

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	30NOV2011 05:24:03
Data source version	KSPT_L0/4504-N
Processing scope for products	25NOV2011 00:00:00 to 26NOV2011 00:00:00
Start time of first product within scope	25NOV2011 01:02:02
Stop time of last product within scope	26NOV2011 00:26:39
Total number of level 0 products	17
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__0PNPDE20111125_010202_000009673109_00045_50921_4908.N1	25NOV2011 01:02:02	25NOV2011 01:18:09	1	1	0	0	0
1	MIP_NL__0PNPDE20111125_011449_000094753109_00046_50922_4907.N1	25NOV2011 01:14:49	25NOV2011 03:52:44	0	0	0	0	0
2	MIP_NL__0PNPDE20111125_012232_000013623109_00046_50922_4909.N1	25NOV2011 01:22:32	25NOV2011 01:45:14	0	0	0	0	0
3	MIP_NL__0PNPDE20111125_014516_000076483109_00046_50922_4910.N1	25NOV2011 01:45:16	25NOV2011 03:52:44	0	0	0	0	0
4	MIP_NL__0PNPDE20111125_035210_000063073109_00047_50923_4911.N1	25NOV2011 03:52:10	25NOV2011 05:37:17	0	0	0	0	0
5	MIP_NL__0PNPDE20111125_053644_000059503109_00048_50924_4912.N1	25NOV2011 05:36:44	25NOV2011 07:15:53	0	0	0	0	0
6	MIP_NL__0PNPDK20111125_071509_000041533109_00049_50925_7622.N1	25NOV2011 07:15:09	25NOV2011 08:24:22	0	0	0	0	0
7	MIP_NL__0PNPDK20111125_082324_000060153109_00050_50926_7623.N1	25NOV2011 08:23:24	25NOV2011 10:03:39	0	0	0	0	0
8	MIP_NL__0PNPDK20111125_100157_000060003109_00051_50927_7624.N1	25NOV2011 10:01:57	25NOV2011 11:41:57	0	0	0	0	0
9	MIP_NL__0PNPDK20111125_114014_000060753109_00052_50928_7625.N1	25NOV2011 11:40:14	25NOV2011 13:21:29	0	0	0	0	0
10	MIP_NL__0PNPDK20111125_131951_000060983109_00053_50929_7626.N1	25NOV2011 13:19:51	25NOV2011 15:01:29	0	0	0	0	0
11	MIP_NL__0PNPDK20111125_145957_000058683109_00054_50930_7627.N1	25NOV2011 14:59:57	25NOV2011 16:37:45	0	0	0	0	0
12	MIP_NL__0PNPDK20111125_163634_000059813109_00055_50931_7628.N1	25NOV2011 16:36:34	25NOV2011 18:16:15	0	0	0	0	0
13	MIP_NL__0PNPDK20111125_181513_000059813109_00056_50932_7629.N1	25NOV2011 18:15:13	25NOV2011 19:54:54	0	0	0	0	0
14	MIP_NL__0PNPDE20111125_195242_000040723109_00057_50933_4913.N1	25NOV2011 19:52:42	25NOV2011 21:00:34	0	0	0	0	0
15	MIP_NL__0PNPDE20111125_205855_000064363109_00057_50933_4914.N1	25NOV2011 20:58:55	25NOV2011 22:46:12	0	0	0	0	0
16	MIP_NL__0PNPDE20111125_224511_000060873109_00058_50934_4915.N1	25NOV2011 22:45:11	26NOV2011 00:26:39	0	0	0	0	0

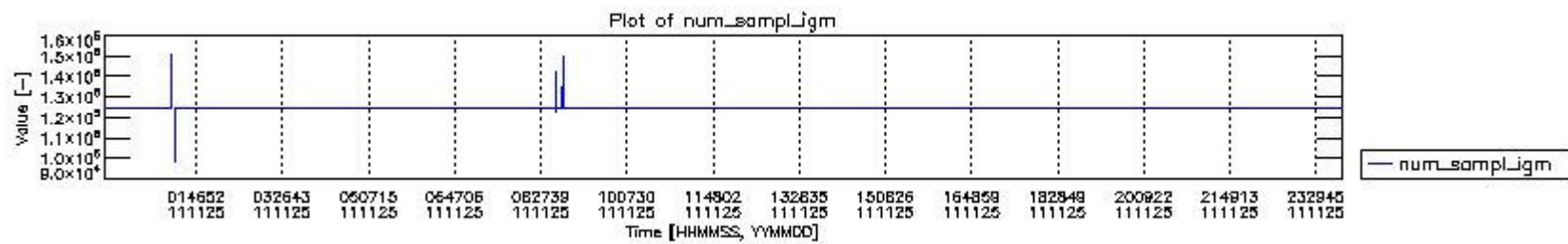
0.2 Instrument Operational Performance Parameters

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.

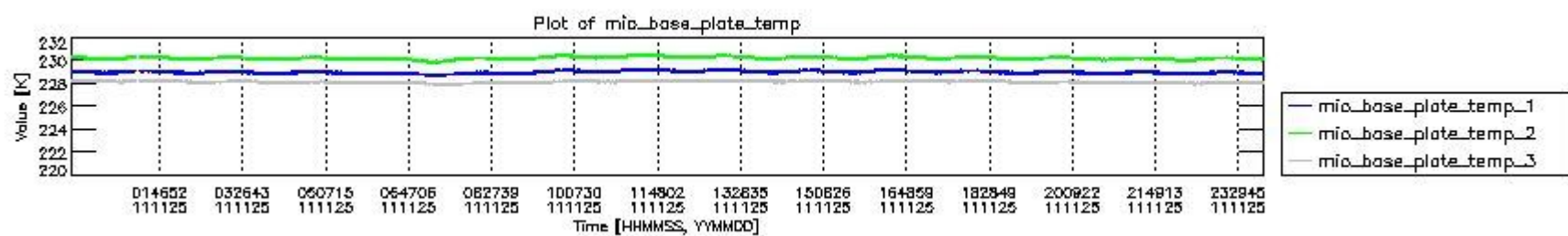
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98624	1	0.0023999808

