

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	12DEC2011 07:46:43
Data source version	KSPT_L0/4504-N
Processing scope for products	07DEC2011 00:00:00 to 08DEC2011 00:00:00
Start time of first product within scope	07DEC2011 00:21:40
Stop time of last product within scope	08DEC2011 01:26:15
Total number of level 0 products	16
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__0PNPDE20111207_002140_000059353109_00217_51093_0361.N1	07DEC2011 00:21:40	07DEC2011 02:00:35	0	0	0	0	0
1	MIP_NL__0PNPDE20111207_015936_000045163109_00218_51094_0362.N1	07DEC2011 01:59:36	07DEC2011 03:14:53	0	0	0	0	0
2	MIP_NL__0PNPDE20111207_031419_000061213109_00219_51095_0363.N1	07DEC2011 03:14:19	07DEC2011 04:56:20	0	0	0	0	0
3	MIP_NL__0PNPDE20111207_045547_000060373109_00220_51096_0364.N1	07DEC2011 04:55:47	07DEC2011 06:36:24	0	0	0	0	0
4	MIP_NL__0PNPDK20111207_063551_000041453109_00221_51097_7727.N1	07DEC2011 06:35:51	07DEC2011 07:44:55	0	0	0	0	0
5	MIP_NL__0PNPDK20111207_074357_000061213109_00222_51098_7728.N1	07DEC2011 07:43:57	07DEC2011 09:25:58	0	0	0	0	0
6	MIP_NL__0PNPDK20111207_092422_000059963109_00223_51099_7729.N1	07DEC2011 09:24:22	07DEC2011 11:04:17	0	0	0	0	0
7	MIP_NL__0PNPDK20111207_110235_000060393109_00224_51100_7730.N1	07DEC2011 11:02:35	07DEC2011 12:43:15	0	0	0	0	0
8	MIP_NL__0PNPDK20111207_124139_000059603109_00225_51101_7731.N1	07DEC2011 12:41:39	07DEC2011 14:20:58	0	0	0	0	0
9	MIP_NL__0PNPDK20111207_142015_000059583109_00226_51102_7733.N1	07DEC2011 14:20:15	07DEC2011 15:59:33	0	0	0	0	0
10	MIP_NL__0PNPDK20111207_155855_000058663109_00227_51103_7734.N1	07DEC2011 15:58:55	07DEC2011 17:36:41	0	0	0	0	0
11	MIP_NL__0PNPDK20111207_173540_000057913109_00228_51104_7735.N1	07DEC2011 17:35:40	07DEC2011 19:12:11	0	0	0	0	0
12	MIP_NL__0PNPDK20111207_191106_000061273109_00229_51105_7736.N1	07DEC2011 19:11:06	07DEC2011 20:53:13	0	0	0	0	0
13	MIP_NL__0PNPDE20111207_205129_000045103109_00230_51106_0365.N1	07DEC2011 20:51:29	07DEC2011 22:06:39	0	0	0	0	0
14	MIP_NL__0PNPDE20111207_220543_000060503109_00230_51106_0366.N1	07DEC2011 22:05:43	07DEC2011 23:46:32	0	0	0	0	0
15	MIP_NL__0PNPDE20111207_234534_000060413109_00231_51107_0367.N1	07DEC2011 23:45:34	08DEC2011 01:26:15	0	0	0	0	0

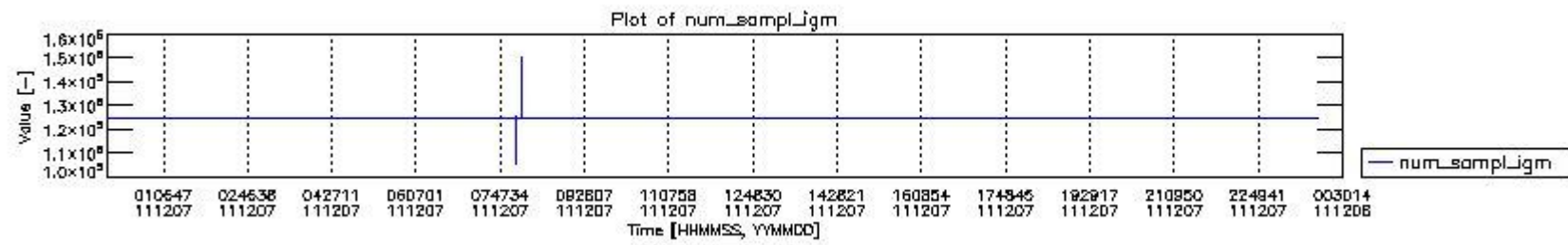
0.2 Instrument Operational Performance Parameters

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.

