

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	19SEP2011 05:25:06
Data source version	KSPT_L0/4504-N
Processing scope for products	14SEP2011 00:00:00 to 15SEP2011 00:00:00
Start time of first product within scope	14SEP2011 00:02:11
Stop time of last product within scope	15SEP2011 01:07:02
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__OPNPDE20110914_000211_000059373106_00303_49886_9632.N1	14SEP2011 00:02:11	14SEP2011 01:41:08	0	0	0	0	0
1	MIP_NL__OPNPDE20110914_025320_000061543106_00305_49888_9634.N1	14SEP2011 02:53:20	14SEP2011 04:35:55	0	0	0	0	0
2	MIP_NL__OPNPDE20110914_043521_000060583106_00306_49889_9635.N1	14SEP2011 04:35:21	14SEP2011 06:16:19	0	0	0	0	0
3	MIP_NL__OPNPDK20110914_061546_000041133106_00307_49890_6309.N1	14SEP2011 06:15:46	14SEP2011 07:24:19	0	0	0	0	0
4	MIP_NL__OPNPDK20110914_072346_000060943106_00308_49891_6310.N1	14SEP2011 07:23:46	14SEP2011 09:05:19	0	0	0	0	0
5	MIP_NL__OPNPDK20110914_090446_000059813106_00309_49892_6311.N1	14SEP2011 09:04:46	14SEP2011 10:44:27	0	0	0	0	0
6	MIP_NL__OPNPDK20110914_104343_000059413106_00310_49893_6312.N1	14SEP2011 10:43:43	14SEP2011 12:22:44	0	0	0	0	0
7	MIP_NL__OPNPDK20110914_122201_000060163106_00311_49894_6313.N1	14SEP2011 12:22:01	14SEP2011 14:02:17	0	0	0	0	0
8	MIP_NL__OPNPDK20110914_140143_000058473106_00312_49895_6314.N1	14SEP2011 14:01:43	14SEP2011 15:39:10	0	0	0	0	0
9	MIP_NL__OPNPDK20110914_153734_000059063106_00313_49896_6315.N1	14SEP2011 15:37:34	14SEP2011 17:16:00	0	0	0	0	0
10	MIP_NL__OPNPDK20110914_171501_000059583106_00314_49897_6316.N1	14SEP2011 17:15:01	14SEP2011 18:54:19	0	0	0	0	0
11	MIP_NL__OPNPDK20110914_185323_000060143106_00315_49898_6317.N1	14SEP2011 18:53:23	14SEP2011 20:33:37	0	0	0	0	0
12	MIP_NL__OPNPDE20110914_203232_000043683106_00316_49899_9636.N1	14SEP2011 20:32:32	14SEP2011 21:45:21	0	0	0	0	0
13	MIP_NL__OPNPDE20110914_214424_000061633106_00316_49899_9637.N1	14SEP2011 21:44:24	14SEP2011 23:27:07	0	0	0	0	0
14	MIP_NL__OPNPDE20110914_232608_000060543106_00317_49900_9638.N1	14SEP2011 23:26:08	15SEP2011 01:07:02	0	0	0	0	0

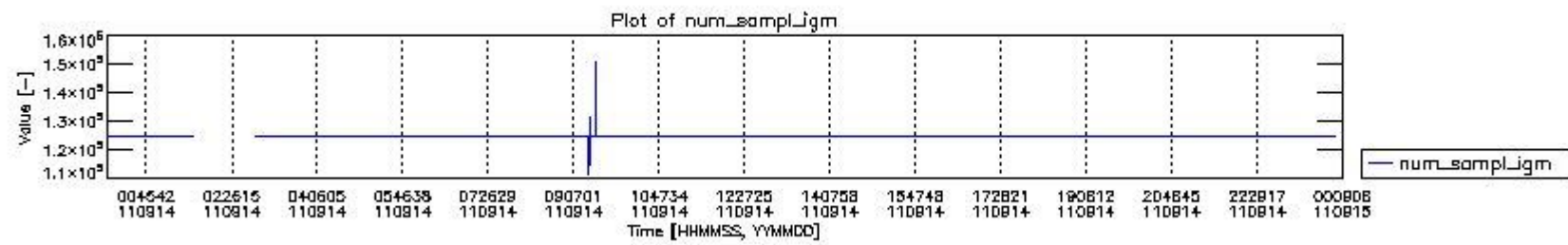
0.2 Instrument Operational Performance Parameters

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.

