

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	28MAR2012 05:24:31
Data source version	KSPT_L0/4504-N
Processing scope for products	23MAR2012 00:00:00 to 24MAR2012 00:00:00
Start time of first product within scope	23MAR2012 00:00:29
Stop time of last product within scope	24MAR2012 01:05:31
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__0PNPDE20120323_000029_000059913113_00030_52630_1275.N1	23MAR2012 00:00:29	23MAR2012 01:40:21	0	0	0	0	0
1	MIP_NL__0PNPDE20120323_013920_000043373113_00031_52631_1276.N1	23MAR2012 01:39:20	23MAR2012 02:51:37	0	0	0	0	0
2	MIP_NL__0PNPDE20120323_025103_000061443113_00032_52632_1277.N1	23MAR2012 02:51:03	23MAR2012 04:33:27	0	0	0	0	0
3	MIP_NL__0PNPDE20120323_043254_000060543113_00033_52633_1278.N1	23MAR2012 04:32:54	23MAR2012 06:13:48	0	0	0	0	0
4	MIP_NL__0PNPDK20120323_061314_000041263113_00034_52634_9007.N1	23MAR2012 06:13:14	23MAR2012 07:22:00	0	0	0	0	0
5	MIP_NL__0PNPDK20120323_072124_000061273113_00035_52635_9008.N1	23MAR2012 07:21:24	23MAR2012 09:03:31	0	0	0	0	0
6	MIP_NL__0PNPDK20120323_090258_000059643113_00036_52636_9009.N1	23MAR2012 09:02:58	23MAR2012 10:42:22	0	0	0	0	0
7	MIP_NL__0PNPDK20120323_104138_000059733113_00037_52637_9010.N1	23MAR2012 10:41:38	23MAR2012 12:21:11	0	0	0	0	0
8	MIP_NL__0PNPDK20120323_122025_000059223113_00038_52638_9011.N1	23MAR2012 12:20:25	23MAR2012 13:59:07	0	0	0	0	0
9	MIP_NL__0PNPDK20120323_135811_000059643113_00039_52639_9012.N1	23MAR2012 13:58:11	23MAR2012 15:37:35	0	0	0	0	0
10	MIP_NL__0PNPDK20120323_153638_000057953113_00040_52640_9013.N1	23MAR2012 15:36:38	23MAR2012 17:13:13	0	0	0	0	0
11	MIP_NL__0PNPDK20120323_171215_000059933113_00041_52641_9014.N1	23MAR2012 17:12:15	23MAR2012 18:52:08	1	1	0	0	0
12	MIP_NL__0PNPDK20120323_185108_000060313113_00042_52642_9015.N1	23MAR2012 18:51:08	23MAR2012 20:31:39	0	0	0	0	0
13	MIP_NL__0PNPDE20120323_202950_000043663113_00043_52643_1279.N1	23MAR2012 20:29:50	23MAR2012 21:42:36	0	0	0	0	0
14	MIP_NL__0PNPDE20120323_214134_000062133113_00043_52643_1280.N1	23MAR2012 21:41:34	23MAR2012 23:25:06	0	0	0	0	0
15	MIP_NL__0PNPDE20120323_232402_000060903113_00044_52644_1281.N1	23MAR2012 23:24:02	24MAR2012 01:05:31	0	0	0	0	0

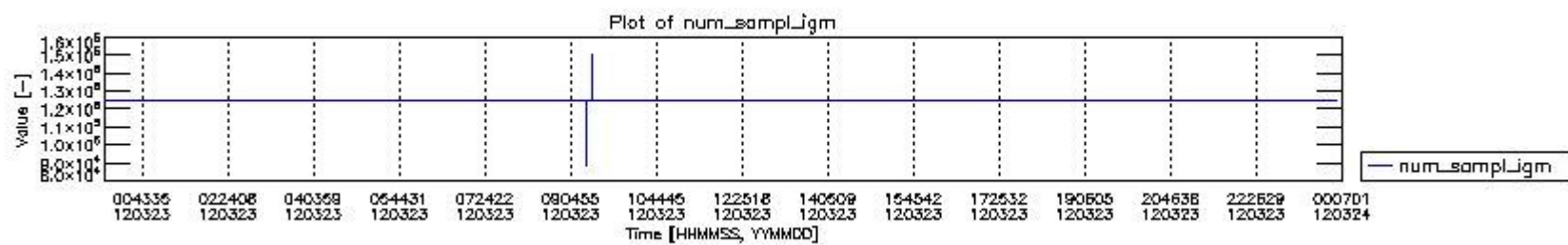
0.2 Instrument Operational Performance Parameters

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.