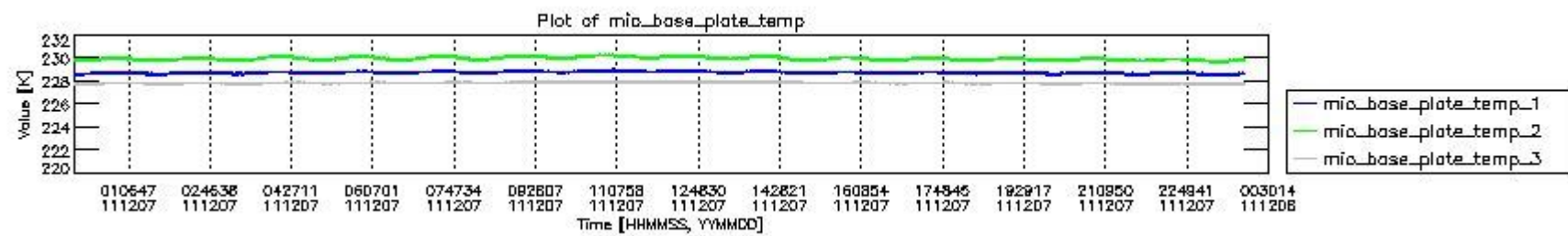
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
105823	1	0.0024029220
106978	1	0.0024029220

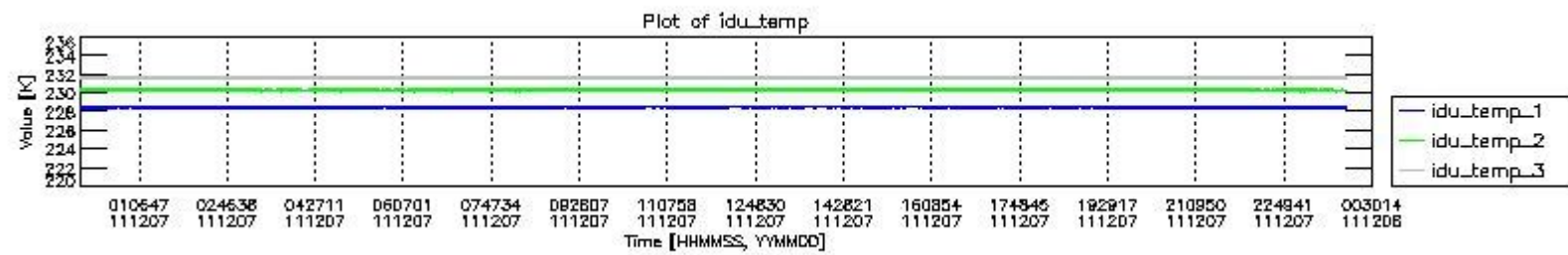
124800	38654	92.882545
124803	2956	7.1030373
125955	1	0.0024029220
127456	1	0.0024029220
147588	1	0.0024029220
150244	1	0.0024029220



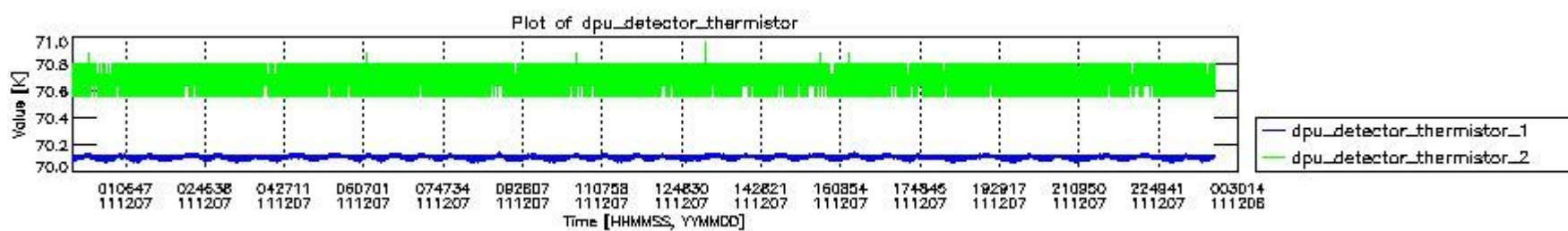
mipas_daily_report_level0_KSPT_L0_4504_N_20111207_0.PNG



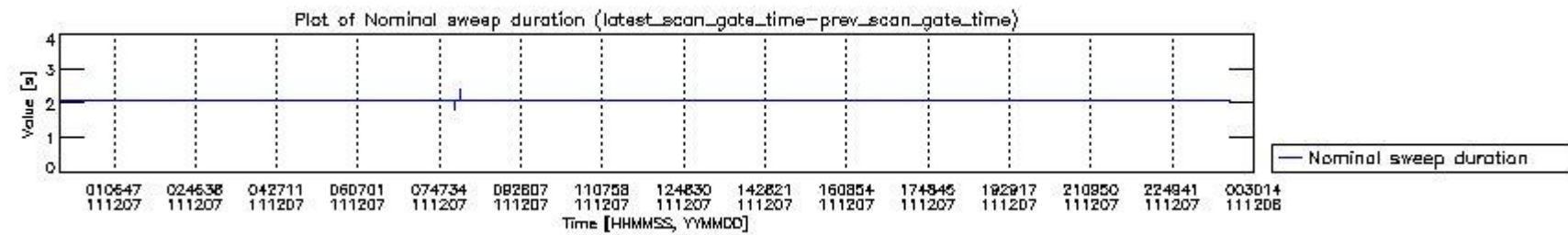
mipas_daily_report_level0_KSPT_L0_4504_N_20111207_1.PNG



