

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	20JUN2011 05:23:37
Data source version	KSPT_L0/4504-N
Processing scope for products	15JUN2011 00:00:00 to 16JUN2011 00:00:00
Start time of first product within scope	15JUN2011 00:39:03
Stop time of last product within scope	16JUN2011 00:01:44
Total number of level 0 products	13
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__0PNPDE20110615_003903_000058083103_00289_48579_9041.N1	15JUN2011 00:39:03	15JUN2011 02:15:51	0	0	0	0	0
1	MIP_NL__0PNPDE20110615_021450_000045273103_00290_48580_9042.N1	15JUN2011 02:14:50	15JUN2011 03:30:17	0	0	0	0	0
2	MIP_NL__0PNPDE20110615_051107_000023813103_00292_48582_9044.N1	15JUN2011 05:11:07	15JUN2011 05:50:48	0	0	0	0	0
3	MIP_NL__0PNPDK20110615_090723_000020143103_00294_48584_5494.N1	15JUN2011 09:07:23	15JUN2011 09:40:56	0	0	0	0	0
4	MIP_NL__0PNPDK20110615_094012_000059273103_00295_48585_5495.N1	15JUN2011 09:40:12	15JUN2011 11:18:59	0	0	0	0	0
5	MIP_NL__0PNPDK20110615_111817_000060063103_00296_48586_5496.N1	15JUN2011 11:18:17	15JUN2011 12:58:24	0	0	0	0	0
6	MIP_NL__0PNPDK20110615_125752_000059523103_00297_48587_5497.N1	15JUN2011 12:57:52	15JUN2011 14:37:04	0	0	0	0	0
7	MIP_NL__0PNPDK20110615_143622_000058413103_00298_48588_5498.N1	15JUN2011 14:36:22	15JUN2011 16:13:43	0	0	0	0	0
8	MIP_NL__0PNPDK20110615_161310_000059083103_00299_48589_5499.N1	15JUN2011 16:13:10	15JUN2011 17:51:38	0	0	0	0	0
9	MIP_NL__0PNPDK20110615_175048_000058643103_00300_48590_5500.N1	15JUN2011 17:50:48	15JUN2011 19:28:32	0	0	0	0	0
10	MIP_NL__0PNPDK20110615_192733_000061083103_00301_48591_5501.N1	15JUN2011 19:27:33	15JUN2011 21:09:21	0	0	0	0	0
11	MIP_NL__0PNPDE20110615_210739_000044103103_00302_48592_9045.N1	15JUN2011 21:07:39	15JUN2011 22:21:09	0	0	0	0	0
12	MIP_NL__0PNPDE20110615_222011_000060943103_00302_48592_9046.N1	15JUN2011 22:20:11	16JUN2011 00:01:44	0	0	0	0	0

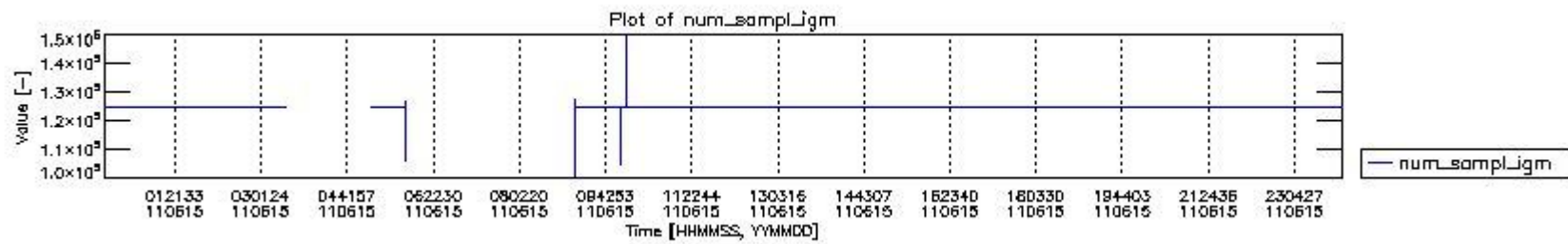
0.2 Instrument Operational Performance Parameters

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.

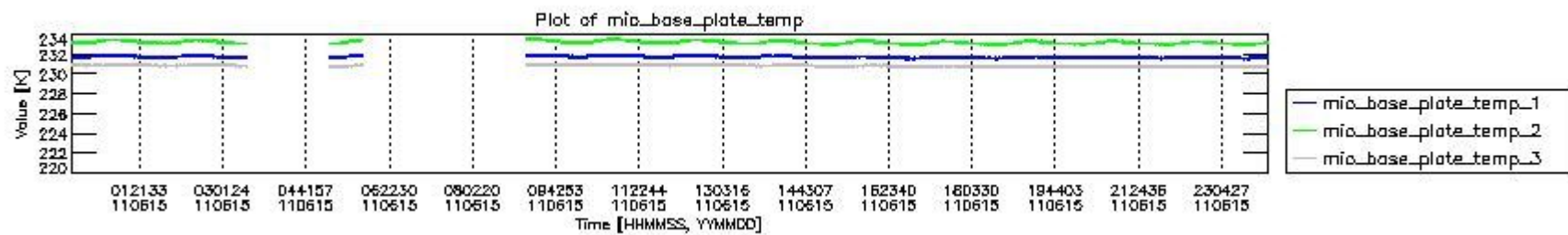
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100780	1	0.0030273674
104708	1	0.0030273674
104748	1	0.0030273674
106269	1	0.0030273674
107870	1	0.0030273674

