

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	21NOV2011 05:24:37
Data source version	KSPT_L0/4504-N
Processing scope for products	16NOV2011 00:00:00 to 17NOV2011 00:00:00
Start time of first product within scope	16NOV2011 01:31:55
Stop time of last product within scope	17NOV2011 00:58:03
Total number of level 0 products	15
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__0PNPDE20111116_013155_000043253108_00347_50792_4845.N1	16NOV2011 01:31:55	16NOV2011 02:44:00	0	0	0	0	0
1	MIP_NL__0PNPDE20111116_024327_000061823108_00348_50793_4846.N1	16NOV2011 02:43:27	16NOV2011 04:26:28	0	0	0	0	0
2	MIP_NL__0PNPDE20111116_042555_000060523108_00349_50794_4847.N1	16NOV2011 04:25:55	16NOV2011 06:06:47	0	0	0	0	0
3	MIP_NL__0PNPDK20111116_060613_000040863108_00350_50795_7537.N1	16NOV2011 06:06:13	16NOV2011 07:14:20	0	0	0	0	0
4	MIP_NL__0PNPDK20111116_071321_000061553108_00351_50796_7538.N1	16NOV2011 07:13:21	16NOV2011 08:55:57	0	0	0	0	0
5	MIP_NL__0PNPDK20111116_085448_000058773108_00352_50797_7539.N1	16NOV2011 08:54:48	16NOV2011 10:32:44	0	0	0	0	0
6	MIP_NL__0PNPDK20111116_103106_000060623108_00353_50798_7540.N1	16NOV2011 10:31:06	16NOV2011 12:12:09	0	0	0	0	0
7	MIP_NL__0PNPDK20111116_121028_000060883108_00354_50799_7541.N1	16NOV2011 12:10:28	16NOV2011 13:51:56	0	0	0	0	0
8	MIP_NL__0PNPDK20111116_135018_000059273108_00355_50800_7542.N1	16NOV2011 13:50:18	16NOV2011 15:29:04	0	0	0	0	0
9	MIP_NL__0PNPDK20111116_152818_000059503108_00356_50801_7543.N1	16NOV2011 15:28:18	16NOV2011 17:07:28	0	0	0	0	0
10	MIP_NL__0PNPDK20111116_170600_000059043108_00357_50802_7544.N1	16NOV2011 17:06:00	16NOV2011 18:44:24	0	0	0	0	0
11	MIP_NL__0PNPDK20111116_184317_000060293108_00358_50803_7545.N1	16NOV2011 18:43:17	16NOV2011 20:23:46	0	0	0	0	0
12	MIP_NL__0PNPDE20111116_202145_000044003108_00359_50804_4848.N1	16NOV2011 20:21:45	16NOV2011 21:35:04	0	0	0	0	0
13	MIP_NL__0PNPDE20111116_213408_000061153108_00359_50804_4849.N1	16NOV2011 21:34:08	16NOV2011 23:16:03	0	0	0	0	0
14	MIP_NL__0PNPDE20111116_231456_000061883108_00360_50805_4850.N1	16NOV2011 23:14:56	17NOV2011 00:58:03	0	0	0	0	0

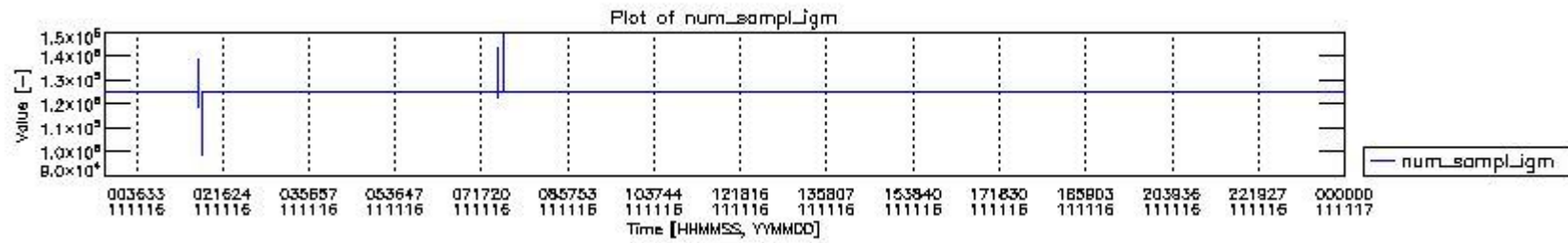
0.2 Instrument Operational Performance Parameters

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.

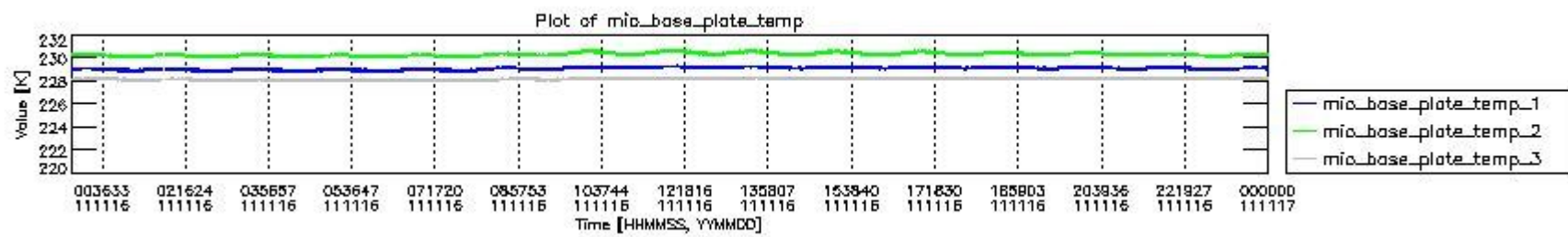
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98624	1	0.0024091741
118981	1	0.0024091741
122952	1	0.0024091741