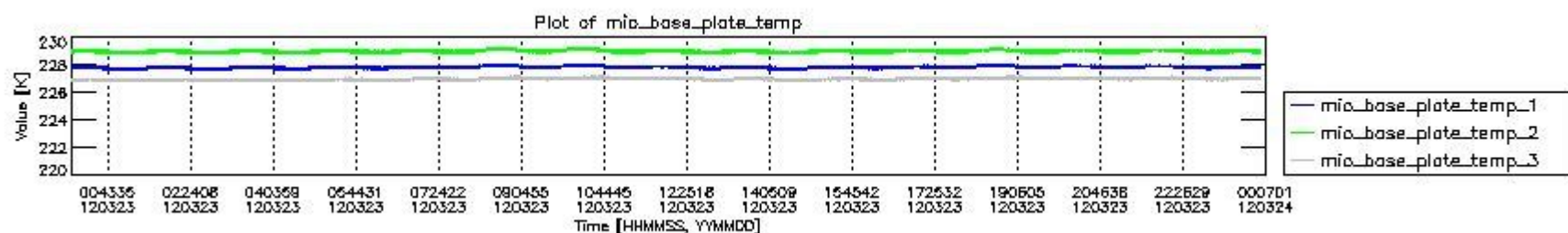
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
88392	1	0.0024056388
96530	1	0.0024056388

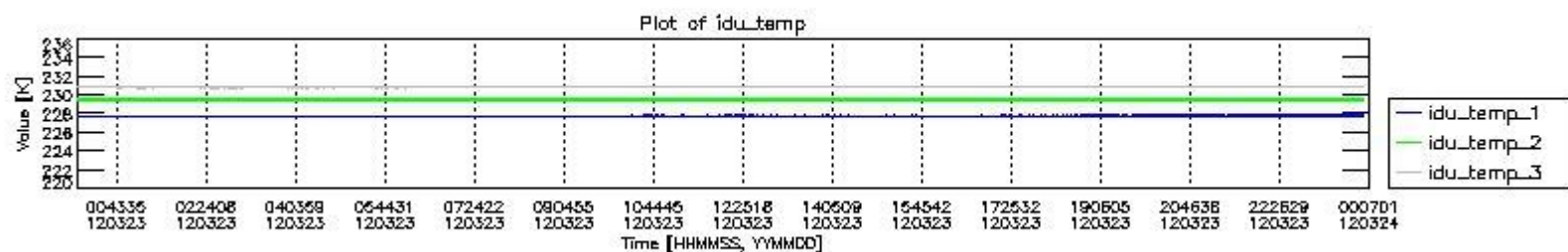
116662	1	0.0024056388
124800	38613	92.888932
124803	2950	7.0966345
127531	1	0.0024056388
147663	1	0.0024056388
150394	1	0.0024056388



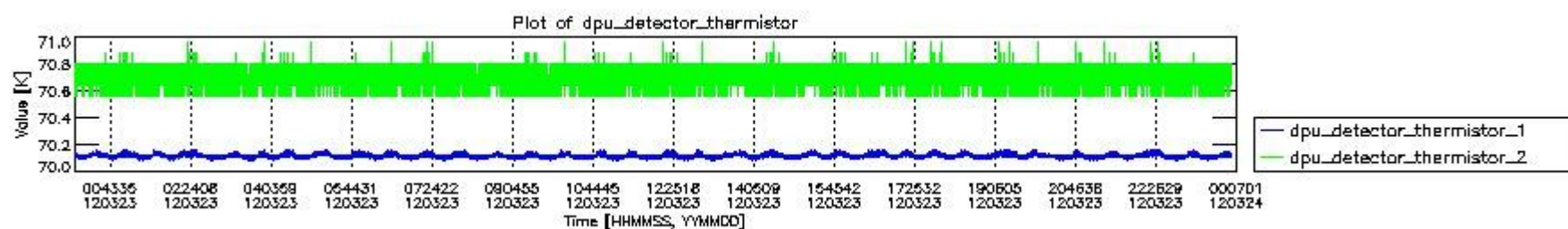
mipas_daily_report_level0_KSPT_L0_4504_N_20120323_0.PNG



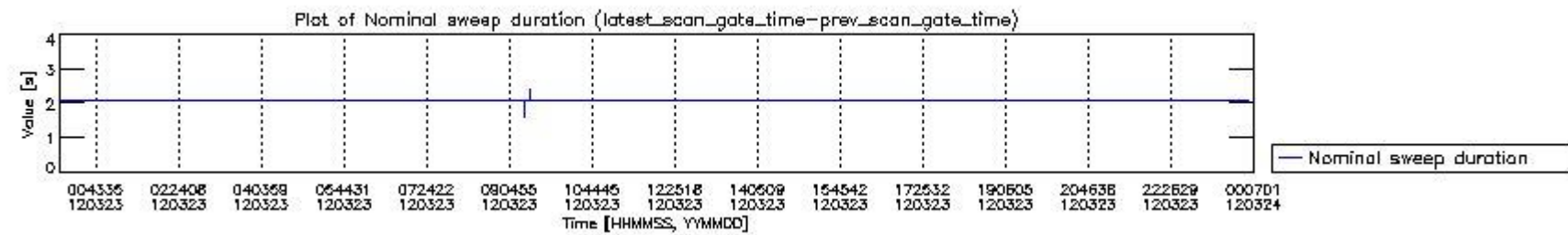
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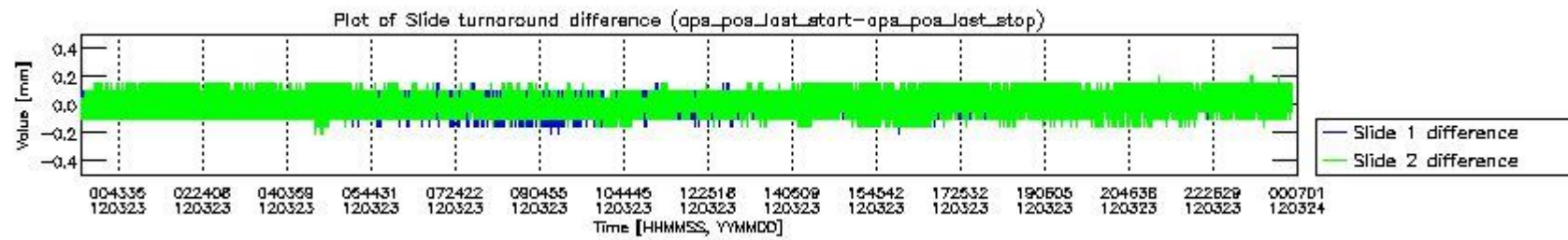
mipas_daily_report_level0_KSPT_L0_4504_N_20120323_2.PNG



