitoring

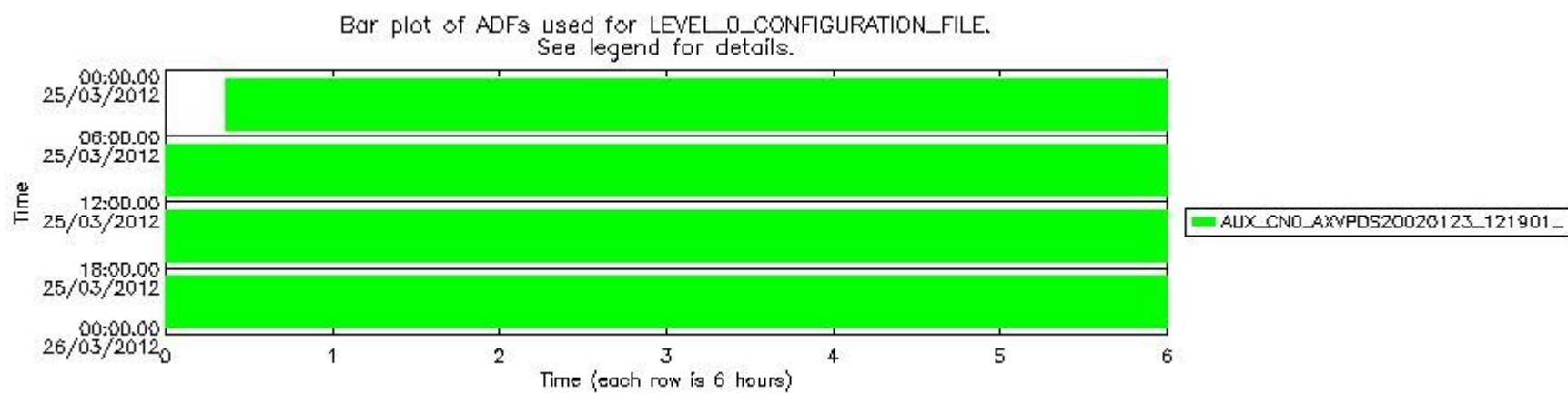
The use of ADFs is shown in two ways:

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.

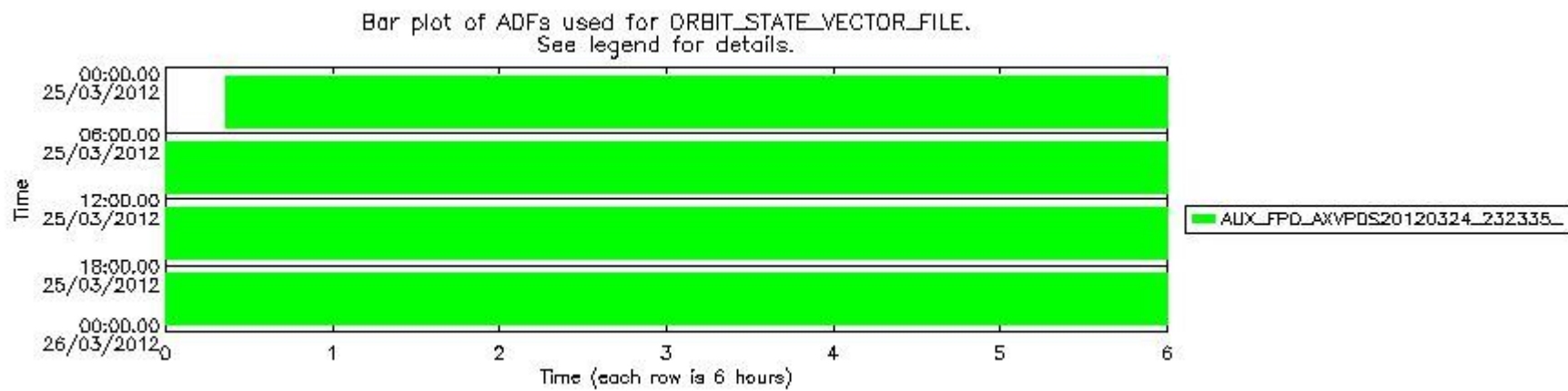
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120324_232335_20120324_193738_20120403_201104