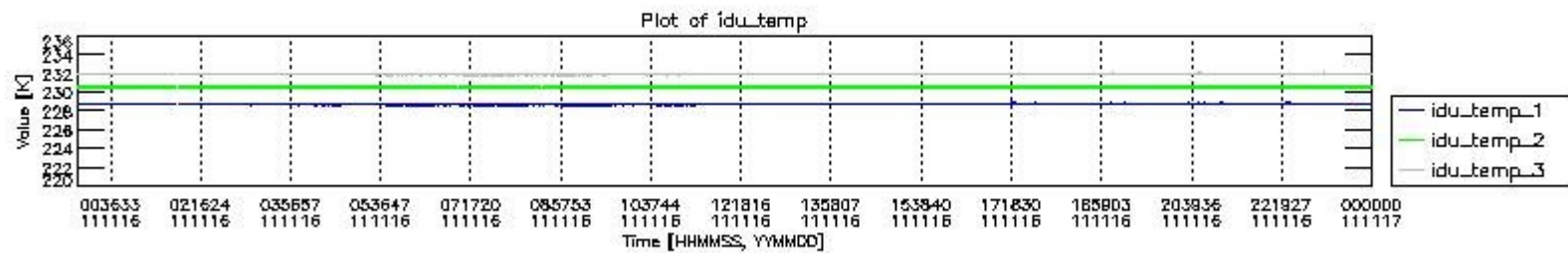
123070	1	0.0024091741
123876	1	0.0024091741
124800	38566	92.912210
124803	2930	7.0588802
127085	1	0.0024091741
133294	1	0.0024091741
139113	1	0.0024091741
141472	1	0.0024091741
143202	1	0.0024091741
147217	1	0.0024091741
149502	1	0.0024091741



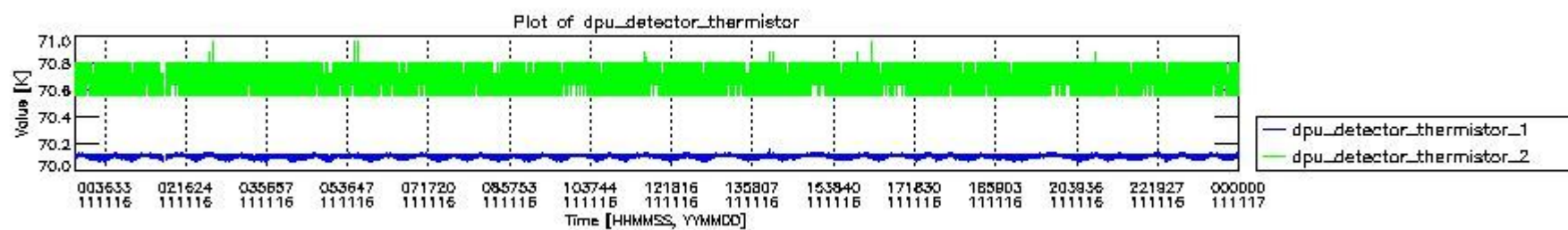
mipas_daily_report_level0_KSPT_L0_4504_N_20111116_0.PNG



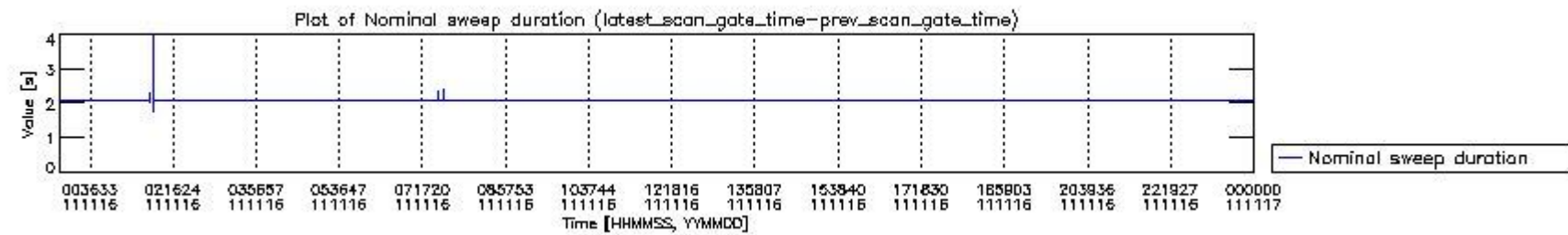
mipas_daily_report_level0_KSPT_L0_4504_N_20111116_1.PNG



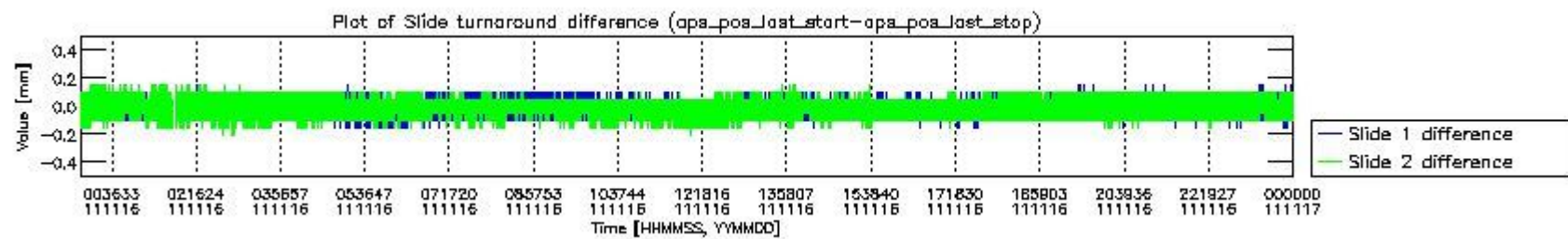
mipas_daily_report_level0_KSPT_L0_4504_N_20111116_2.PNG