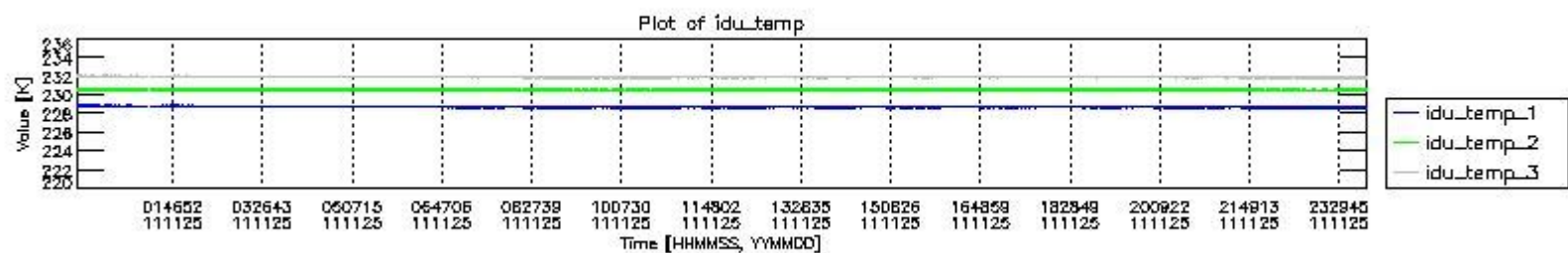
122475	1	0.0023999808
122952	1	0.0023999808
123876	1	0.0023999808
124800	38863	93.270454
124803	2792	6.7007464
127159	1	0.0023999808
127679	1	0.0023999808
140282	1	0.0023999808
142607	1	0.0023999808
147291	1	0.0023999808
147811	1	0.0023999808
149650	1	0.0023999808
150690	1	0.0023999808



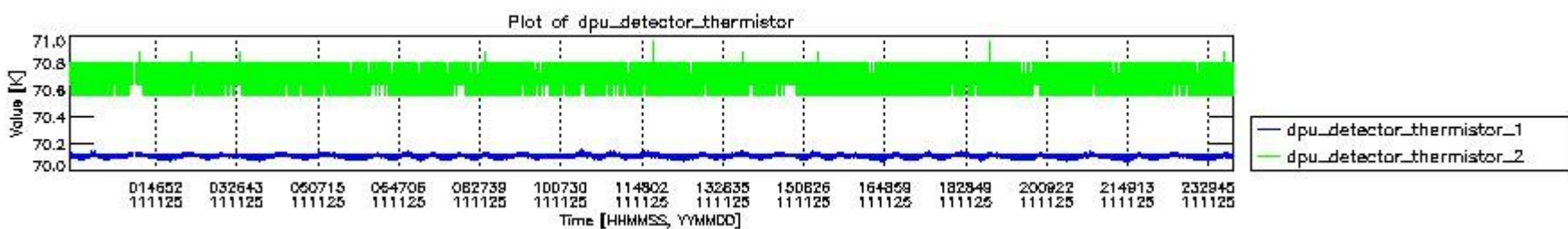
mipas_daily_report_level0_KSPT_L0_4504_N_20111125_0.PNG



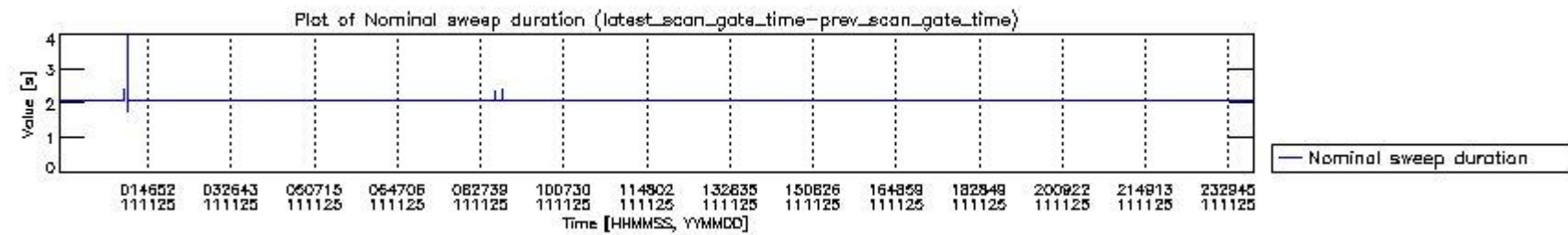
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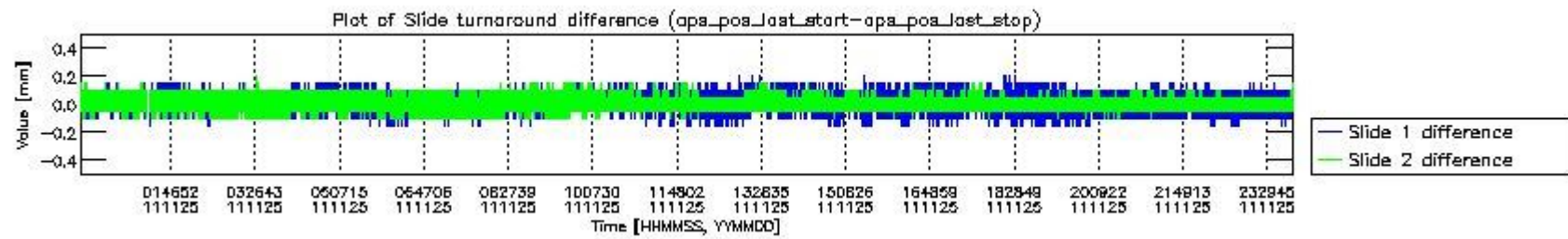
mipas_daily_report_level0_KSPT_L0_4504_N_20111125_2.PNG