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120325_002125_000003283113_00059_52659_5990.N1	0	1

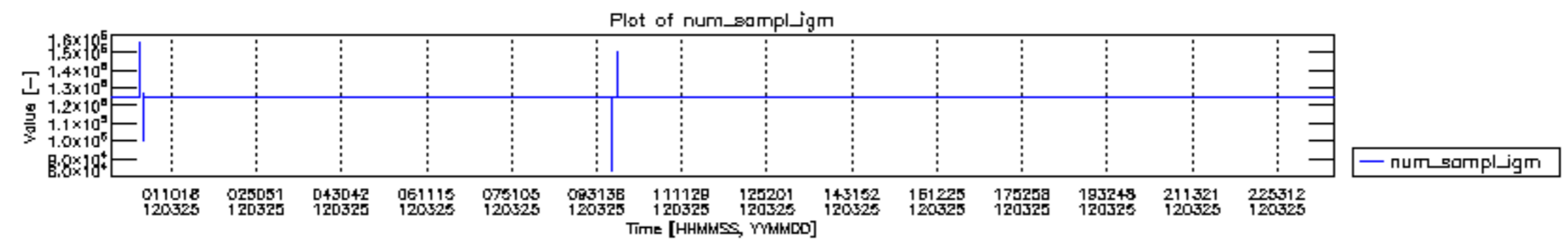
1	MIP_NL__0PNPDE20120325_002555_000059263113_00059_52659_1288.N1	0	1
2	MIP_NL__0PNPDE20120325_002809_000003153113_00059_52659_5988.N1	0	1
3	MIP_NL__0PNPDE20120325_003751_000052103113_00059_52659_5991.N1	0	1
4	MIP_NL__0PNPDE20120325_020340_000045193113_00060_52660_1289.N1	0	1
5	MIP_NL__0PNPDE20120325_031825_000061383113_00061_52661_1290.N1	0	1
6	MIP_NL__0PNPDE20120325_050009_000060063113_00062_52662_1291.N1	0	1
7	MIP_NL__0PNPDK20120325_063942_000040843113_00063_52663_9024.N1	0	1
8	MIP_NL__0PNPDK20120325_074712_000061153113_00064_52664_9025.N1	0	1
9	MIP_NL__0PNPDK20120325_092823_000059933113_00065_52665_9026.N1	0	1
10	MIP_NL__0PNPDK20120325_110732_000060123113_00066_52666_9027.N1	0	1
11	MIP_NL__0PNPDK20120325_124711_000059353113_00067_52667_9028.N1	0	1
12	MIP_NL__0PNPDK20120325_142507_000058103113_00068_52668_9029.N1	0	1
13	MIP_NL__0PNPDK20120325_160023_000059963113_00069_52669_9030.N1	0	1
14	MIP_NL__0PNPDK20120325_173920_000058683113_00070_52670_9031.N1	0	1
15	MIP_NL__0PNPDK20120325_191538_000060833113_00071_52671_9032.N1	0	1
16	MIP_NL__0PNPDE20120325_205617_000044063113_00072_52672_1292.N1	0	1
17	MIP_NL__0PNPDE20120325_220845_000060773113_00072_52672_1293.N1	0	1
18	MIP_NL__0PNPDE20120325_234901_000060833113_00073_52673_1294.N1	0	1

