

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	26OCT2011 05:20:12
Data source version	KSPT_L0/4504-N
Processing scope for products	21OCT2011 00:00:00 to 22OCT2011 00:00:00
Start time of first product within scope	21OCT2011 00:46:27
Stop time of last product within scope	22OCT2011 00:10:35
Total number of level 0 products	15
Number of level 0 products with errors	2

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__0PNPDE20111021_004627_000057663107_00404_50418_9835.N1	21OCT2011 00:46:27	21OCT2011 02:22:33	0	0	0	0	0
1	MIP_NL__0PNPDE20111021_022101_000046383107_00405_50419_9836.N1	21OCT2011 02:21:01	21OCT2011 03:38:19	0	0	0	0	0
2	MIP_NL__0PNPDE20111021_033745_000061373107_00406_50420_9837.N1	21OCT2011 03:37:45	21OCT2011 05:20:03	0	0	0	0	0
3	MIP_NL__0PNPDE20111021_051930_000060273107_00407_50421_9838.N1	21OCT2011 05:19:30	21OCT2011 06:59:57	0	0	0	0	0
4	MIP_NL__0PNPDK20111021_065934_000040513107_00408_50422_7302.N1	21OCT2011 06:59:34	21OCT2011 08:07:04	0	0	0	0	0
5	MIP_NL__0PNPDK20111021_081819_000052873107_00409_50423_7303.N1	21OCT2011 08:18:19	21OCT2011 09:46:26	1	1	1	0	1
6	MIP_NL__0PNPDK20111021_112429_000061353107_00411_50425_7304.N1	21OCT2011 11:24:29	21OCT2011 13:06:44	0	0	0	0	0
7	MIP_NL__0PNPDK20111021_130545_000058763107_00412_50426_7312.N1	21OCT2011 13:05:45	21OCT2011 14:43:42	1	1	0	0	0
8	MIP_NL__0PNPDK20111021_135348_000029943107_00412_50426_7307.N1	21OCT2011 13:53:48	21OCT2011 14:43:42	0	0	0	0	0
9	MIP_NL__0PNPDK20111021_144241_000059353107_00413_50427_7308.N1	21OCT2011 14:42:41	21OCT2011 16:21:36	0	0	0	0	0
10	MIP_NL__0PNPDK20111021_162038_000059183107_00414_50428_7309.N1	21OCT2011 16:20:38	21OCT2011 17:59:16	0	0	0	0	0
11	MIP_NL__0PNPDK20111021_175842_000059033107_00415_50429_7310.N1	21OCT2011 17:58:42	21OCT2011 19:37:06	0	0	0	0	0
12	MIP_NL__0PNPDK20111021_193603_000060163107_00416_50430_7311.N1	21OCT2011 19:36:03	21OCT2011 21:16:19	0	0	0	0	0
13	MIP_NL__0PNPDE20111021_211420_000045233107_00417_50431_9839.N1	21OCT2011 21:14:20	21OCT2011 22:29:43	0	0	0	0	0
14	MIP_NL__0PNPDE20111021_222838_000061173107_00417_50431_9840.N1	21OCT2011 22:28:38	22OCT2011 00:10:35	0	0	0	0	0

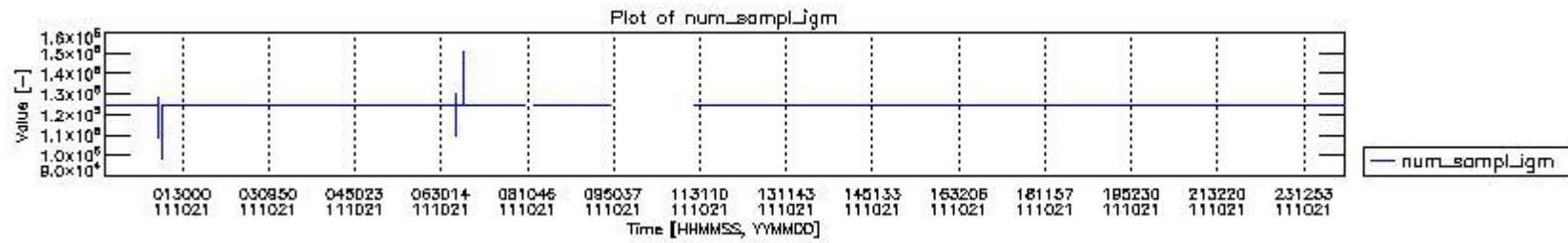
0.2 Instrument Operational Performance Parameters

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.

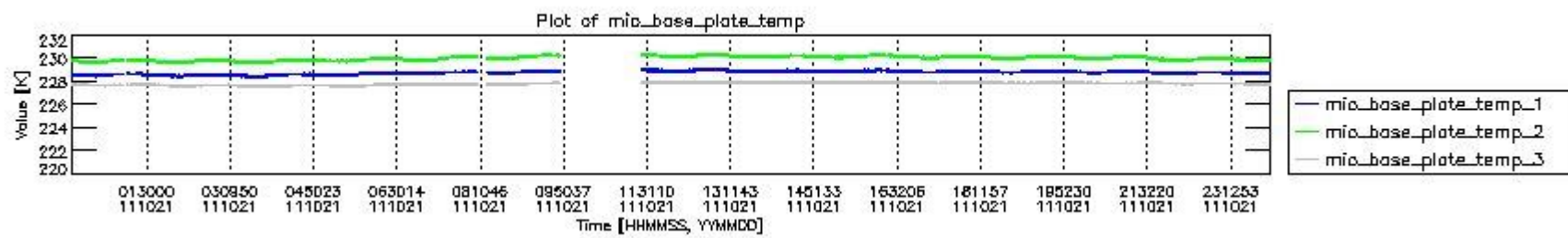
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98699	1	0.0025210508
108276	1	0.0025210508
109837	1	0.0025210508