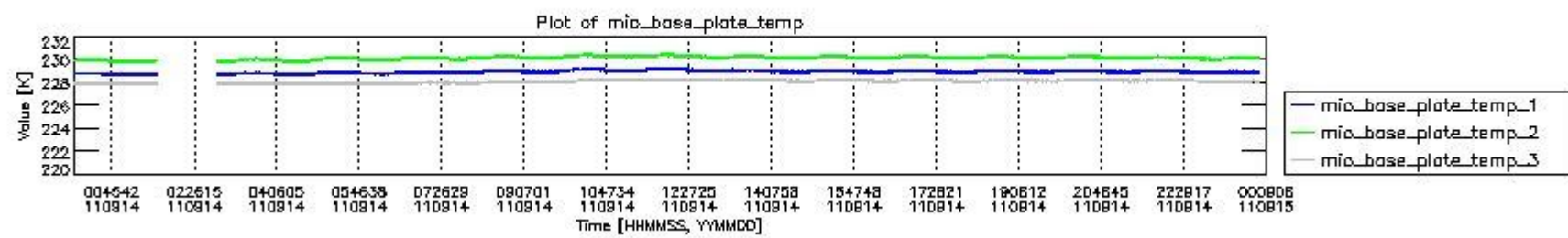
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
111324	1	0.0025319661
117980	1	0.0025319661
124800	36688	92.892771

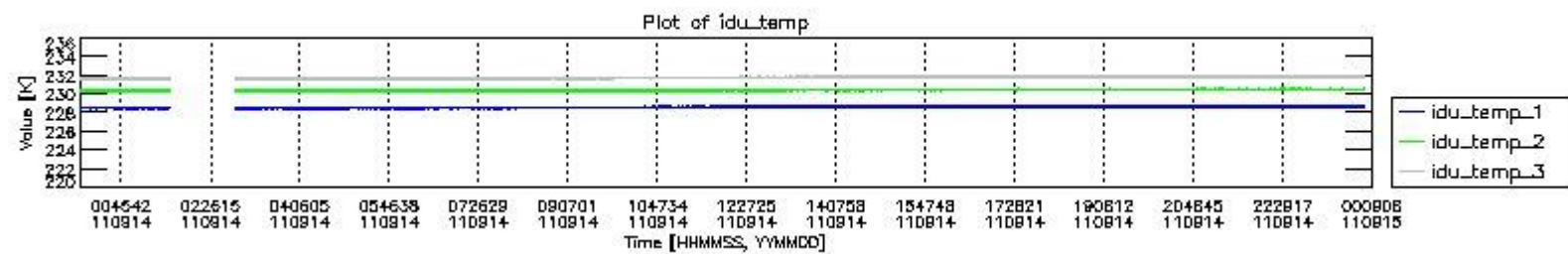
124803	2801	7.0920370
127605	1	0.0025319661
131456	1	0.0025319661
147737	1	0.0025319661
150542	1	0.0025319661



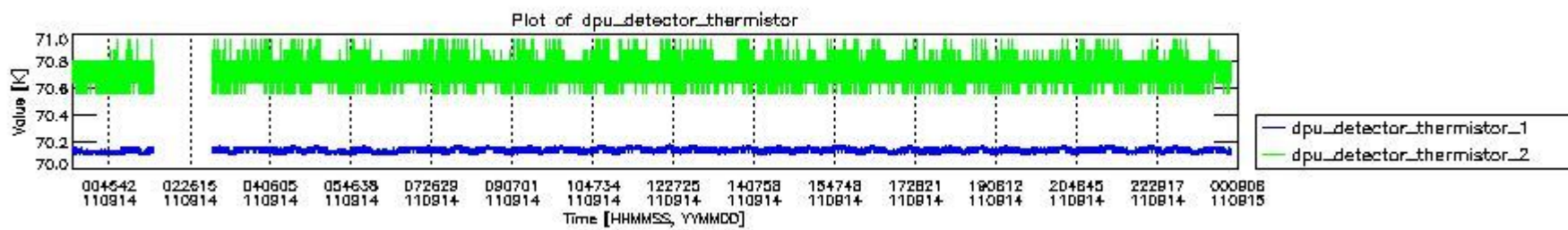
mipas_daily_report_level0_KSPT_L0_4504_N_20110914_0.PNG



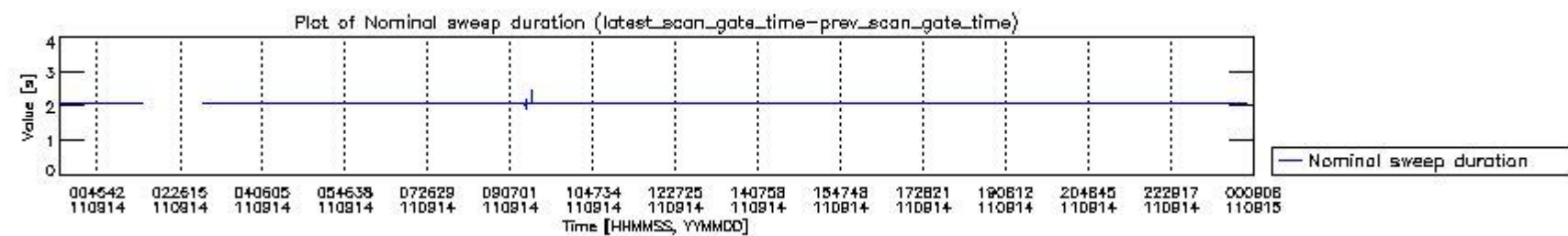
mipas_daily_report_level0_KSPT_L0_4504_N_20110914_1.PNG