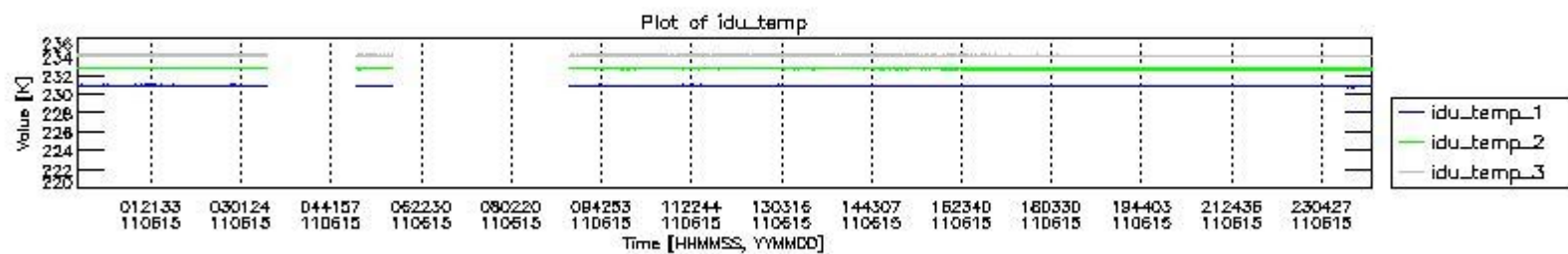
124800	30687	92.900823
124803	2333	7.0628481
124840	1	0.0030273674
126032	1	0.0030273674
126401	1	0.0030273674
127159	1	0.0030273674
127264	1	0.0030273674
147291	1	0.0030273674
149650	1	0.0030273674



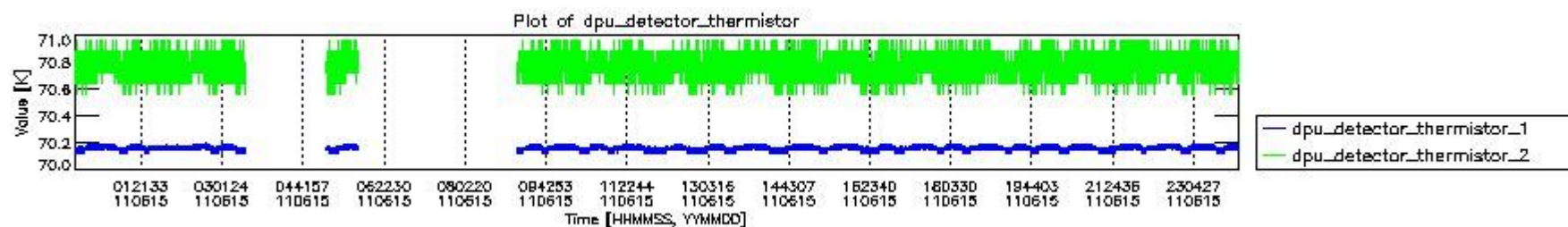
mipas_daily_report_level0_KSPT_L0_4504_N_20110615_0.PNG



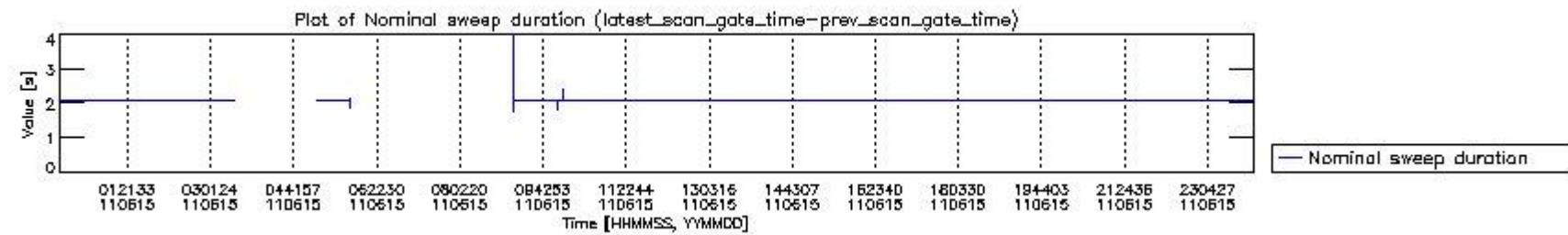
mipas_daily_report_level0_KSPT_L0_4504_N_20110615_1.PNG



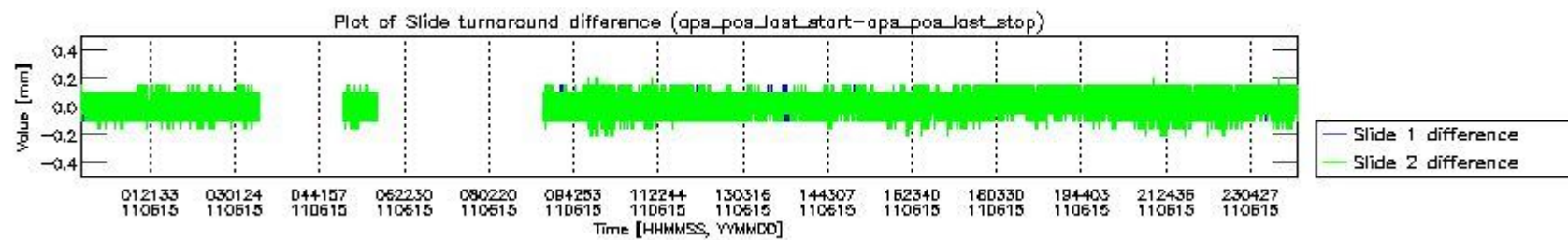
mipas_daily_report_level0_KSPT_L0_4504_N_20110615_2.PNG



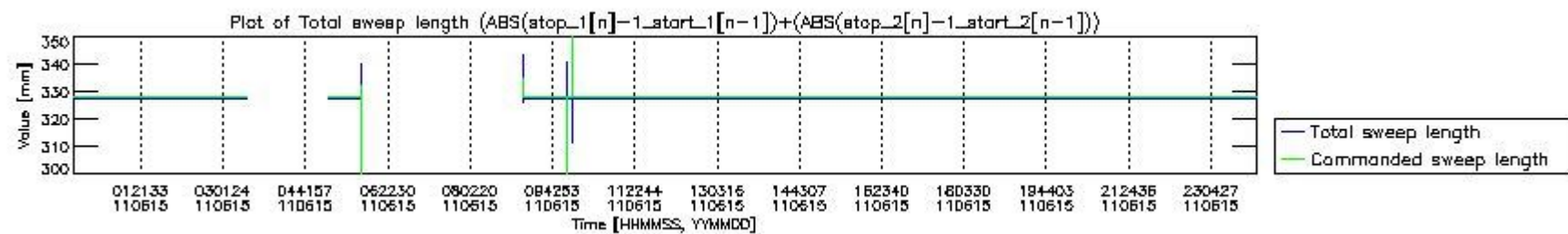
mipas_daily_report_level0_KSPT_L0_4504_N_20110615_3.PNG



