

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	07NOV2011 05:22:49
Data source version	KSPT_L0/4504-N
Processing scope for products	02NOV2011 00:00:00 to 03NOV2011 00:00:00
Start time of first product within scope	02NOV2011 00:05:23
Stop time of last product within scope	03NOV2011 01:10:58
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__0PNPDE20111102_000523_000059733108_00145_50590_9922.N1	02NOV2011 00:05:23	02NOV2011 01:44:55	0	0	0	0	0
1	MIP_NL__0PNPDE20111102_014351_000044143108_00146_50591_9923.N1	02NOV2011 01:43:51	02NOV2011 02:57:25	0	0	0	0	0
2	MIP_NL__0PNPDE20111102_025651_000061693108_00147_50592_9924.N1	02NOV2011 02:56:51	02NOV2011 04:39:40	0	0	0	0	0
3	MIP_NL__0PNPDE20111102_043907_000060463108_00148_50593_9925.N1	02NOV2011 04:39:07	02NOV2011 06:19:52	0	0	0	0	0
4	MIP_NL__0PNPDK20111102_061909_000023893108_00149_50594_7414.N1	02NOV2011 06:19:09	02NOV2011 06:58:57	0	0	0	0	0
5	MIP_NL__0PNPDK20111102_101921_000017313108_00152_50597_7415.N1	02NOV2011 10:19:21	02NOV2011 10:48:13	0	0	0	0	0
6	MIP_NL__0PNPDK20111102_104637_000060423108_00152_50597_7416.N1	02NOV2011 10:46:37	02NOV2011 12:27:19	0	0	0	0	0
7	MIP_NL__0PNPDK20111102_122543_000059313108_00153_50598_7417.N1	02NOV2011 12:25:43	02NOV2011 14:04:34	0	0	0	0	0
8	MIP_NL__0PNPDK20111102_140253_000059603108_00154_50599_7418.N1	02NOV2011 14:02:53	02NOV2011 15:42:13	0	0	0	0	0
9	MIP_NL__0PNPDK20111102_154106_000059773108_00155_50600_7419.N1	02NOV2011 15:41:06	02NOV2011 17:20:43	0	0	0	0	0
10	MIP_NL__0PNPDK20111102_171959_000059223108_00156_50601_7420.N1	02NOV2011 17:19:59	02NOV2011 18:58:42	0	0	0	0	0
11	MIP_NL__0PNPDK20111102_185741_000059123108_00157_50602_7421.N1	02NOV2011 18:57:41	02NOV2011 20:36:13	0	0	0	0	0
12	MIP_NL__0PNPDE20111102_203433_000044413108_00158_50603_9926.N1	02NOV2011 20:34:33	02NOV2011 21:48:34	0	0	0	0	0
13	MIP_NL__0PNPDE20111102_214727_000062133108_00158_50603_9927.N1	02NOV2011 21:47:27	02NOV2011 23:31:00	0	0	0	0	0
14	MIP_NL__0PNPDE20111102_232955_000060623108_00159_50604_9928.N1	02NOV2011 23:29:55	03NOV2011 01:10:58	0	0	0	0	0

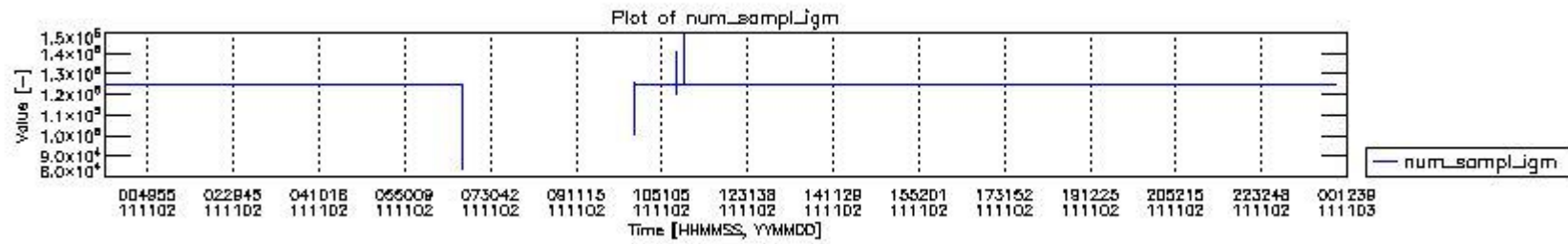
0.2 Instrument Operational Performance Parameters

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.

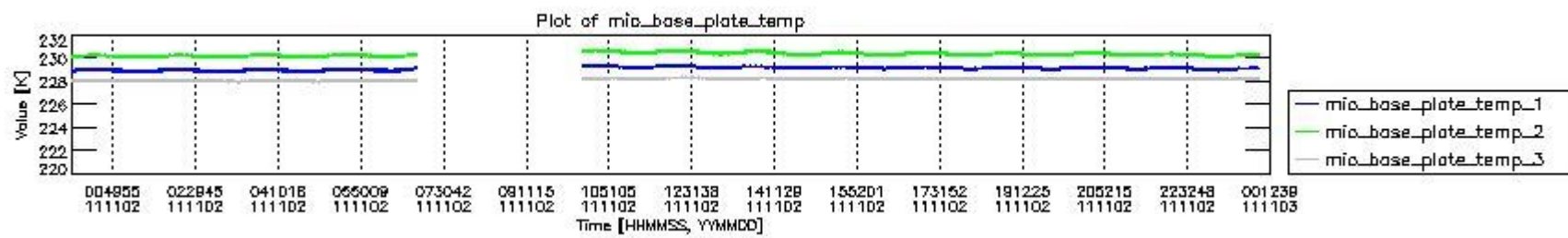
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
83784	1	0.0027876896
94226	1	0.0027876896
100185	1	0.0027876896

