

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	08FEB2011 16:01:36
Data source version	KSPT_L0/4504-N
Processing scope for products	03FEB2011 00:00:00 to 04FEB2011 00:00:00
Start time of first product within scope	03FEB2011 01:13:56
Stop time of last product within scope	04FEB2011 00:39:11
Total number of level 0 products	14
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__0PNPDE20110203_011356_000103643099_00117_46683_2844.N1	03FEB2011 01:13:56	03FEB2011 04:06:40	0	0	0	0	0
1	MIP_NL__0PNPDE20110203_040607_000062253099_00119_46685_2845.N1	03FEB2011 04:06:07	03FEB2011 05:49:52	0	0	0	0	0
2	MIP_NL__0PNPDE20110203_054917_000061843099_00120_46686_2846.N1	03FEB2011 05:49:17	03FEB2011 07:32:20	0	0	0	0	0
3	MIP_NL__0PNPDK20110203_073147_000037443099_00121_46687_4192.N1	03FEB2011 07:31:47	03FEB2011 08:34:10	0	0	0	0	0
4	MIP_NL__0PNPDK20110203_083303_000062703099_00122_46688_4193.N1	03FEB2011 08:33:03	03FEB2011 10:17:33	0	0	0	0	0
5	MIP_NL__0PNPDK20110203_101555_000060623099_00123_46689_4194.N1	03FEB2011 10:15:55	03FEB2011 11:56:57	0	0	0	0	0
6	MIP_NL__0PNPDK20110203_115515_000060373099_00124_46690_4195.N1	03FEB2011 11:55:15	03FEB2011 13:35:53	0	0	0	0	0
7	MIP_NL__0PNPDK20110203_133410_000059853099_00125_46691_4198.N1	03FEB2011 13:34:10	03FEB2011 15:13:55	0	0	0	0	0
8	MIP_NL__0PNPDK20110203_151251_000059083099_00126_46692_4199.N1	03FEB2011 15:12:51	03FEB2011 16:51:18	0	0	0	0	0
9	MIP_NL__0PNPDK20110203_165032_000058913099_00127_46693_4200.N1	03FEB2011 16:50:32	03FEB2011 18:28:44	0	0	0	0	0
10	MIP_NL__0PNPDK20110203_182747_000058743099_00128_46694_4201.N1	03FEB2011 18:27:47	03FEB2011 20:05:42	0	0	0	0	0
11	MIP_NL__0PNPDE20110203_200357_000044313099_00129_46695_2847.N1	03FEB2011 20:03:57	03FEB2011 21:17:48	0	0	0	0	0
12	MIP_NL__0PNPDE20110203_211547_000062133099_00129_46695_2848.N1	03FEB2011 21:15:47	03FEB2011 22:59:20	0	0	0	0	0
13	MIP_NL__0PNPDE20110203_225817_000060543099_00130_46696_2849.N1	03FEB2011 22:58:17	04FEB2011 00:39:11	0	0	0	0	0

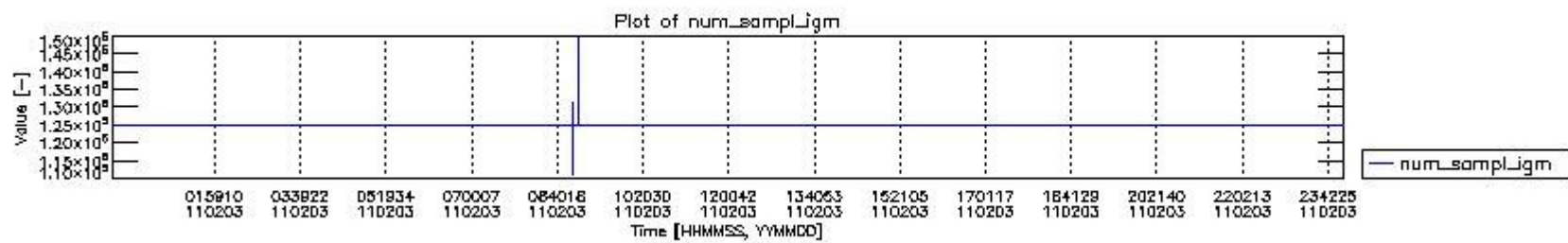
0.2 Instrument Operational Performance Parameters

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.

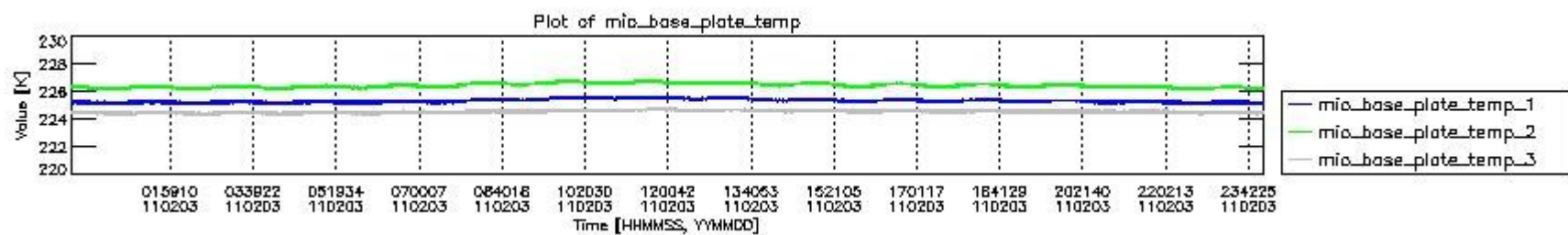
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
111324	1	0.0023970468
117980	1	0.0023970468
124800	38750	92.885565
124803	2962	7.1000527