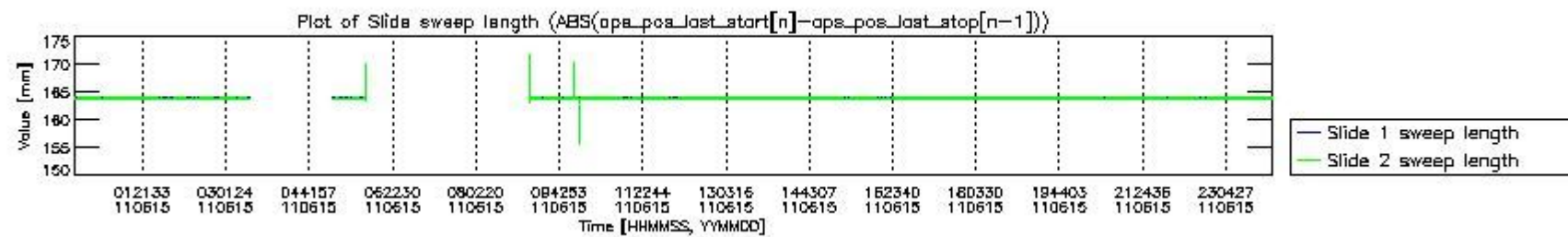
mipas_daily_report_level0_KSPT_L0_4504_N_20110615_4.PNG



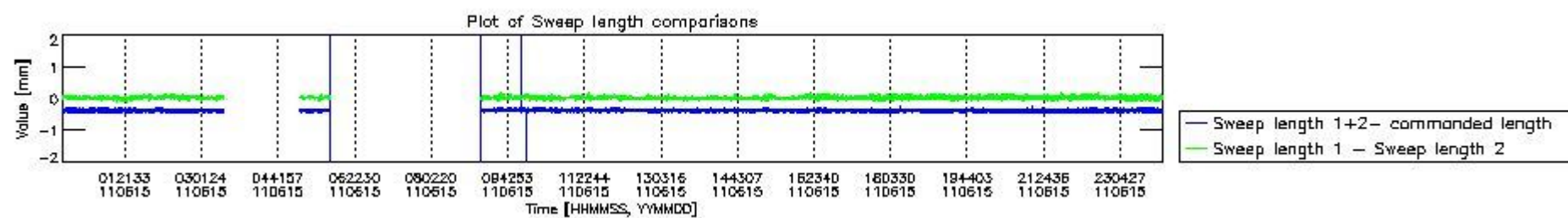
mipas_daily_report_level0_KSPT_L0_4504_N_20110615_5.PNG



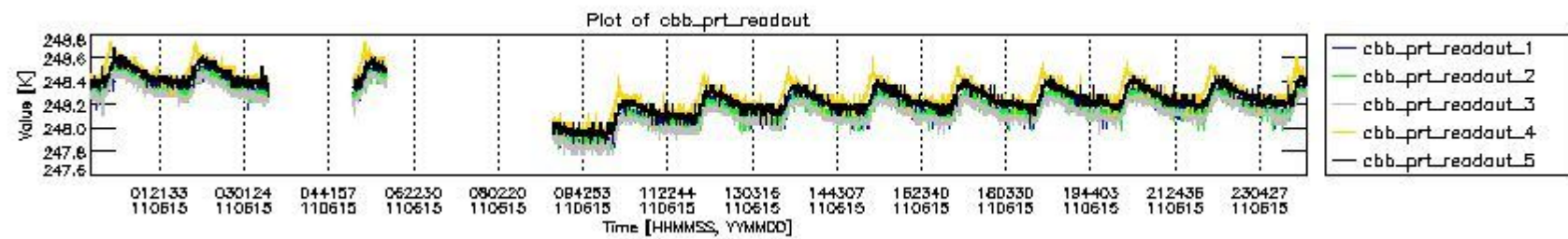
mipas_daily_report_level0_KSPT_L0_4504_N_20110615_6.PNG



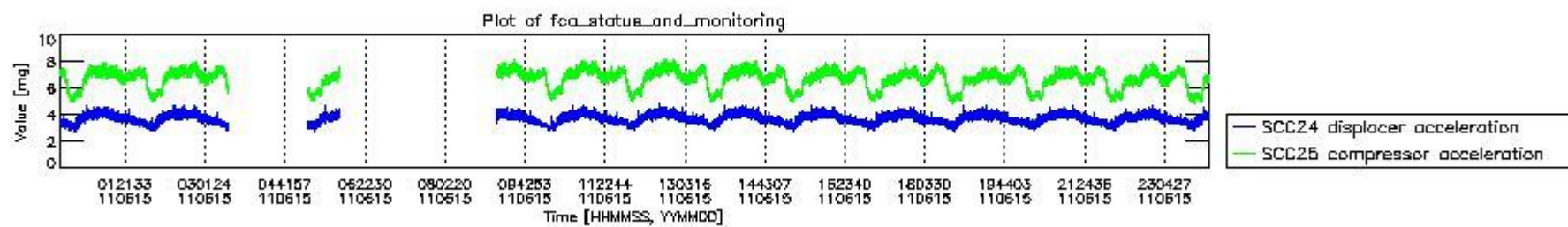
mipas_daily_report_level0_KSPT_L0_4504_N_20110615_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110615_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110615_9.PNG