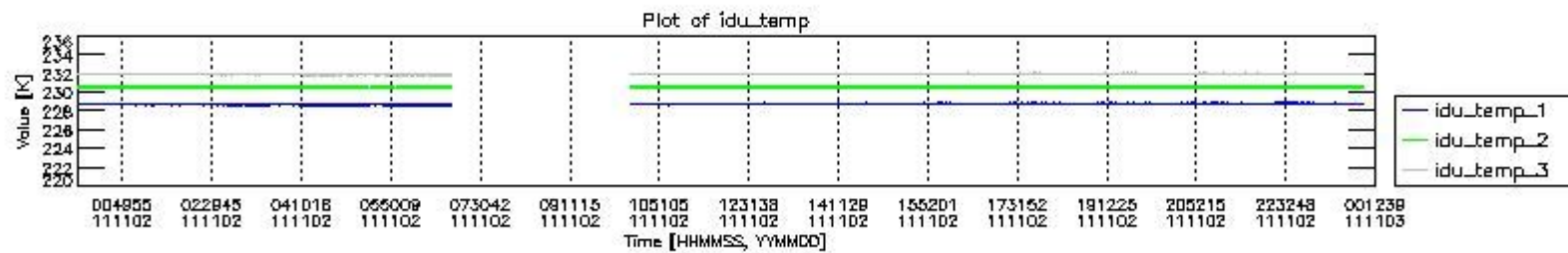
114358	1	0.0027876896
120468	1	0.0027876896
124800	33316	92.874665
124803	2544	7.0918822
125437	1	0.0027876896
126074	1	0.0027876896
126862	1	0.0027876896
136268	1	0.0027876896
140600	1	0.0027876896
146994	1	0.0027876896
149056	1	0.0027876896



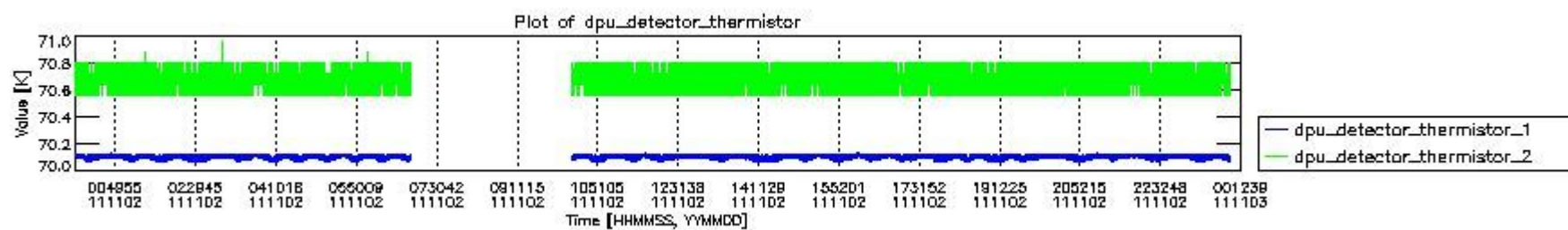
mipas_daily_report_level0_KSPT_L0_4504_N_20111102_0.PNG



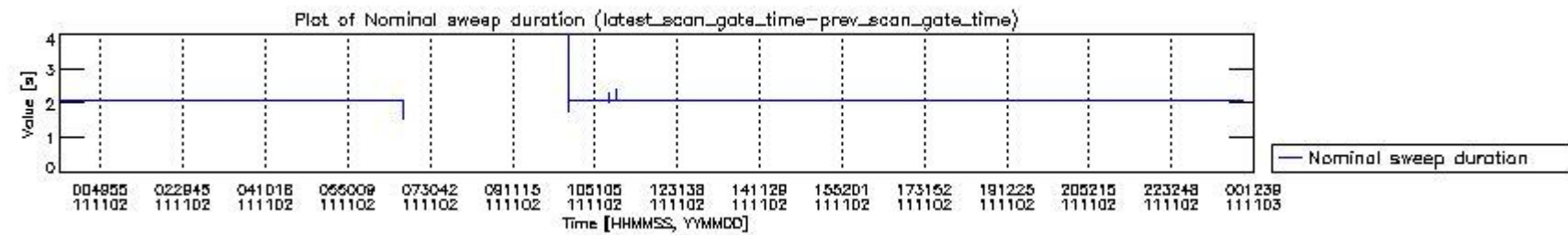
mipas_daily_report_level0_KSPT_L0_4504_N_20111102_1.PNG