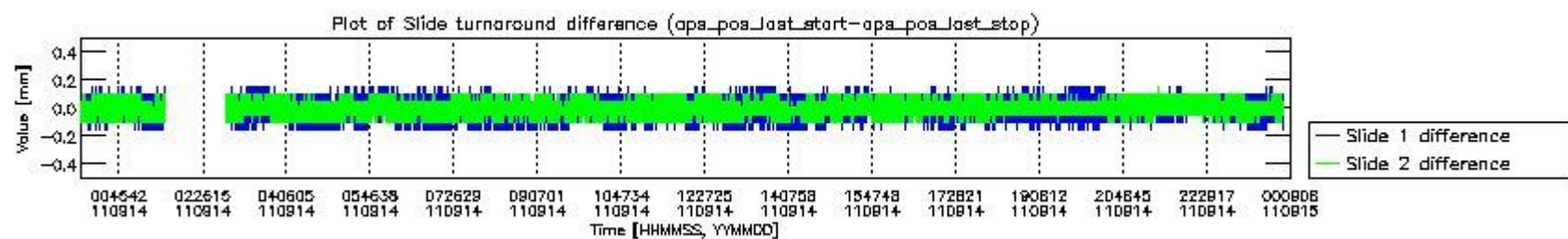
mipas_daily_report_level0_KSPT_L0_4504_N_20110914_2.PNG



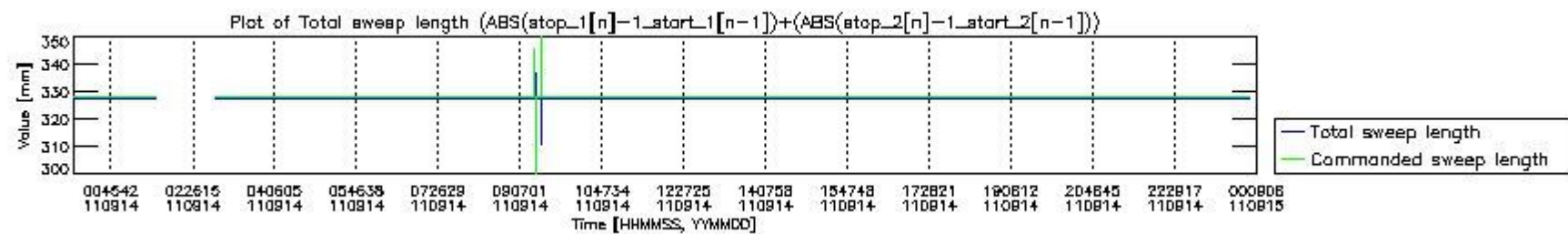
mipas_daily_report_level0_KSPT_L0_4504_N_20110914_3.PNG



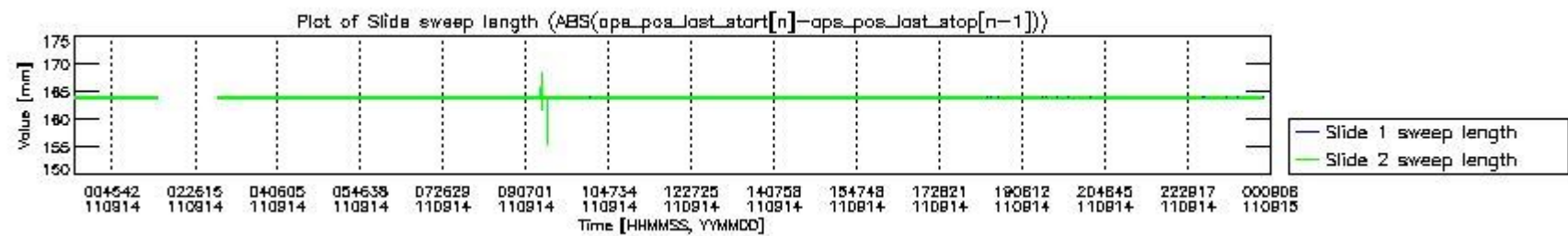
mipas_daily_report_level0_KSPT_L0_4504_N_20110914_4.PNG



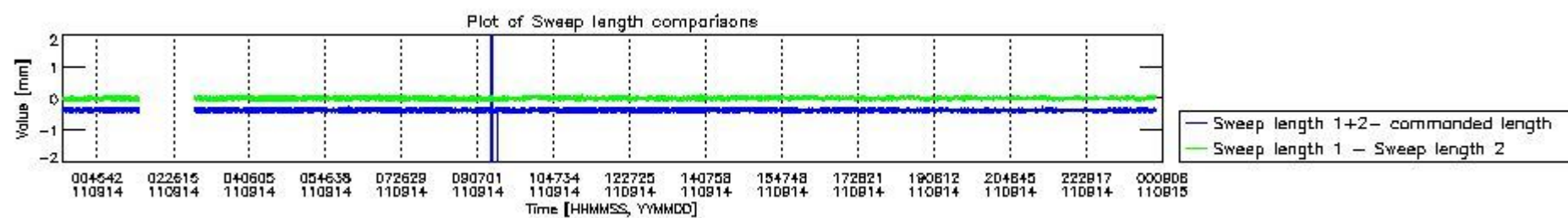
mipas_daily_report_level0_KSPT_L0_4504_N_20110914_5.PNG