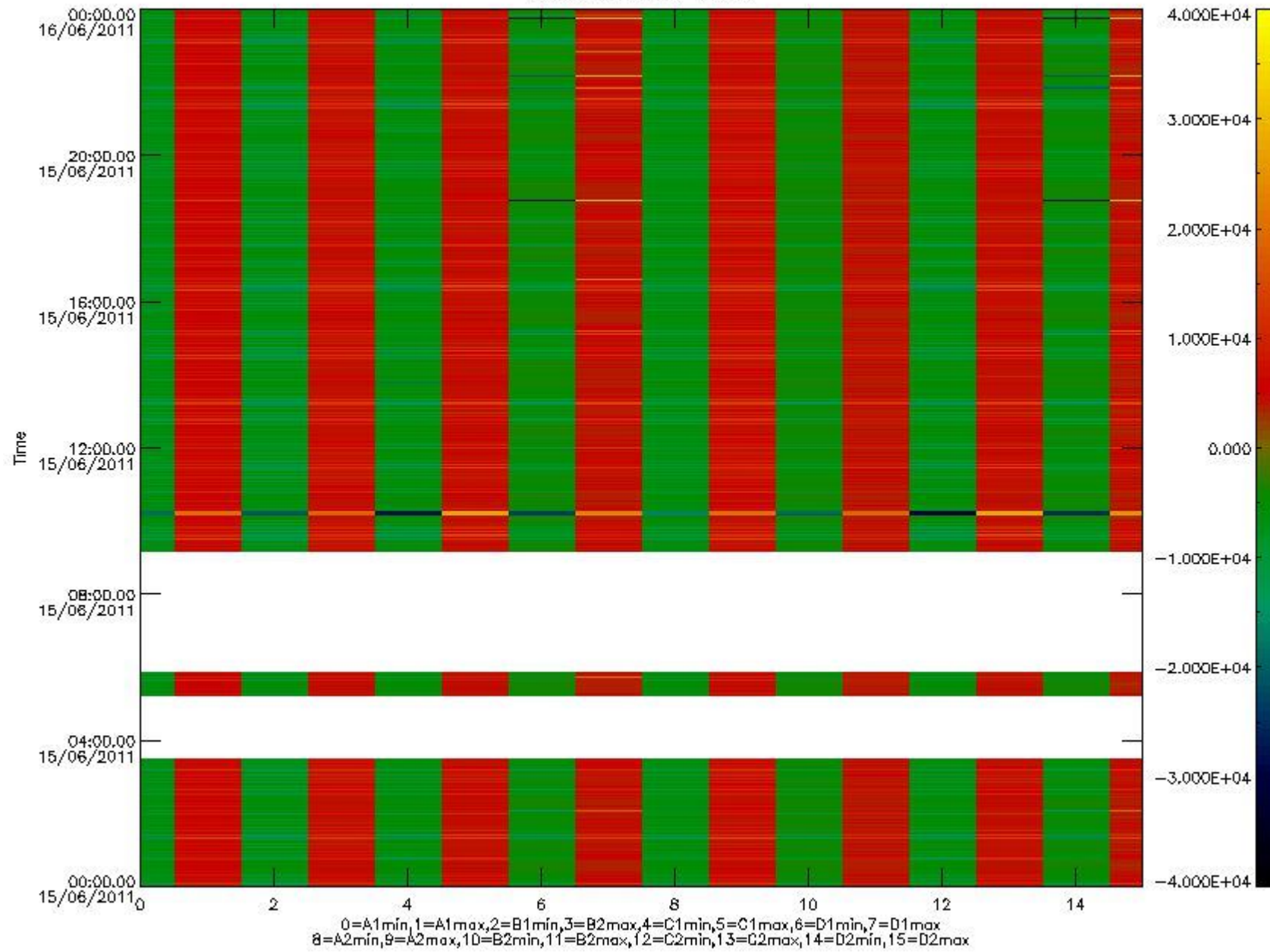


mipas_daily_report_level0_KSPT_L0_4504_N_20110615_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-28317	28377	16bit
D1	-32768	32767	16bit
A2	-32768	28276	16bit
B2	-32768	32767	16bit
C2	-29417	29188	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110615_11.PNG

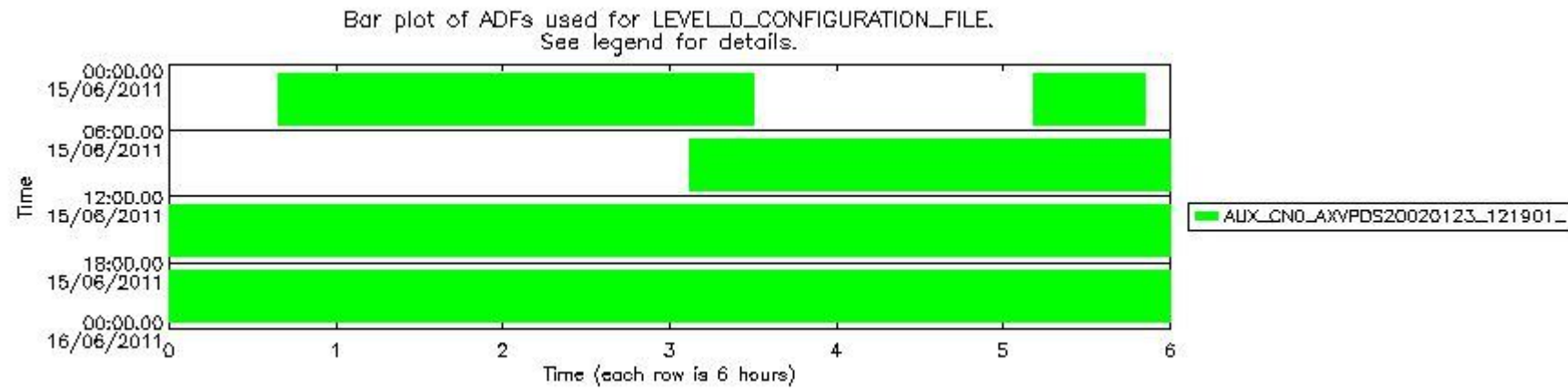
0.3 ADF monitoring

The use of ADFs is shown in two ways:

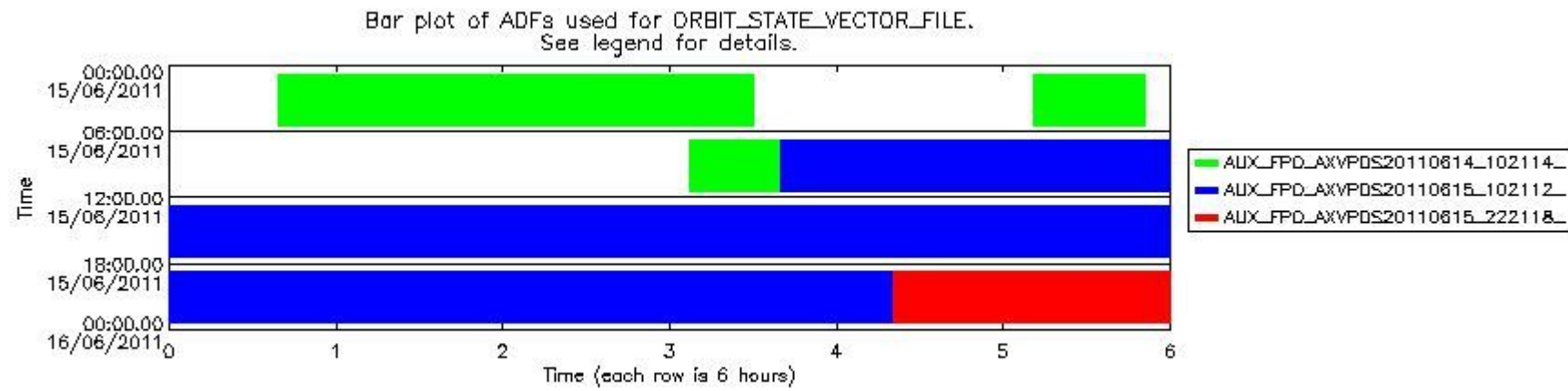
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110614_102114_20110613_184517_20110623_205905
2	AUX_FPO_AXVPDS20110615_102112_20110614_194847_20110624_202221
3	AUX_FPO_AXVPDS20110615_222118_20110615_073024_20110625_094413

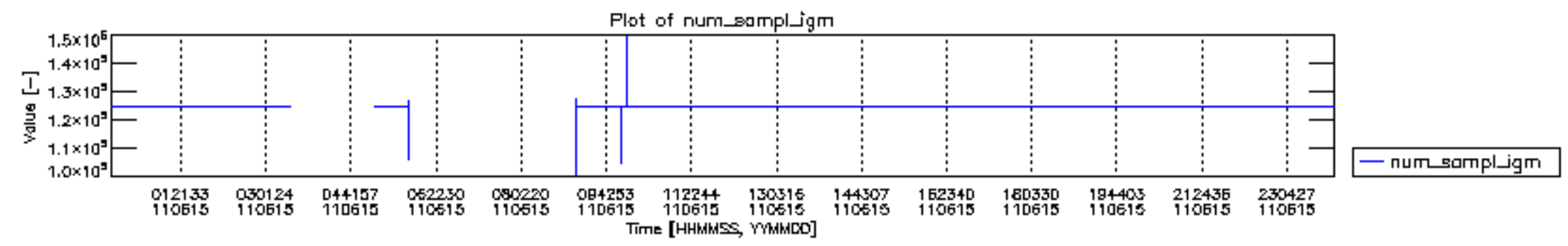
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110615_003903_000058083103_00289_48579_9041.N1	0	1
1	MIP_NL__0PNPDE20110615_021450_000045273103_00290_48580_9042.N1	0	1
2	MIP_NL__0PNPDE20110615_051107_000023813103_00292_48582_9044.N1	0	1
3	MIP_NL__0PNPDK20110615_090723_000020143103_00294_48584_5494.N1	0	1
4	MIP_NL__0PNPDK20110615_094012_000059273103_00295_48585_5495.N1	0	2
5	MIP_NL__0PNPDK20110615_111817_000060063103_00296_48586_5496.N1	0	2
6	MIP_NL__0PNPDK20110615_125752_000059523103_00297_48587_5497.N1	0	2
7	MIP_NL__0PNPDK20110615_143622_000058413103_00298_48588_5498.N1	0	2
8	MIP_NL__0PNPDK20110615_161310_000059083103_00299_48589_5499.N1	0	2
9	MIP_NL__0PNPDK20110615_175048_000058643103_00300_48590_5500.N1	0	2
10	MIP_NL__0PNPDK20110615_192733_000061083103_00301_48591_5501.N1	0	2
11	MIP_NL__0PNPDE20110615_210739_000044103103_00302_48592_9045.N1	0	2
12	MIP_NL__0PNPDE20110615_222011_000060943103_00302_48592_9046.N1	0	3