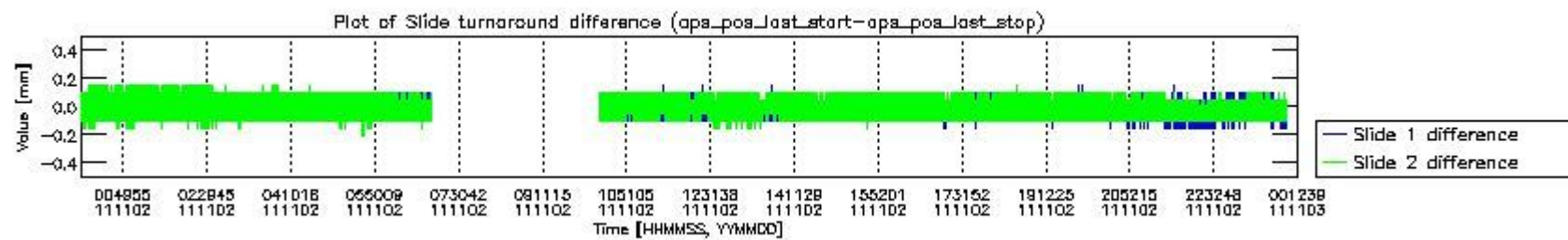
mipas_daily_report_level0_KSPT_L0_4504_N_20111102_2.PNG



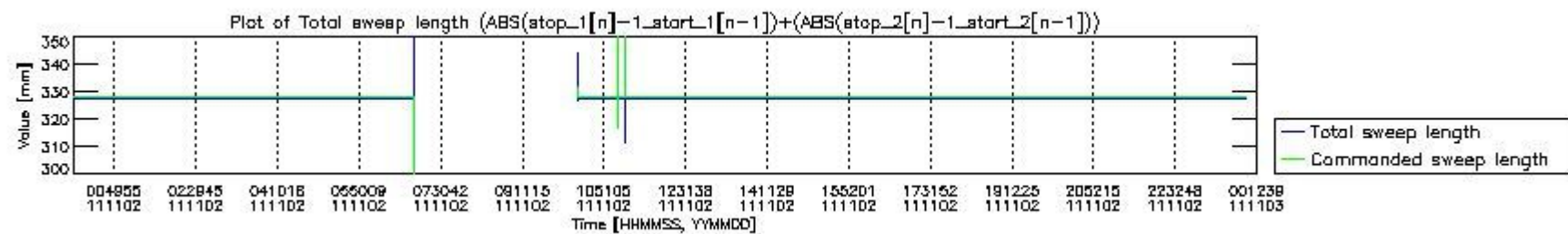
mipas_daily_report_level0_KSPT_L0_4504_N_20111102_3.PNG



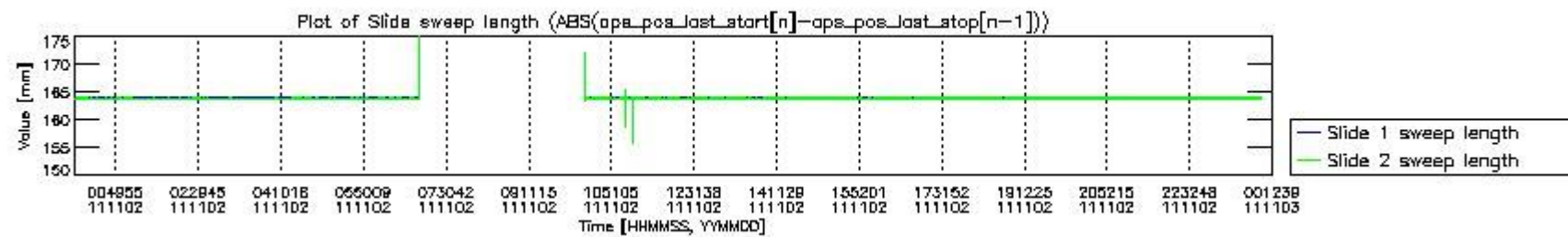
mipas_daily_report_level0_KSPT_L0_4504_N_20111102_4.PNG



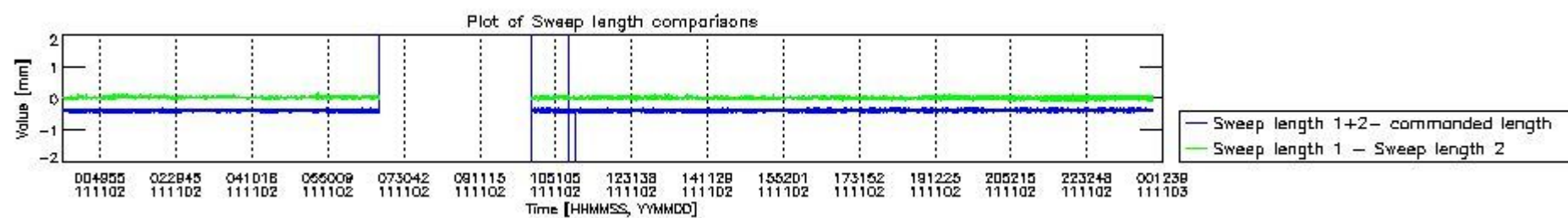
mipas_daily_report_level0_KSPT_L0_4504_N_20111102_5.PNG