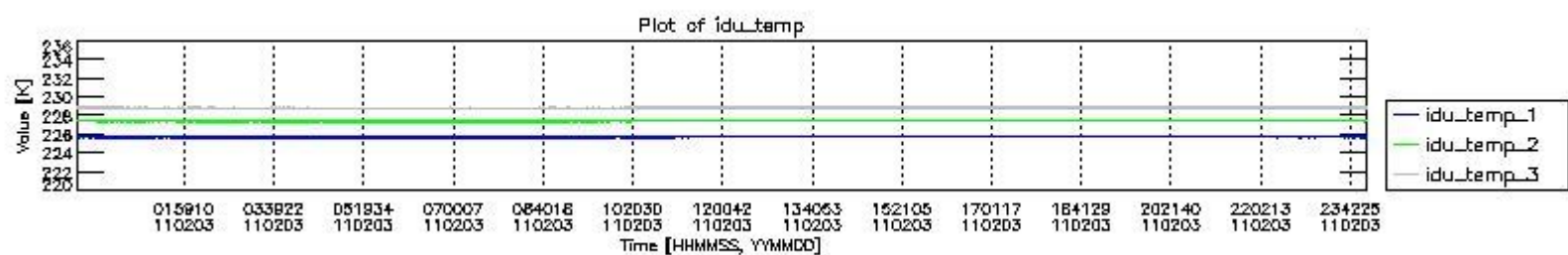
127233	1	0.0023970468
131456	1	0.0023970468
147365	1	0.0023970468
149798	1	0.0023970468



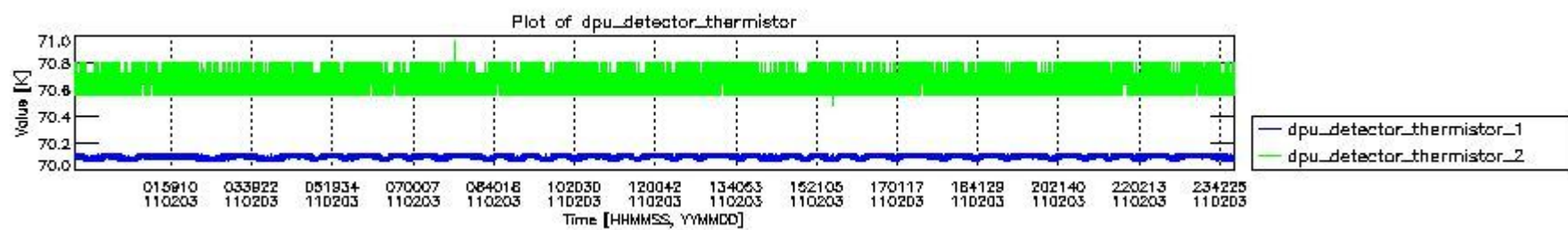
mipas_daily_report_level0_KSPT_L0_4504_N_20110203_0.PNG



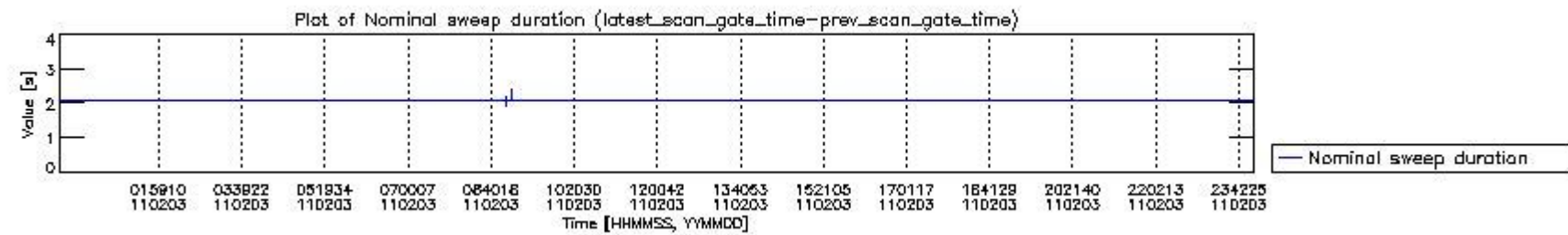
mipas_daily_report_level0_KSPT_L0_4504_N_20110203_1.PNG



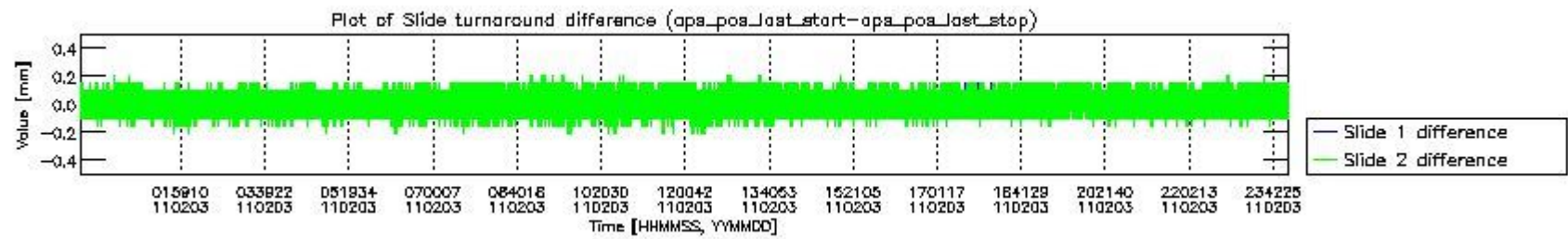
mipas_daily_report_level0_KSPT_L0_4504_N_20110203_2.PNG