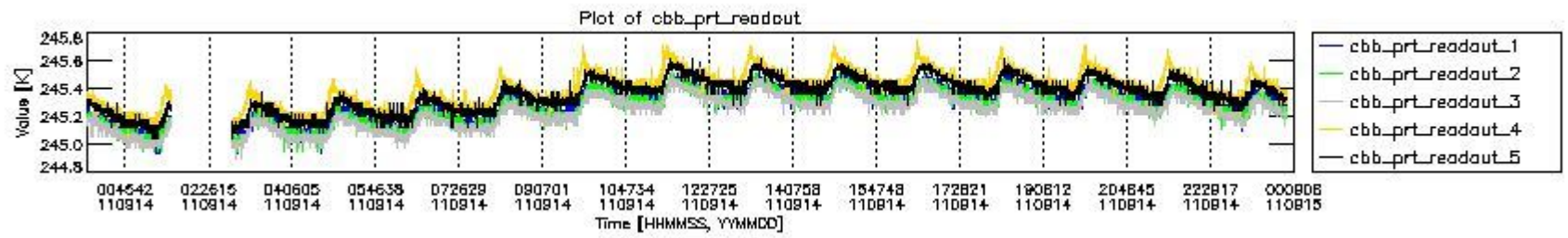
mipas_daily_report_level0_KSPT_L0_4504_N_20110914_6.PNG



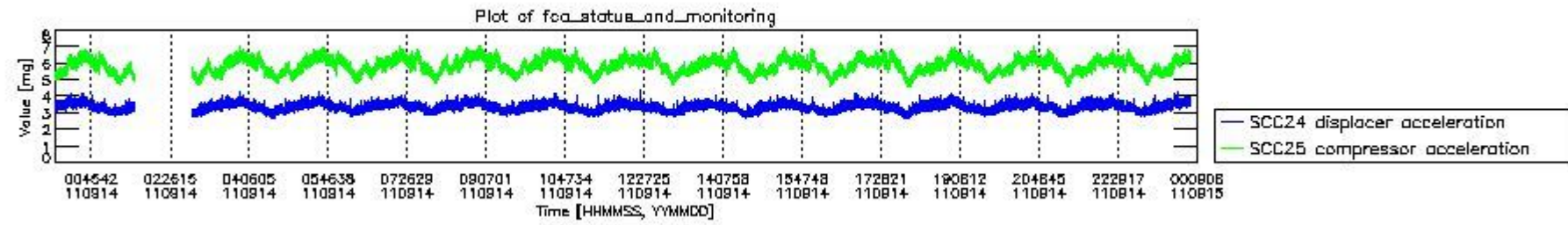
mipas_daily_report_level0_KSPT_L0_4504_N_20110914_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110914_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110914_9.PNG