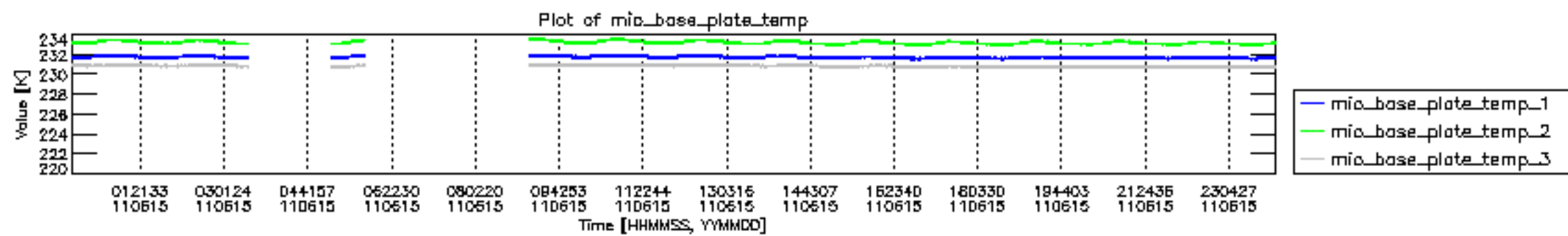


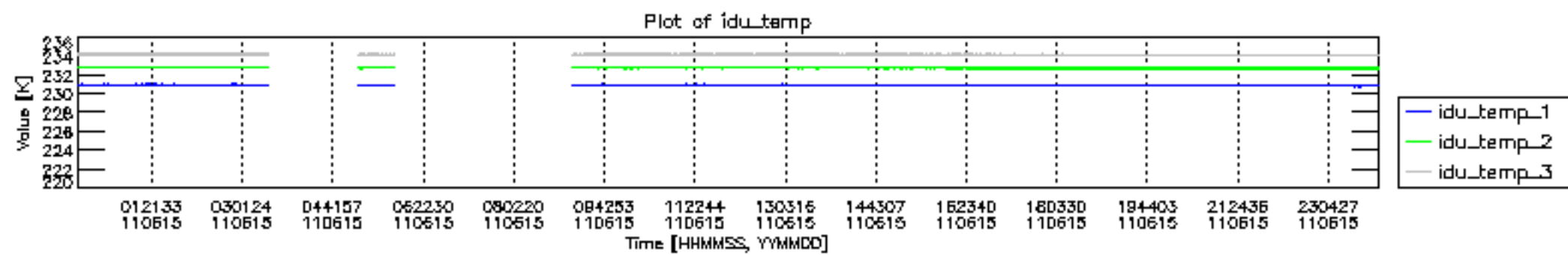
mipas_daily_report_level0_KSPT_L0_4504_N_20110615_12.PNG

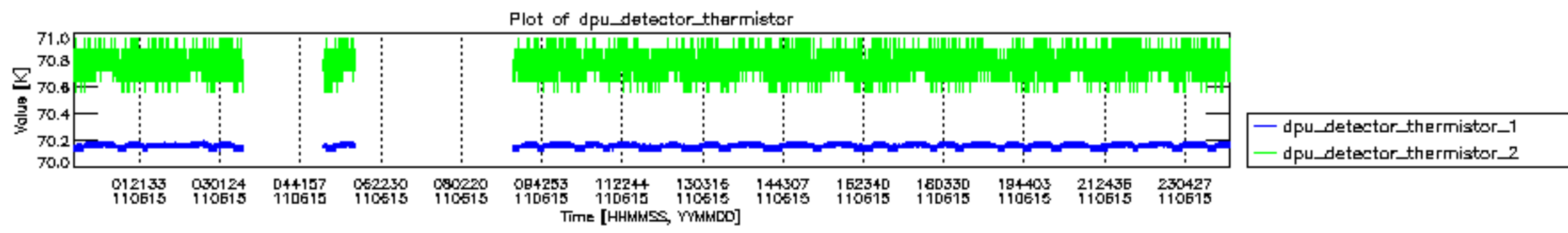


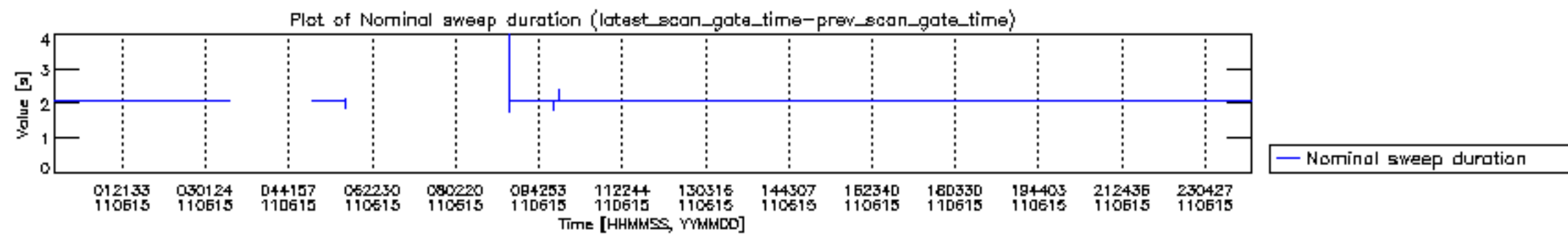
mipas_daily_report_level0_KSPT_L0_4504_N_20110615_13.PNG

