

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	19NOV2011 05:23:54
Data source version	KSPT_L0/4504-N
Processing scope for products	14NOV2011 00:00:00 to 15NOV2011 00:00:00
Start time of first product within scope	14NOV2011 01:05:08
Stop time of last product within scope	15NOV2011 00:31:13
Total number of level 0 products	14
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__0PNPDE20111114_010508_000102863108_00318_50763_4828.N1	14NOV2011 01:05:08	14NOV2011 03:56:34	0	0	0	0	0
1	MIP_NL__0PNPDE20111114_035601_000062513108_00320_50765_4832.N1	14NOV2011 03:56:01	14NOV2011 05:40:11	0	0	0	0	0
2	MIP_NL__0PNPDE20111114_053938_000059893108_00321_50766_4833.N1	14NOV2011 05:39:38	14NOV2011 07:19:27	0	0	0	0	0
3	MIP_NL__0PNPDK20111114_071844_000041183108_00322_50767_7519.N1	14NOV2011 07:18:44	14NOV2011 08:27:21	0	0	0	0	0
4	MIP_NL__0PNPDK20111114_082623_000061563108_00323_50768_7520.N1	14NOV2011 08:26:23	14NOV2011 10:08:59	0	0	0	0	0
5	MIP_NL__0PNPDK20111114_100719_000060313108_00324_50769_7521.N1	14NOV2011 10:07:19	14NOV2011 11:47:50	0	0	0	0	0
6	MIP_NL__0PNPDK20111114_114610_000059453108_00325_50770_7522.N1	14NOV2011 11:46:10	14NOV2011 13:25:15	0	0	0	0	0
7	MIP_NL__0PNPDK20111114_132337_000060213108_00326_50771_7523.N1	14NOV2011 13:23:37	14NOV2011 15:03:58	0	0	0	0	0
8	MIP_NL__0PNPDK20111114_150228_000059703108_00327_50772_7524.N1	14NOV2011 15:02:28	14NOV2011 16:41:58	0	0	0	0	0
9	MIP_NL__0PNPDK20111114_164114_000057993108_00328_50773_7525.N1	14NOV2011 16:41:14	14NOV2011 18:17:54	0	0	0	0	0
10	MIP_NL__0PNPDK20111114_181649_000061003108_00329_50774_7526.N1	14NOV2011 18:16:49	14NOV2011 19:58:29	0	0	0	0	0
11	MIP_NL__0PNPDE20111114_195630_000040673108_00330_50775_4834.N1	14NOV2011 19:56:30	14NOV2011 21:04:17	0	0	0	0	0
12	MIP_NL__0PNPDE20111114_210243_000064513108_00330_50775_4835.N1	14NOV2011 21:02:43	14NOV2011 22:50:14	0	0	0	0	0
13	MIP_NL__0PNPDE20111114_224910_000061233108_00331_50776_4836.N1	14NOV2011 22:49:10	15NOV2011 00:31:13	0	0	0	0	0

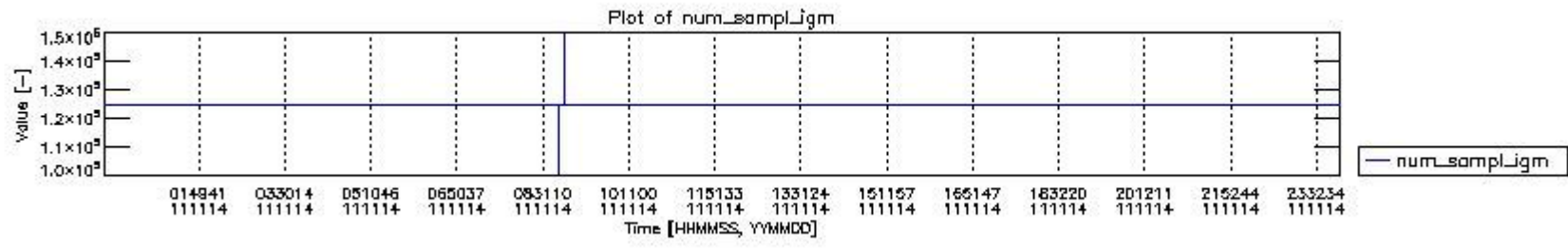
0.2 Instrument Operational Performance Parameters

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.

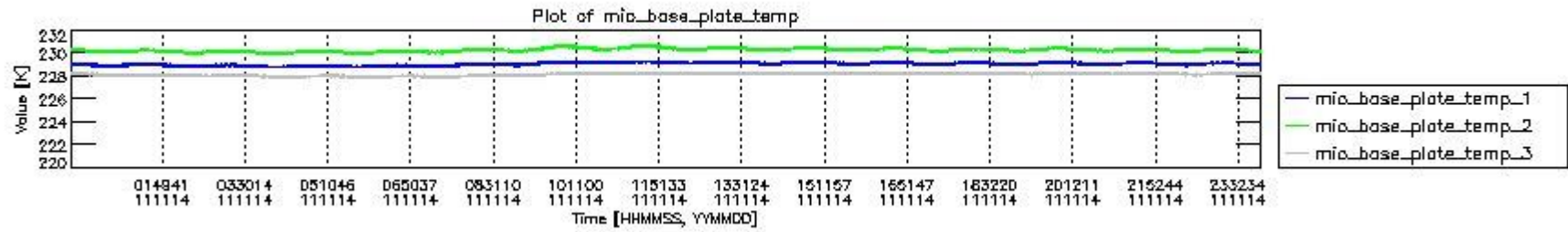
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100882	1	0.0023982541
102775	1	0.0023982541
122907	1	0.0023982541
124800	38733	92.891575