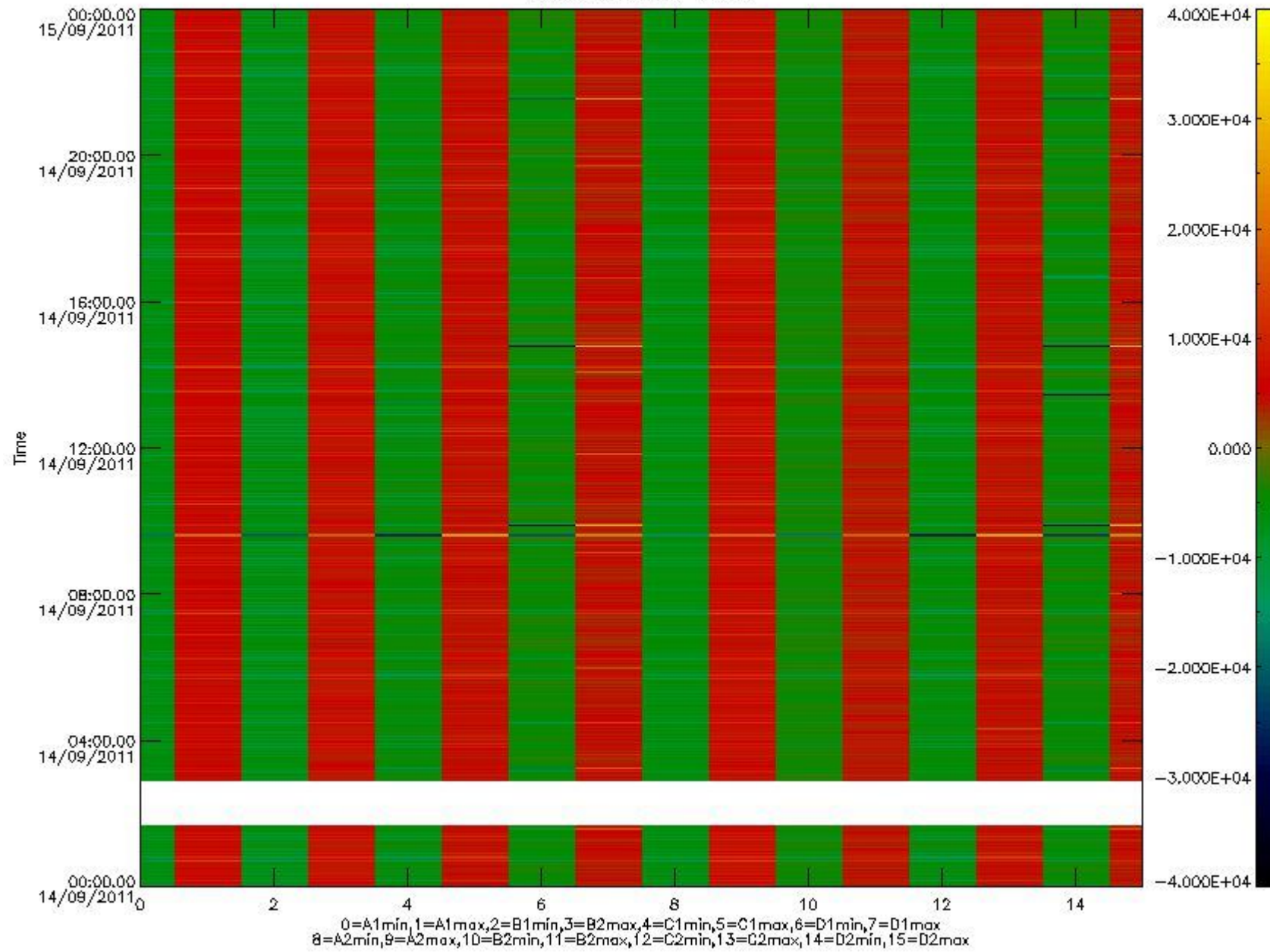


mipas_daily_report_level0_KSPT_L0_4504_N_20110914_10.PNG

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

Channel	Min	Max	ADC
A1	-18226	19354	16bit
B1	-20528	17671	16bit
C1	-25420	25315	16bit
D1	-32768	32767	16bit
A2	-15802	19535	16bit
B2	-18297	17991	16bit
C2	-26506	26064	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_20110914_11.PNG

0.3 ADF monitoring

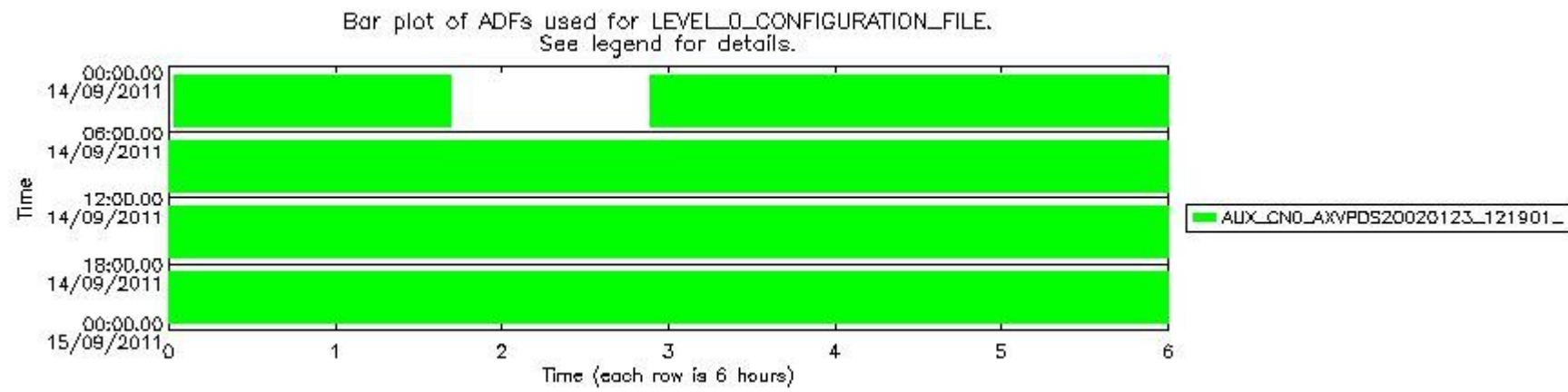
The use of ADFs is shown in two ways:

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.

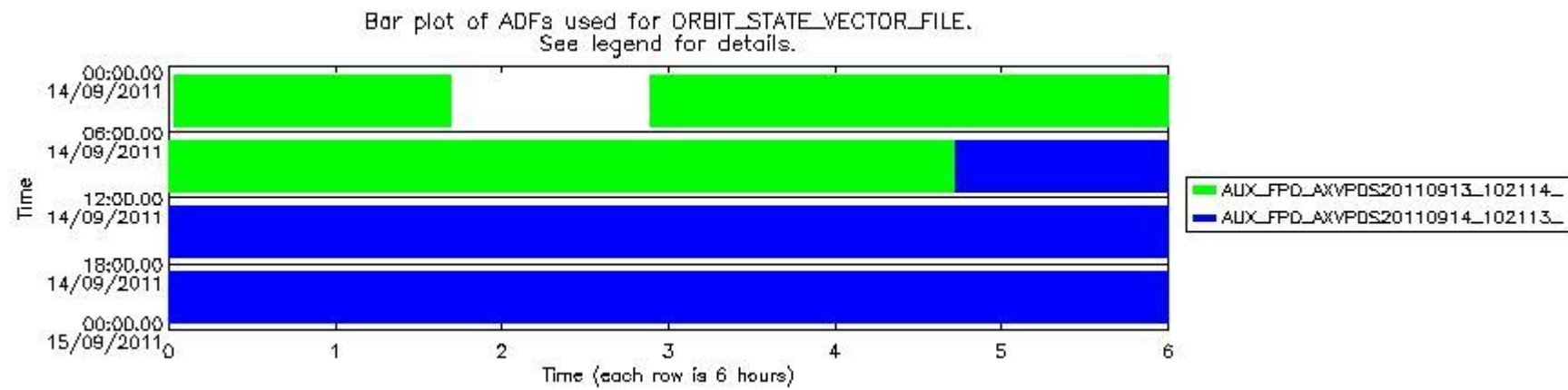
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110913_102114_20110912_195000_20110922_202331
2	AUX_FPO_AXVPDS20110914_102113_20110913_191316_20110923_212700