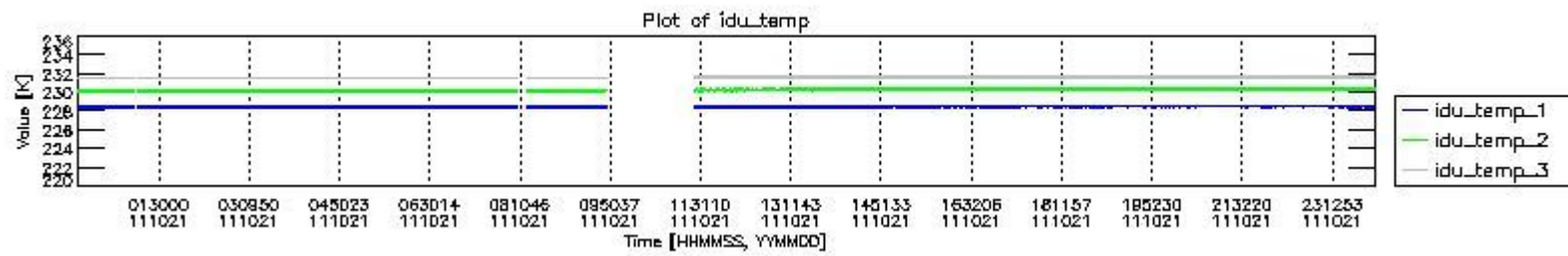
111884	1	0.0025210508
115006	1	0.0025210508
123102	1	0.0025210508
123951	1	0.0025210508
124800	37374	94.221752
124803	2280	5.7479958
127679	1	0.0025210508
128408	1	0.0025210508
129969	1	0.0025210508
147811	1	0.0025210508
150690	1	0.0025210508



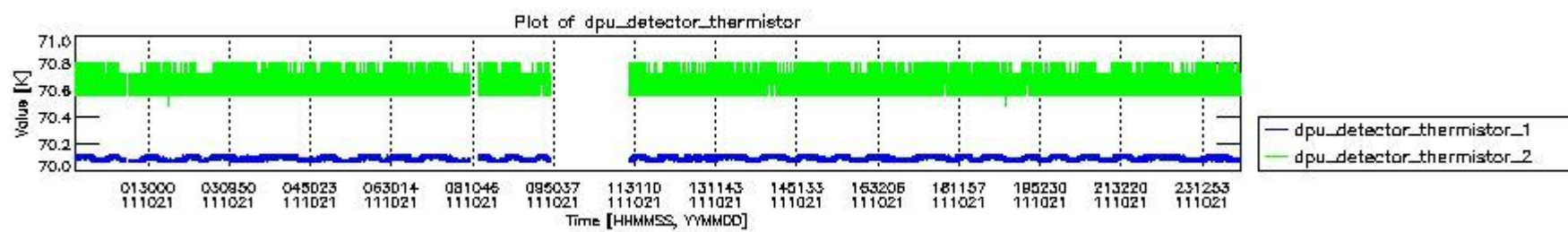
mipas_daily_report_level0_KSPT_L0_4504_N_20111021_0.PNG



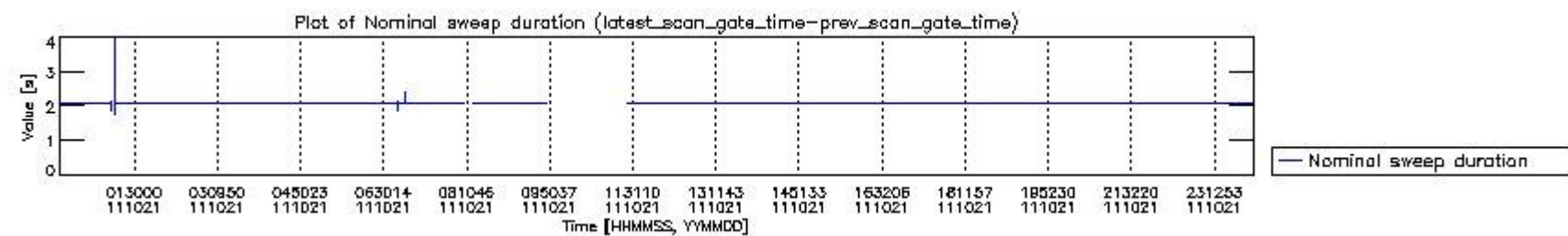
mipas_daily_report_level0_KSPT_L0_4504_N_20111021_1.PNG



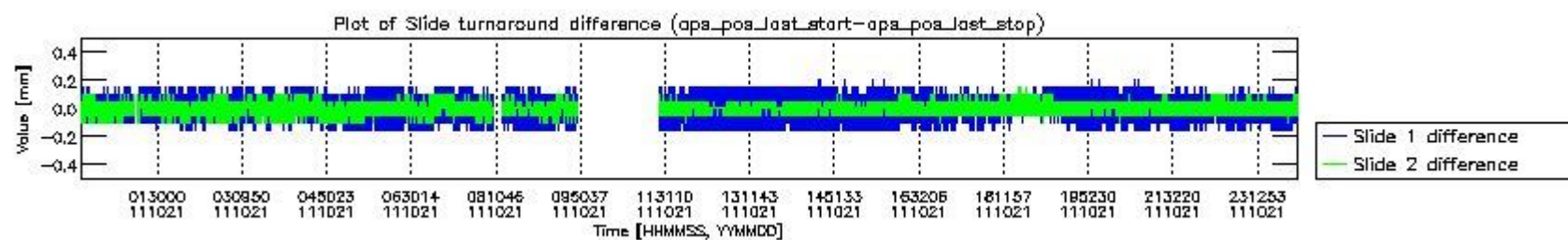
mipas_daily_report_level0_KSPT_L0_4504_N_20111021_2.PNG