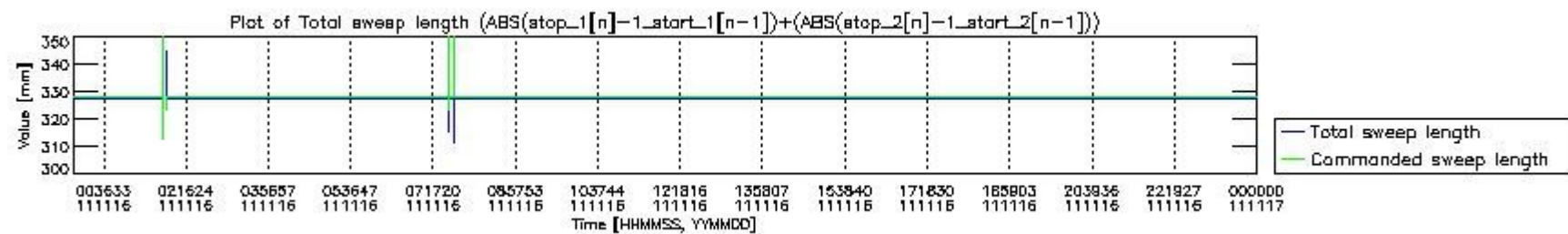
mipas_daily_report_level0_KSPT_L0_4504_N_20111116_3.PNG



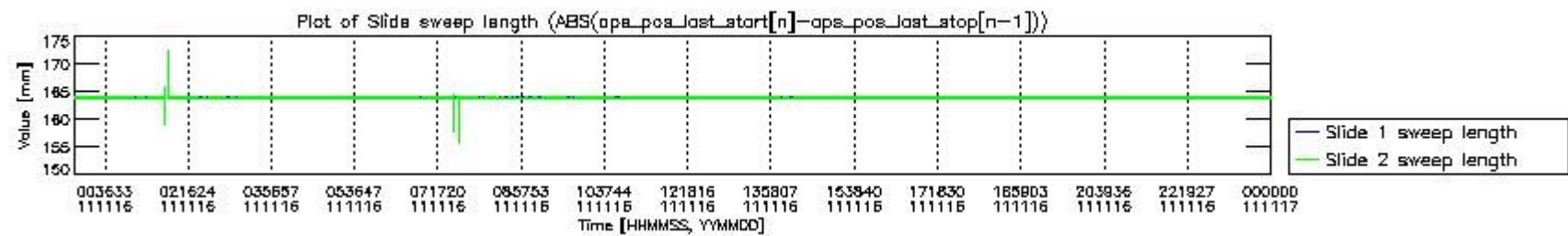
mipas_daily_report_level0_KSPT_L0_4504_N_20111116_4.PNG



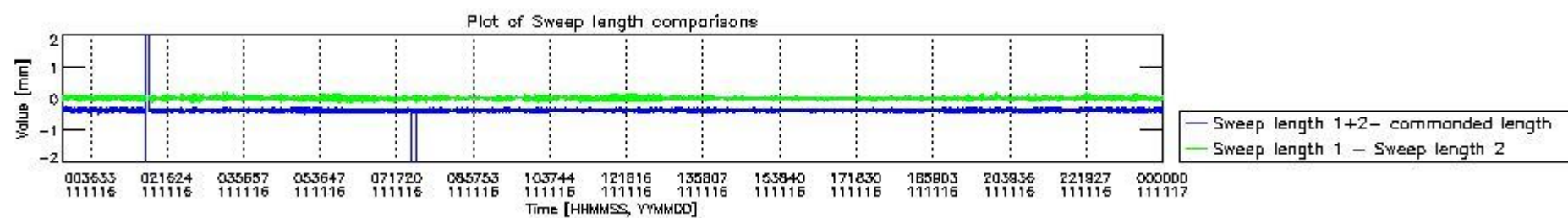
mipas_daily_report_level0_KSPT_L0_4504_N_20111116_5.PNG



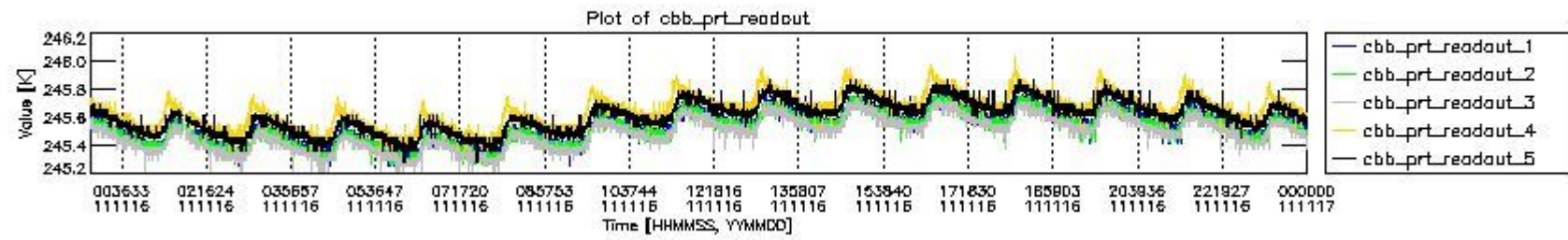
mipas_daily_report_level0_KSPT_L0_4504_N_20111116_6.PNG



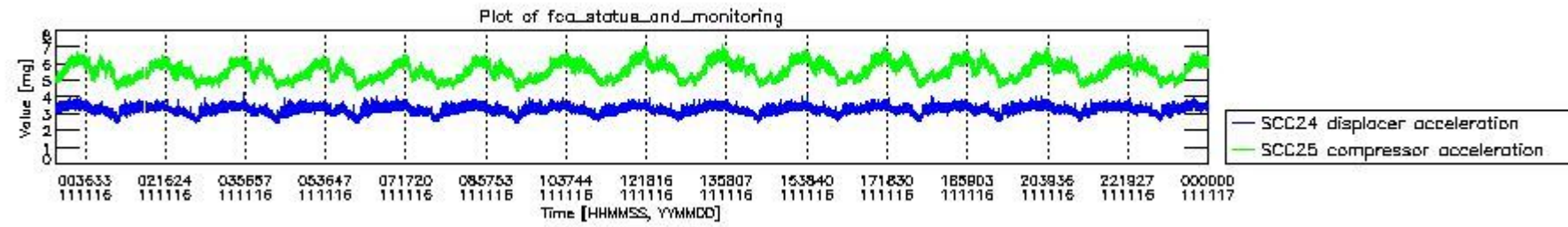
mipas_daily_report_level0_KSPT_L0_4504_N_20111116_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111116_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111116_9.PNG