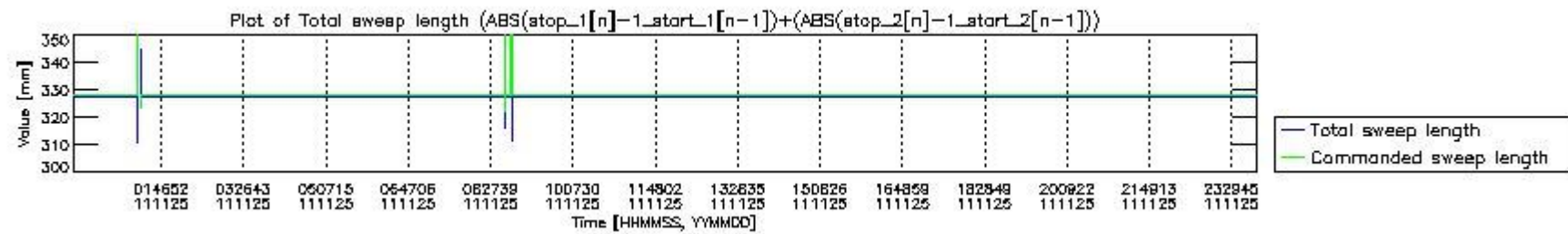
mipas_daily_report_level0_KSPT_L0_4504_N_20111125_3.PNG



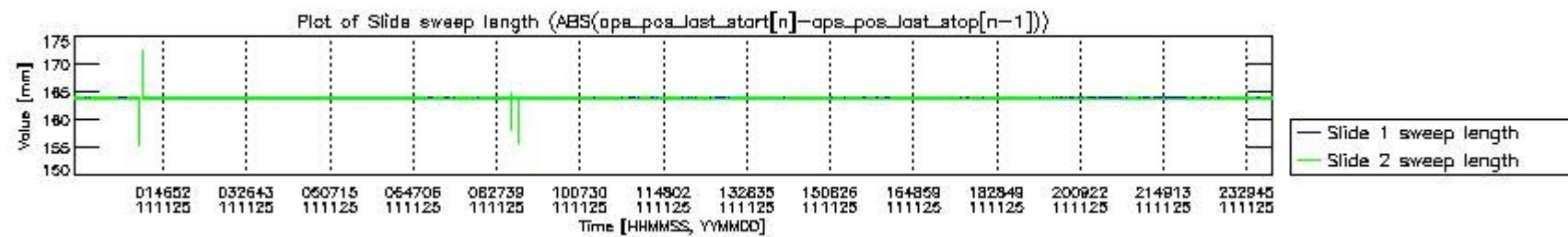
mipas_daily_report_level0_KSPT_L0_4504_N_20111125_4.PNG



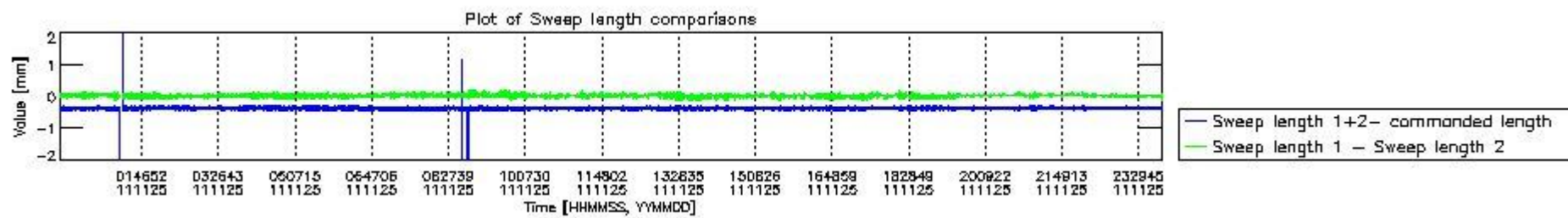
mipas_daily_report_level0_KSPT_L0_4504_N_20111125_5.PNG



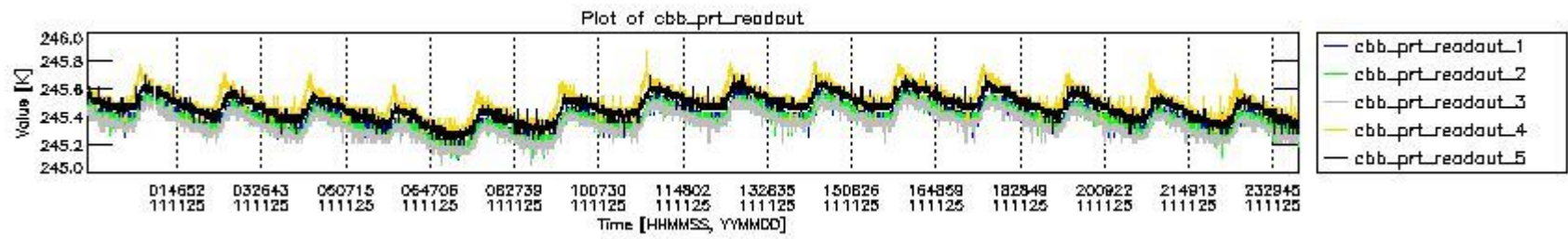
mipas_daily_report_level0_KSPT_L0_4504_N_20111125_6.PNG



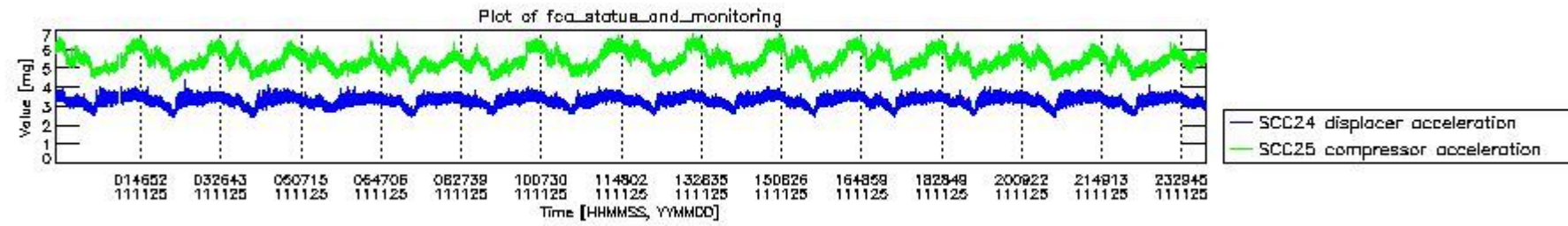
mipas_daily_report_level0_KSPT_L0_4504_N_20111125_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111125_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111125_9.PNG