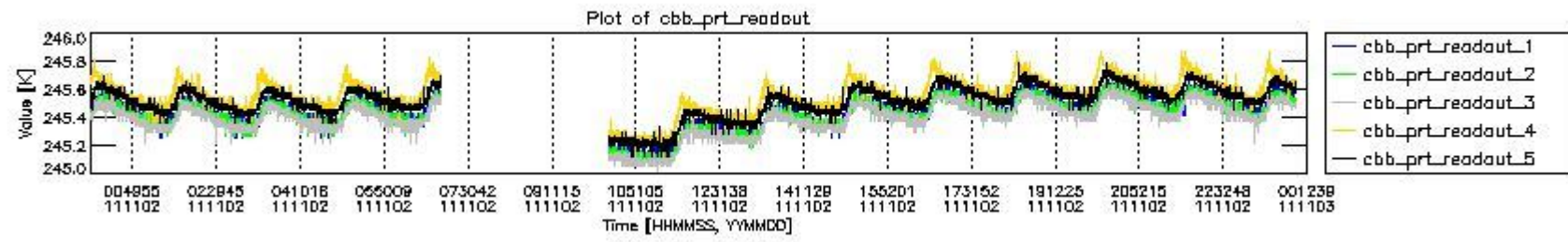
mipas_daily_report_level0_KSPT_L0_4504_N_20111102_6.PNG



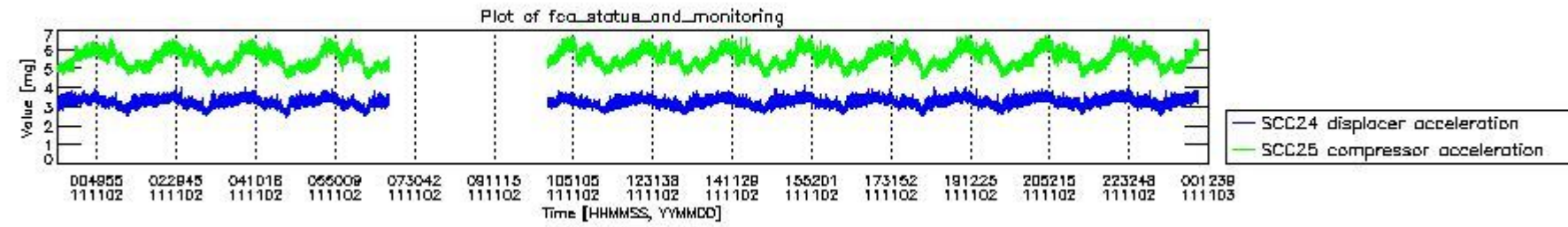
mipas_daily_report_level0_KSPT_L0_4504_N_20111102_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111102_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111102_9.PNG