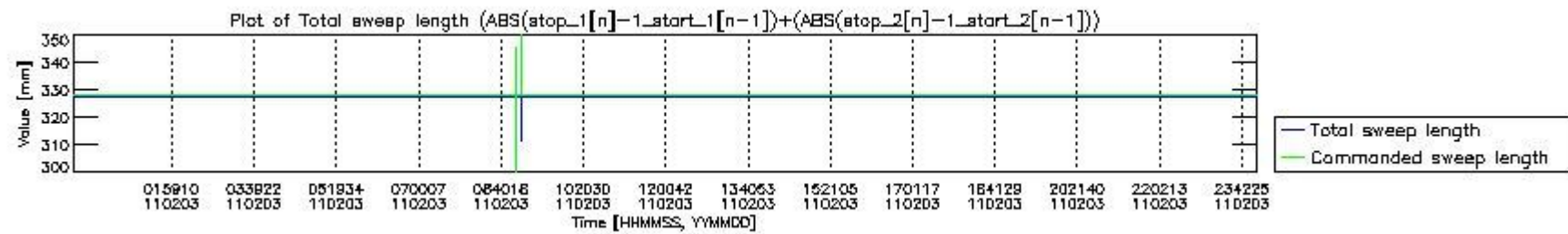
mipas_daily_report_level0_KSPT_L0_4504_N_20110203_3.PNG



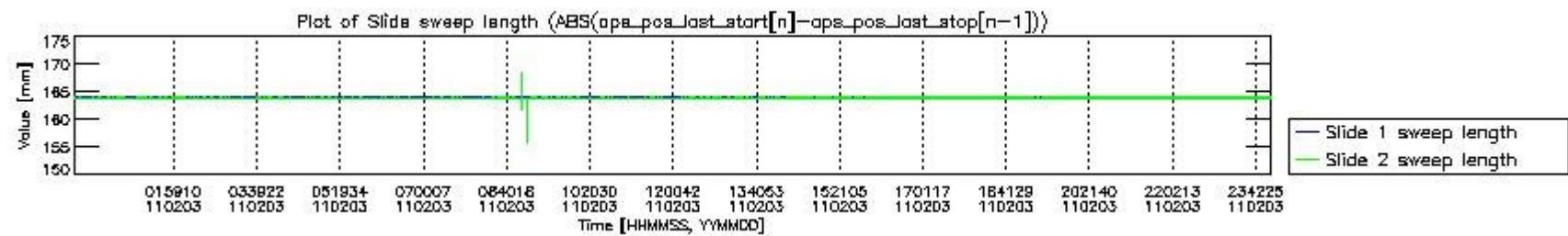
mipas_daily_report_level0_KSPT_L0_4504_N_20110203_4.PNG



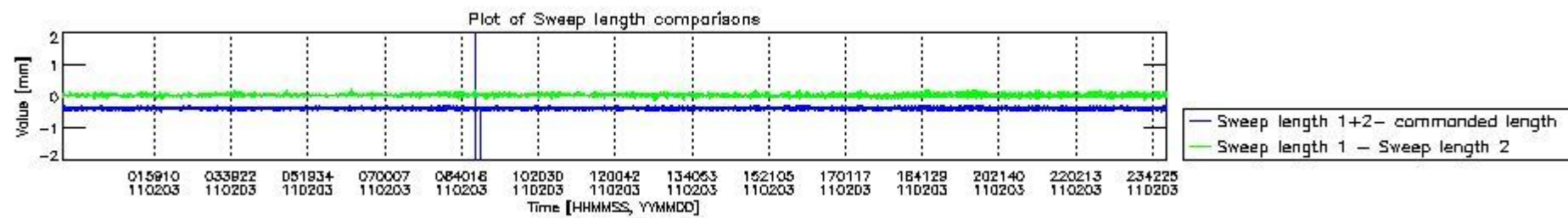
mipas_daily_report_level0_KSPT_L0_4504_N_20110203_5.PNG



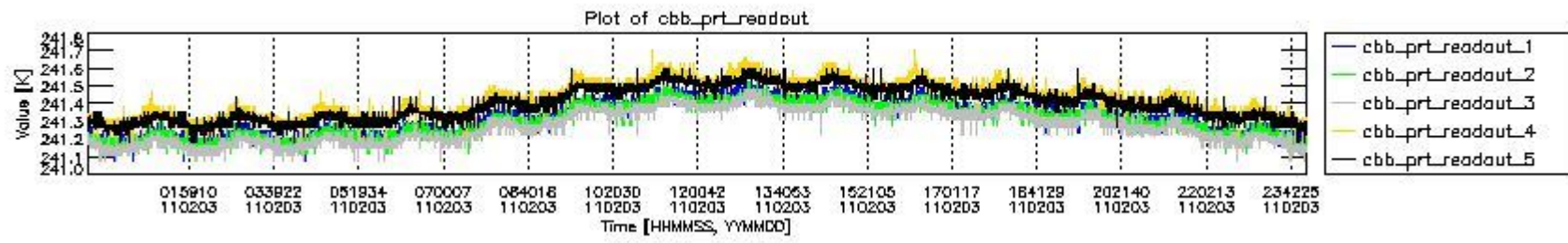
mipas_daily_report_level0_KSPT_L0_4504_N_20110203_6.PNG