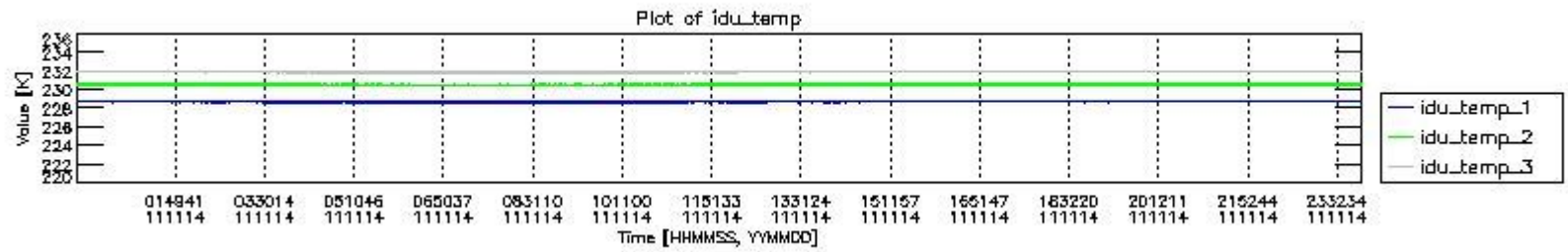
124803	2958	7.0940355
126862	1	0.0023982541
146994	1	0.0023982541
149056	1	0.0023982541



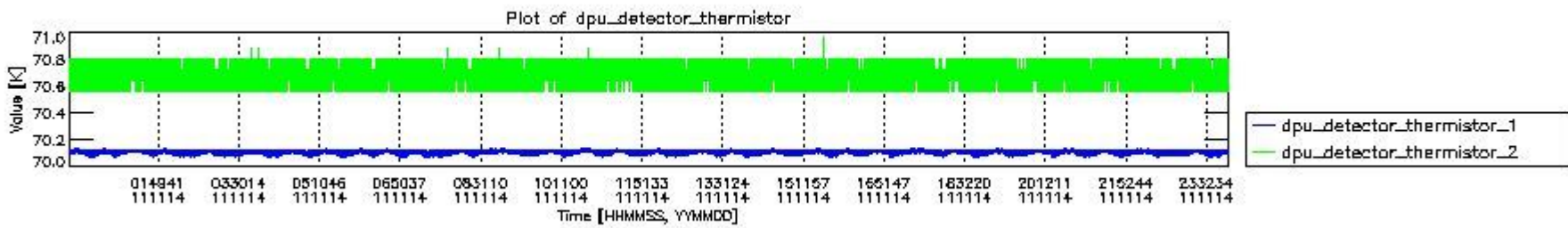
mipas_daily_report_level0_KSPT_L0_4504_N_20111114_0.PNG



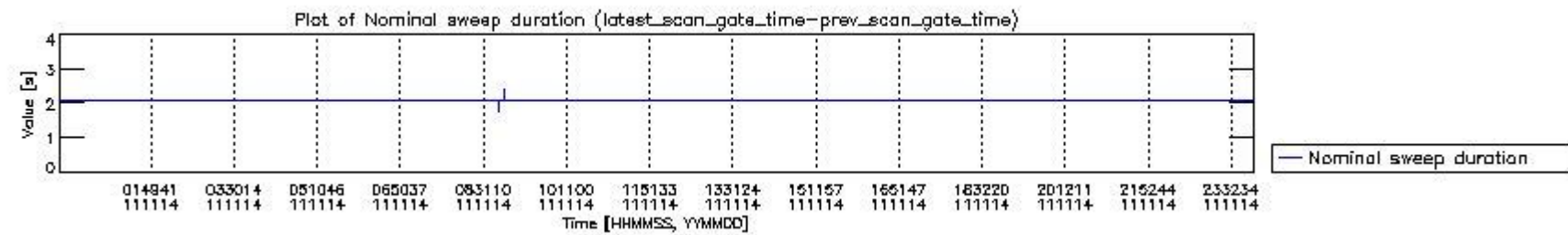
mipas_daily_report_level0_KSPT_L0_4504_N_20111114_1.PNG