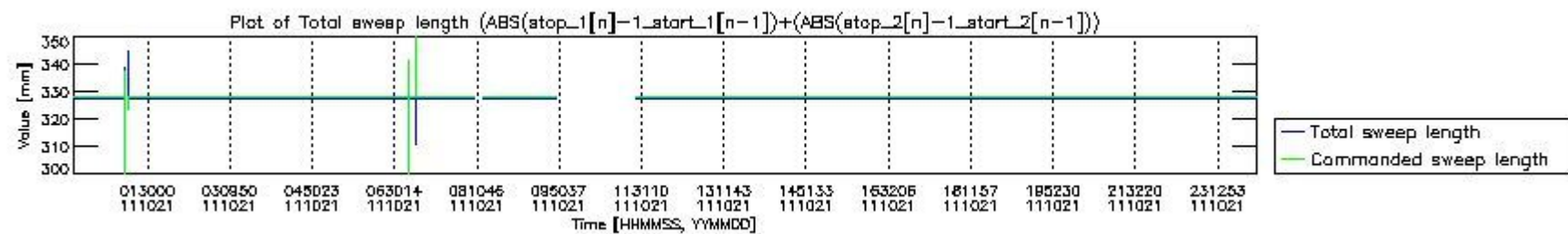
mipas_daily_report_level0_KSPT_L0_4504_N_20111021_3.PNG



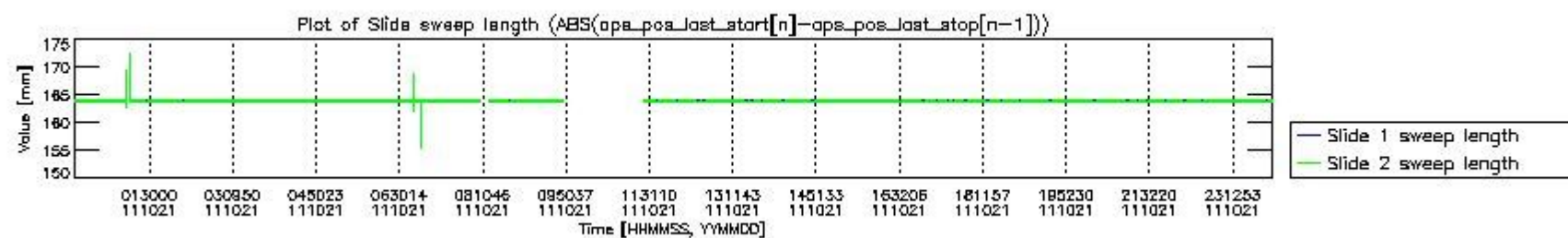
mipas_daily_report_level0_KSPT_L0_4504_N_20111021_4.PNG



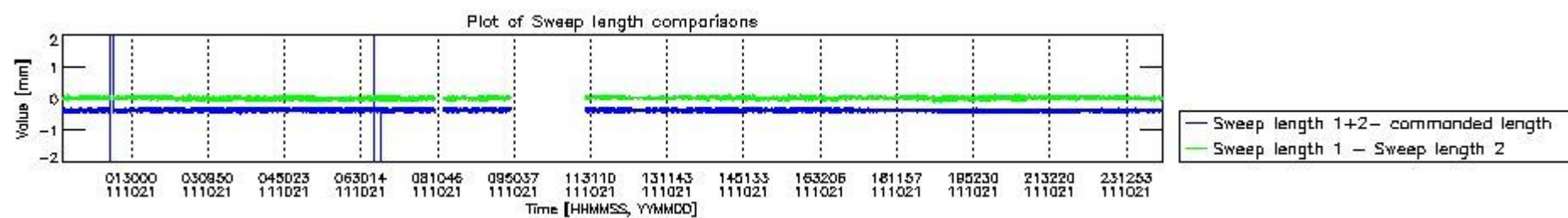
mipas_daily_report_level0_KSPT_L0_4504_N_20111021_5.PNG



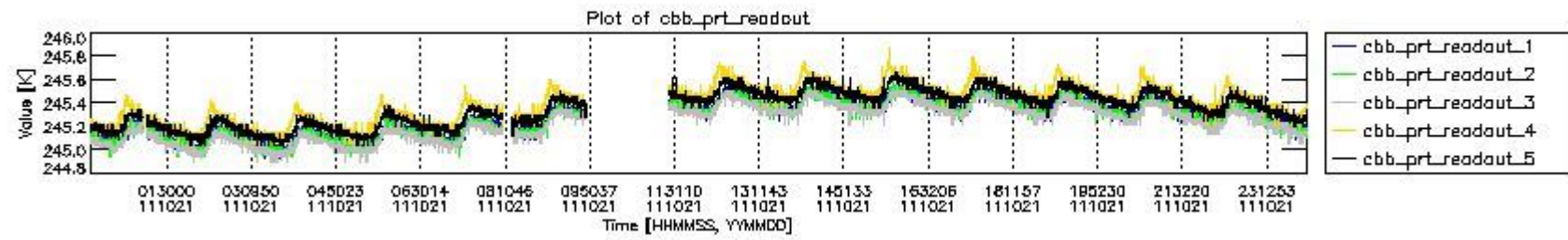
mipas_daily_report_level0_KSPT_L0_4504_N_20111021_6.PNG



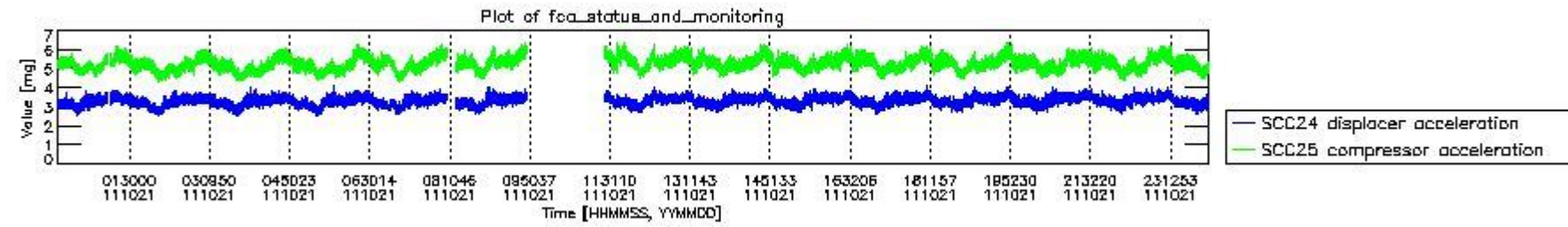
mipas_daily_report_level0_KSPT_L0_4504_N_20111021_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111021_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111021_9.PNG