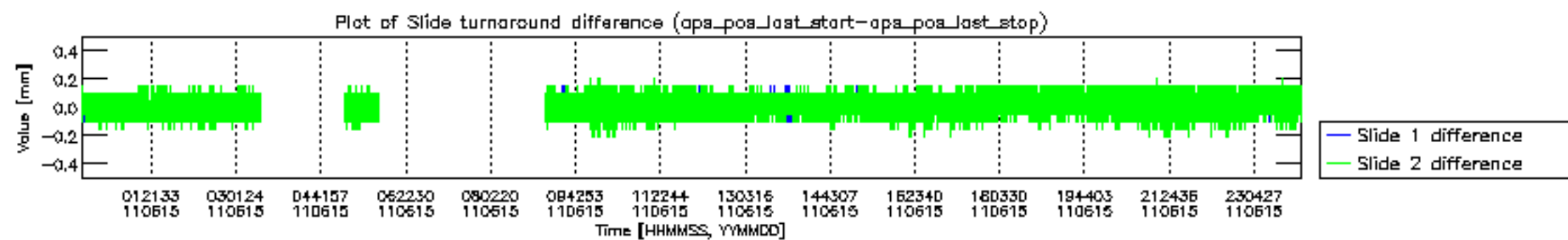


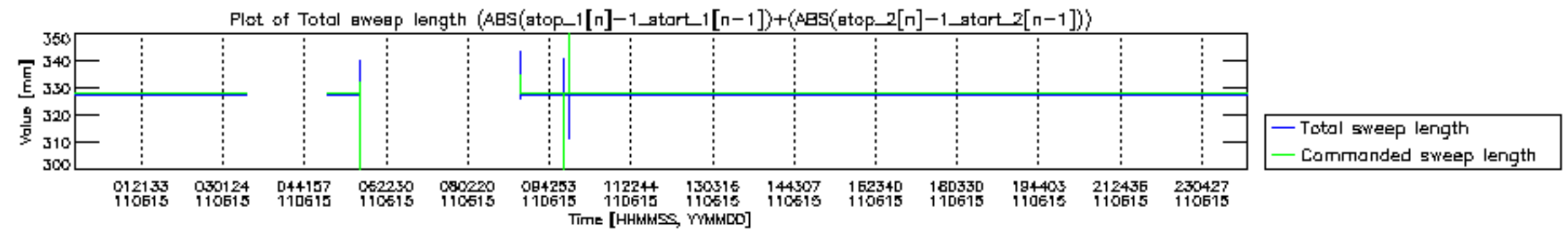


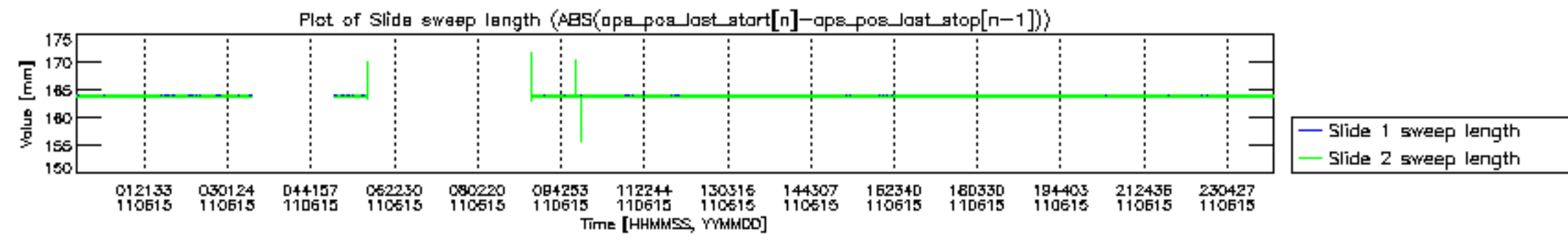


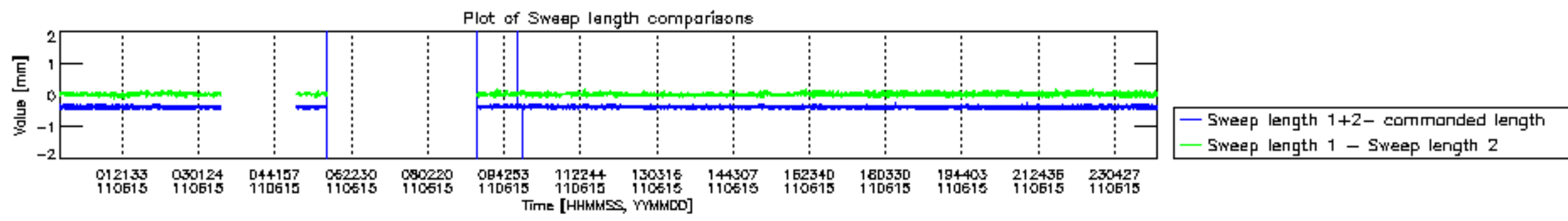


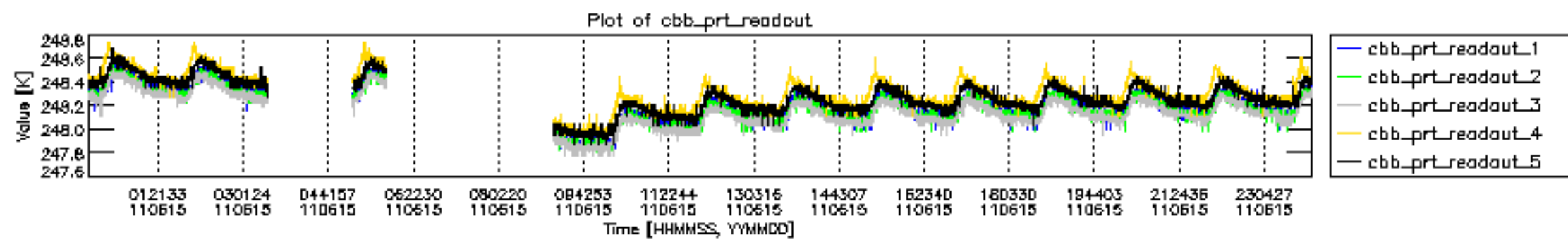