Number	Product name	#CN0	#FPO
--------	--------------	------	------

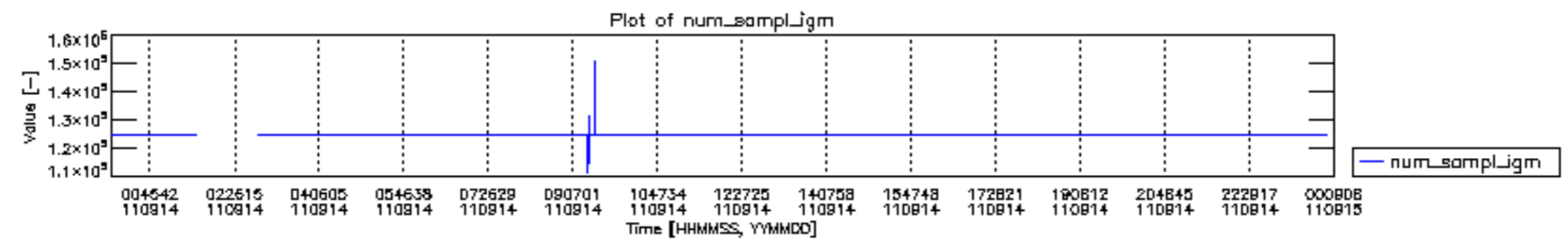
0	MIP_NL__0PNPDE20110914_000211_000059373106_00303_49886_9632.N1	0	1
1	MIP_NL__0PNPDE20110914_025320_000061543106_00305_49888_9634.N1	0	1
2	MIP_NL__0PNPDE20110914_043521_000060583106_00306_49889_9635.N1	0	1
3	MIP_NL__0PNPDK20110914_061546_000041133106_00307_49890_6309.N1	0	1
4	MIP_NL__0PNPDK20110914_072346_000060943106_00308_49891_6310.N1	0	1
5	MIP_NL__0PNPDK20110914_090446_000059813106_00309_49892_6311.N1	0	1
6	MIP_NL__0PNPDK20110914_104343_000059413106_00310_49893_6312.N1	0	2
7	MIP_NL__0PNPDK20110914_122201_000060163106_00311_49894_6313.N1	0	2
8	MIP_NL__0PNPDK20110914_140143_000058473106_00312_49895_6314.N1	0	2
9	MIP_NL__0PNPDK20110914_153734_000059063106_00313_49896_6315.N1	0	2
10	MIP_NL__0PNPDK20110914_171501_000059583106_00314_49897_6316.N1	0	2
11	MIP_NL__0PNPDK20110914_185323_000060143106_00315_49898_6317.N1	0	2
12	MIP_NL__0PNPDE20110914_203232_000043683106_00316_49899_9636.N1	0	2
13	MIP_NL__0PNPDE20110914_214424_000061633106_00316_49899_9637.N1	0	2
14	MIP_NL__0PNPDE20110914_232608_000060543106_00317_49900_9638.N1	0	2