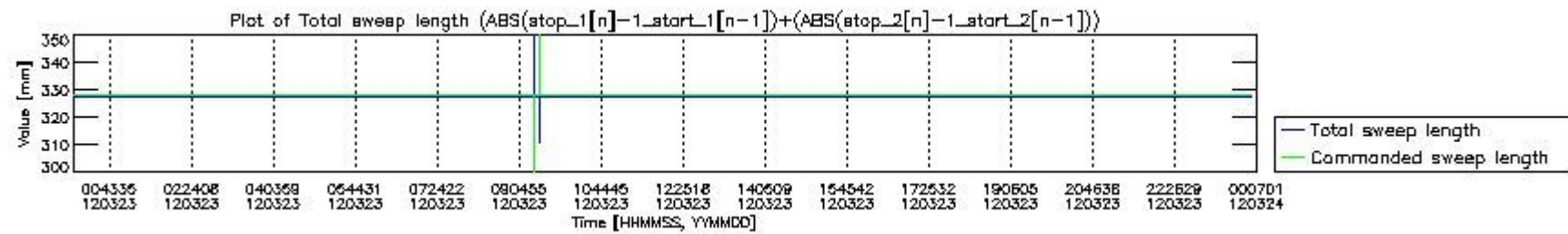
mipas_daily_report_level0_KSPT_L0_4504_N_20120323_3.PNG



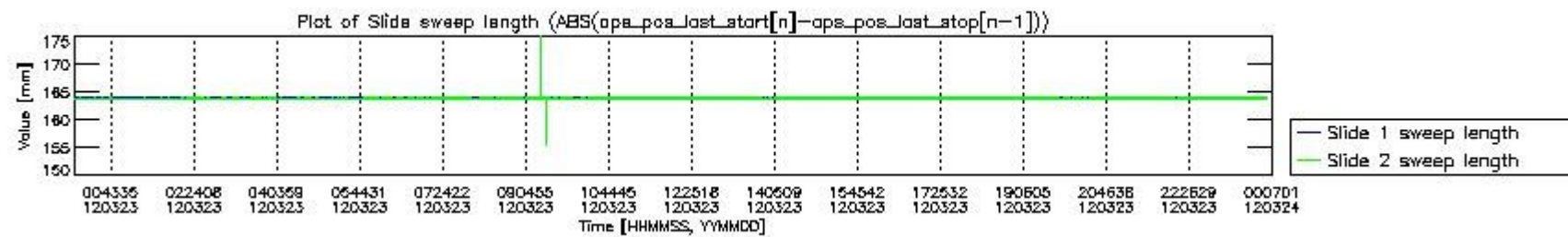
mipas_daily_report_level0_KSPT_L0_4504_N_20120323_4.PNG



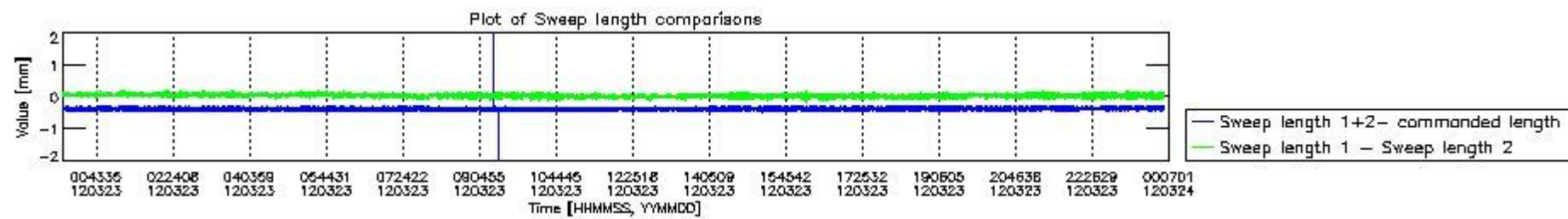
mipas_daily_report_level0_KSPT_L0_4504_N_20120323_5.PNG