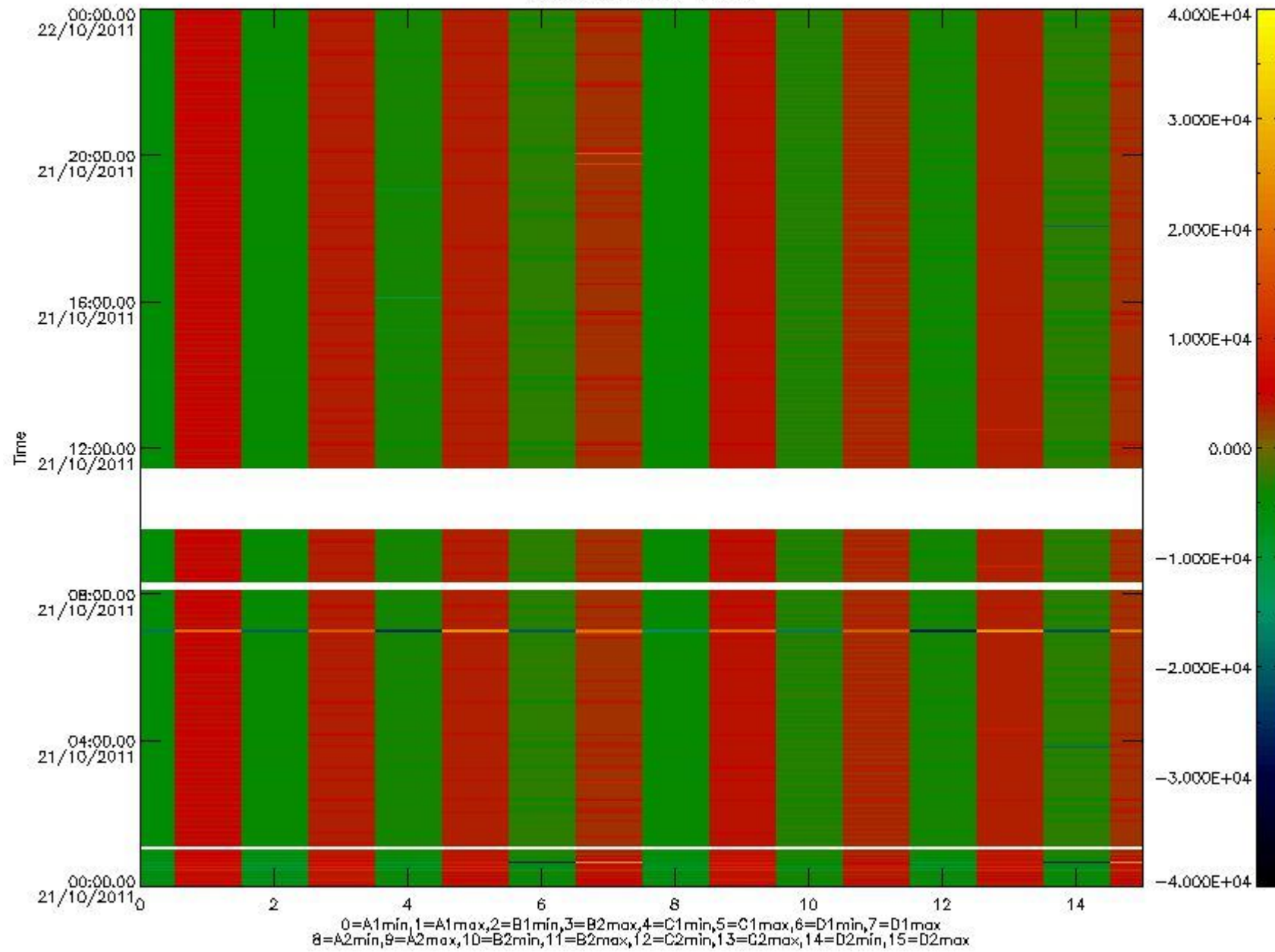


mipas_daily_report_level0_KSPT_L0_4504_N_20111021_10.PNG

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

Channel	Min	Max	ADC
A1	-18480	19630	16bit
B1	-20567	17693	16bit
C1	-25453	25281	16bit
D1	-32768	32767	16bit
A2	-15937	19700	16bit
B2	-18524	18166	16bit
C2	-26473	25983	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_20111021_11.PNG

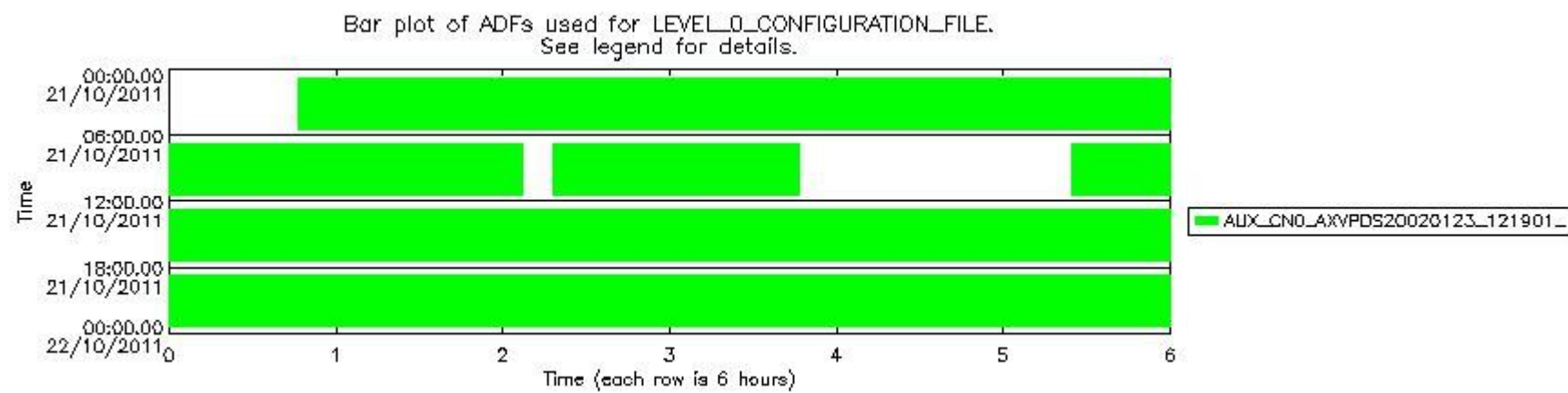
0.3 ADF monitoring

The use of ADFs is shown in two ways:

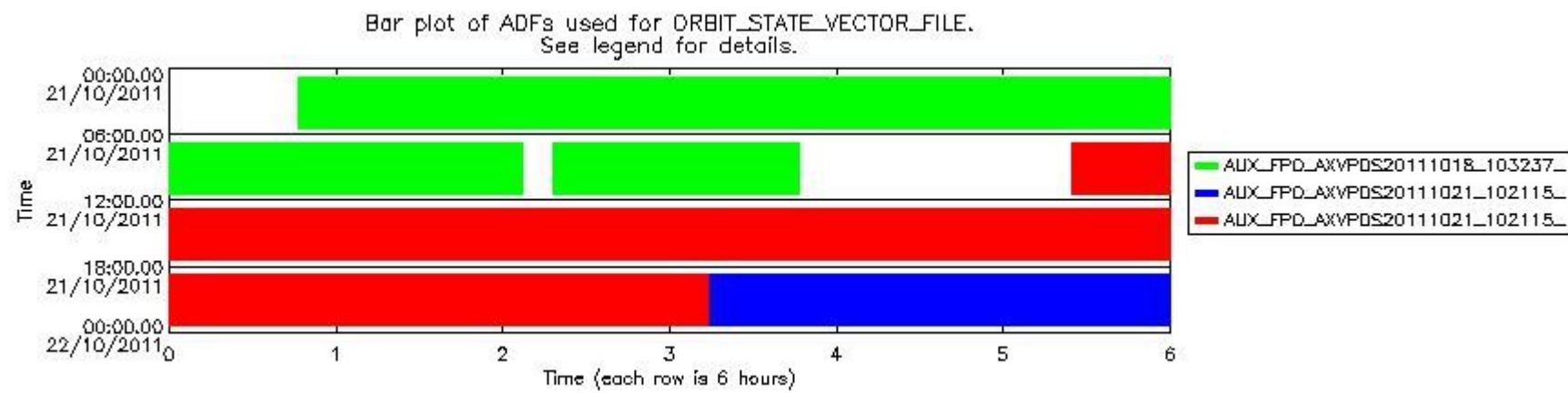
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111018_103237_20111017_182648_20111027_204032
2	AUX_FPO_AXVPDS20111021_102115_20111019_185333_20111029_210716
3	AUX_FPO_AXVPDS20111021_102115_20111020_195703_20111030_203031

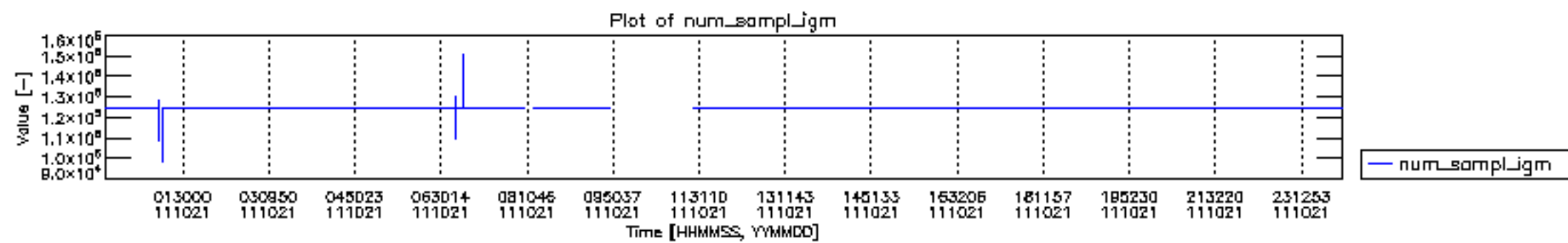
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111021_004627_000057663107_00404_50418_9835.N1	0	1
1	MIP_NL__0PNPDE20111021_022101_000046383107_00405_50419_9836.N1	0	1
2	MIP_NL__0PNPDE20111021_033745_000061373107_00406_50420_9837.N1	0	1
3	MIP_NL__0PNPDE20111021_051930_000060273107_00407_50421_9838.N1	0	1
4	MIP_NL__0PNPDK20111021_065934_000040513107_00408_50422_7302.N1	0	1
5	MIP_NL__0PNPDK20111021_081819_000052873107_00409_50423_7303.N1	0	1
6	MIP_NL__0PNPDK20111021_112429_000061353107_00411_50425_7304.N1	0	3
7	MIP_NL__0PNPDK20111021_130545_000058763107_00412_50426_7312.N1	0	3
8	MIP_NL__0PNPDK20111021_135348_000029943107_00412_50426_7307.N1	0	3
9	MIP_NL__0PNPDK20111021_144241_000059353107_00413_50427_7308.N1	0	3
10	MIP_NL__0PNPDK20111021_162038_000059183107_00414_50428_7309.N1	0	3
11	MIP_NL__0PNPDK20111021_175842_000059033107_00415_50429_7310.N1	0	3
12	MIP_NL__0PNPDK20111021_193603_000060163107_00416_50430_7311.N1	0	3
13	MIP_NL__0PNPDE20111021_211420_000045233107_00417_50431_9839.N1	0	2
14	MIP_NL__0PNPDE20111021_222838_000061173107_00417_50431_9840.N1	0	2