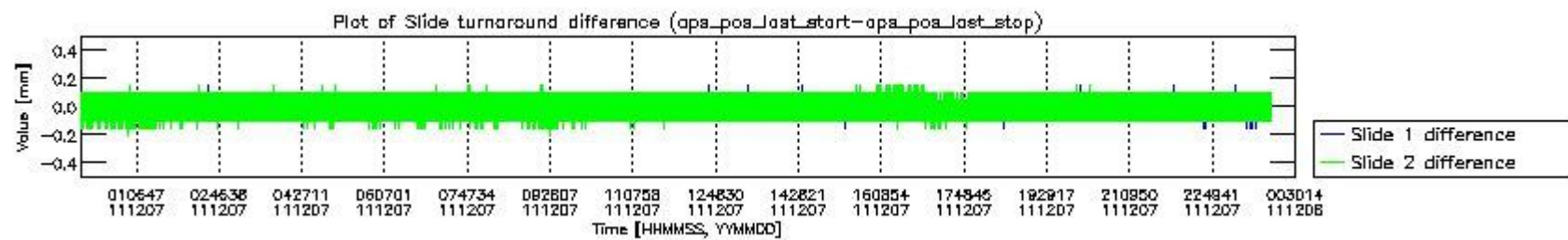
mipas_daily_report_level0_KSPT_L0_4504_N_20111207_2.PNG



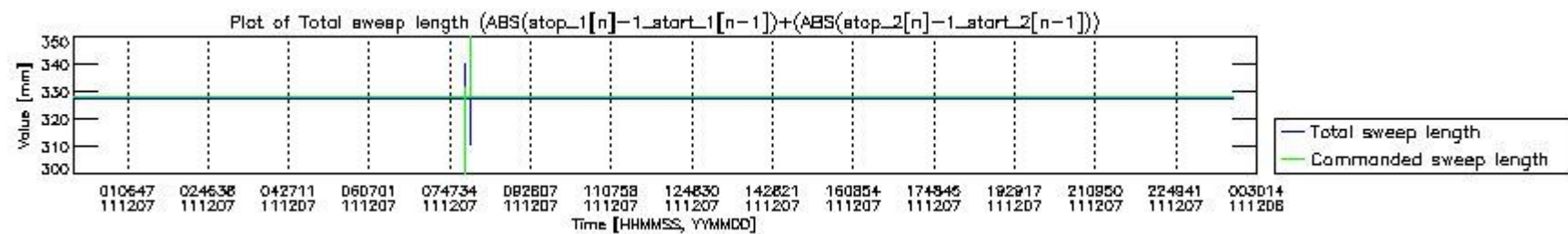
mipas_daily_report_level0_KSPT_L0_4504_N_20111207_3.PNG



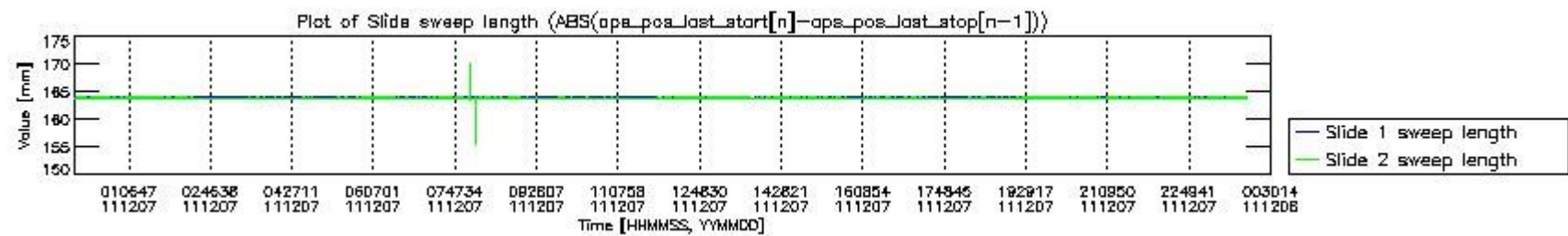
mipas_daily_report_level0_KSPT_L0_4504_N_20111207_4.PNG



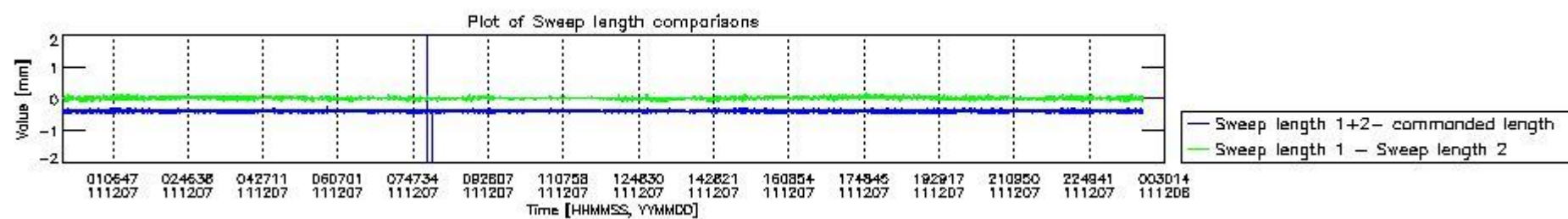
mipas_daily_report_level0_KSPT_L0_4504_N_20111207_5.PNG