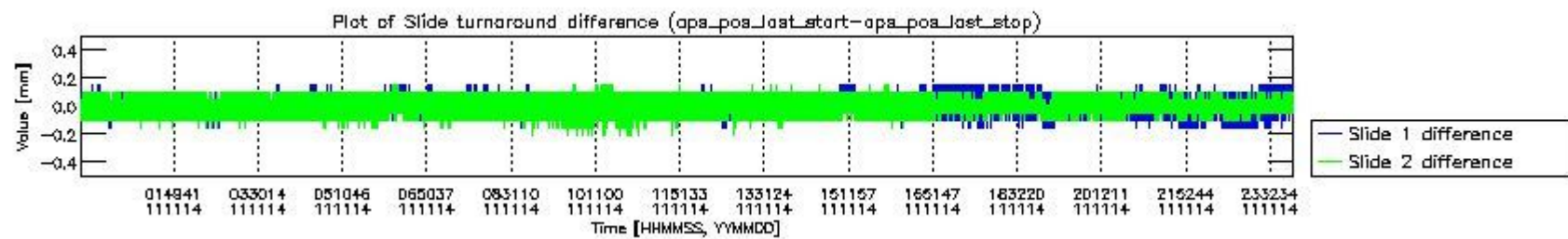
mipas_daily_report_level0_KSPT_L0_4504_N_20111114_2.PNG



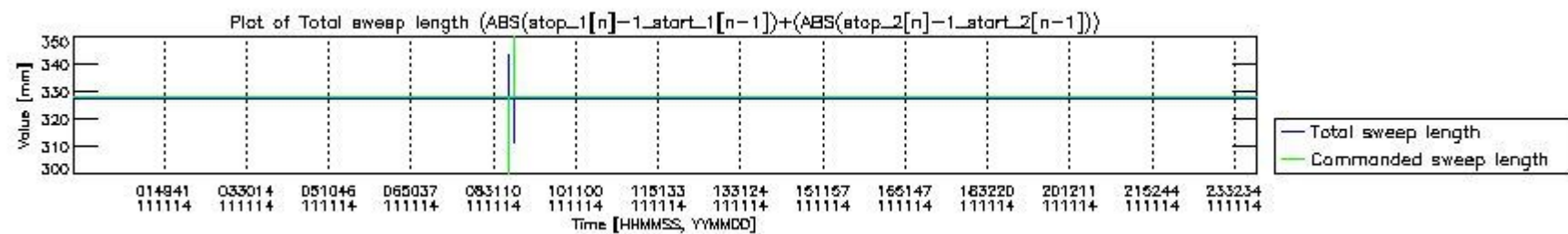
mipas_daily_report_level0_KSPT_L0_4504_N_20111114_3.PNG



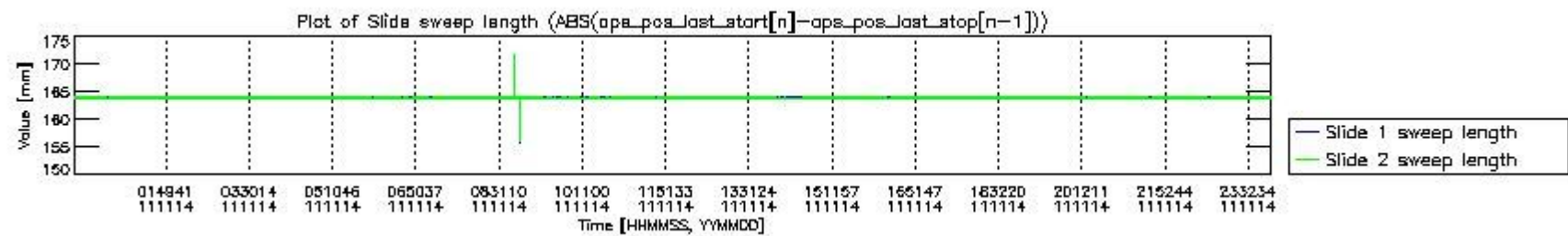
mipas_daily_report_level0_KSPT_L0_4504_N_20111114_4.PNG



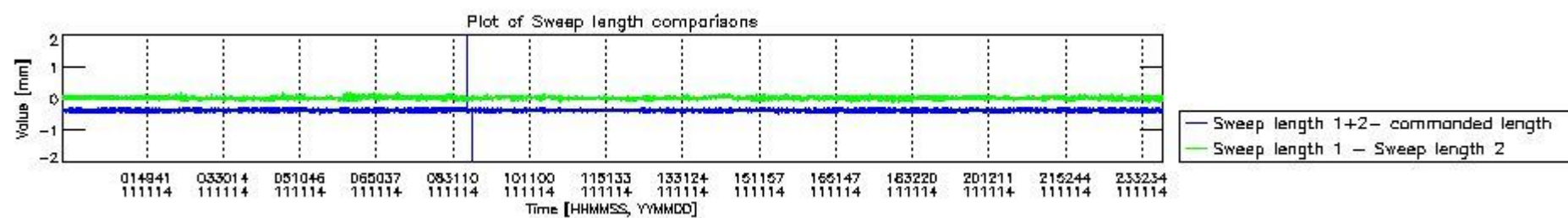
mipas_daily_report_level0_KSPT_L0_4504_N_20111114_5.PNG