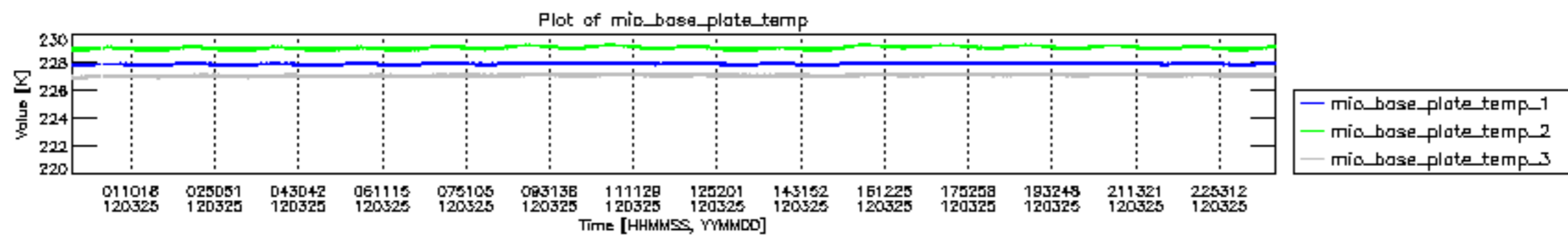


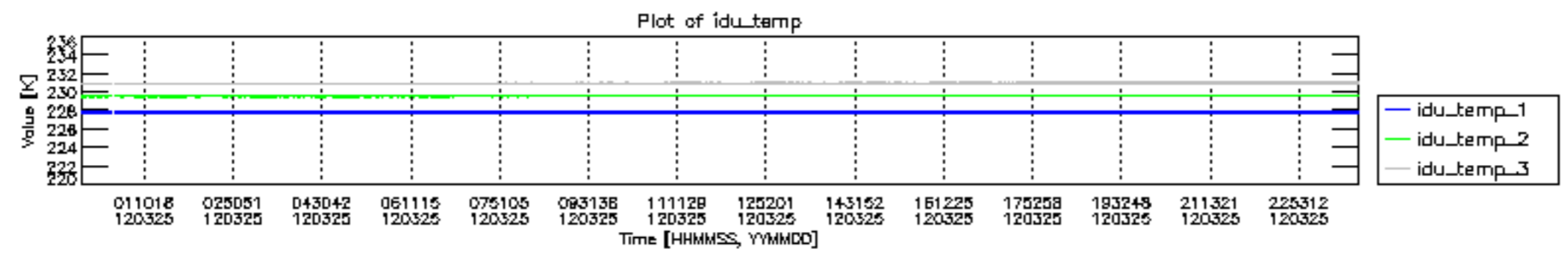
mipas_daily_report_level0_KSPT_L0_4504_N_20120325_12.PNG

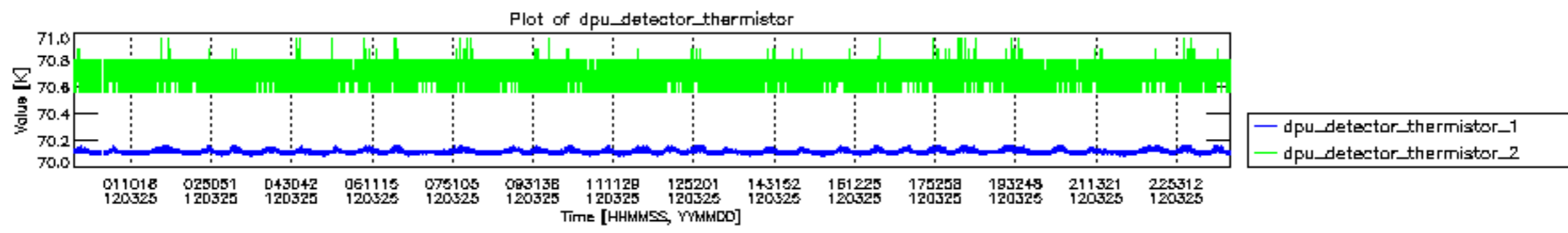


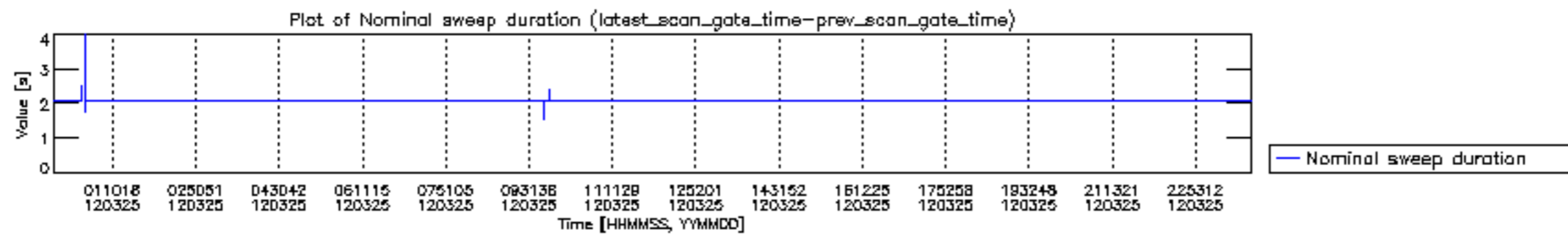
mipas_daily_report_level0_KSPT_L0_4504_N_20120325_13.PNG