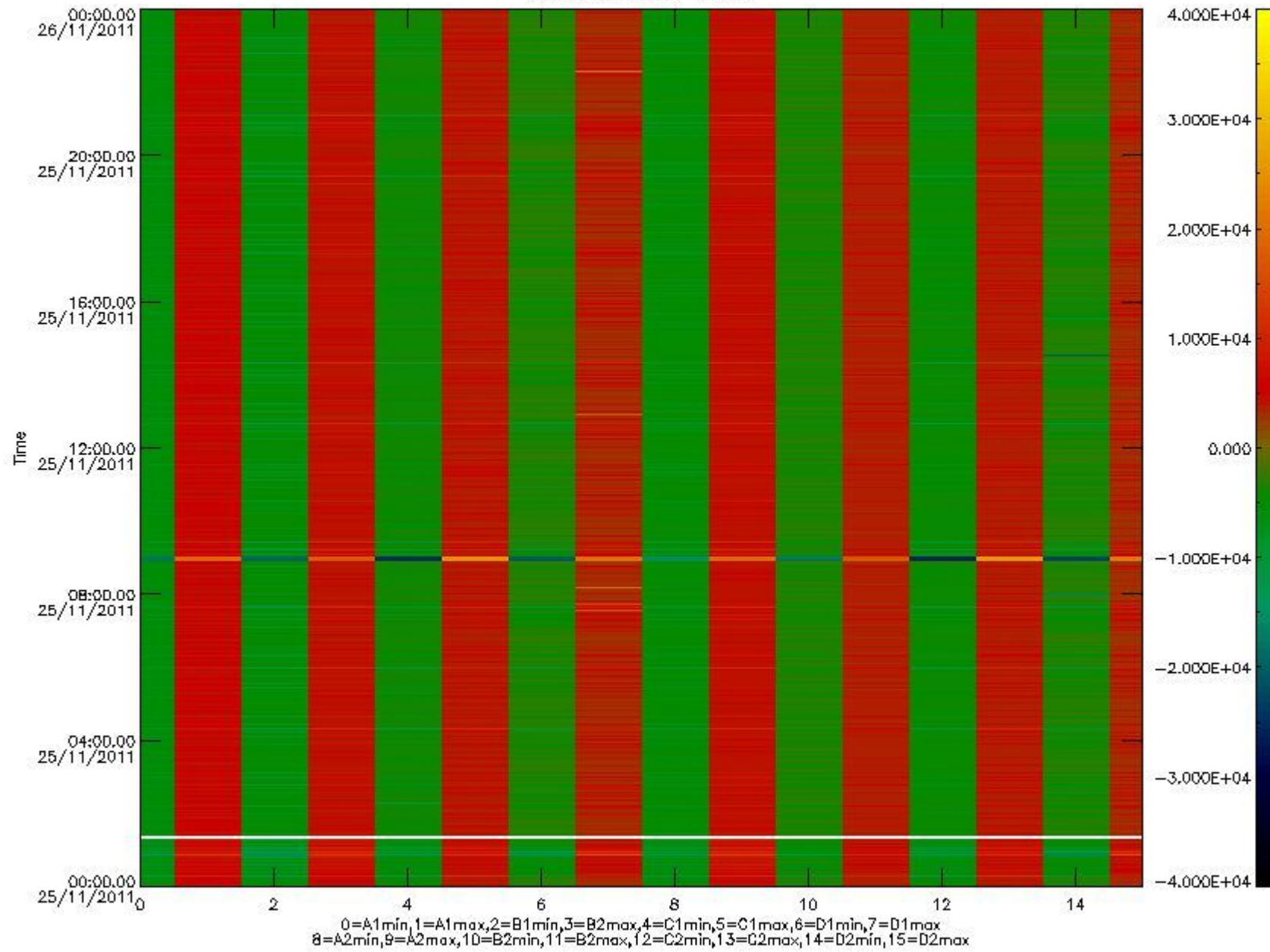


mipas_daily_report_level0_KSPT_L0_4504_N_20111125_10.PNG

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

Channel	Min	Max	ADC
A1	-18395	19482	16bit
B1	-20890	17893	16bit
C1	-25556	25511	16bit
D1	-21401	32767	16bit
A2	-15944	19695	16bit
B2	-18771	18408	16bit
C2	-26538	26232	16bit
D2	-32768	23374	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111125_11.PNG

0.3 ADF monitoring

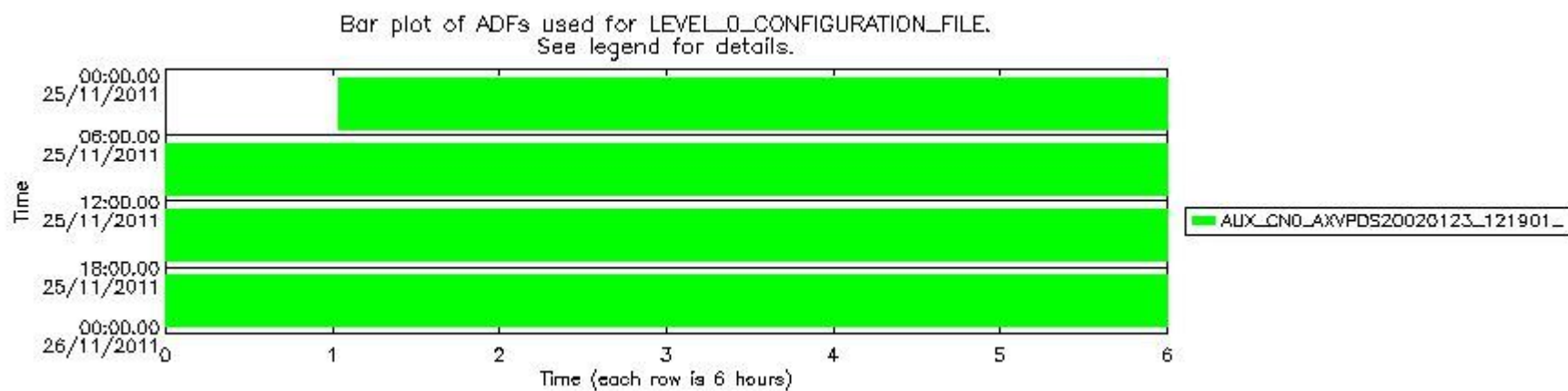
The use of ADFs is shown in two ways:

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.