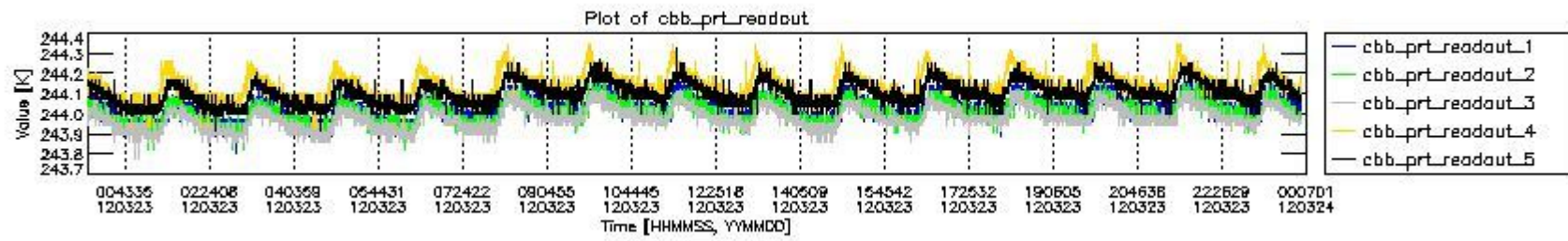
mipas_daily_report_level0_KSPT_L0_4504_N_20120323_6.PNG



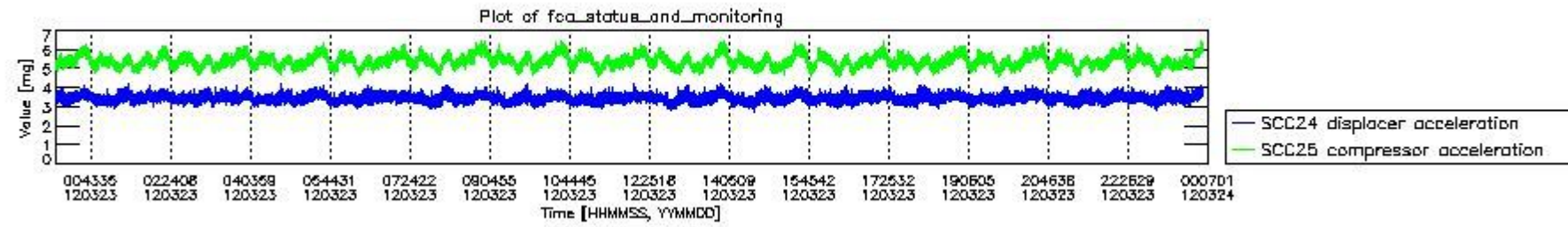
mipas_daily_report_level0_KSPT_L0_4504_N_20120323_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120323_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120323_9.PNG