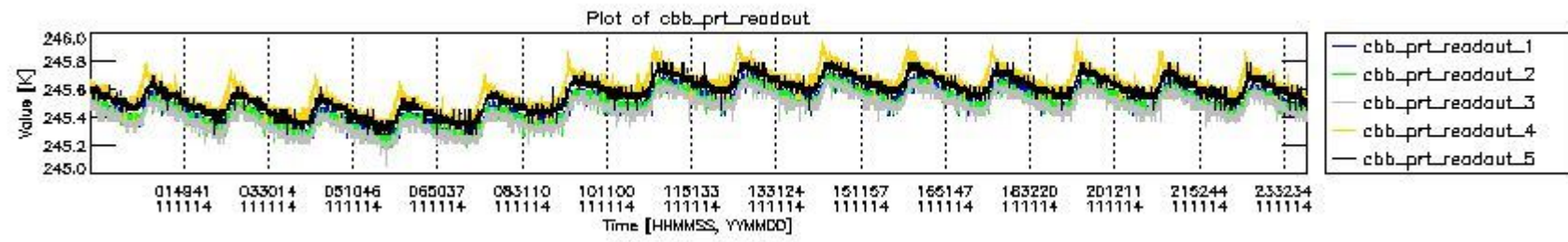
mipas_daily_report_level0_KSPT_L0_4504_N_20111114_6.PNG



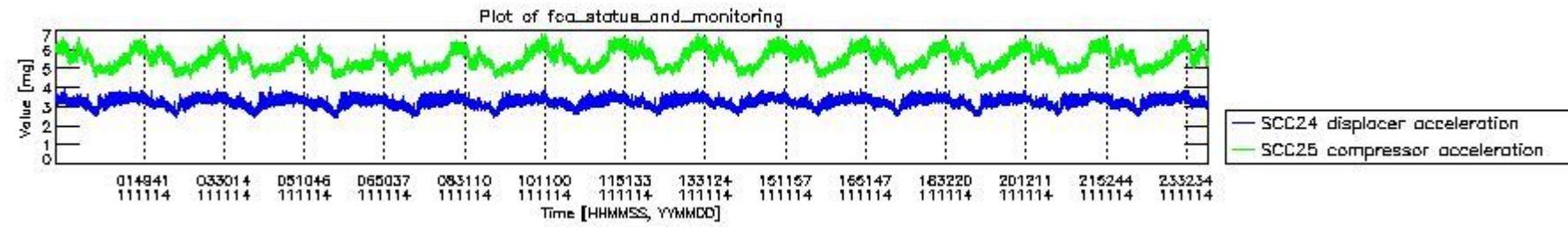
mipas_daily_report_level0_KSPT_L0_4504_N_20111114_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111114_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111114_9.PNG