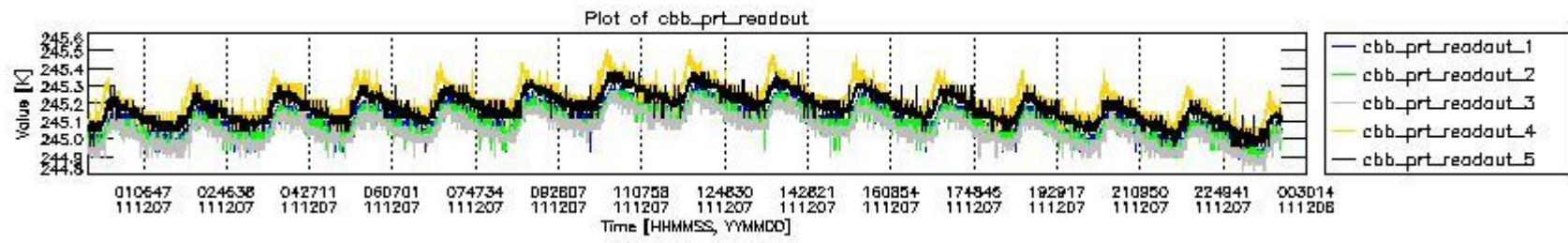
mipas_daily_report_level0_KSPT_L0_4504_N_20111207_6.PNG



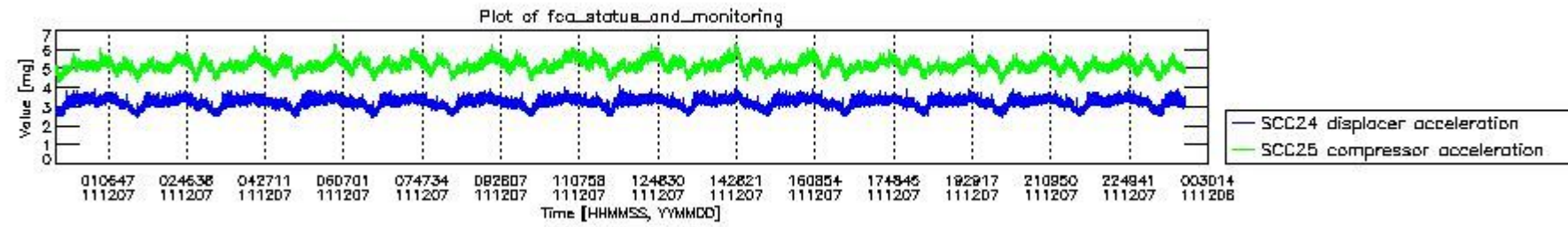
mipas_daily_report_level0_KSPT_L0_4504_N_20111207_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111207_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111207_9.PNG