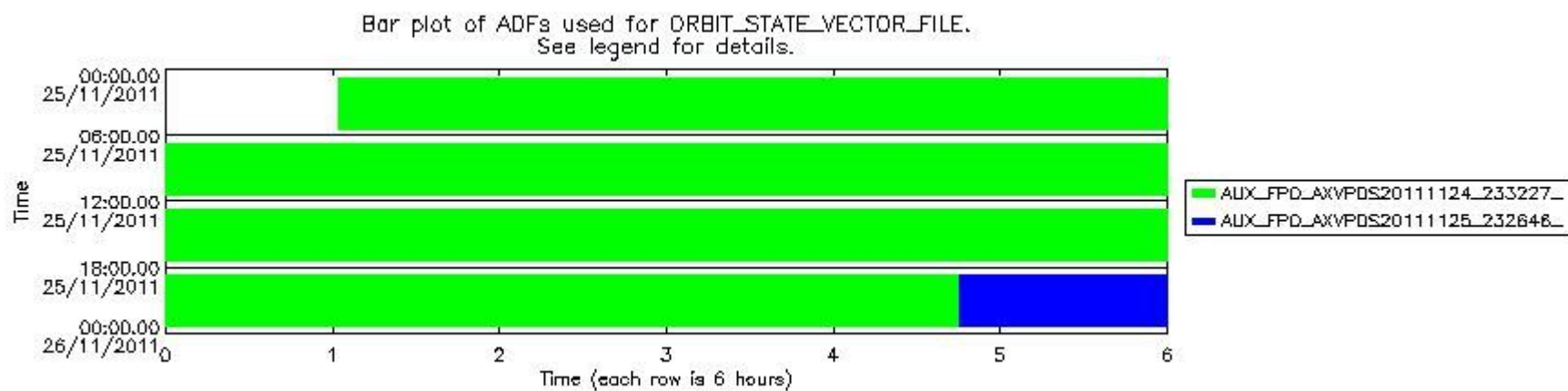
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111124_233227_20111124_183345_20111204_204728
2	AUX_FPO_AXVPDS20111125_232646_20111125_193715_20111205_201043

Number	Product name	#CN0	#FPO
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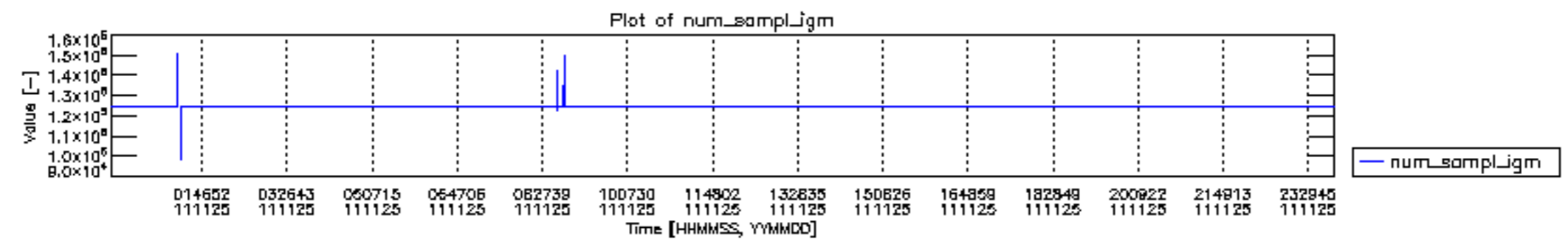
0	MIP_NL__0PNPDE20111125_010202_000009673109_00045_50921_4908.N1	0	1
1	MIP_NL__0PNPDE20111125_011449_000094753109_00046_50922_4907.N1	0	1
2	MIP_NL__0PNPDE20111125_012232_000013623109_00046_50922_4909.N1	0	1
3	MIP_NL__0PNPDE20111125_014516_000076483109_00046_50922_4910.N1	0	1
4	MIP_NL__0PNPDE20111125_035210_000063073109_00047_50923_4911.N1	0	1
5	MIP_NL__0PNPDE20111125_053644_000059503109_00048_50924_4912.N1	0	1
6	MIP_NL__0PNPDK20111125_071509_000041533109_00049_50925_7622.N1	0	1
7	MIP_NL__0PNPDK20111125_082324_000060153109_00050_50926_7623.N1	0	1
8	MIP_NL__0PNPDK20111125_100157_000060003109_00051_50927_7624.N1	0	1
9	MIP_NL__0PNPDK20111125_114014_000060753109_00052_50928_7625.N1	0	1
10	MIP_NL__0PNPDK20111125_131951_000060983109_00053_50929_7626.N1	0	1
11	MIP_NL__0PNPDK20111125_145957_000058683109_00054_50930_7627.N1	0	1
12	MIP_NL__0PNPDK20111125_163634_000059813109_00055_50931_7628.N1	0	1
13	MIP_NL__0PNPDK20111125_181513_000059813109_00056_50932_7629.N1	0	1
14	MIP_NL__0PNPDE20111125_195242_000040723109_00057_50933_4913.N1	0	1
15	MIP_NL__0PNPDE20111125_205855_000064363109_00057_50933_4914.N1	0	1
16	MIP_NL__0PNPDE20111125_224511_000060873109_00058_50934_4915.N1	0	2