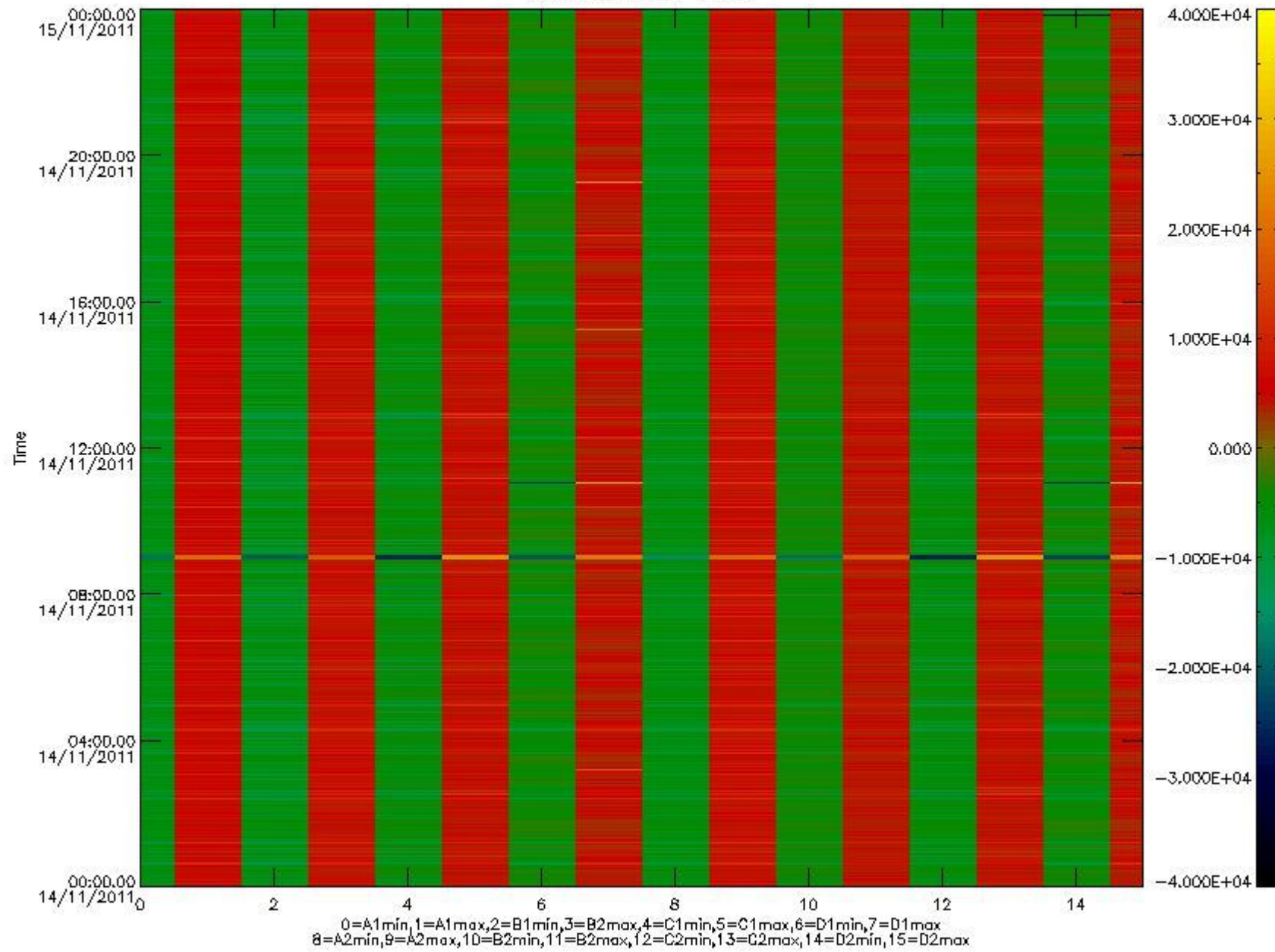


mipas_daily_report_level0_KSPT_L0_4504_N_20111114_10.PNG

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

Channel	Min	Max	ADC
A1	-18468	19584	16bit
B1	-20794	17843	16bit
C1	-25634	25568	16bit
D1	-32768	32767	16bit
A2	-15980	19760	16bit
B2	-18797	18429	16bit
C2	-26687	26272	16bit
D2	-32768	32767	16bit

MIPNL0P_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111114_11.PNG

0.3 ADF monitoring

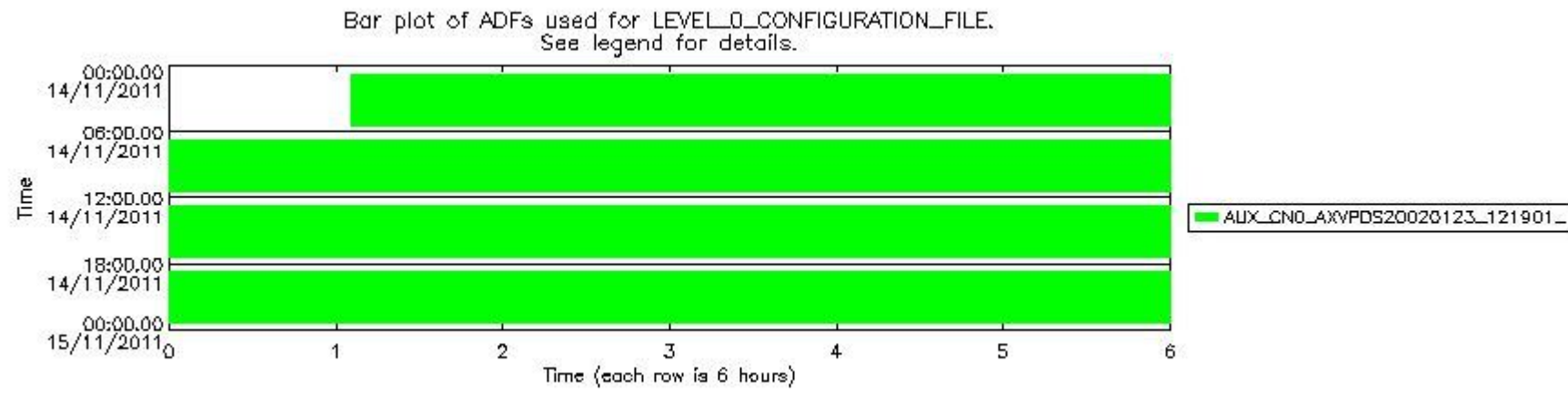
The use of ADFs is shown in two ways:

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.

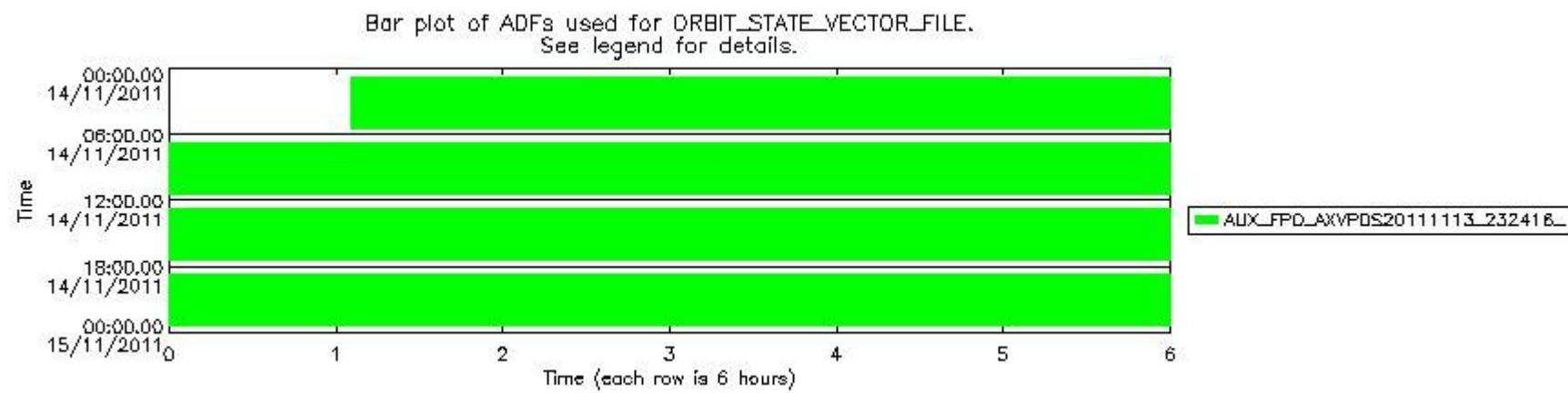
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111113_232416_20111113_183702_20111123_205044