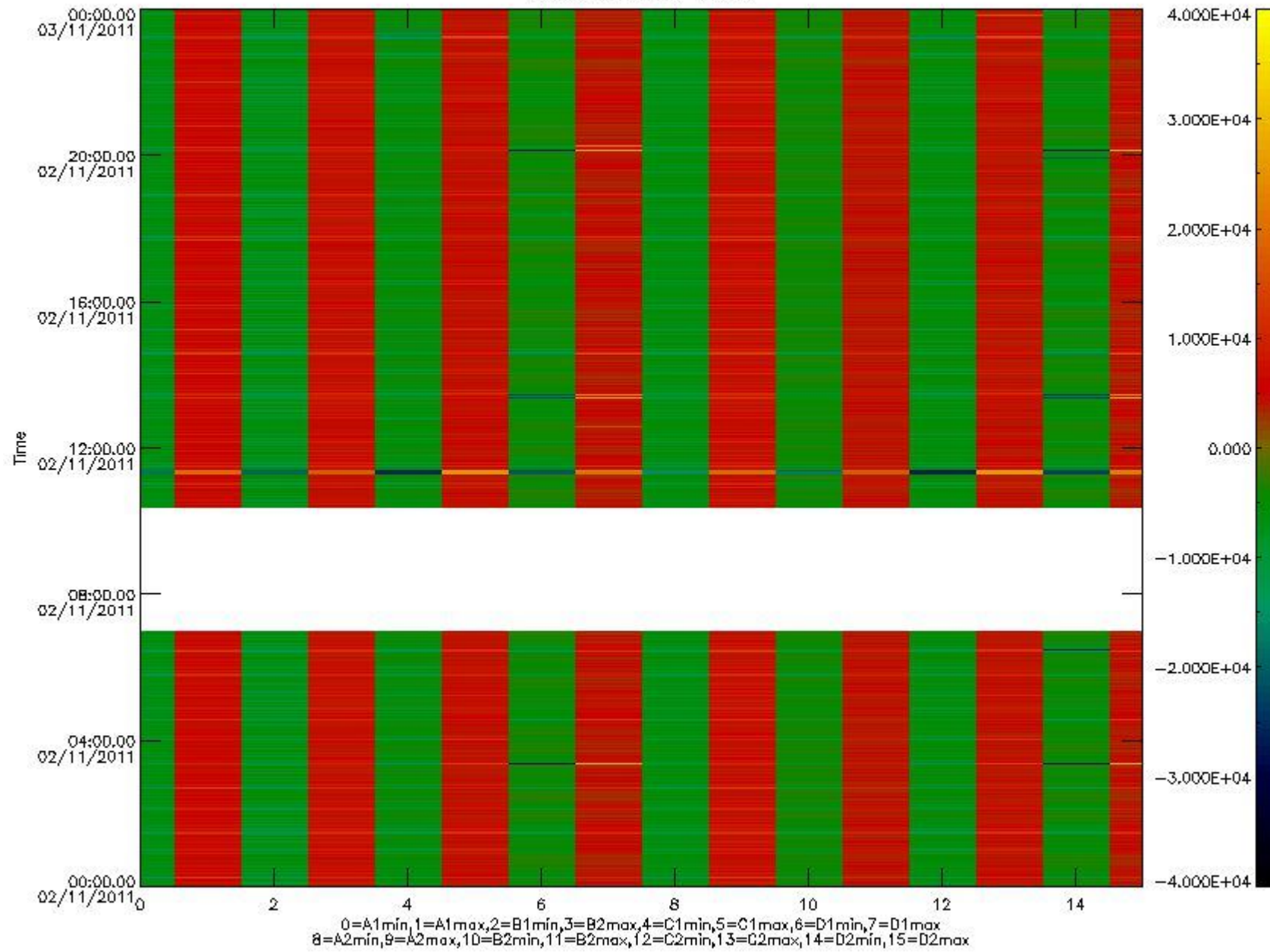


mipas_daily_report_level0_KSPT_L0_4504_N_20111102_10.PNG

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	-25495	25414	16bit
D1	-32768	32767	16bit
A2	-32768	28257	16bit
B2	-32768	32767	16bit
C2	-26562	26117	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_20111102_11.PNG

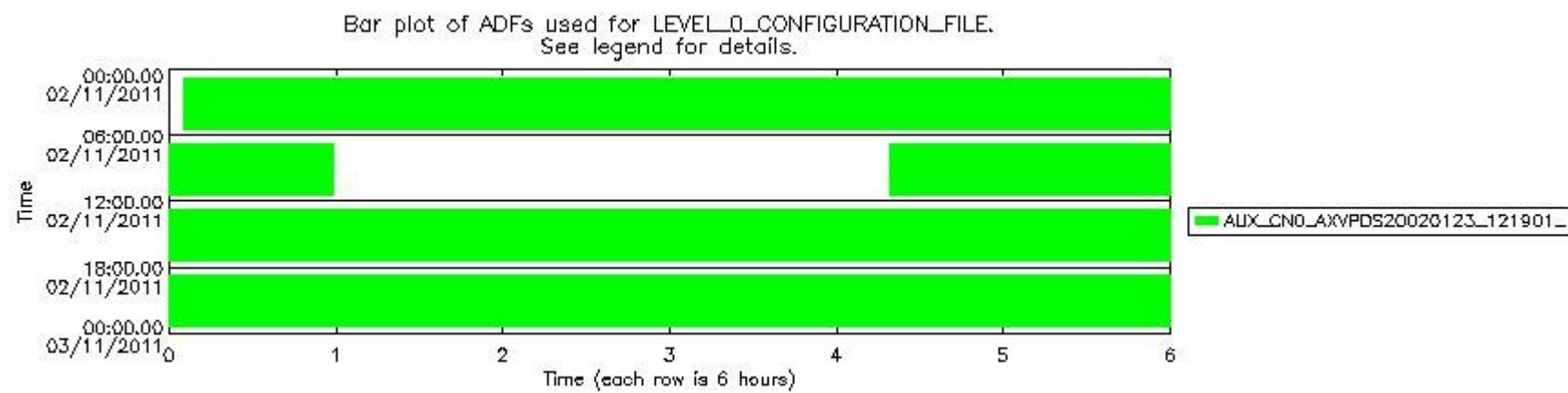
0.3 ADF monitoring

The use of ADFs is shown in two ways:

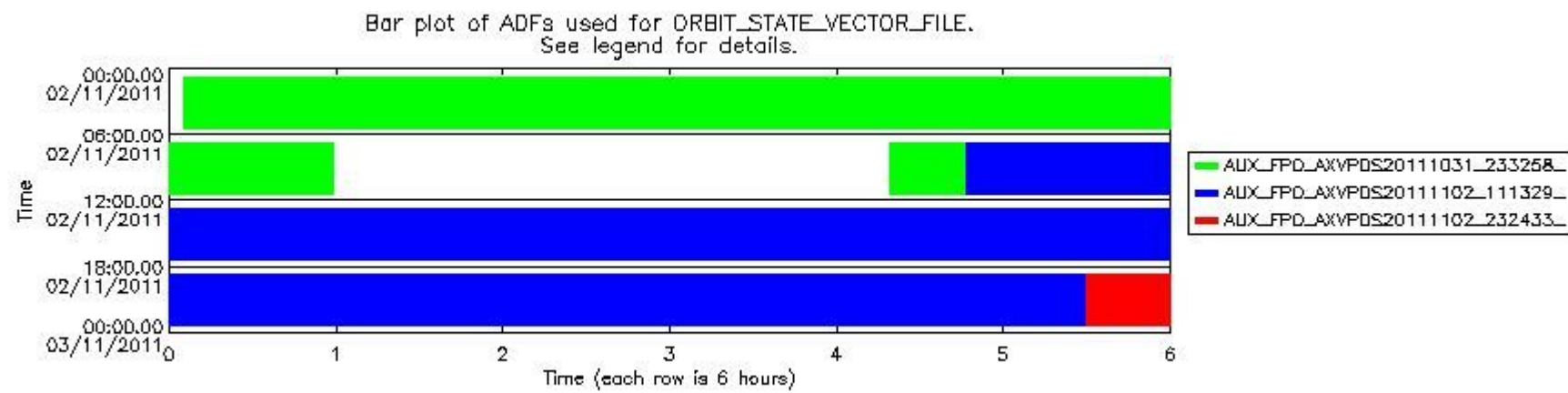
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111031_233258_20111031_195347_20111110_202717
2	AUX_FPO_AXVPDS20111102_111329_20111101_191703_20111111_213046
3	AUX_FPO_AXVPDS20111102_232433_20111102_184018_20111112_205400