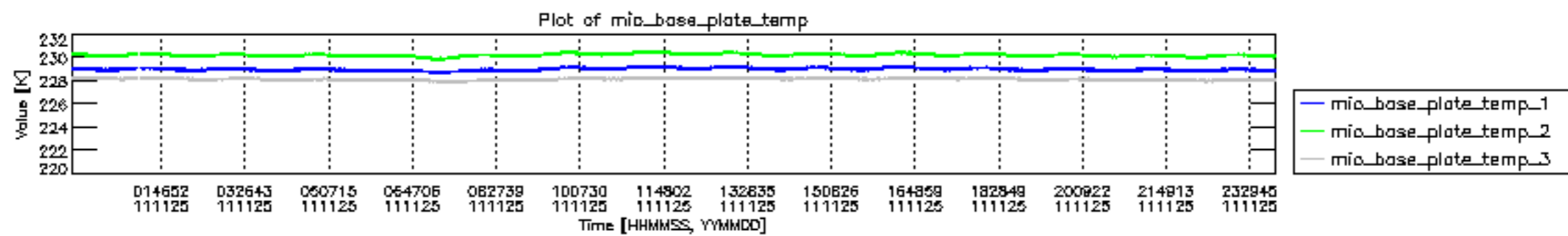


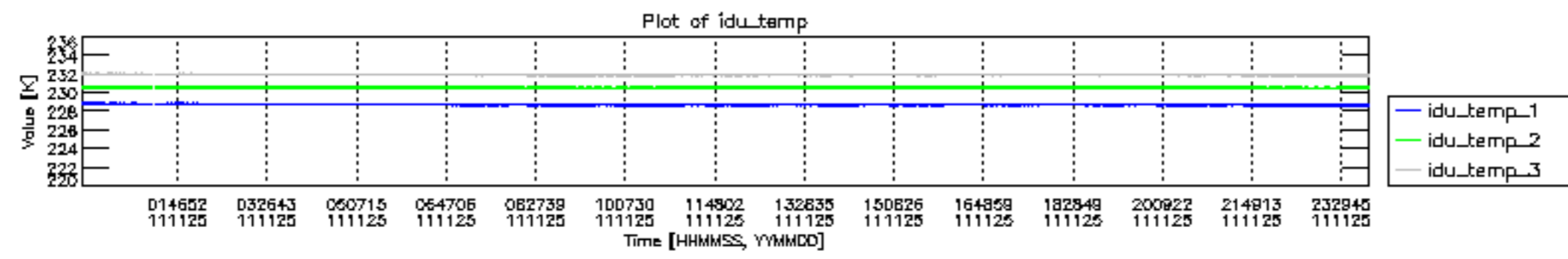
mipas_daily_report_level0_KSPT_L0_4504_N_20111125_12.PNG

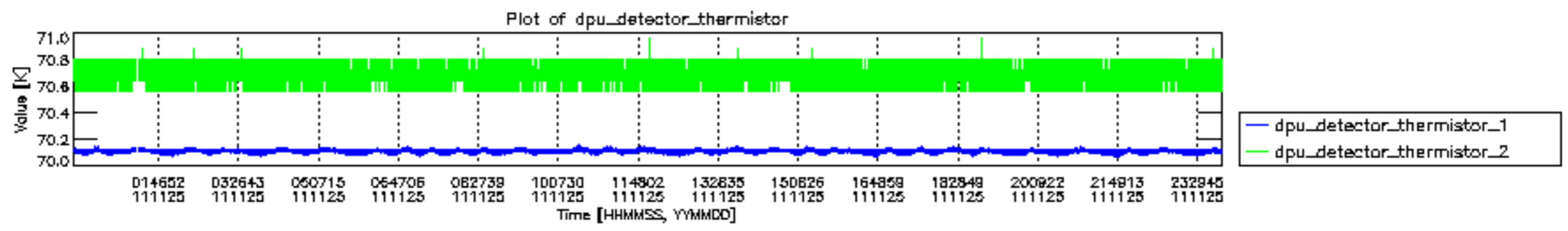


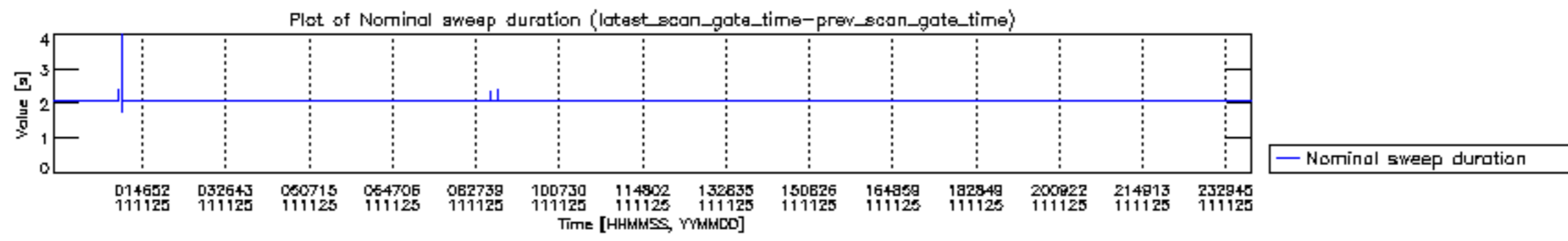
mipas_daily_report_level0_KSPT_L0_4504_N_20111125_13.PNG