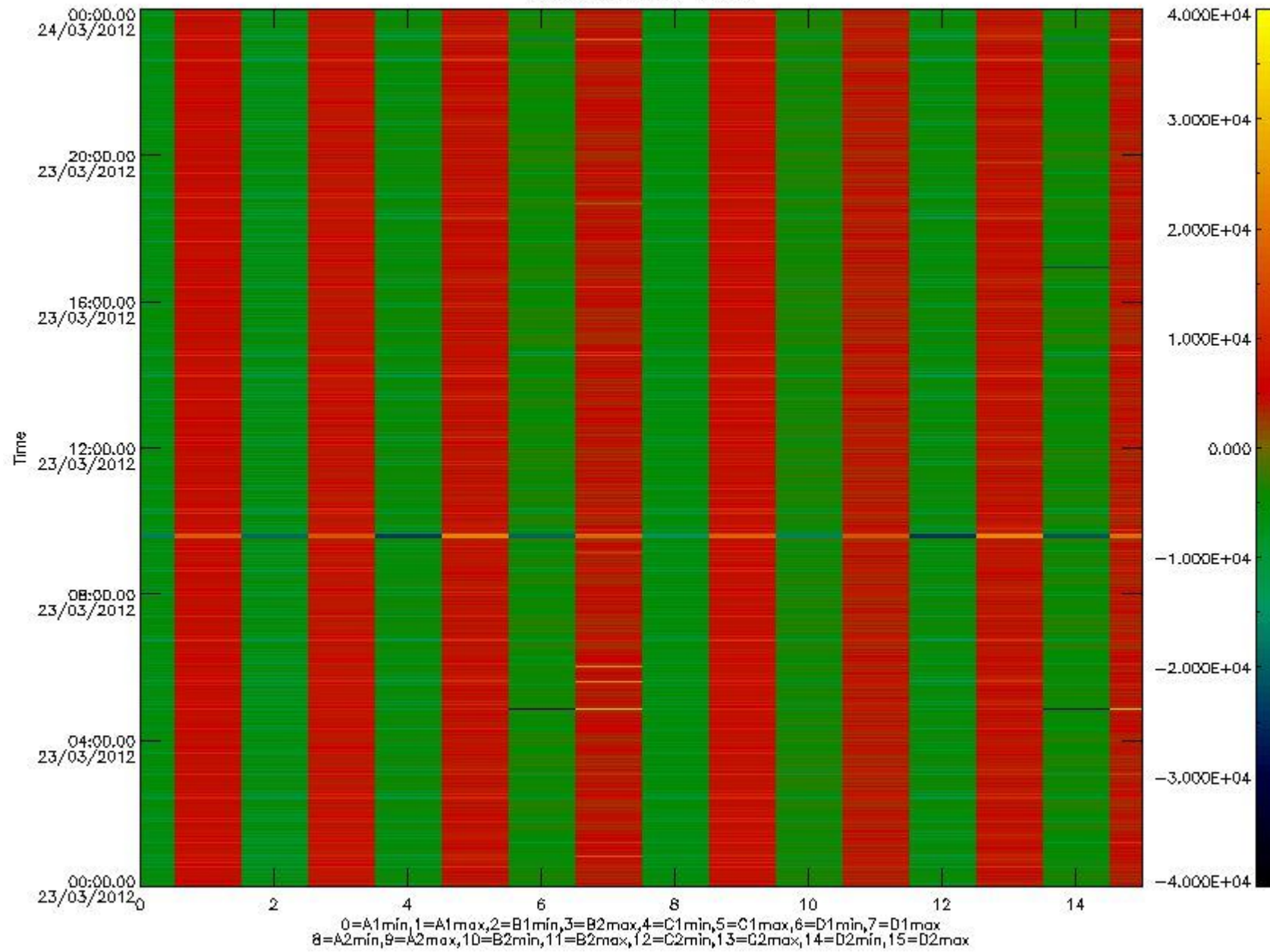


mipas_daily_report_level0_KSPT_L0_4504_N_20120323_10.PNG

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

Channel	Min	Max	ADC
A1	-17538	18479	16bit
B1	-19842	17151	16bit
C1	-24045	23964	16bit
D1	-32768	32767	16bit
A2	-15322	18751	16bit
B2	-17594	17365	16bit
C2	-25058	25127	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_20120323_11.PNG

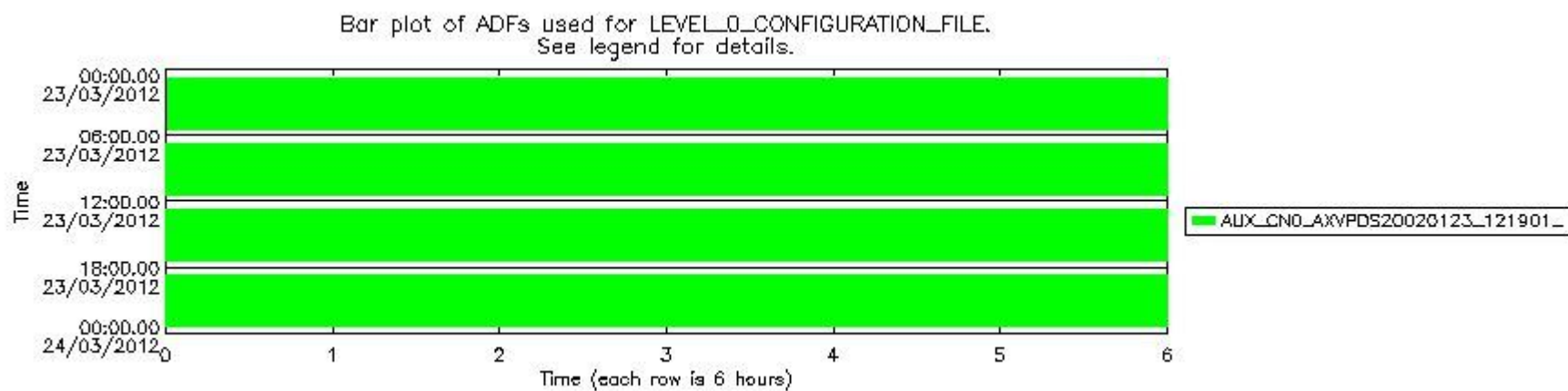
0.3 ADF monitoring

The use of ADFs is shown in two ways:

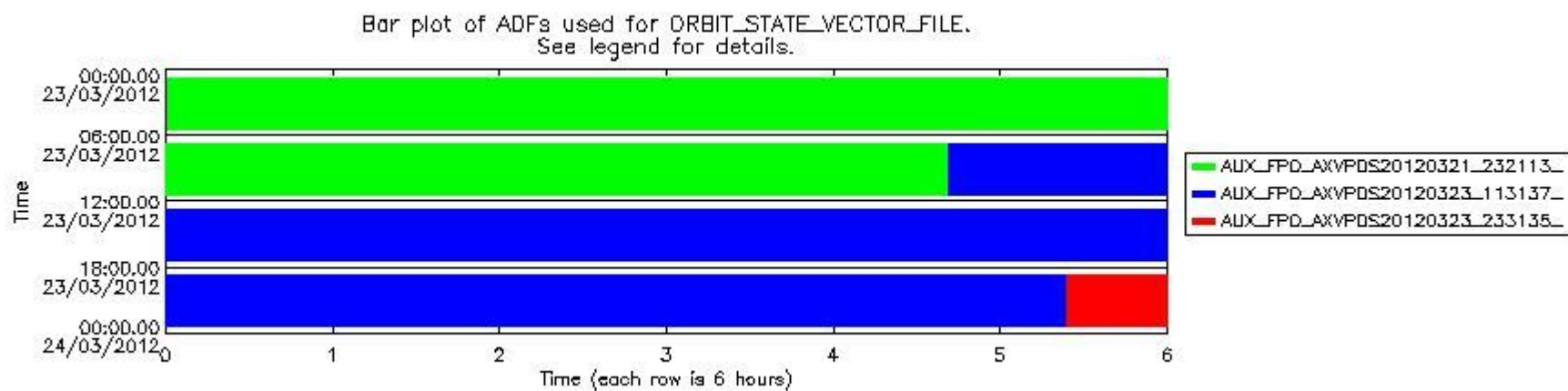
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120321_232113_20120321_194739_20120331_202105
2	AUX_FPO_AXVPDS20120323_113137_20120322_191054_20120401_212434
3	AUX_FPO_AXVPDS20120323_233135_20120323_183409_20120402_204749