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111114_010508_000102863108_00318_50763_4828.N1	0	1

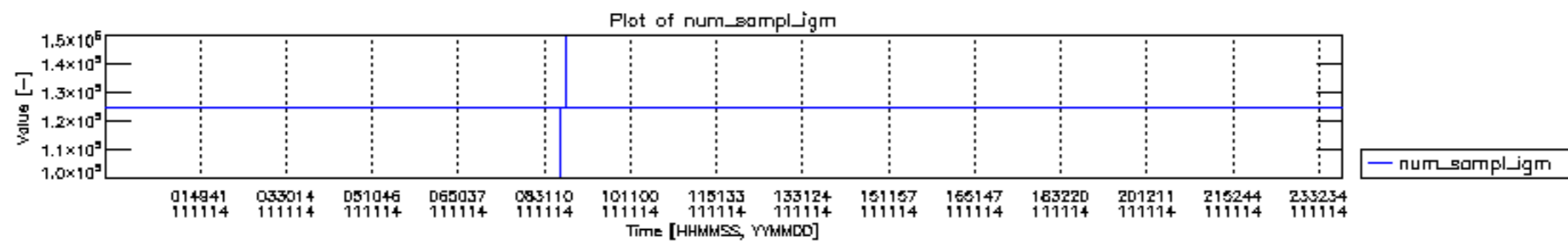
1	MIP_NL__0PNPDE20111114_035601_000062513108_00320_50765_4832.N1	0	1
2	MIP_NL__0PNPDE20111114_053938_000059893108_00321_50766_4833.N1	0	1
3	MIP_NL__0PNPDK20111114_071844_000041183108_00322_50767_7519.N1	0	1
4	MIP_NL__0PNPDK20111114_082623_000061563108_00323_50768_7520.N1	0	1
5	MIP_NL__0PNPDK20111114_100719_000060313108_00324_50769_7521.N1	0	1
6	MIP_NL__0PNPDK20111114_114610_000059453108_00325_50770_7522.N1	0	1
7	MIP_NL__0PNPDK20111114_132337_000060213108_00326_50771_7523.N1	0	1
8	MIP_NL__0PNPDK20111114_150228_000059703108_00327_50772_7524.N1	0	1
9	MIP_NL__0PNPDK20111114_164114_000057993108_00328_50773_7525.N1	0	1
10	MIP_NL__0PNPDK20111114_181649_000061003108_00329_50774_7526.N1	0	1
11	MIP_NL__0PNPDE20111114_195630_000040673108_00330_50775_4834.N1	0	1
12	MIP_NL__0PNPDE20111114_210243_000064513108_00330_50775_4835.N1	0	1
13	MIP_NL__0PNPDE20111114_224910_000061233108_00331_50776_4836.N1	0	1