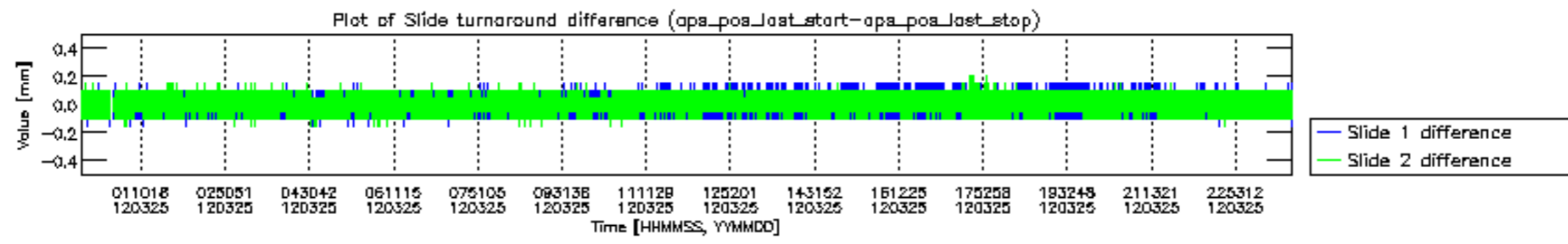


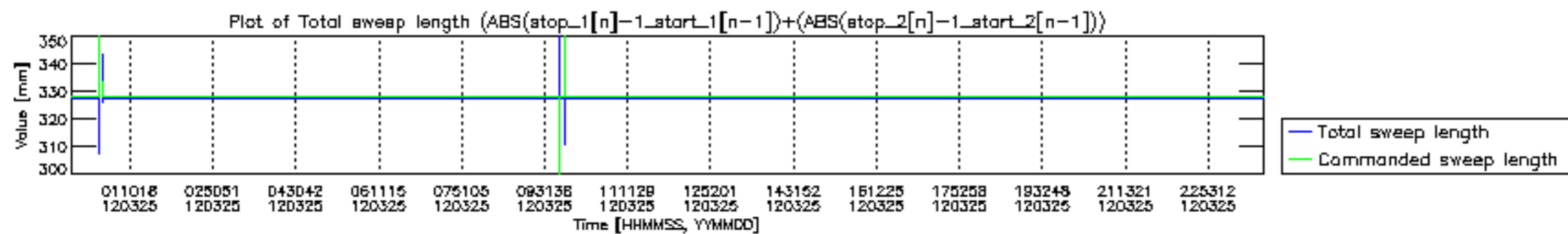


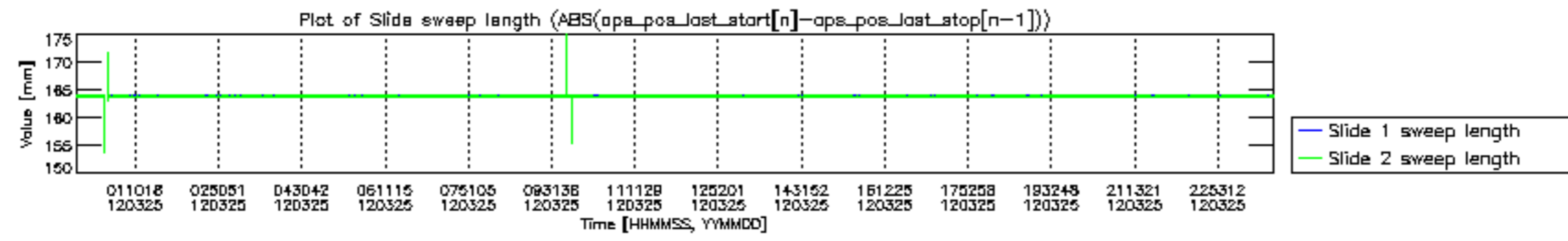


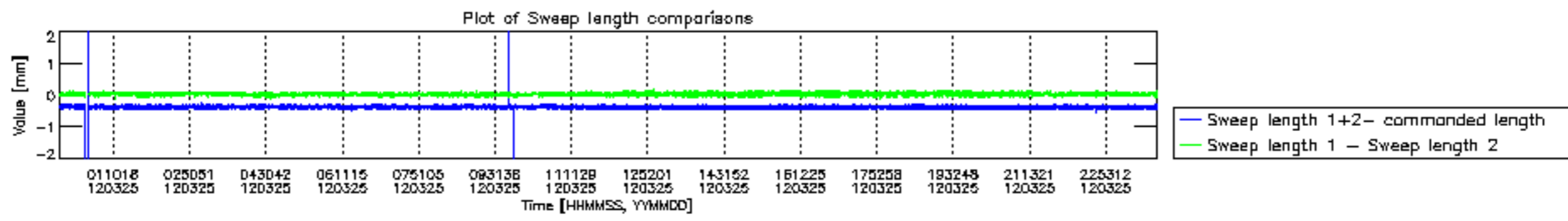