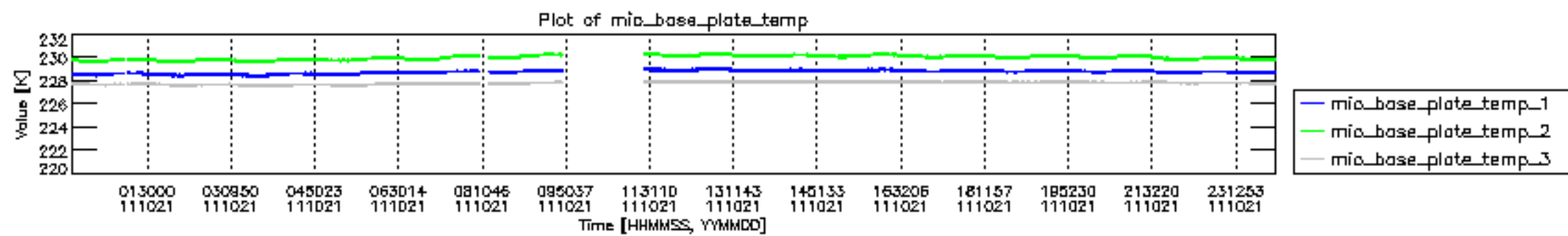


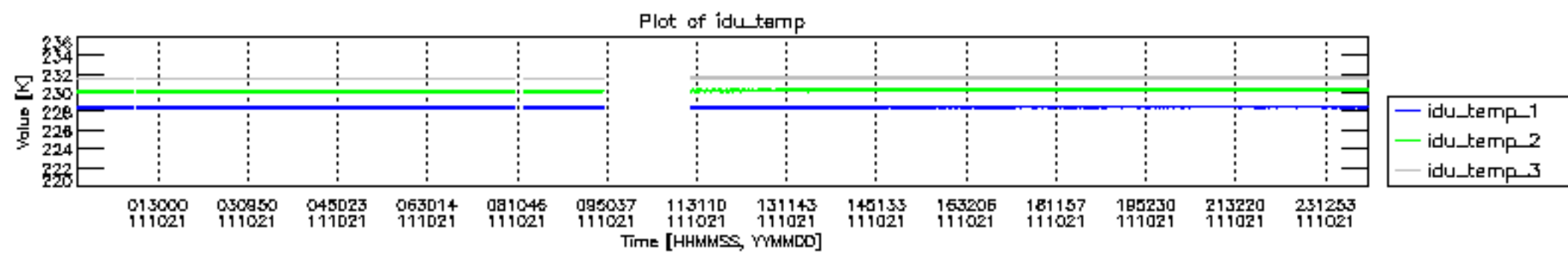
mipas_daily_report_level0_KSPT_L0_4504_N_20111021_12.PNG

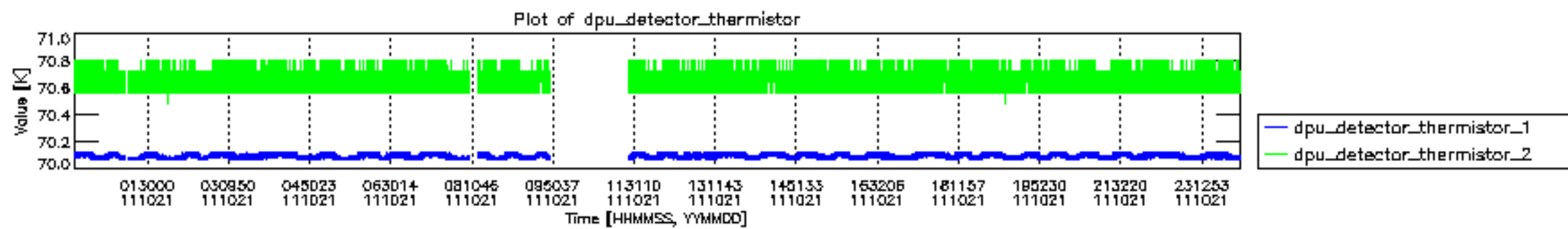


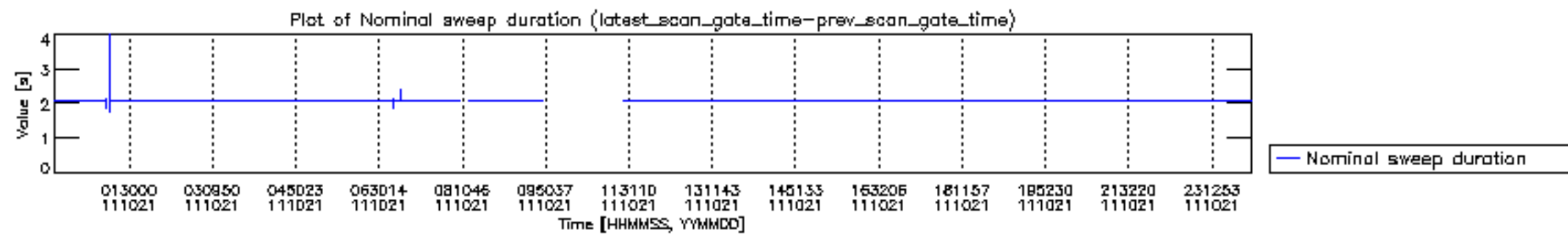
mipas_daily_report_level0_KSPT_L0_4504_N_20111021_13.PNG