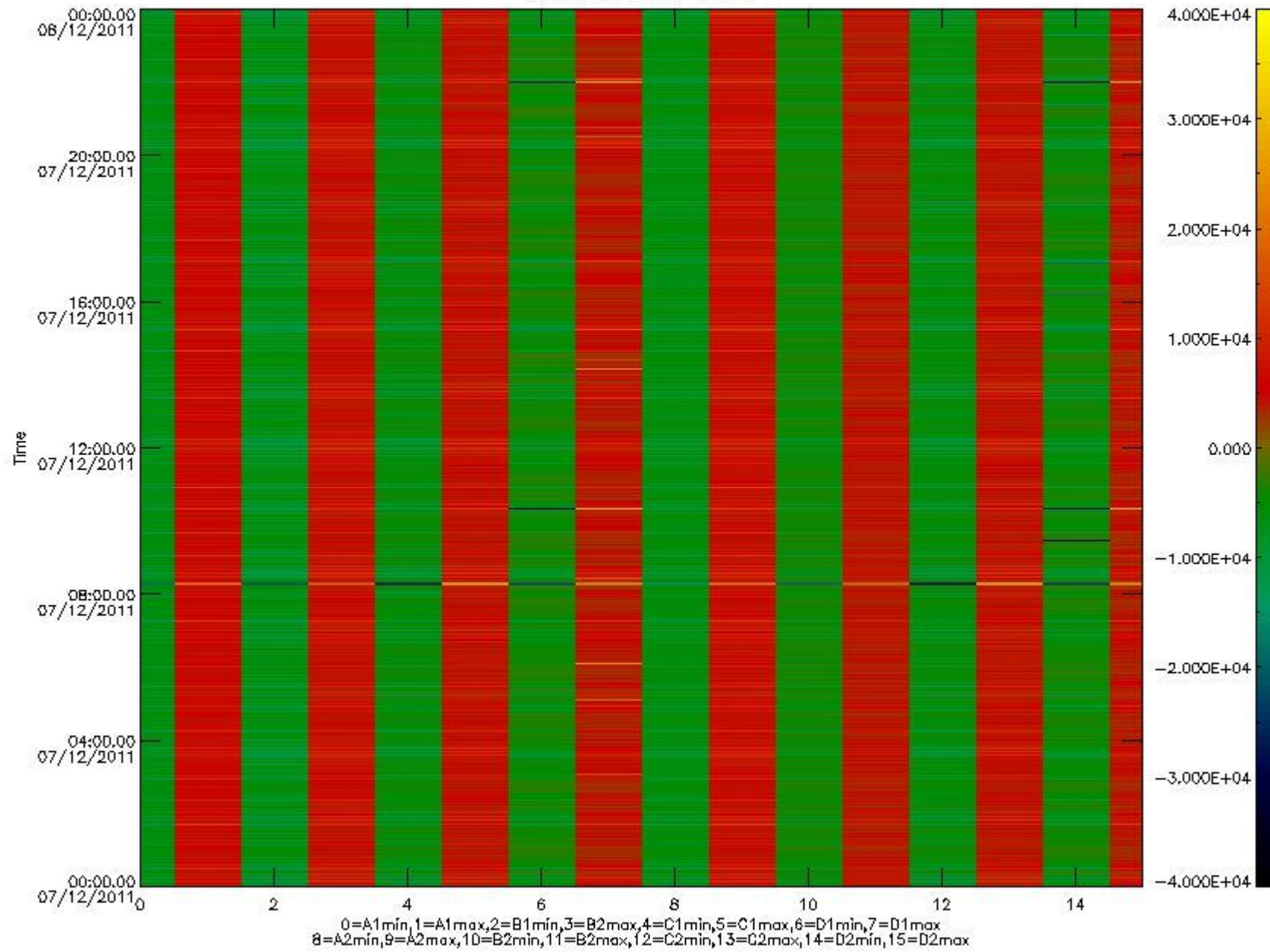


mipas_daily_report_level0_KSPT_L0_4504_N_20111207_10.PNG

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

Channel	Min	Max	ADC
A1	-18311	19393	16bit
B1	-20757	17824	16bit
C1	-25412	25196	16bit
D1	-32768	32767	16bit
A2	-15886	19624	16bit
B2	-18625	18267	16bit
C2	-26381	25942	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_20111207_11.PNG

0.3 ADF monitoring

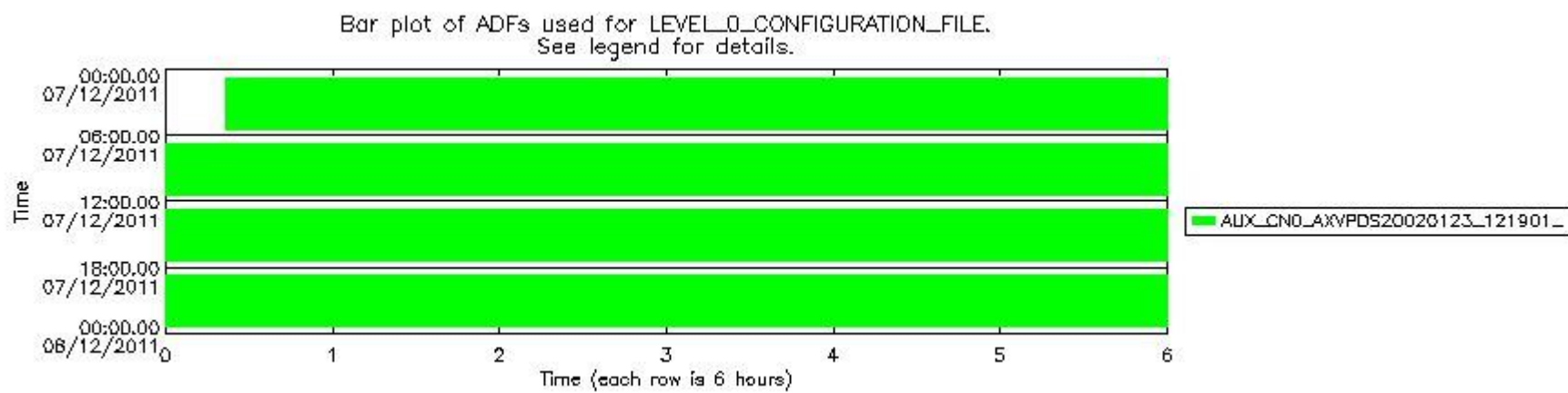
The use of ADFs is shown in two ways:

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.

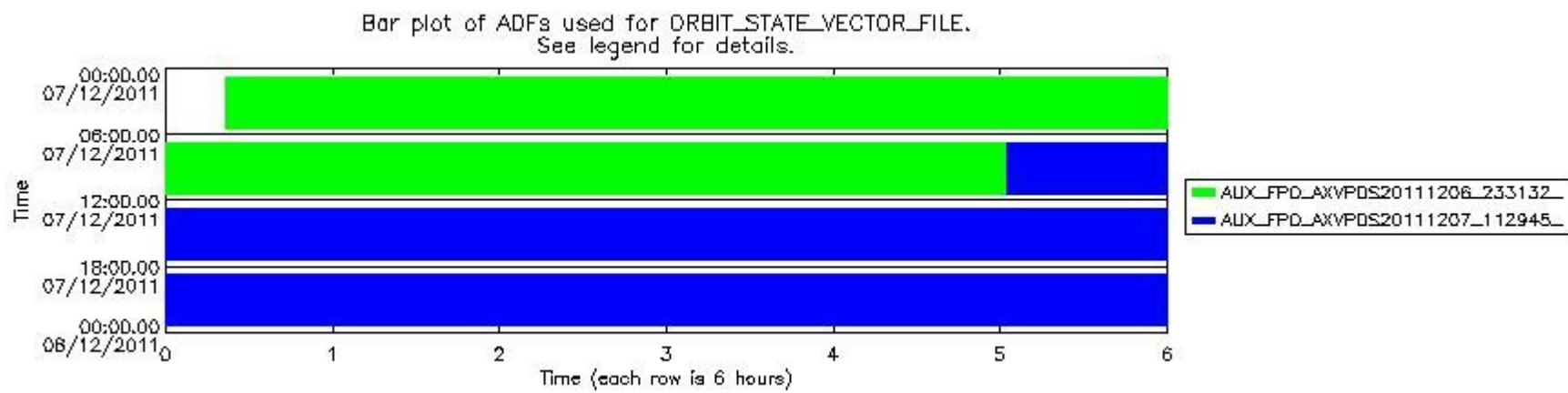
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111206_233132_20111206_193358_20111216_200726
2	AUX_FPO_AXVPDS20111207_112945_20111207_085549_20111217_110932