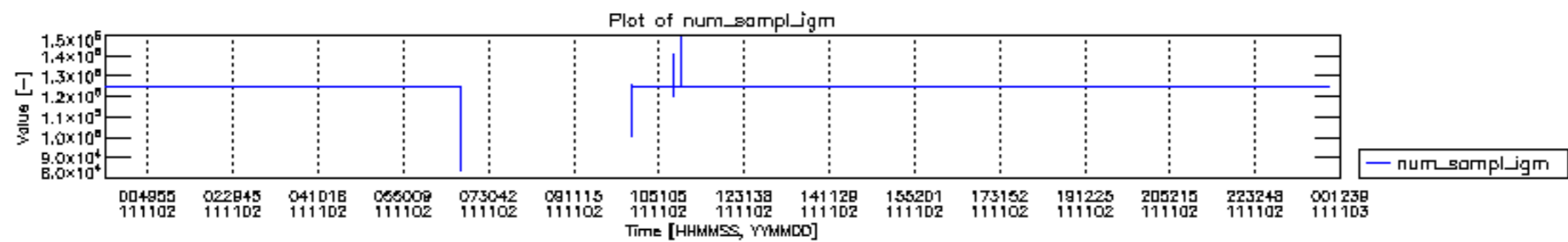
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111102_000523_000059733108_00145_50590_9922.N1	0	1
1	MIP_NL__0PNPDE20111102_014351_000044143108_00146_50591_9923.N1	0	1
2	MIP_NL__0PNPDE20111102_025651_000061693108_00147_50592_9924.N1	0	1
3	MIP_NL__0PNPDE20111102_043907_000060463108_00148_50593_9925.N1	0	1
4	MIP_NL__0PNPDK20111102_061909_000023893108_00149_50594_7414.N1	0	1
5	MIP_NL__0PNPDK20111102_101921_000017313108_00152_50597_7415.N1	0	1
6	MIP_NL__0PNPDK20111102_104637_000060423108_00152_50597_7416.N1	0	2
7	MIP_NL__0PNPDK20111102_122543_000059313108_00153_50598_7417.N1	0	2
8	MIP_NL__0PNPDK20111102_140253_000059603108_00154_50599_7418.N1	0	2
9	MIP_NL__0PNPDK20111102_154106_000059773108_00155_50600_7419.N1	0	2
10	MIP_NL__0PNPDK20111102_171959_000059223108_00156_50601_7420.N1	0	2
11	MIP_NL__0PNPDK20111102_185741_000059123108_00157_50602_7421.N1	0	2
12	MIP_NL__0PNPDE20111102_203433_000044413108_00158_50603_9926.N1	0	2
13	MIP_NL__0PNPDE20111102_214727_000062133108_00158_50603_9927.N1	0	2
14	MIP_NL__0PNPDE20111102_232955_000060623108_00159_50604_9928.N1	0	3

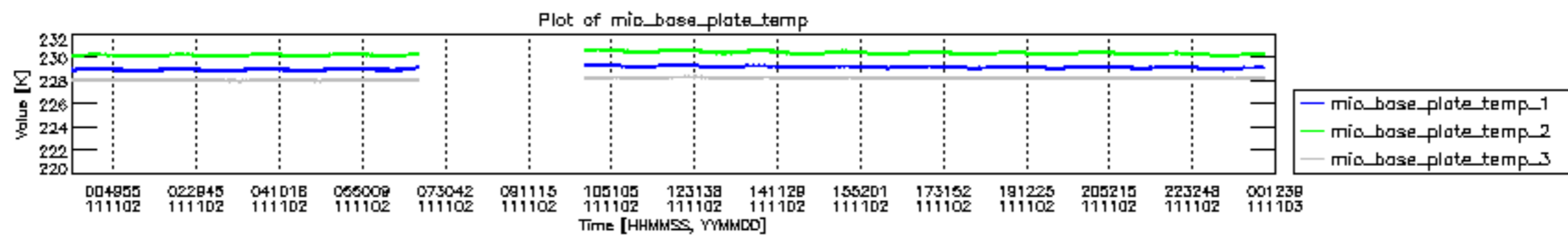


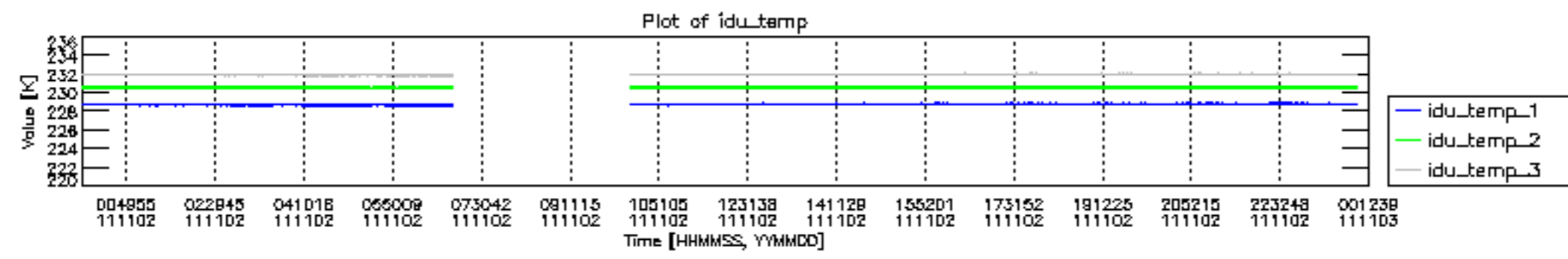
mipas_daily_report_level0_KSPT_L0_4504_N_20111102_12.PNG