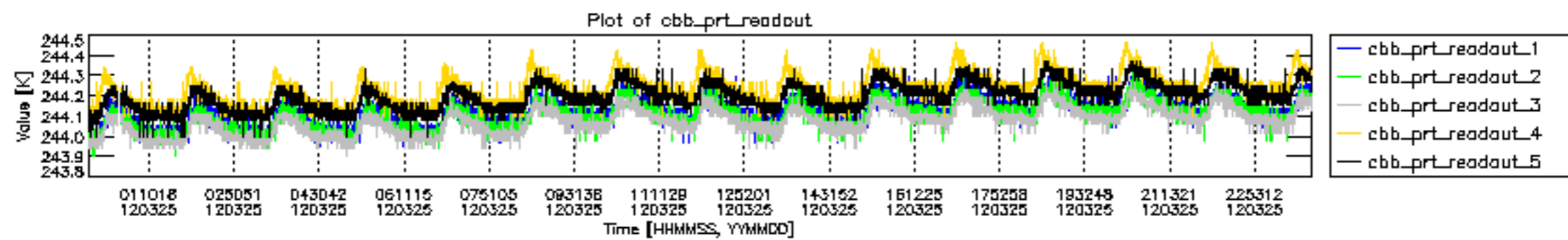


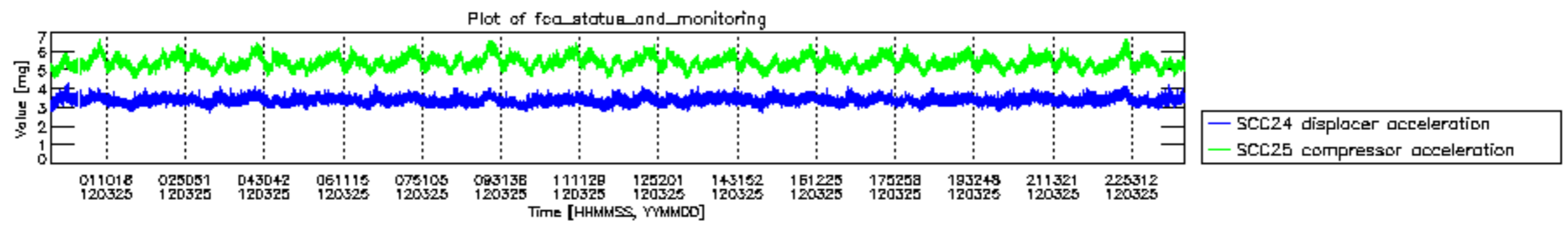












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