Number	Product name	#CN0	#FPO
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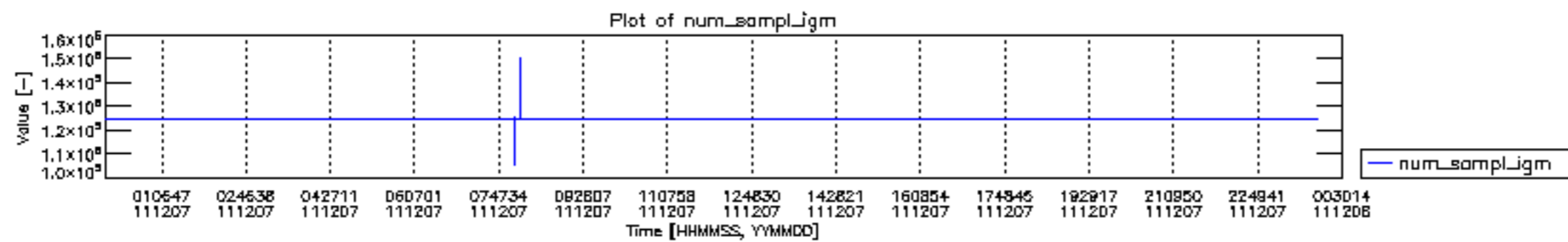
0	MIP_NL__0PNPDE20111207_002140_000059353109_00217_51093_0361.N1	0	1
1	MIP_NL__0PNPDE20111207_015936_000045163109_00218_51094_0362.N1	0	1
2	MIP_NL__0PNPDE20111207_031419_000061213109_00219_51095_0363.N1	0	1
3	MIP_NL__0PNPDE20111207_045547_000060373109_00220_51096_0364.N1	0	1
4	MIP_NL__0PNPDK20111207_063551_000041453109_00221_51097_7727.N1	0	1
5	MIP_NL__0PNPDK20111207_074357_000061213109_00222_51098_7728.N1	0	1
6	MIP_NL__0PNPDK20111207_092422_000059963109_00223_51099_7729.N1	0	1
7	MIP_NL__0PNPDK20111207_110235_000060393109_00224_51100_7730.N1	0	2
8	MIP_NL__0PNPDK20111207_124139_000059603109_00225_51101_7731.N1	0	2
9	MIP_NL__0PNPDK20111207_142015_000059583109_00226_51102_7733.N1	0	2
10	MIP_NL__0PNPDK20111207_155855_000058663109_00227_51103_7734.N1	0	2
11	MIP_NL__0PNPDK20111207_173540_000057913109_00228_51104_7735.N1	0	2
12	MIP_NL__0PNPDK20111207_191106_000061273109_00229_51105_7736.N1	0	2
13	MIP_NL__0PNPDE20111207_205129_000045103109_00230_51106_0365.N1	0	2
14	MIP_NL__0PNPDE20111207_220543_000060503109_00230_51106_0366.N1	0	2
15	MIP_NL__0PNPDE20111207_234534_000060413109_00231_51107_0367.N1	0	2

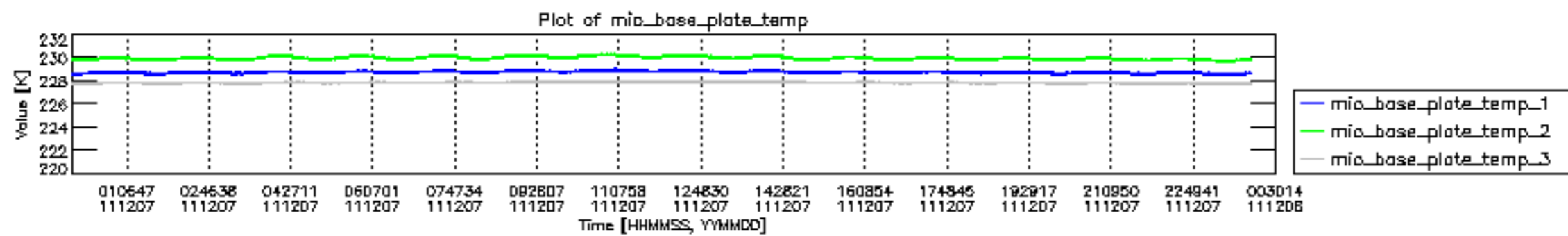


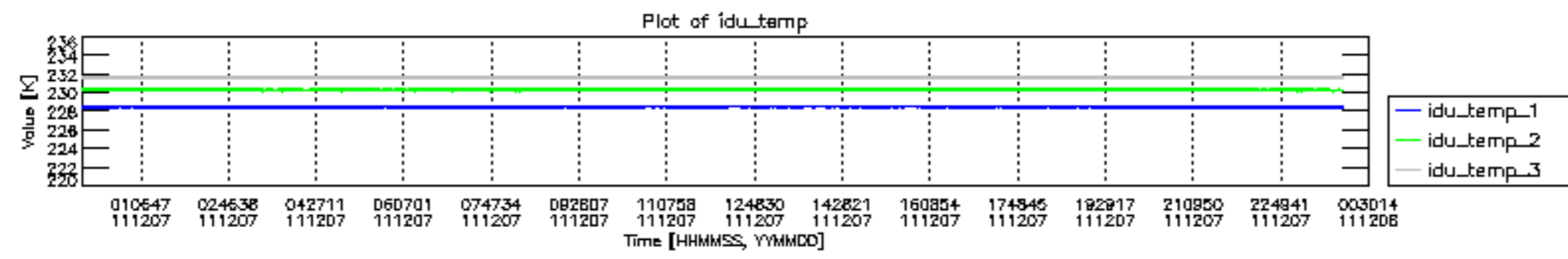
mipas_daily_report_level0_KSPT_L0_4504_N_20111207_12.PNG