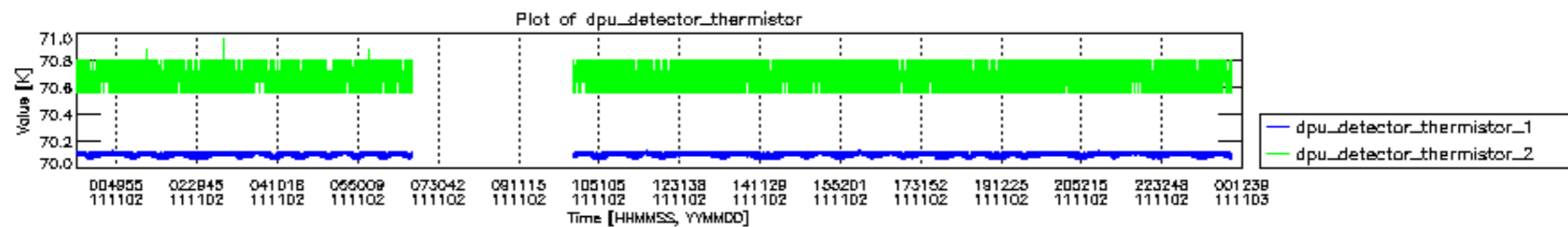


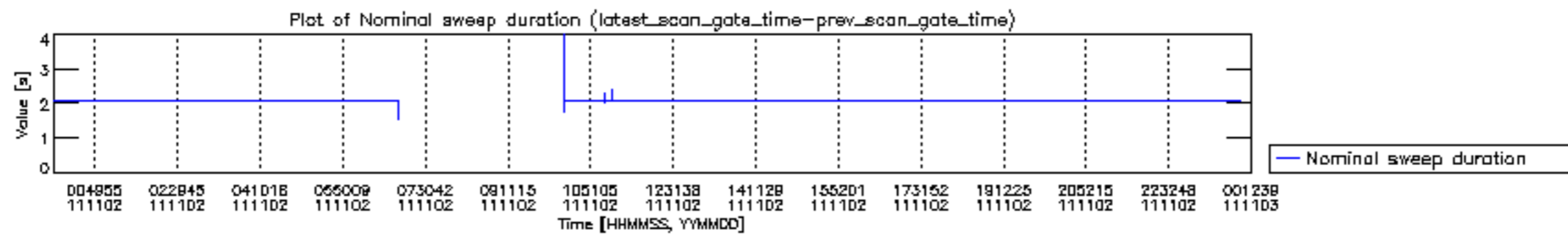
mipas_daily_report_level0_KSPT_L0_4504_N_20111102_13.PNG