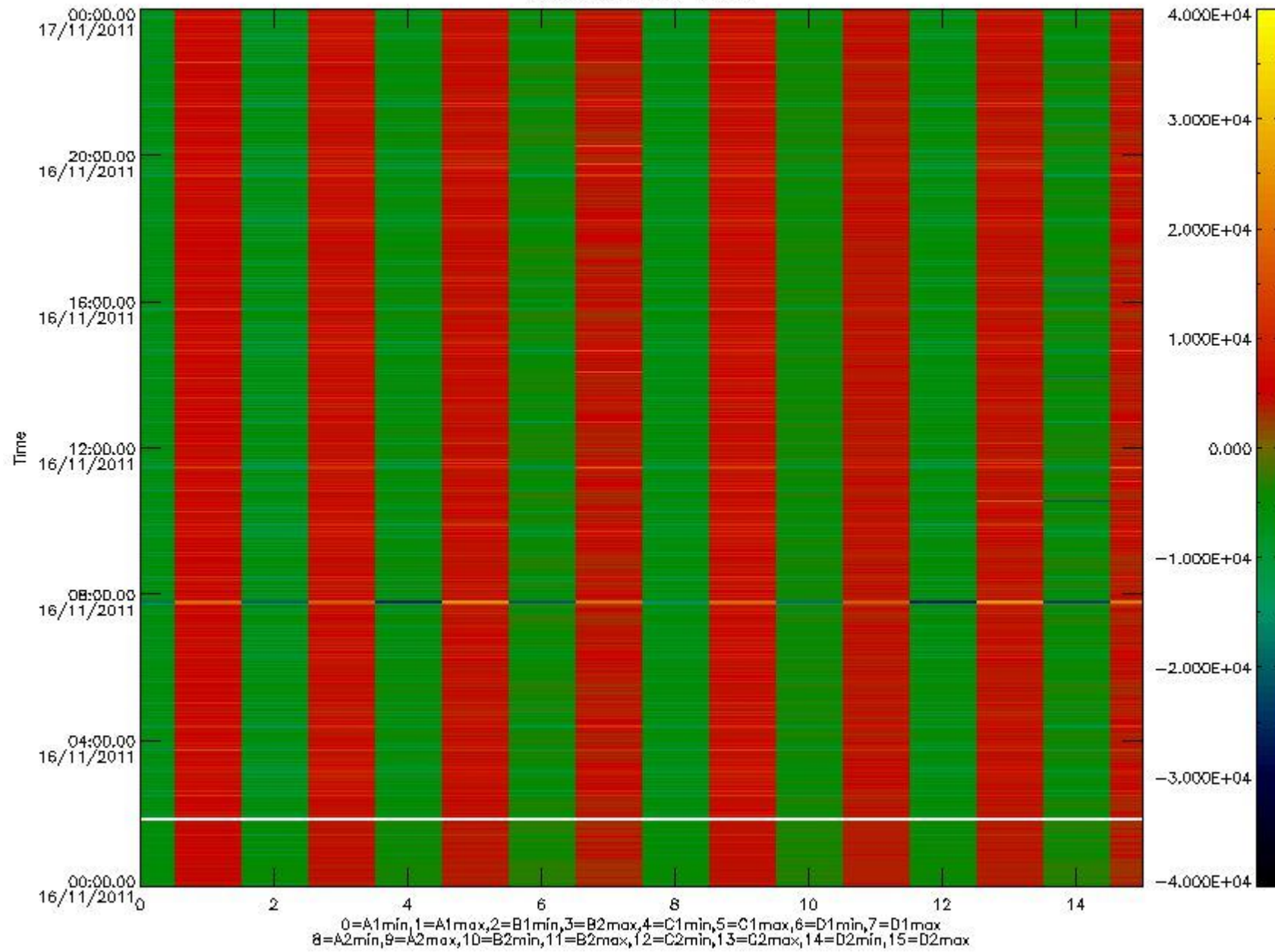


mipas_daily_report_level0_KSPT_L0_4504_N_20111116_10.PNG

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

Channel	Min	Max	ADC
A1	-18449	19572	16bit
B1	-20844	17879	16bit
C1	-25637	25508	16bit
D1	-32482	32767	16bit
A2	-15968	19752	16bit
B2	-18796	18426	16bit
C2	-26687	26263	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_20111116_11.PNG

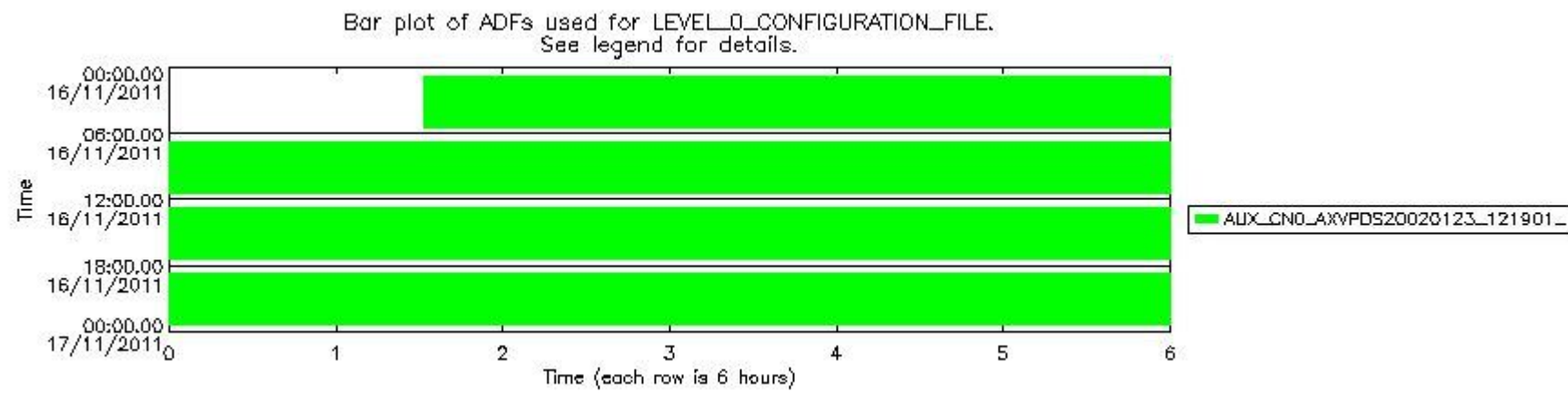
0.3 ADF monitoring

The use of ADFs is shown in two ways:

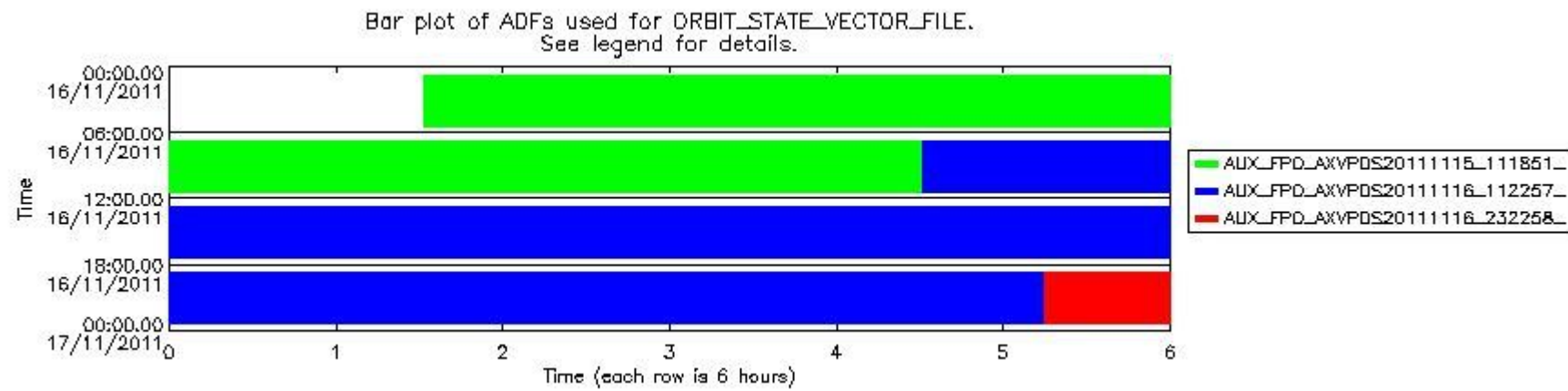
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111115_111851_20111114_194031_20111124_201400
2	AUX_FPO_AXVPDS20111116_112257_20111115_190346_20111125_211728
3	AUX_FPO_AXVPDS20111116_232258_20111116_182701_20111126_204044

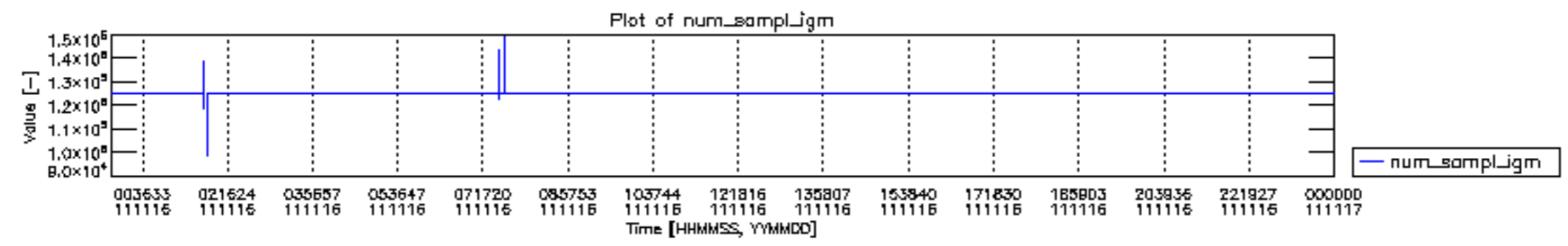
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111116_013155_000043253108_00347_50792_4845.N1	0	1
1	MIP_NL__0PNPDE20111116_024327_000061823108_00348_50793_4846.N1	0	1
2	MIP_NL__0PNPDE20111116_042555_000060523108_00349_50794_4847.N1	0	1
3	MIP_NL__0PNPDK20111116_060613_000040863108_00350_50795_7537.N1	0	1
4	MIP_NL__0PNPDK20111116_071321_000061553108_00351_50796_7538.N1	0	1
5	MIP_NL__0PNPDK20111116_085448_000058773108_00352_50797_7539.N1	0	1
6	MIP_NL__0PNPDK20111116_103106_000060623108_00353_50798_7540.N1	0	2
7	MIP_NL__0PNPDK20111116_121028_000060883108_00354_50799_7541.N1	0	2
8	MIP_NL__0PNPDK20111116_135018_000059273108_00355_50800_7542.N1	0	2
9	MIP_NL__0PNPDK20111116_152818_000059503108_00356_50801_7543.N1	0	2
10	MIP_NL__0PNPDK20111116_170600_000059043108_00357_50802_7544.N1	0	2
11	MIP_NL__0PNPDK20111116_184317_000060293108_00358_50803_7545.N1	0	2
12	MIP_NL__0PNPDE20111116_202145_000044003108_00359_50804_4848.N1	0	2
13	MIP_NL__0PNPDE20111116_213408_000061153108_00359_50804_4849.N1	0	2
14	MIP_NL__0PNPDE20111116_231456_000061883108_00360_50805_4850.N1	0	3