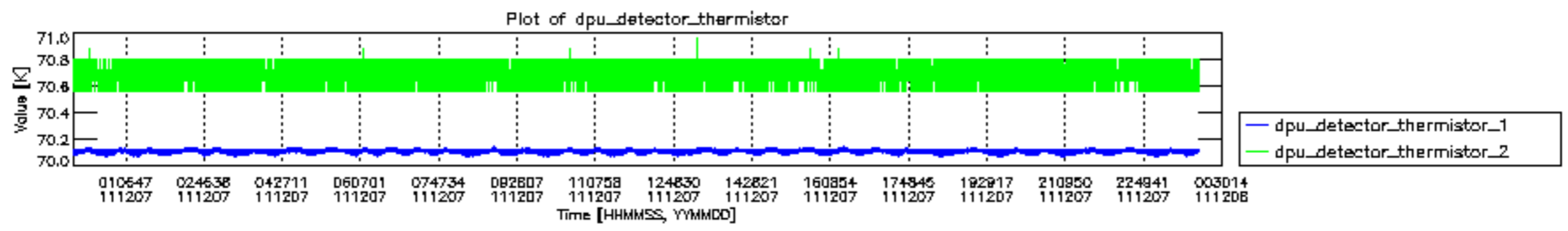


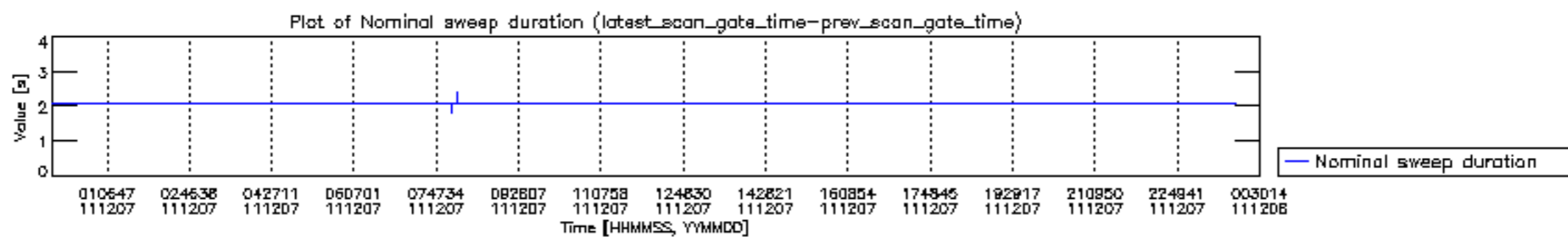
mipas_daily_report_level0_KSPT_L0_4504_N_20111207_13.PNG