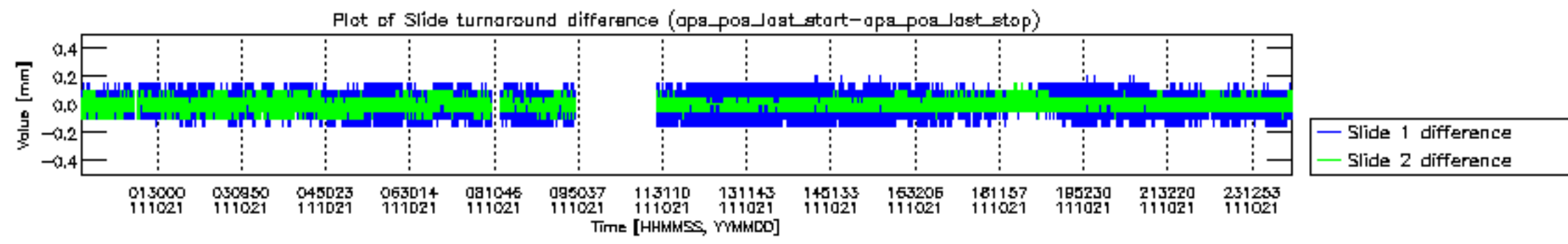


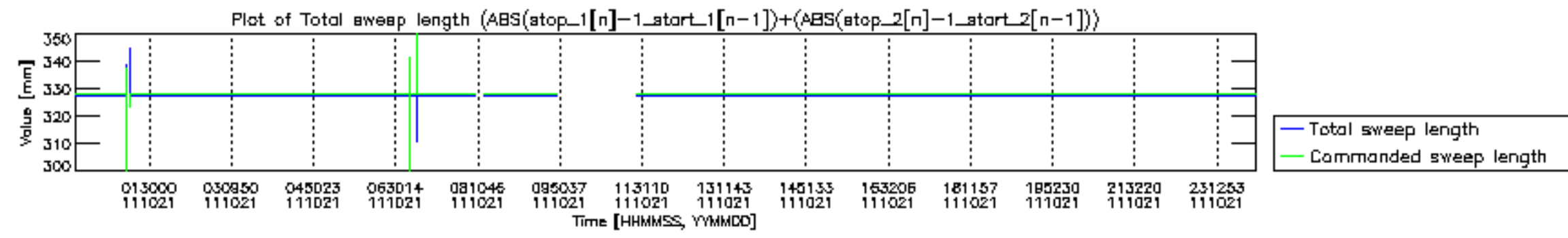


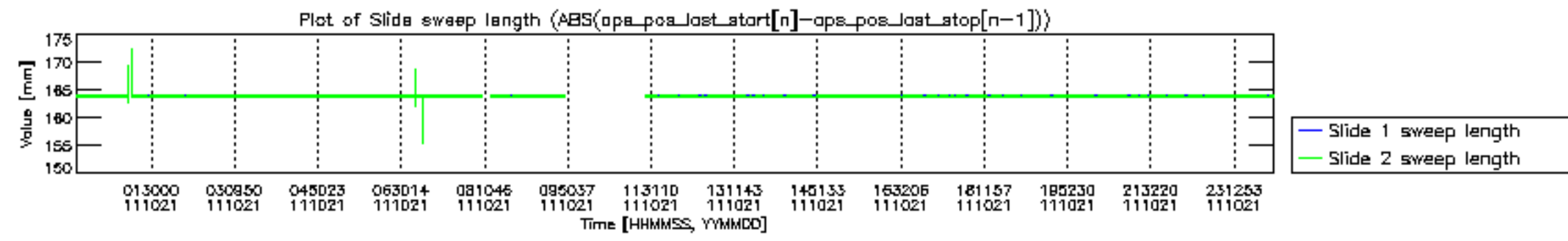


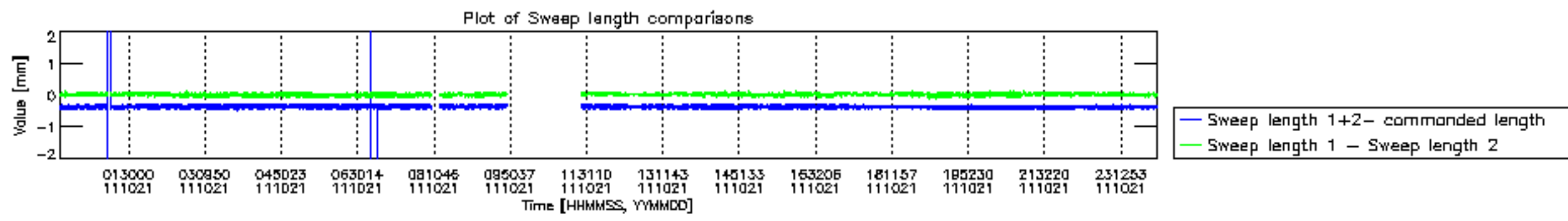


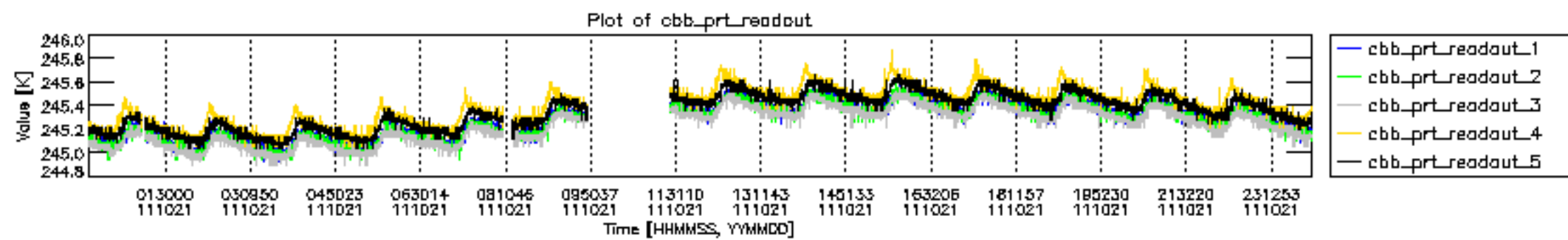