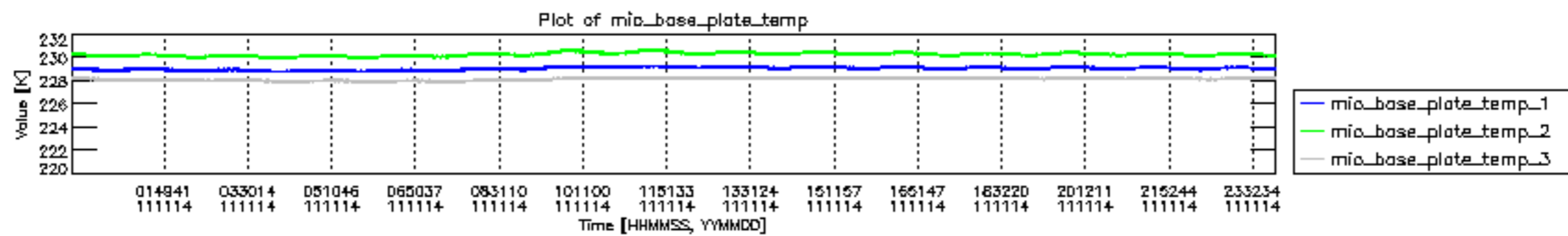


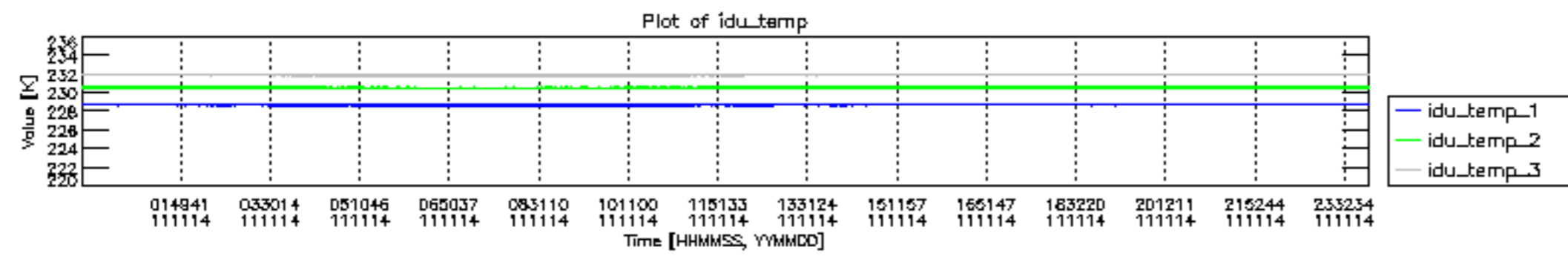
mipas_daily_report_level0_KSPT_L0_4504_N_20111114_12.PNG

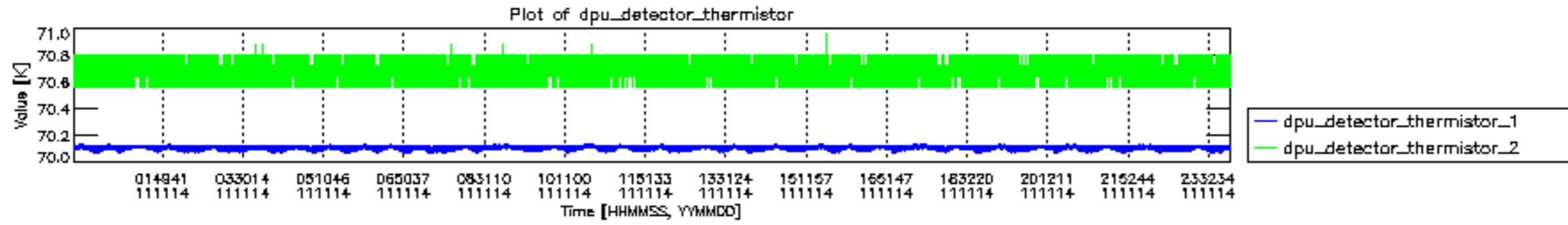


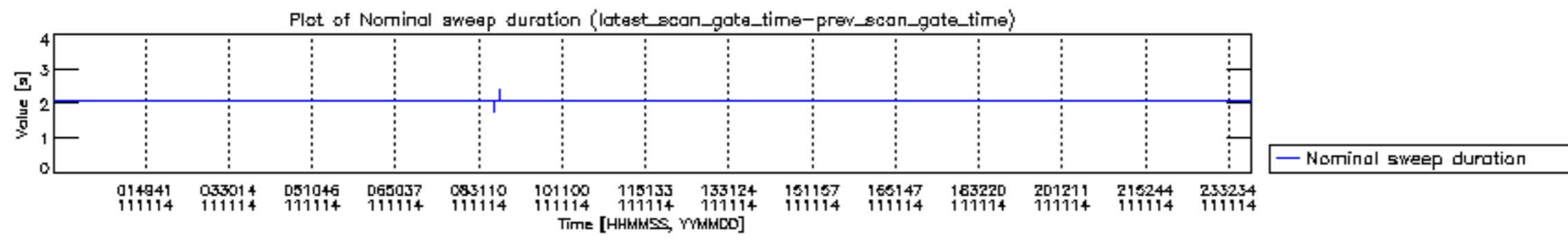
mipas_daily_report_level0_KSPT_L0_4504_N_20111114_13.PNG