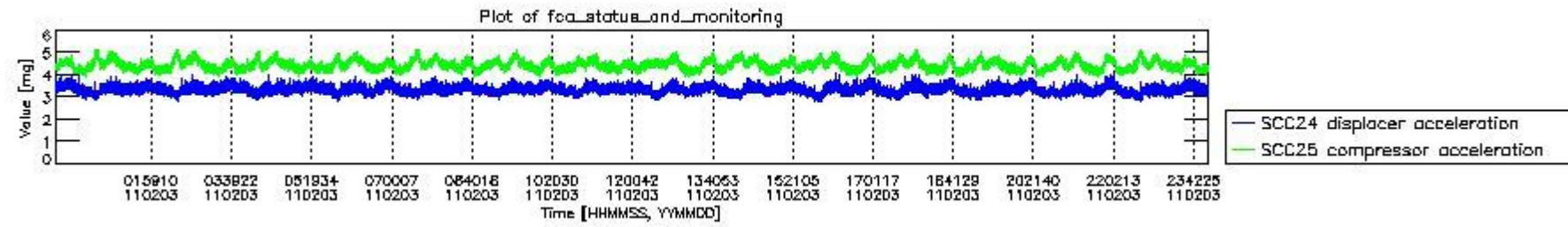
mipas_daily_report_level0_KSPT_L0_4504_N_20110203_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110203_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110203_9.PNG

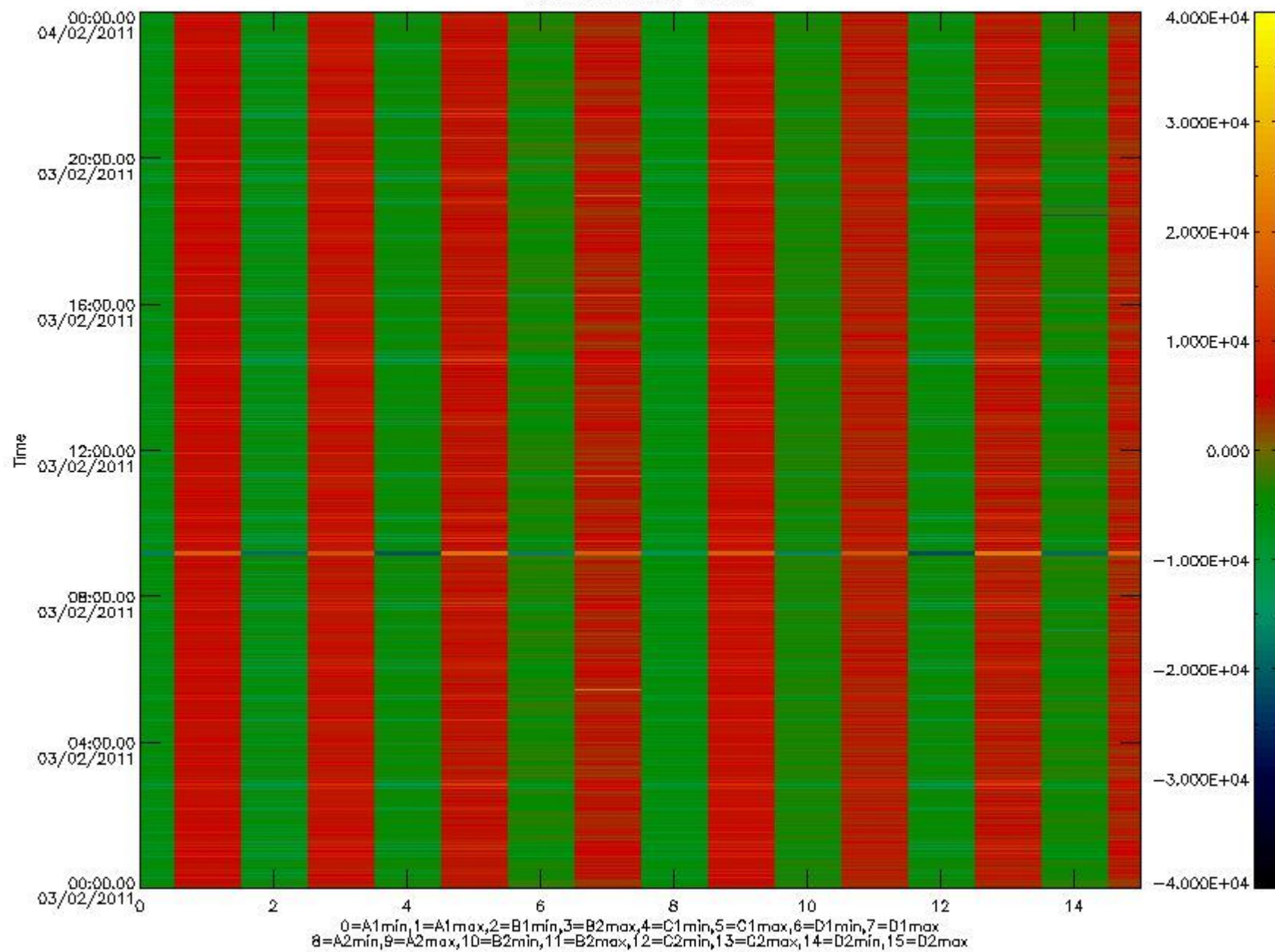


mipas_daily_report_level0_KSPT_L0_4504_N_20110203_10.PNG

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

Channel	Min	Max	ADC
A1	-17453	18486	16bit
B1	-18754	16315	16bit
C1	-23817	21621	16bit
D1	-26556	32767	16bit
A2	-15154	18569	16bit
B2	-16770	16501	16bit
C2	-22740	22217	16bit
D2	-32768	29783	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110203_11.PNG