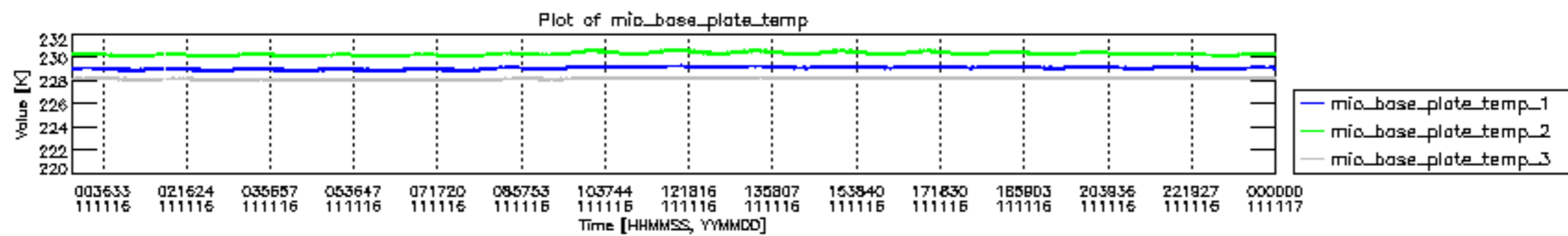


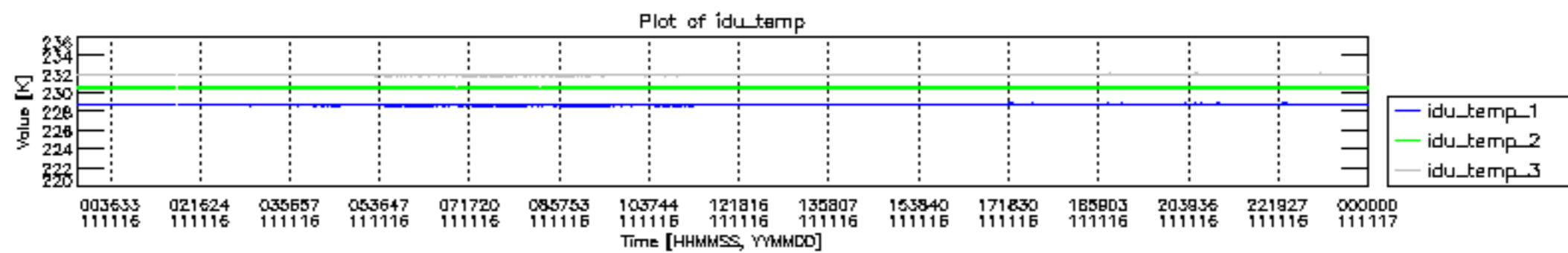
mipas_daily_report_level0_KSPT_L0_4504_N_20111116_12.PNG

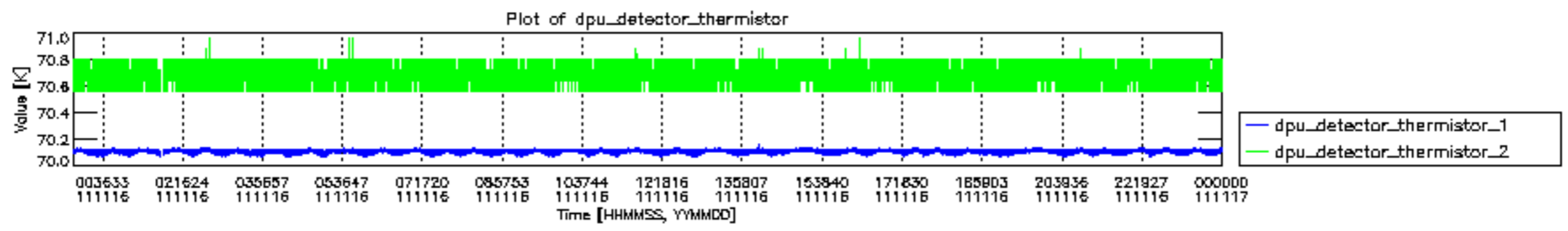


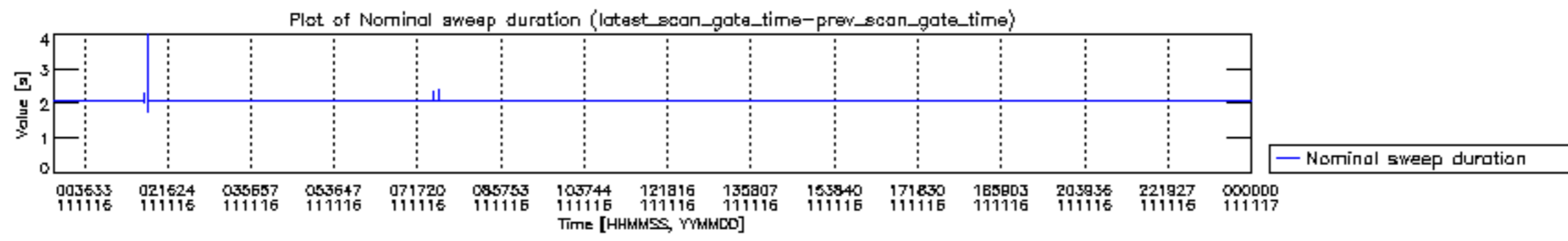
mipas_daily_report_level0_KSPT_L0_4504_N_20111116_13.PNG