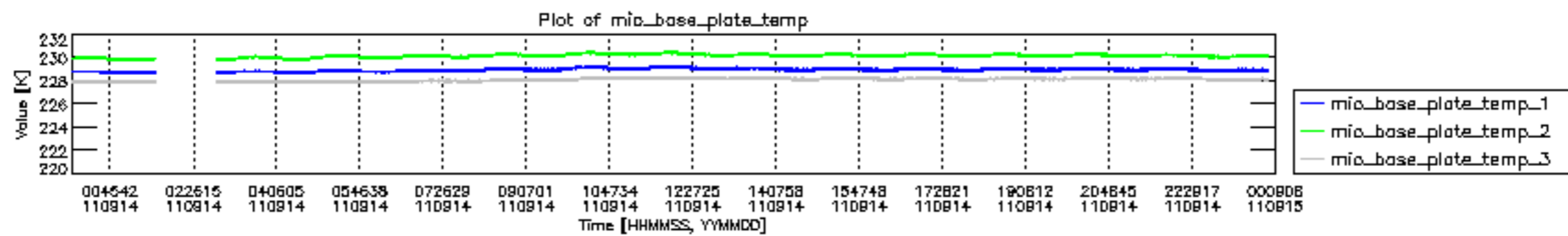


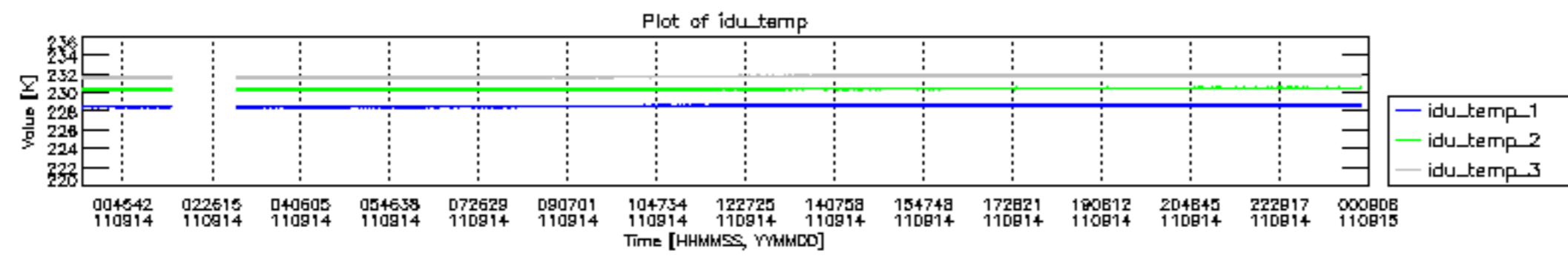
mipas_daily_report_level0_KSPT_L0_4504_N_20110914_12.PNG

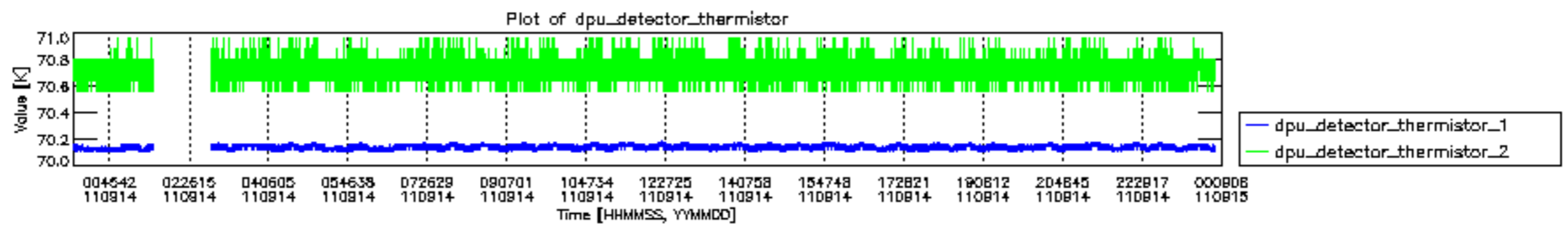


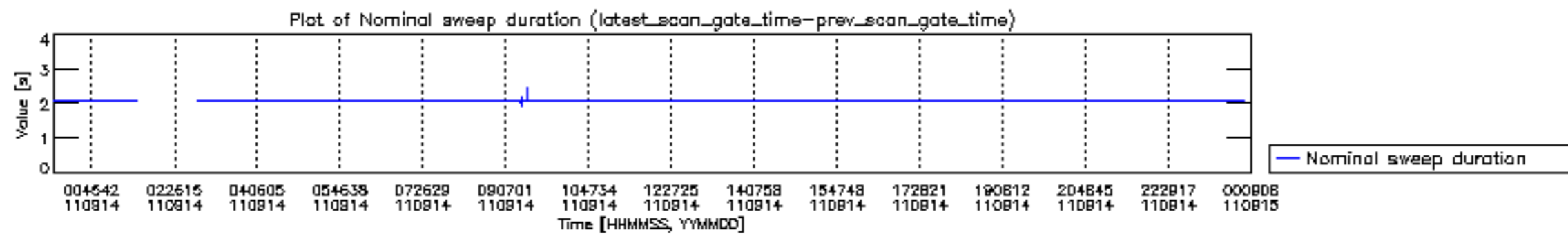
mipas_daily_report_level0_KSPT_L0_4504_N_20110914_13.PNG