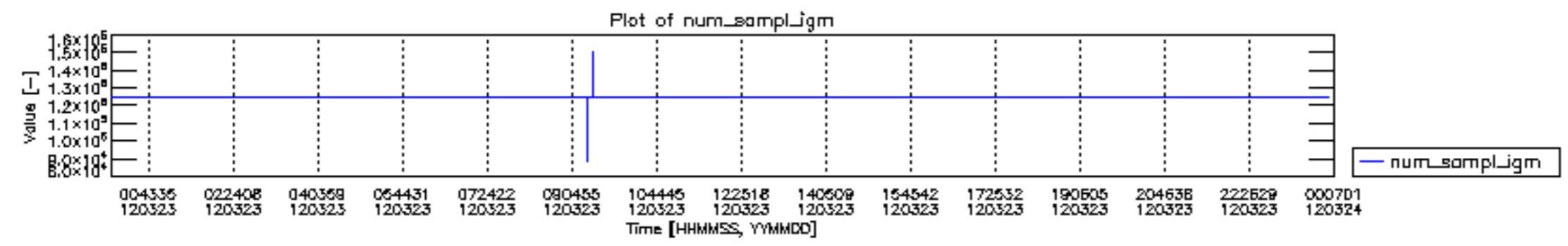
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120323_000029_000059913113_00030_52630_1275.N1	0	1
1	MIP_NL__0PNPDE20120323_013920_000043373113_00031_52631_1276.N1	0	1
2	MIP_NL__0PNPDE20120323_025103_000061443113_00032_52632_1277.N1	0	1
3	MIP_NL__0PNPDE20120323_043254_000060543113_00033_52633_1278.N1	0	1
4	MIP_NL__0PNPDK20120323_061314_000041263113_00034_52634_9007.N1	0	1
5	MIP_NL__0PNPDK20120323_072124_000061273113_00035_52635_9008.N1	0	1
6	MIP_NL__0PNPDK20120323_090258_000059643113_00036_52636_9009.N1	0	1
7	MIP_NL__0PNPDK20120323_104138_000059733113_00037_52637_9010.N1	0	2
8	MIP_NL__0PNPDK20120323_122025_000059223113_00038_52638_9011.N1	0	2
9	MIP_NL__0PNPDK20120323_135811_000059643113_00039_52639_9012.N1	0	2
10	MIP_NL__0PNPDK20120323_153638_000057953113_00040_52640_9013.N1	0	2
11	MIP_NL__0PNPDK20120323_171215_000059933113_00041_52641_9014.N1	0	2
12	MIP_NL__0PNPDK20120323_185108_000060313113_00042_52642_9015.N1	0	2
13	MIP_NL__0PNPDE20120323_202950_000043663113_00043_52643_1279.N1	0	2
14	MIP_NL__0PNPDE20120323_214134_000062133113_00043_52643_1280.N1	0	2
15	MIP_NL__0PNPDE20120323_232402_000060903113_00044_52644_1281.N1	0	3