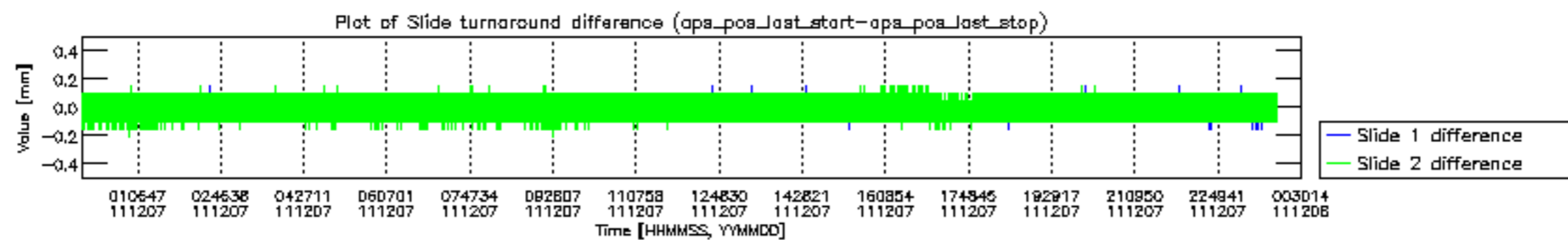


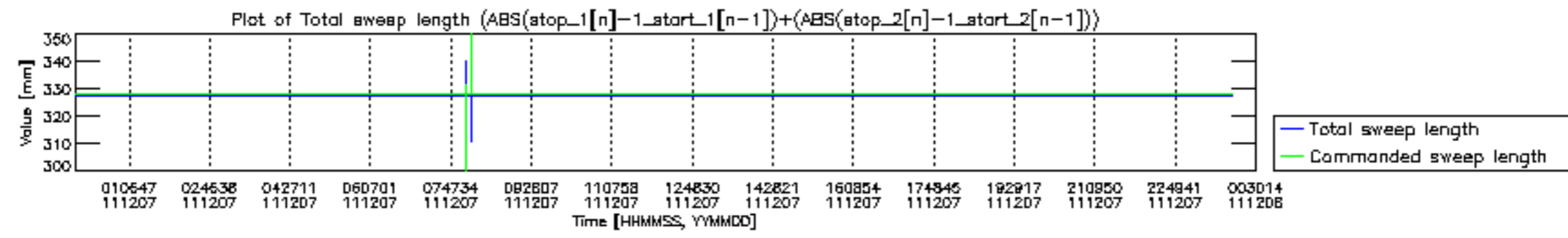


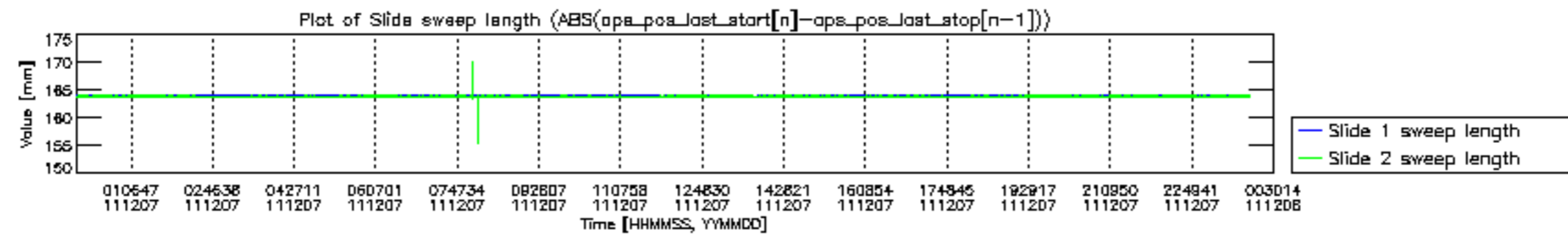


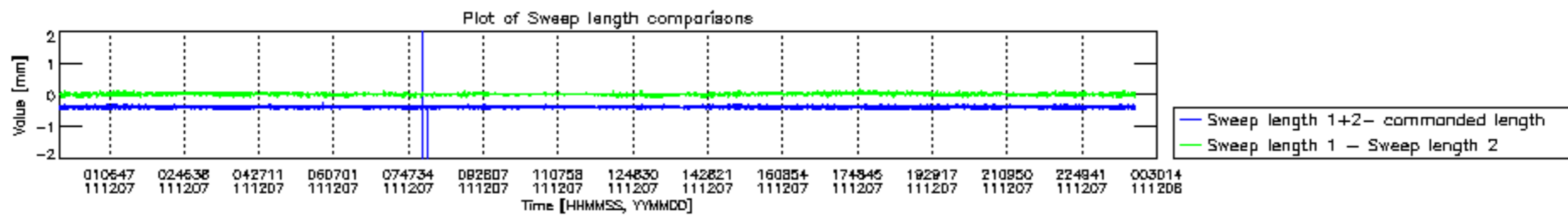


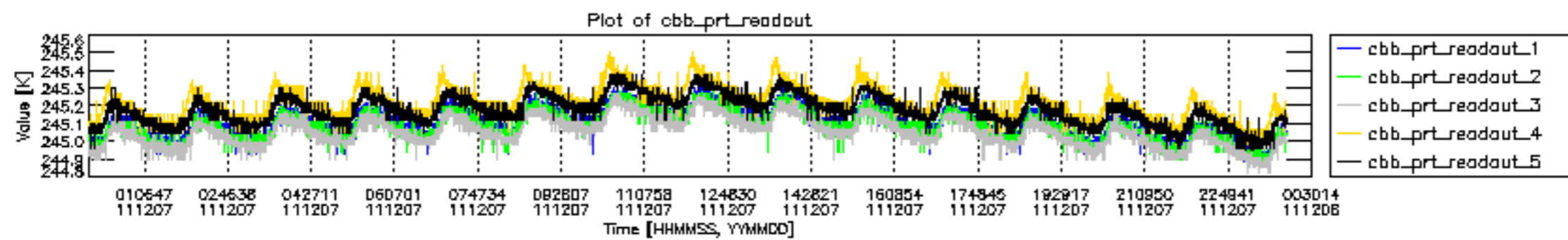


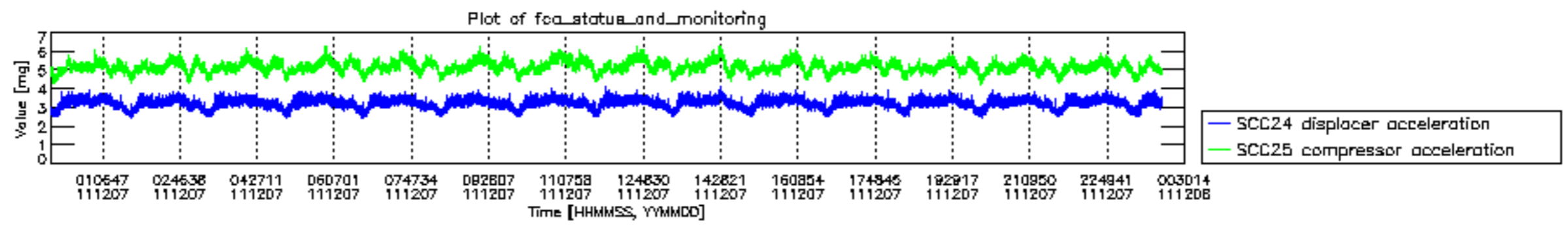












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