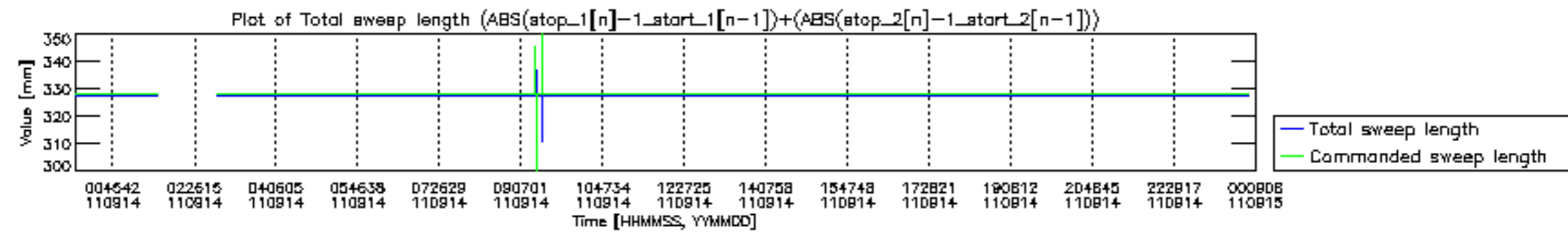


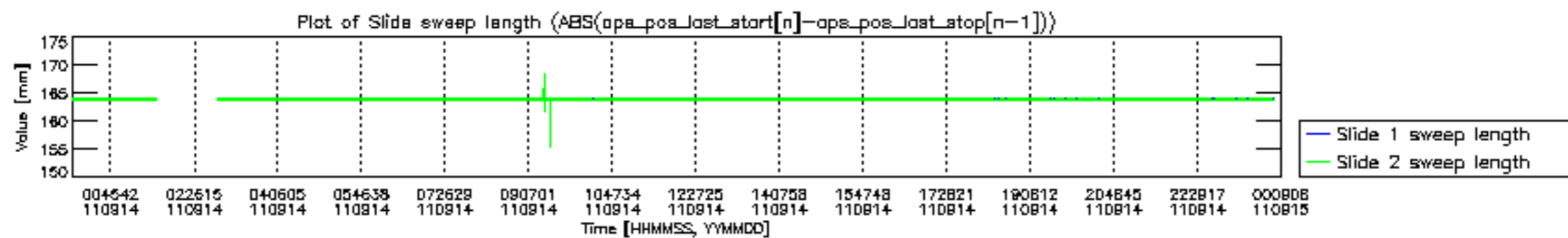


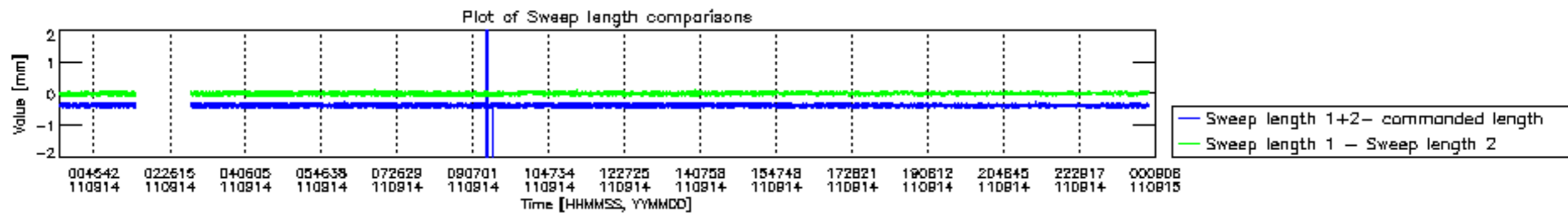


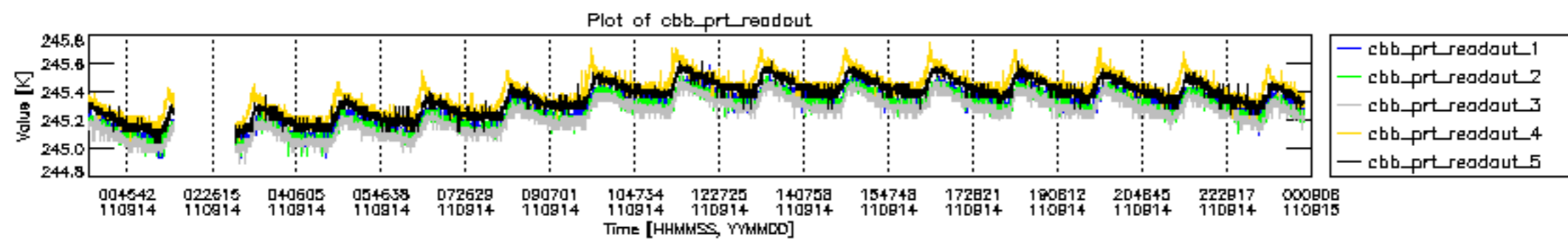


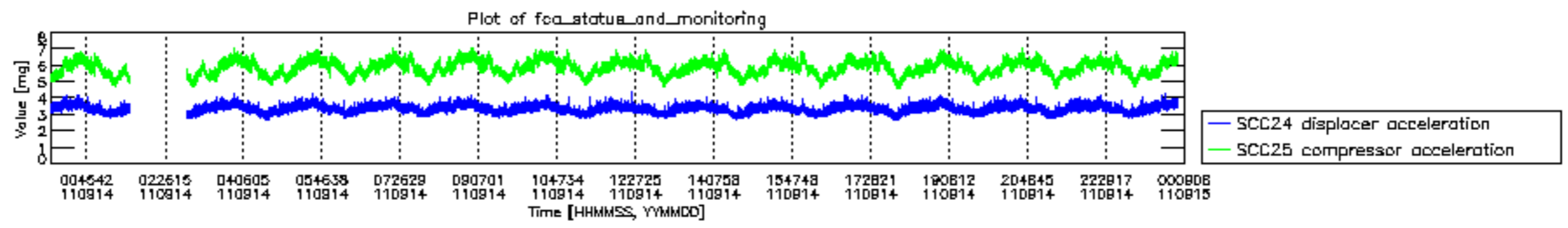












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