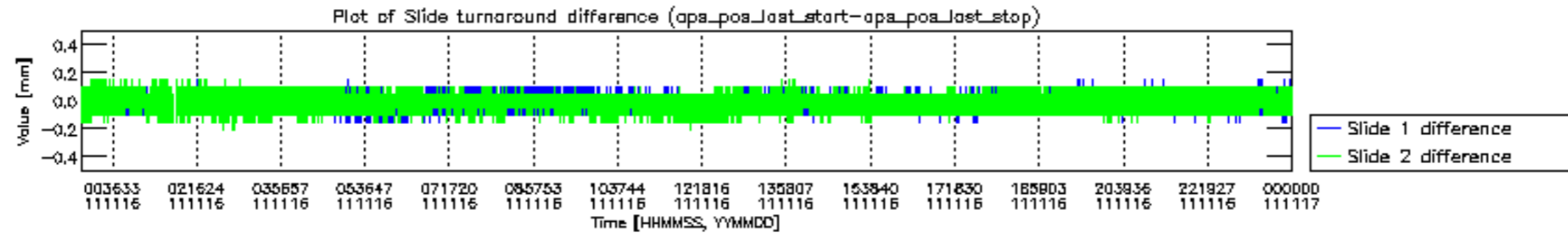


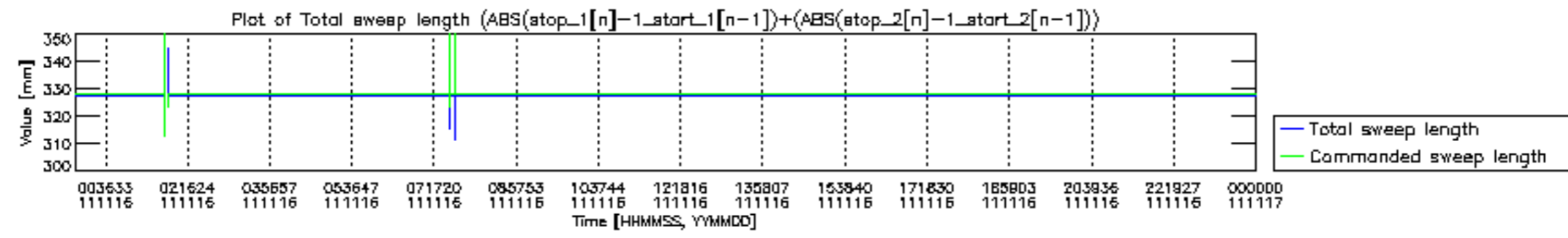


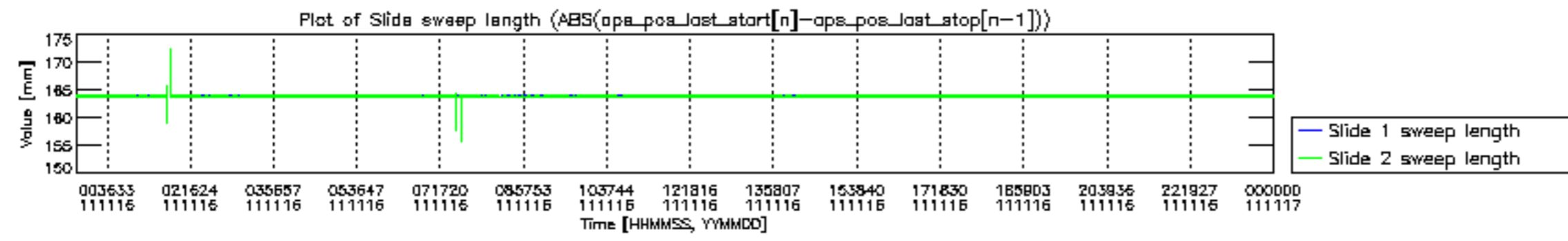


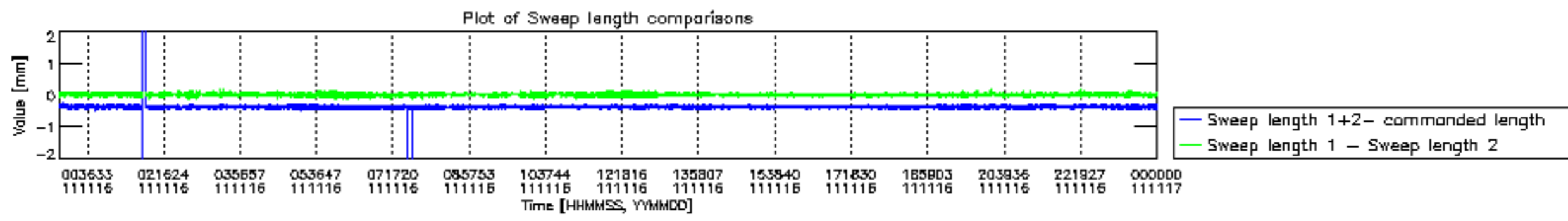


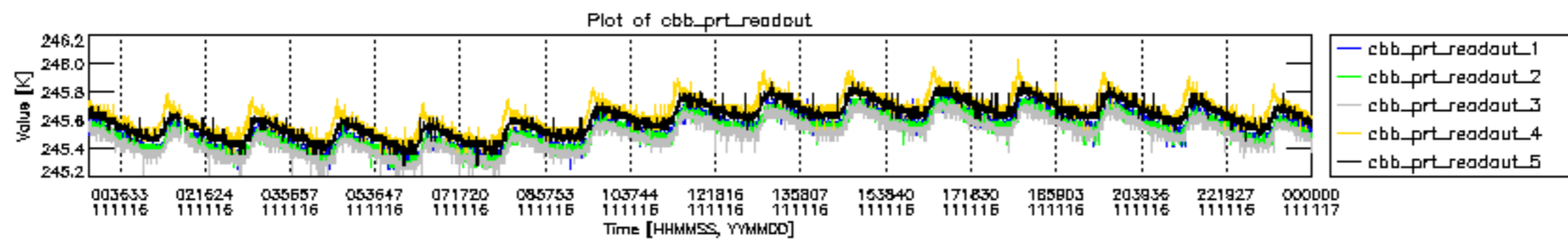