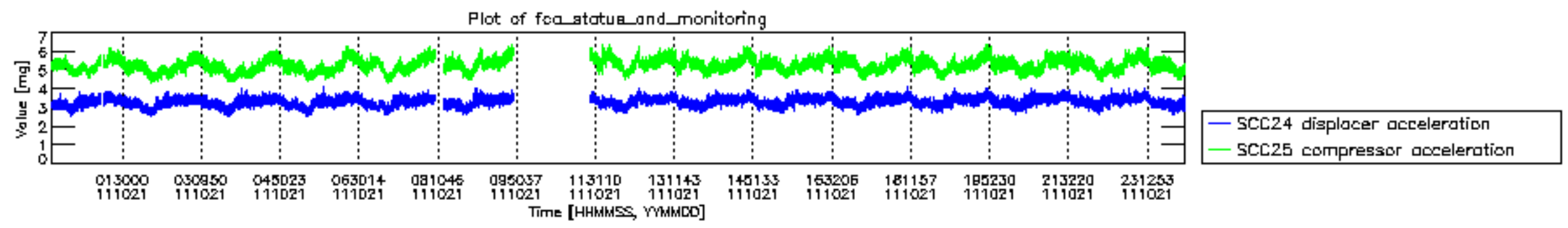




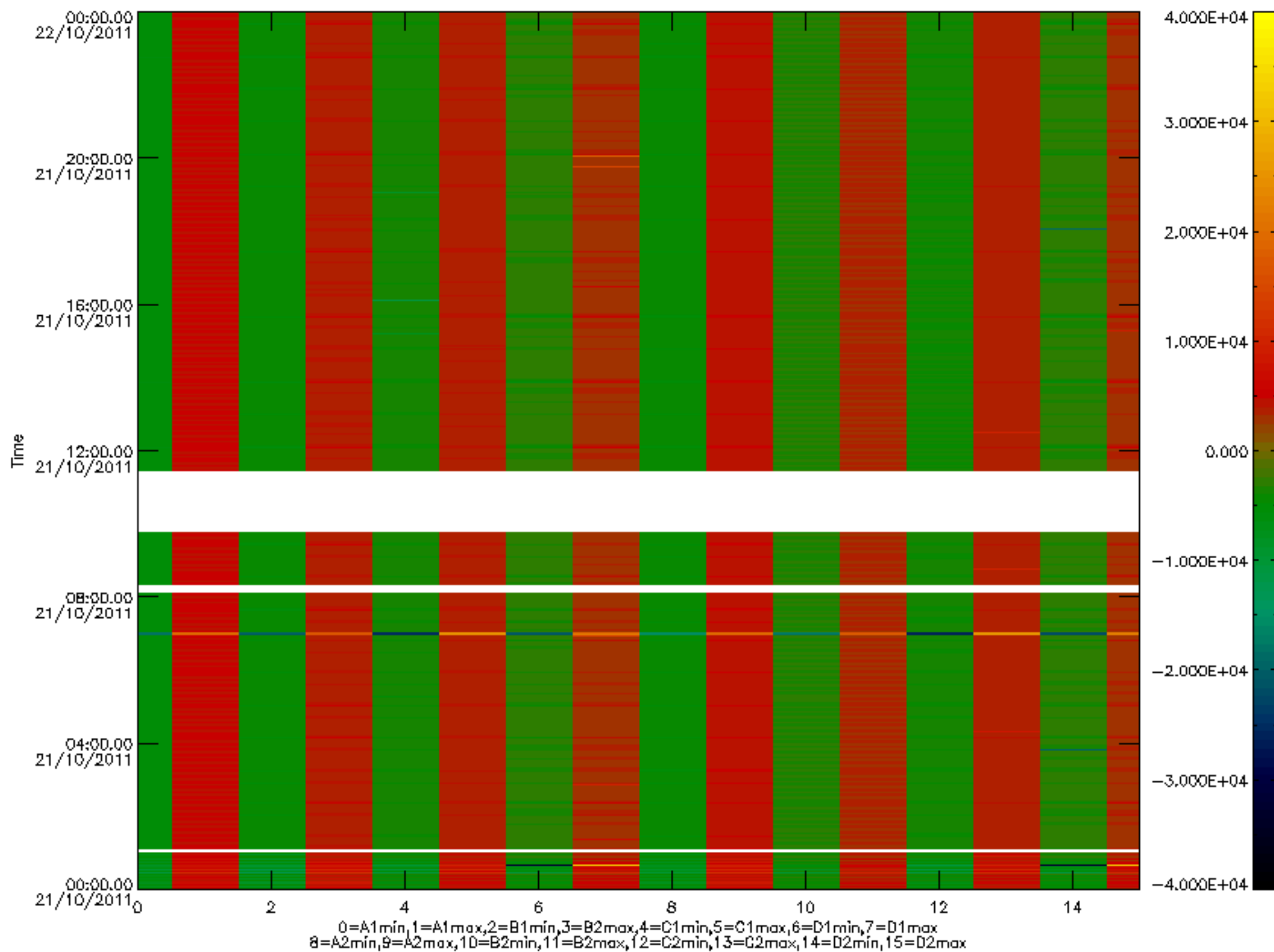


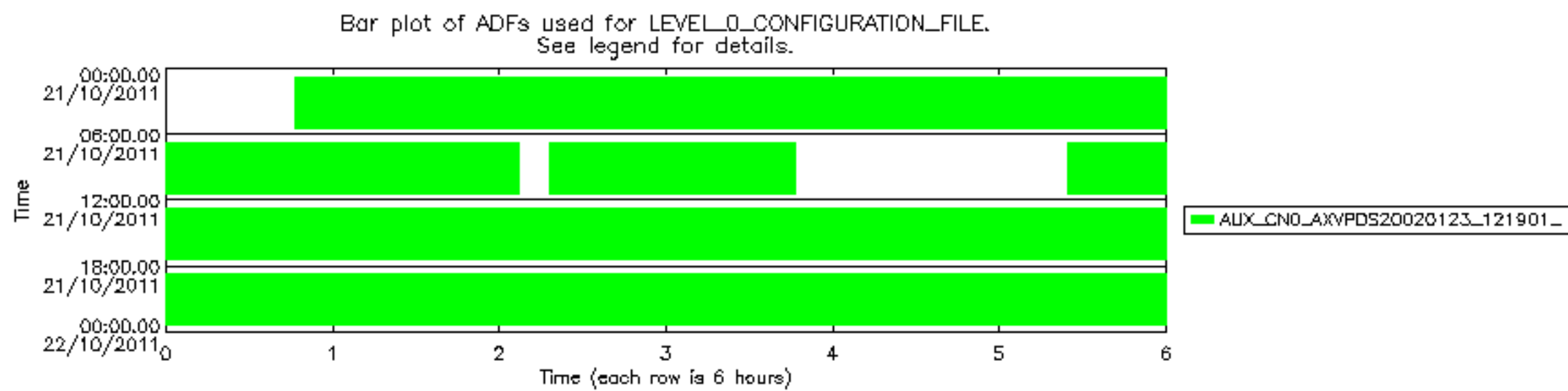






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