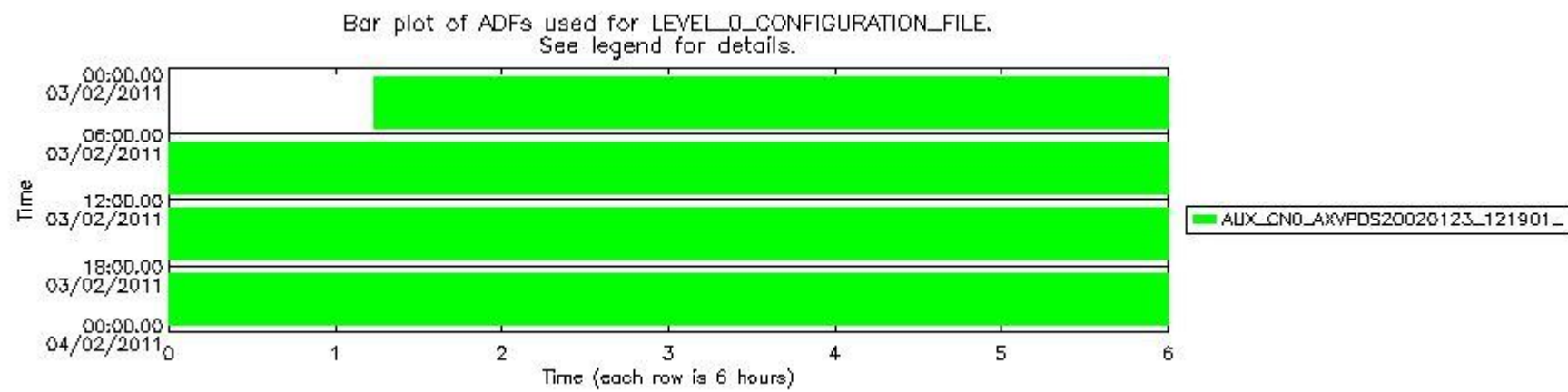
0.3 ADF monitoring

The use of ADFs is shown in two ways:

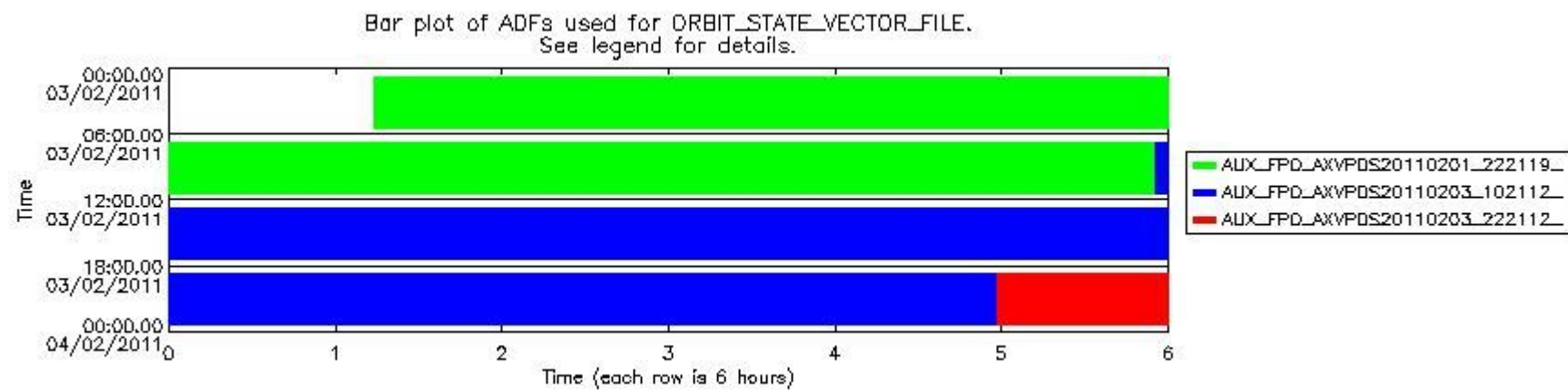
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110201_222119_20110201_192304_20110211_213655
2	AUX_FPO_AXVPDS20110203_102112_20110202_184620_20110212_210011
3	AUX_FPO_AXVPDS20110203_222112_20110203_194950_20110213_202327