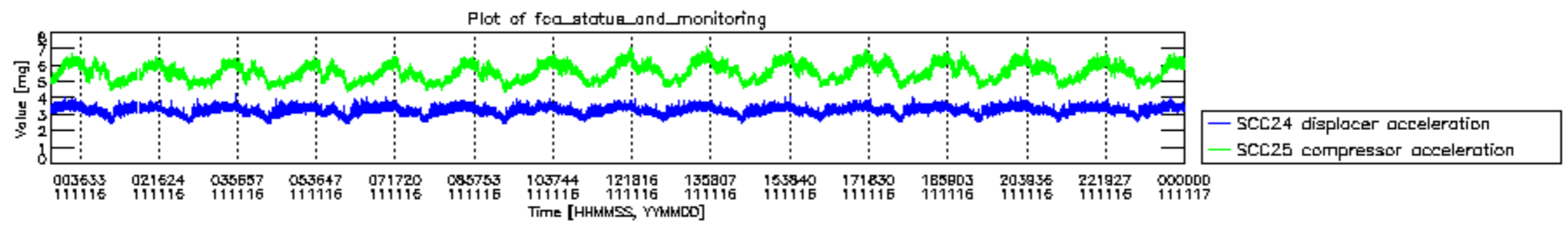




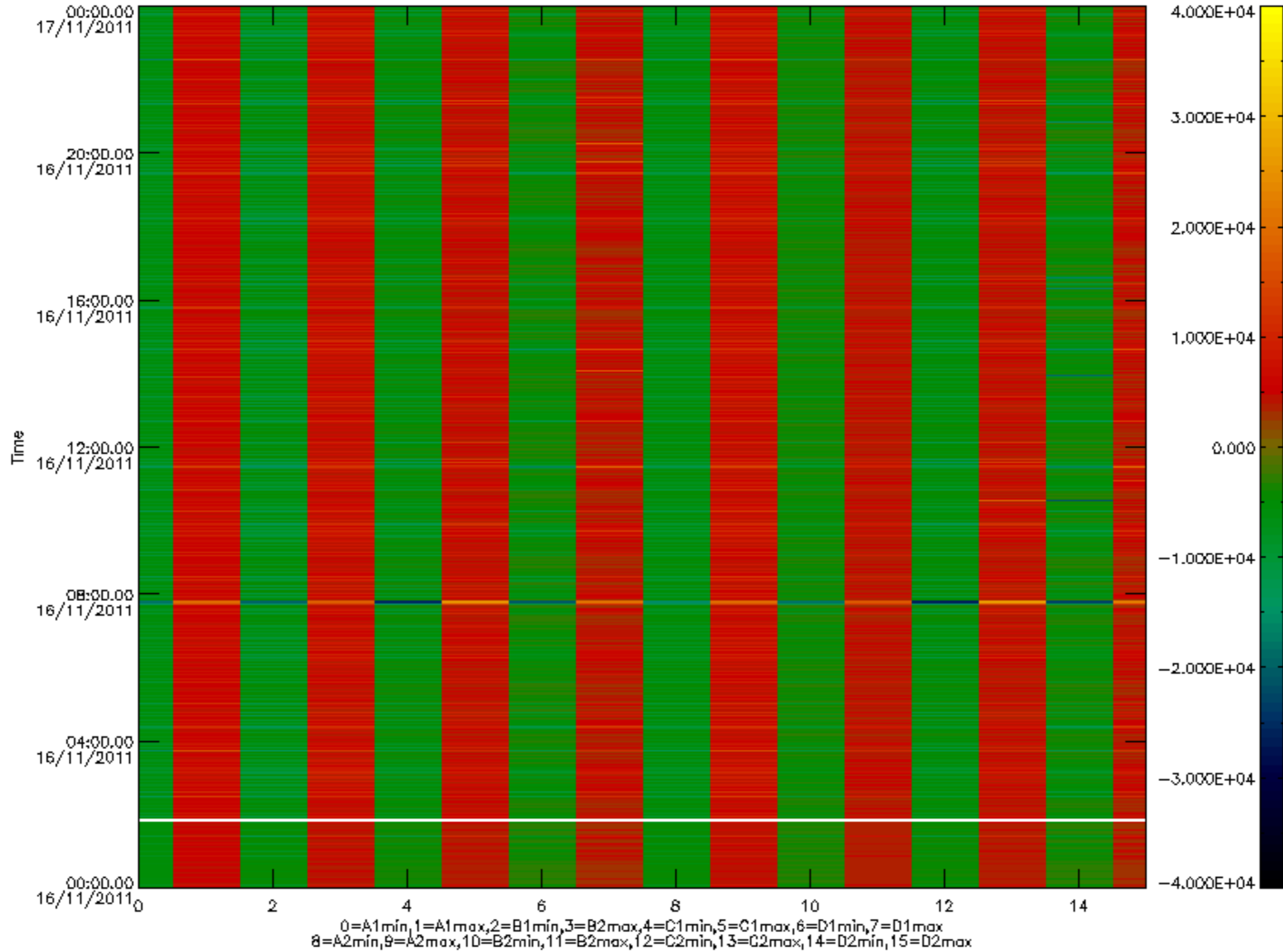


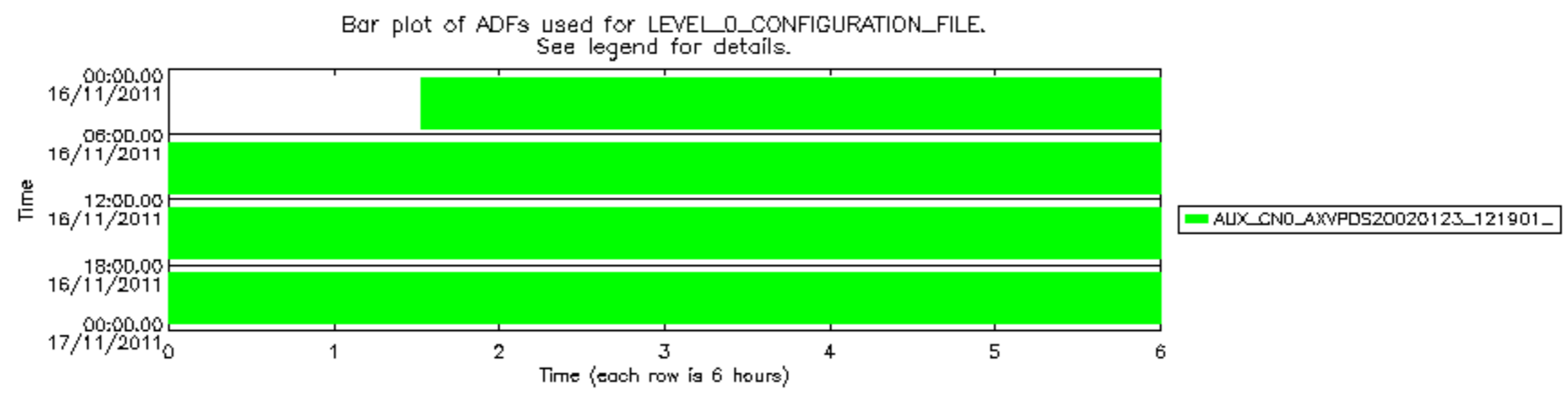






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