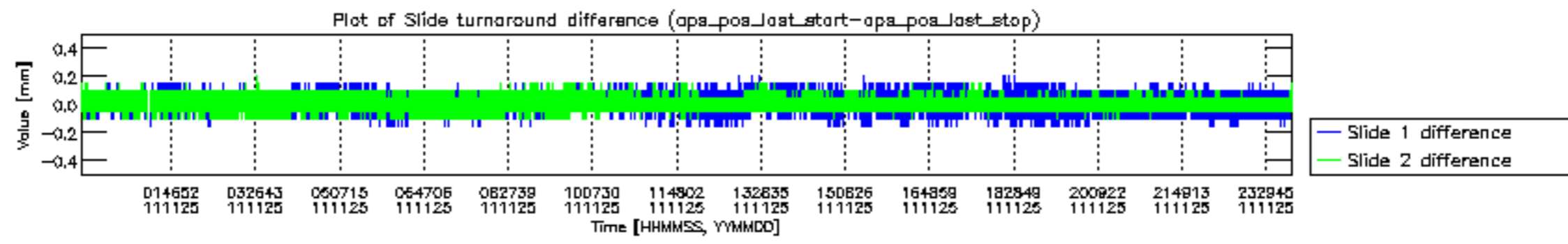


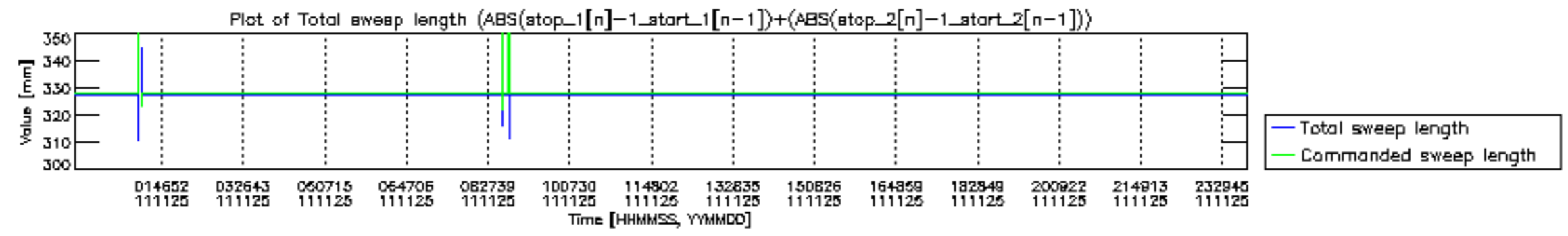


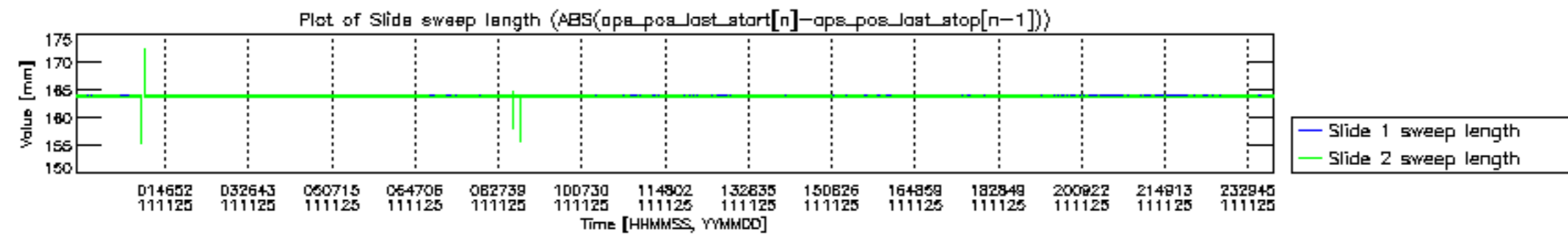


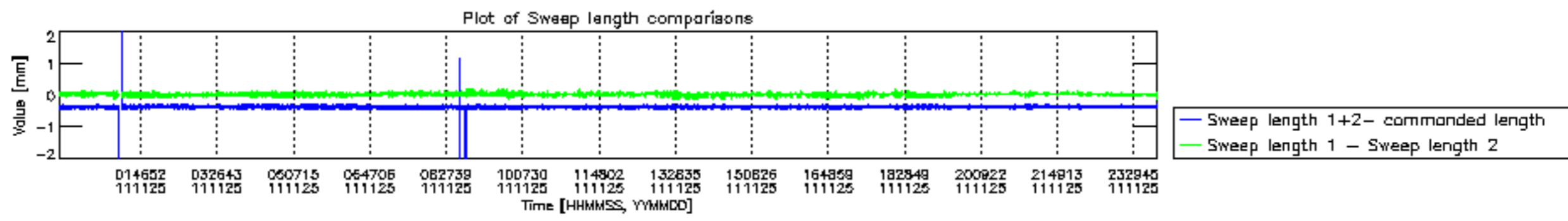


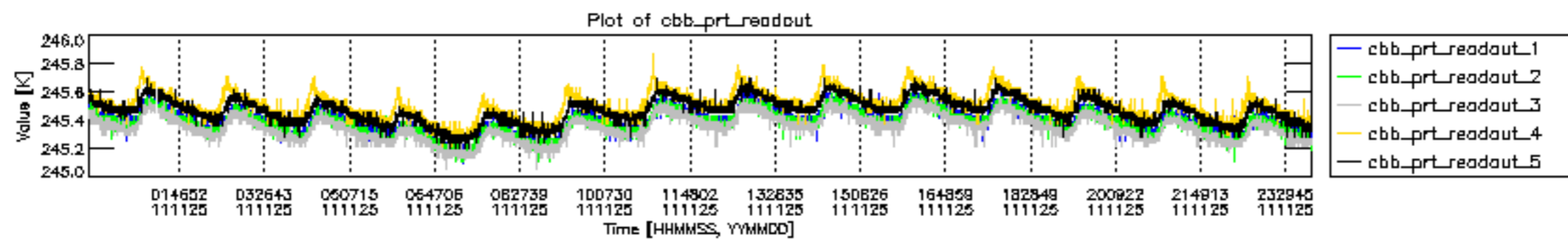