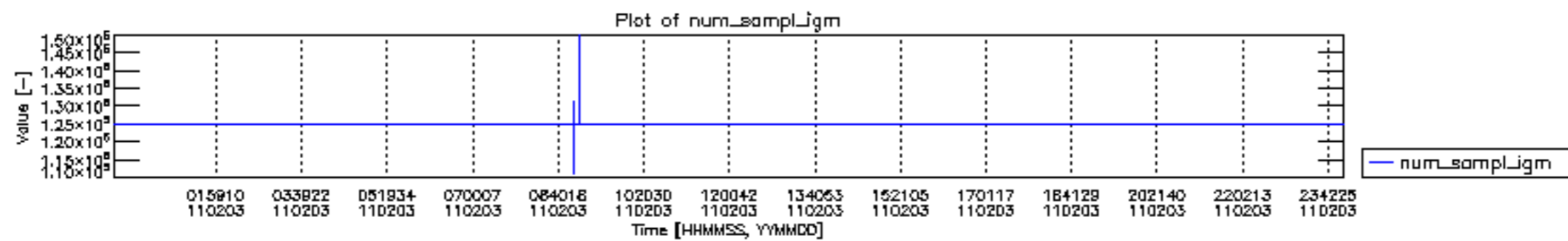
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110203_011356_000103643099_00117_46683_2844.N1	0	1
1	MIP_NL__0PNPDE20110203_040607_000062253099_00119_46685_2845.N1	0	1
2	MIP_NL__0PNPDE20110203_054917_000061843099_00120_46686_2846.N1	0	1
3	MIP_NL__0PNPDK20110203_073147_000037443099_00121_46687_4192.N1	0	1
4	MIP_NL__0PNPDK20110203_083303_000062703099_00122_46688_4193.N1	0	1
5	MIP_NL__0PNPDK20110203_101555_000060623099_00123_46689_4194.N1	0	1
6	MIP_NL__0PNPDK20110203_115515_000060373099_00124_46690_4195.N1	0	2
7	MIP_NL__0PNPDK20110203_133410_000059853099_00125_46691_4198.N1	0	2
8	MIP_NL__0PNPDK20110203_151251_000059083099_00126_46692_4199.N1	0	2
9	MIP_NL__0PNPDK20110203_165032_000058913099_00127_46693_4200.N1	0	2
10	MIP_NL__0PNPDK20110203_182747_000058743099_00128_46694_4201.N1	0	2
11	MIP_NL__0PNPDE20110203_200357_000044313099_00129_46695_2847.N1	0	2
12	MIP_NL__0PNPDE20110203_211547_000062133099_00129_46695_2848.N1	0	2
13	MIP_NL__0PNPDE20110203_225817_000060543099_00130_46696_2849.N1	0	3

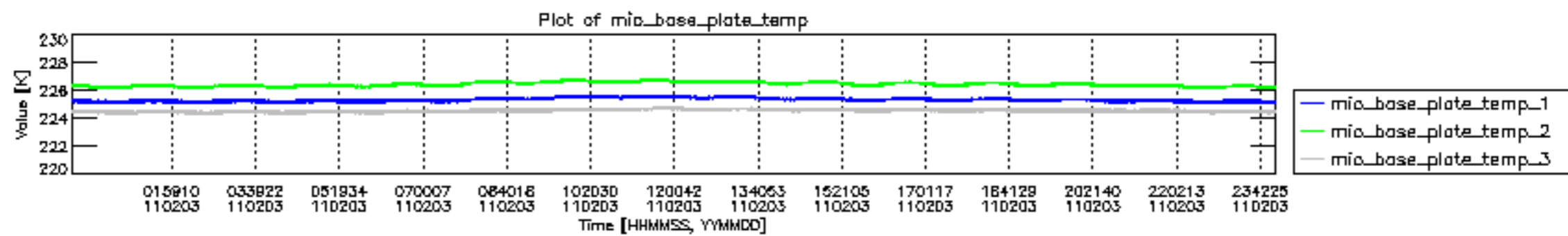


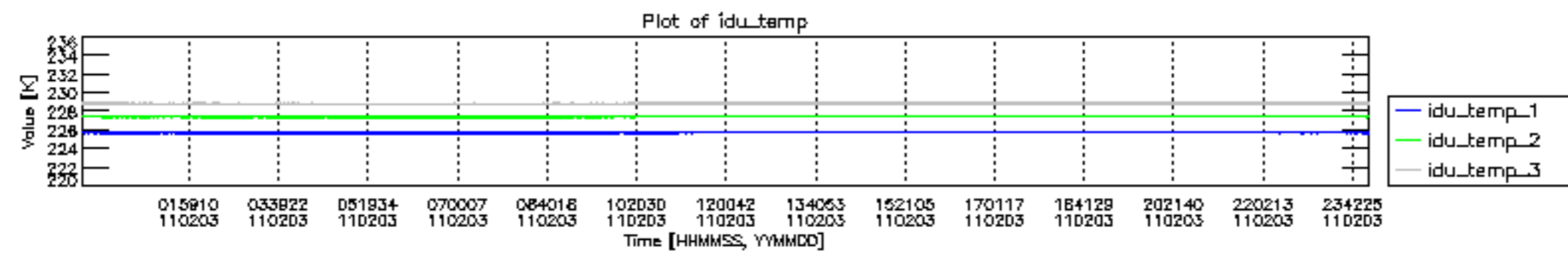
mipas_daily_report_level0_KSPT_L0_4504_N_20110203_12.PNG