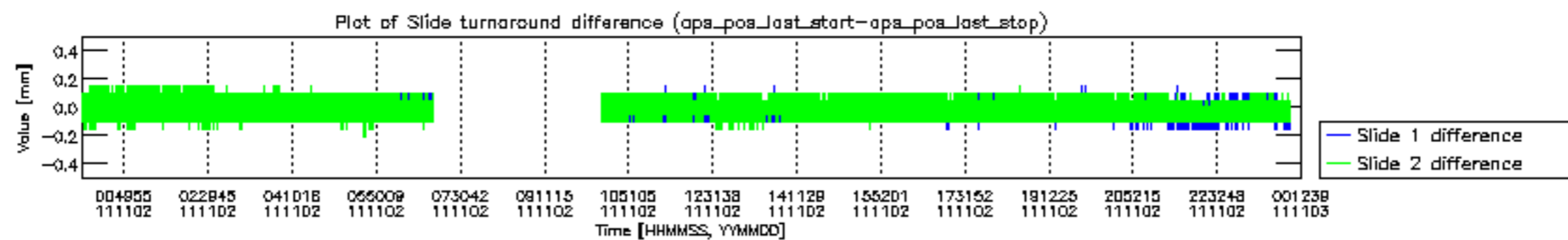


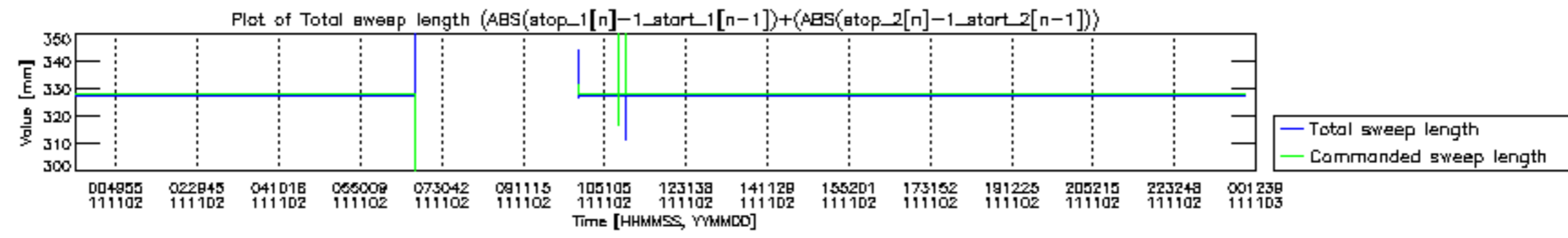


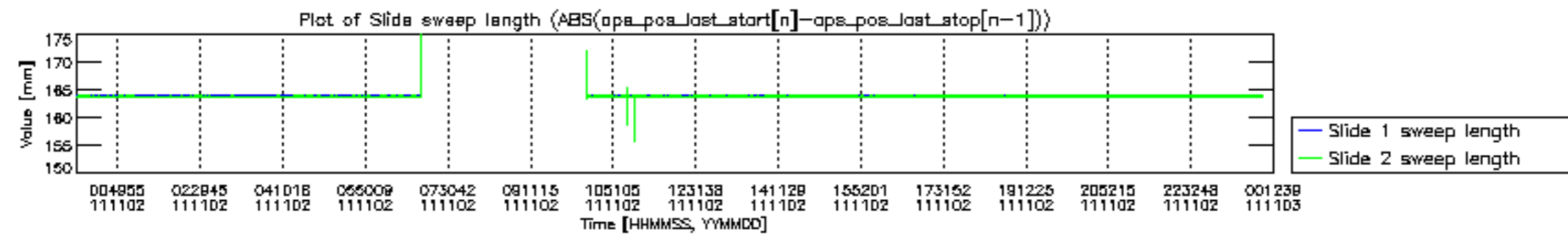


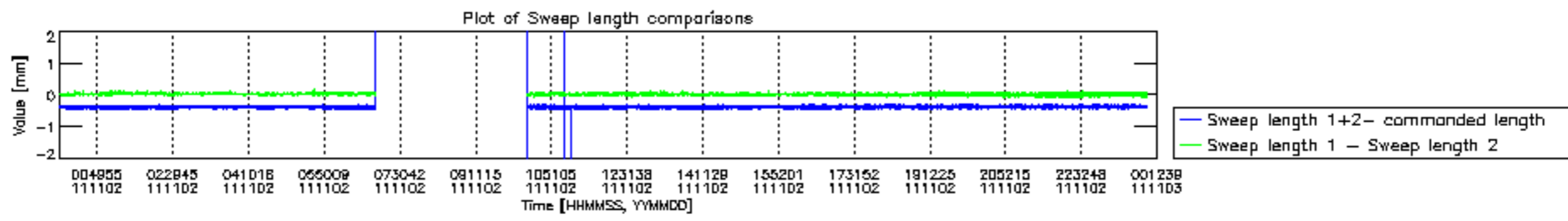


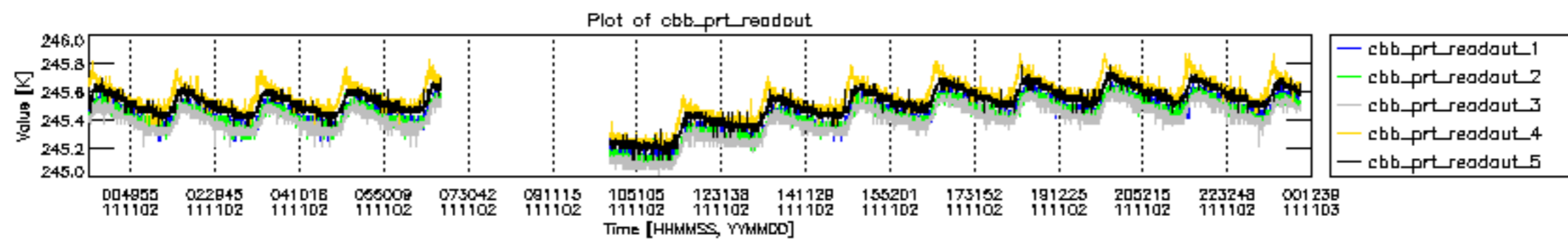


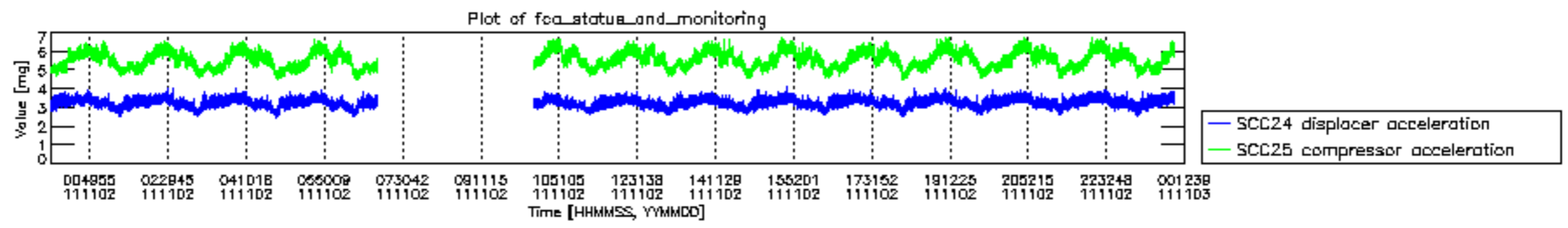












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