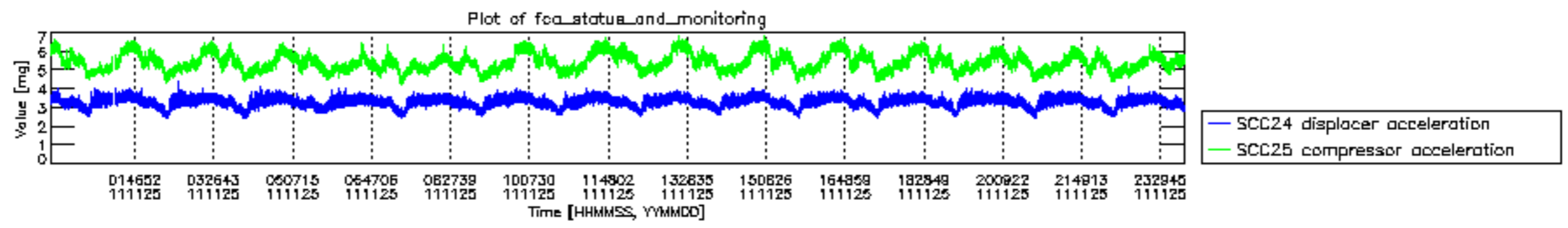




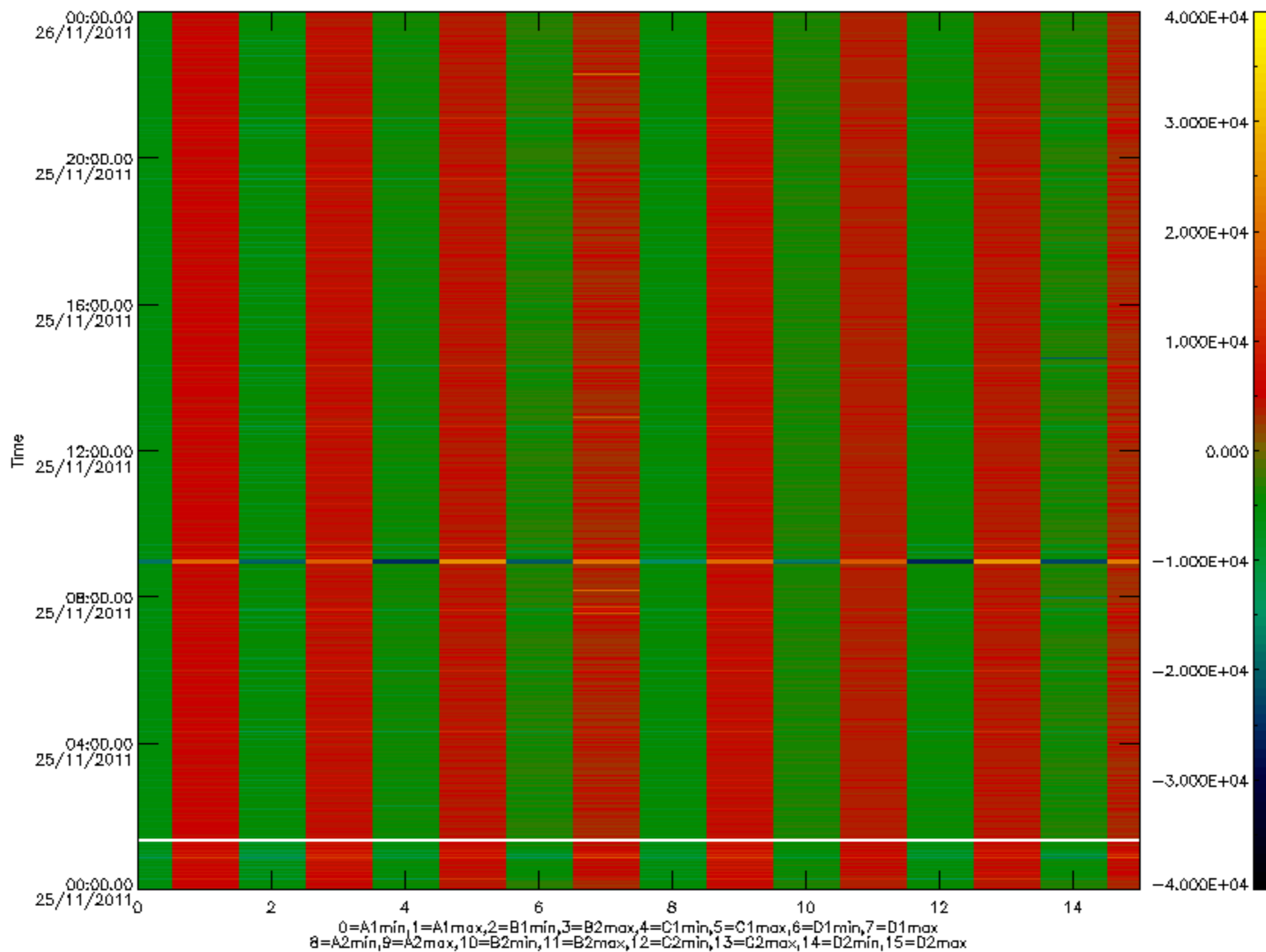


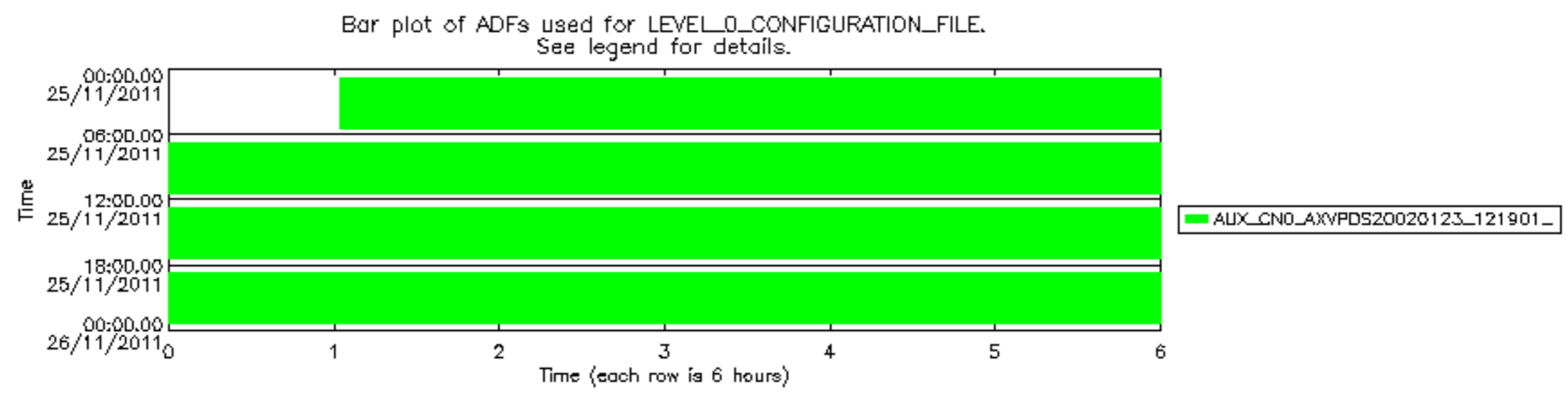






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