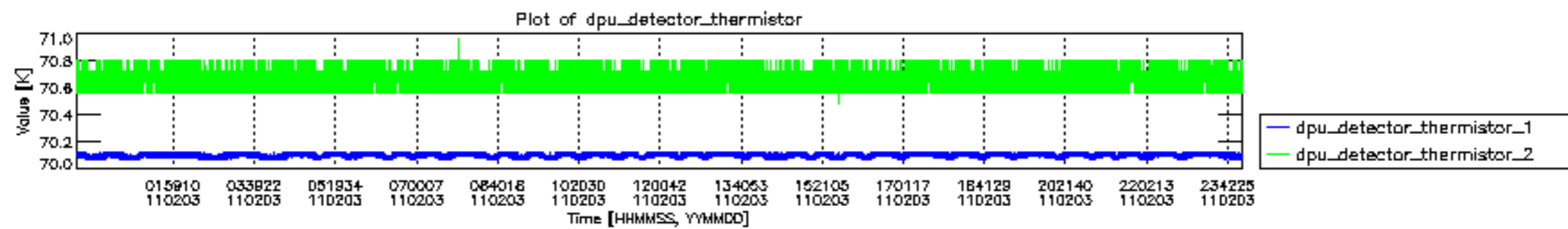


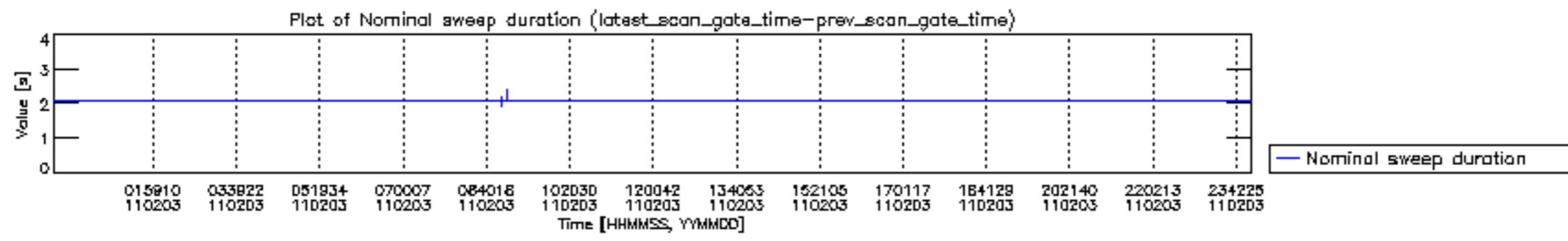
mipas_daily_report_level0_KSPT_L0_4504_N_20110203_13.PNG