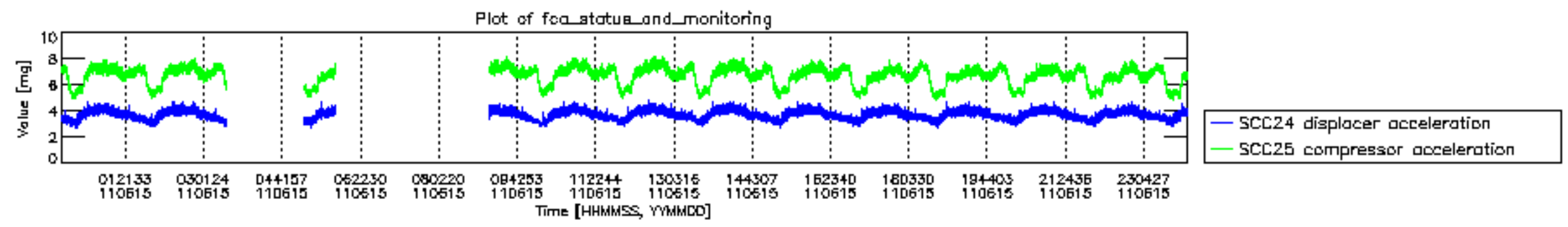




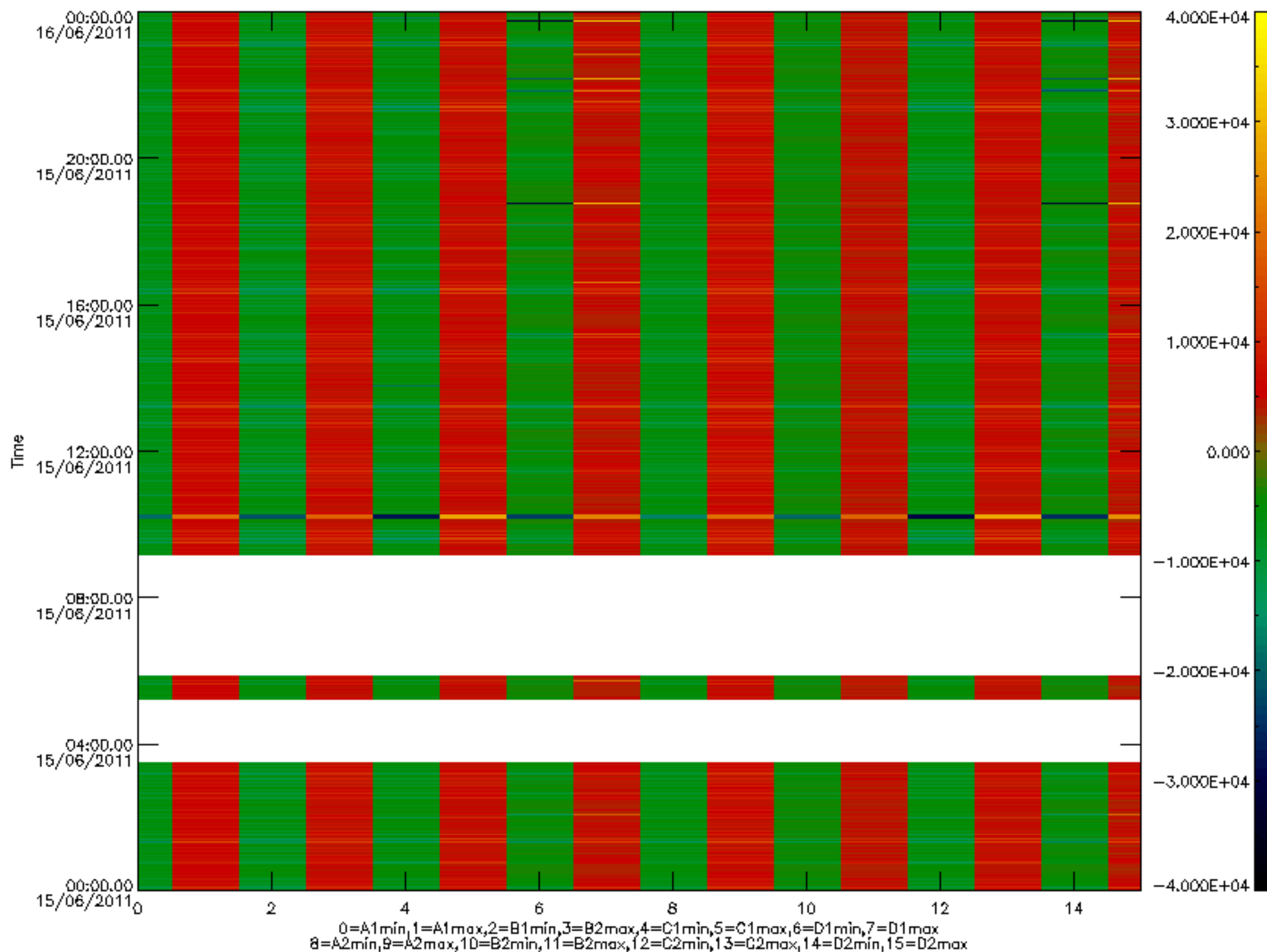


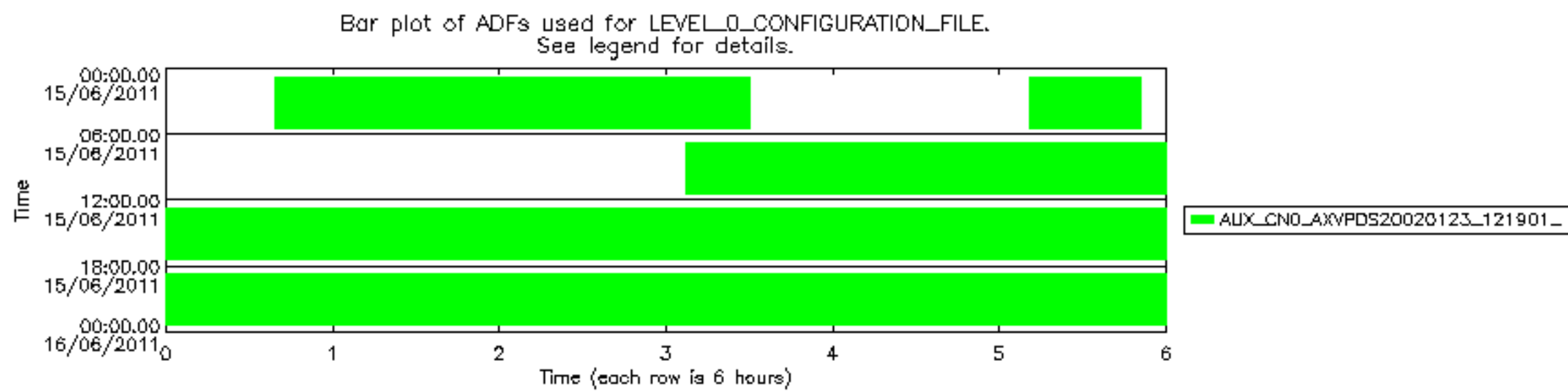






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