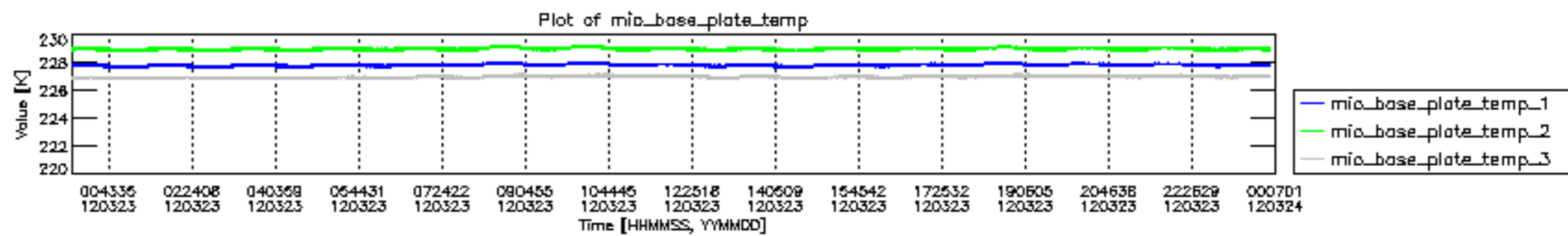


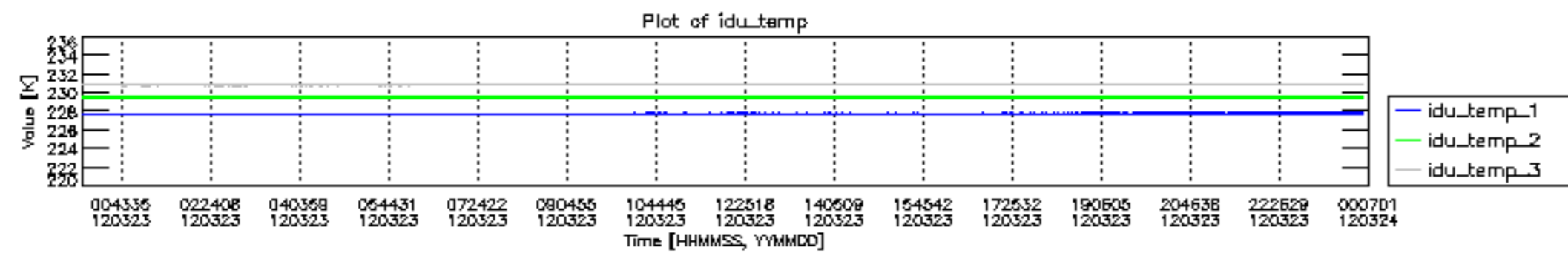
mipas_daily_report_level0_KSPT_L0_4504_N_20120323_12.PNG

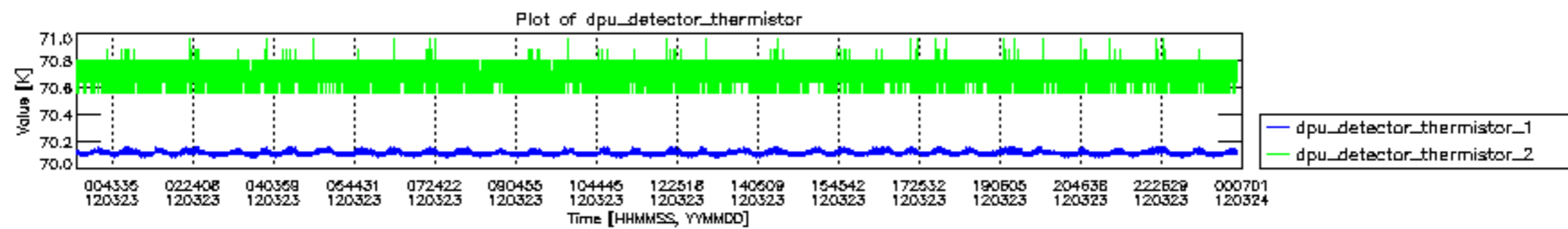


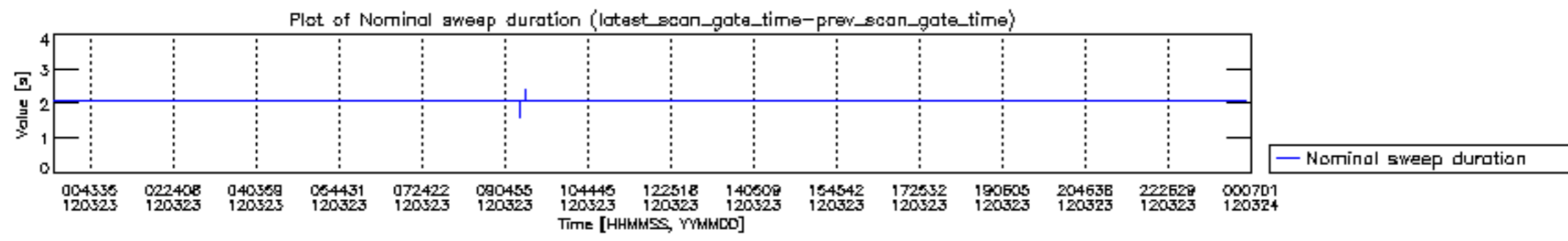
mipas_daily_report_level0_KSPT_L0_4504_N_20120323_13.PNG