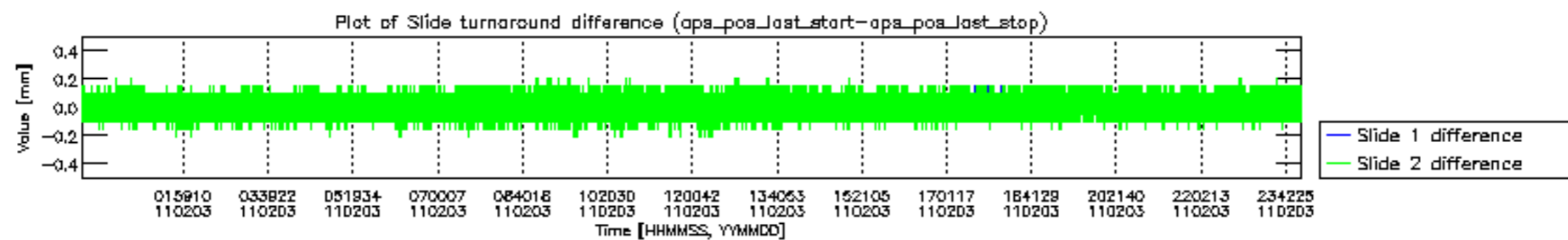


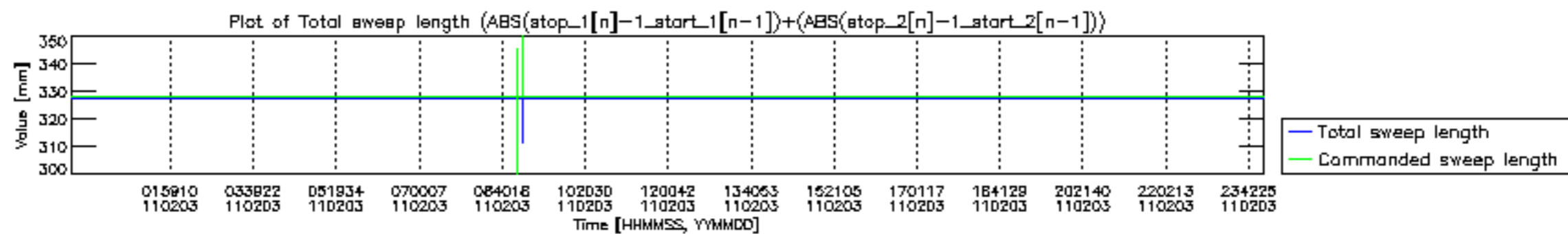


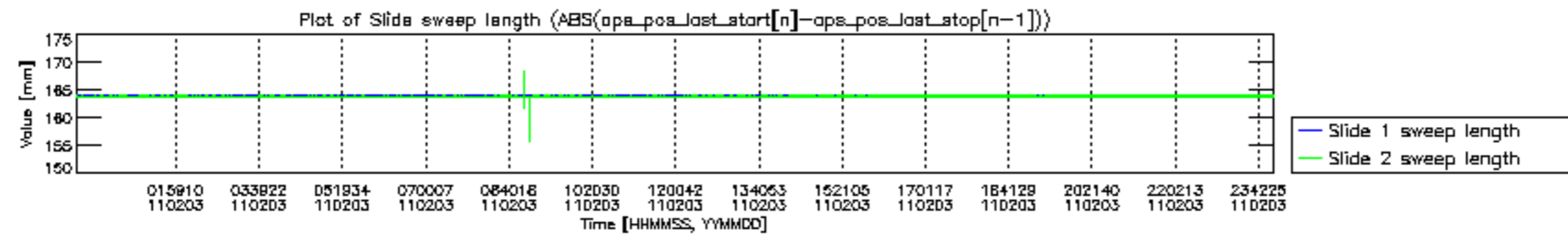


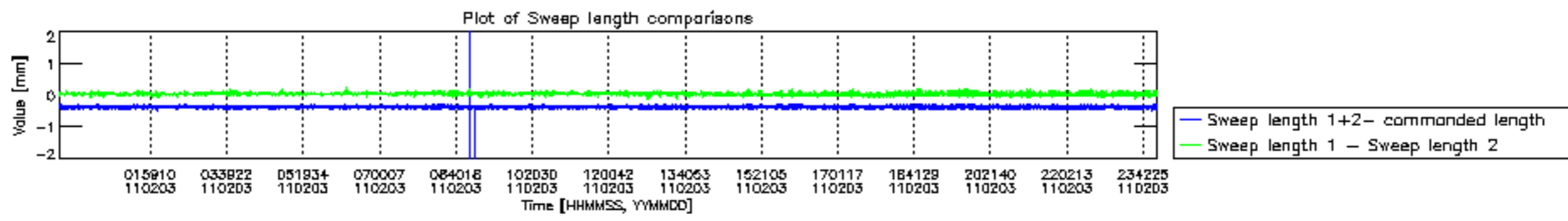


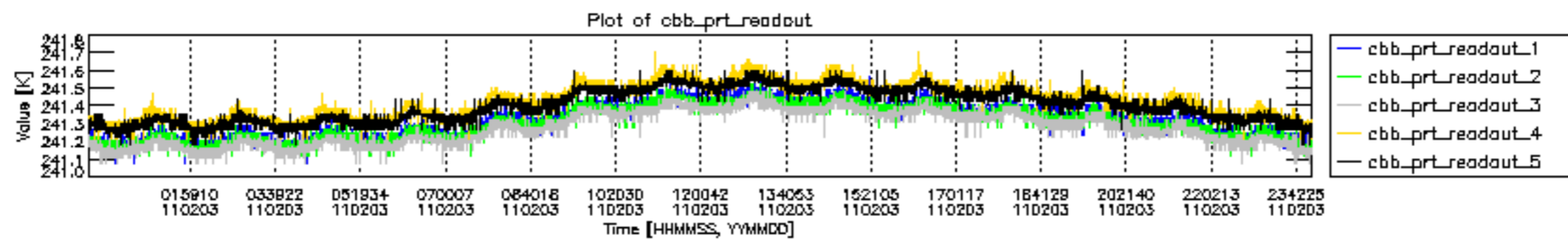


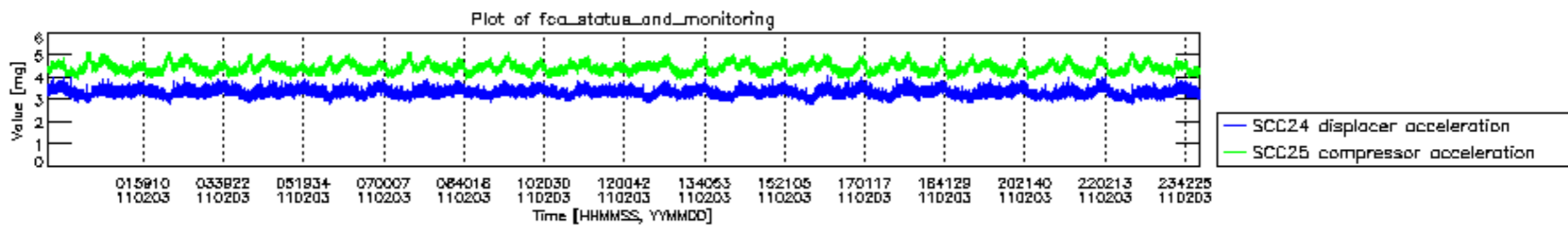






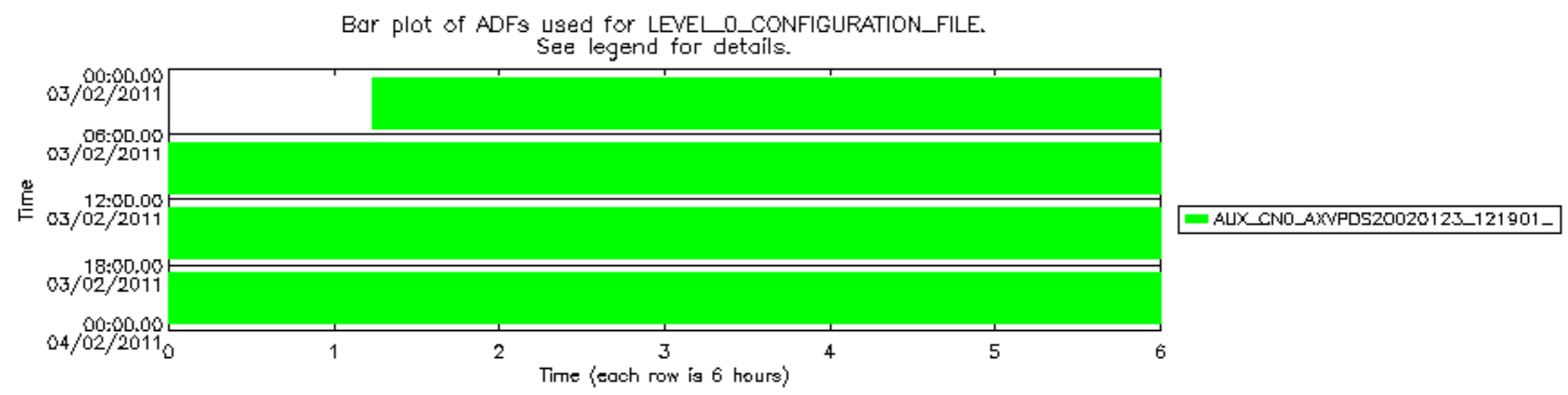






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