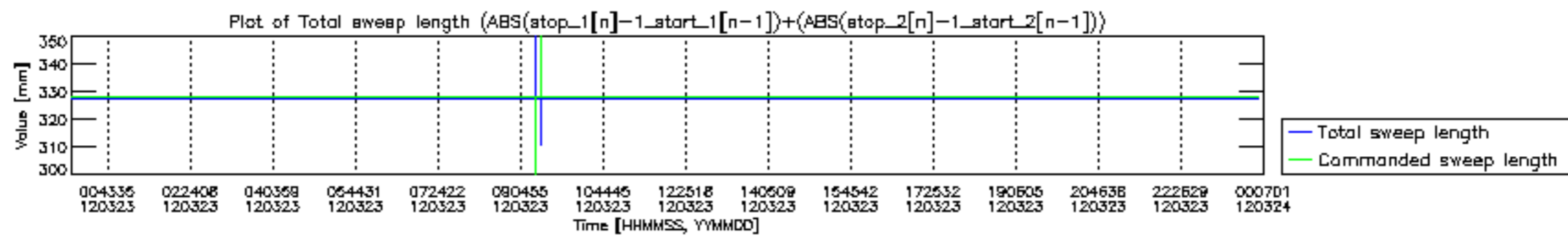


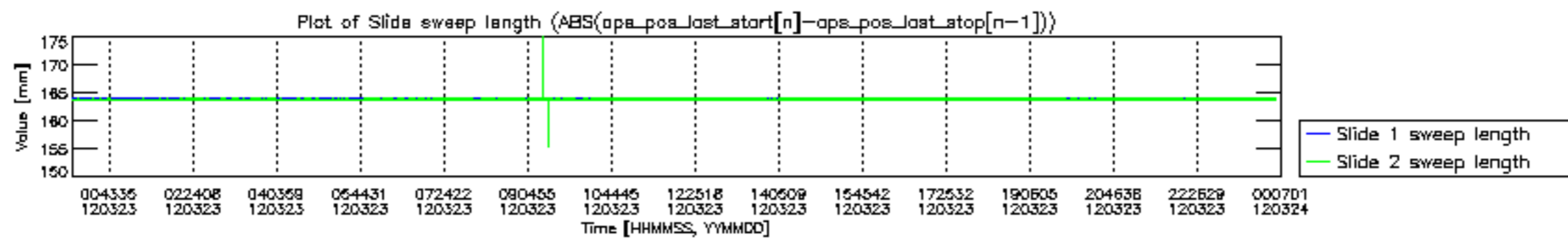


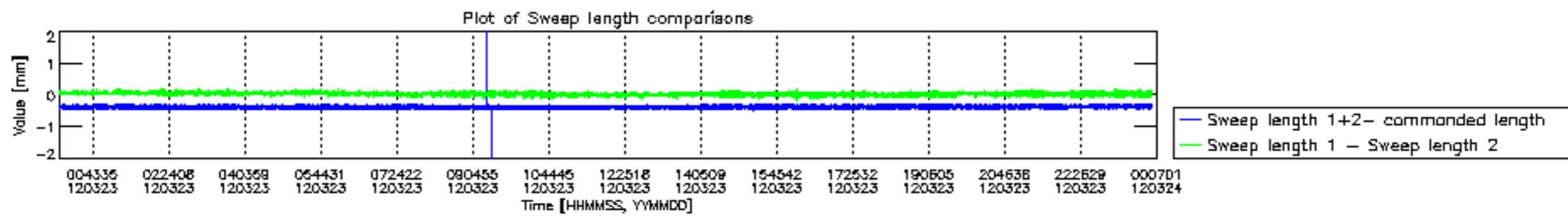


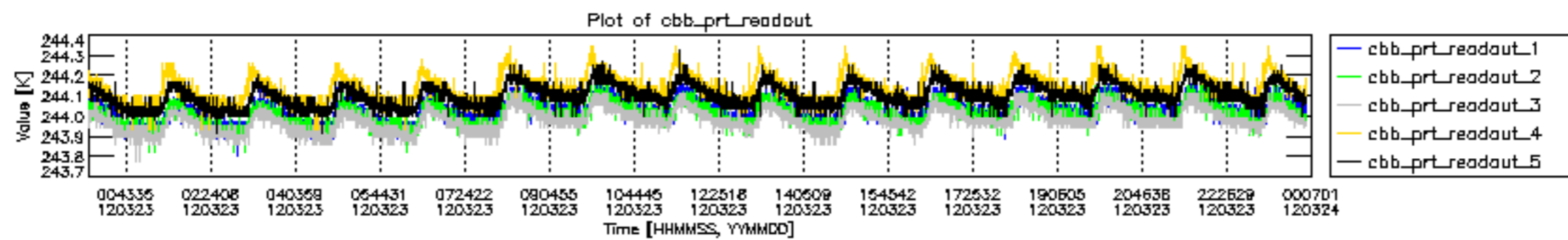


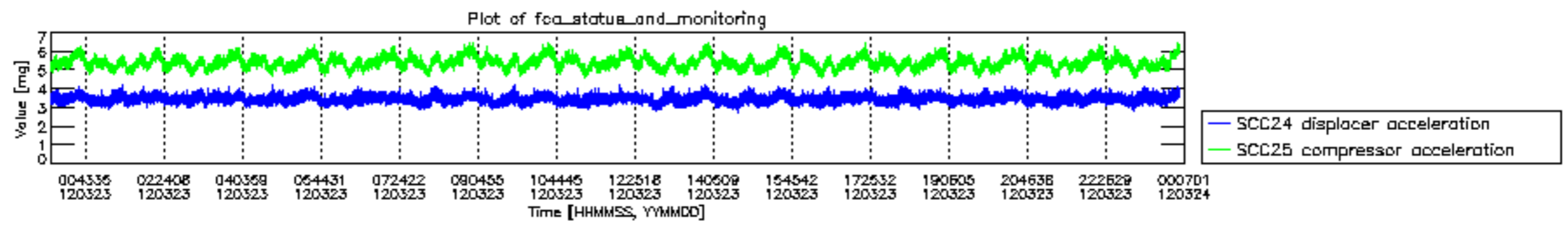












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