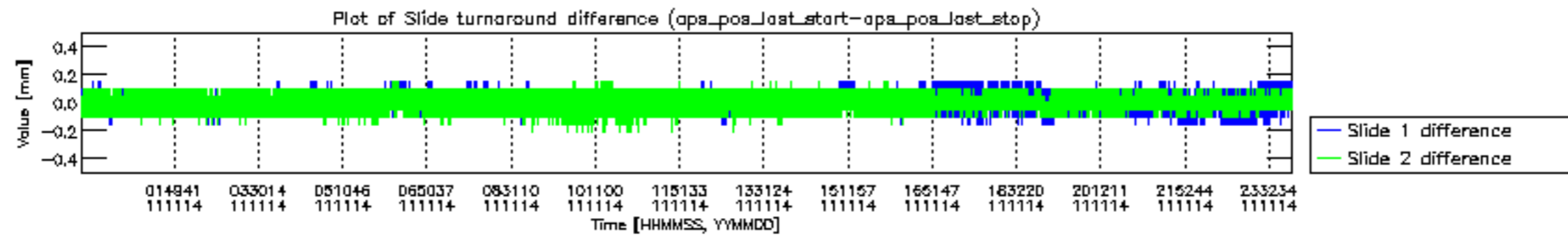


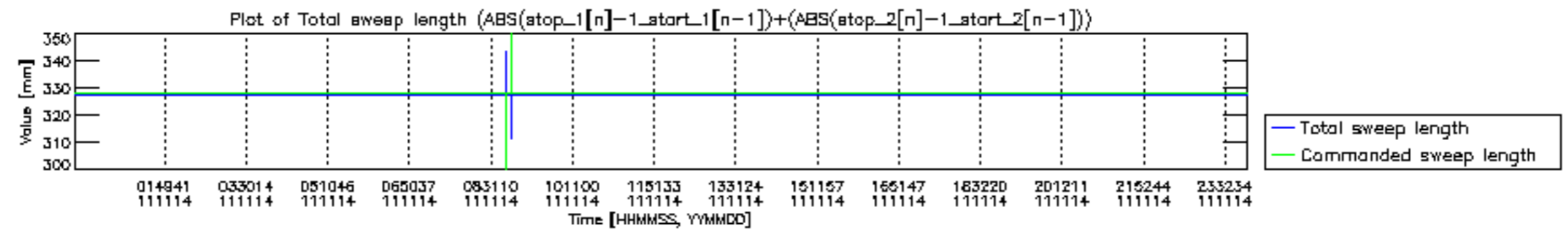


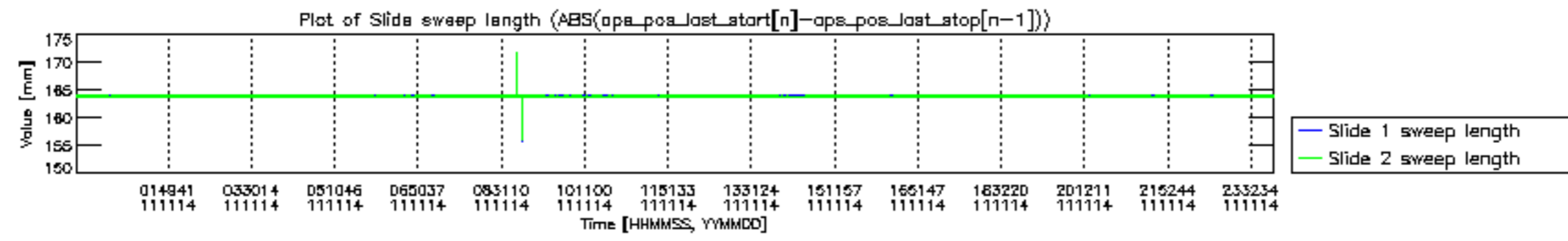


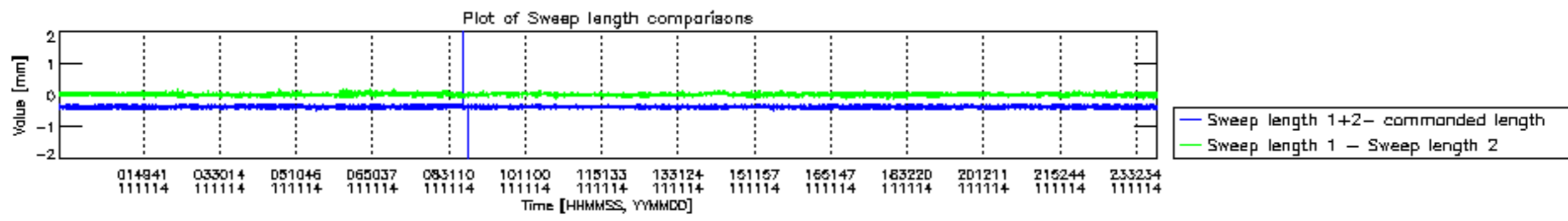


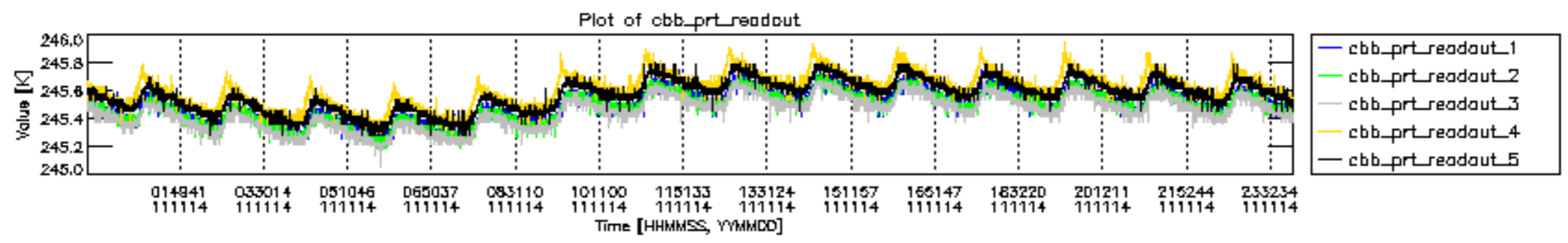


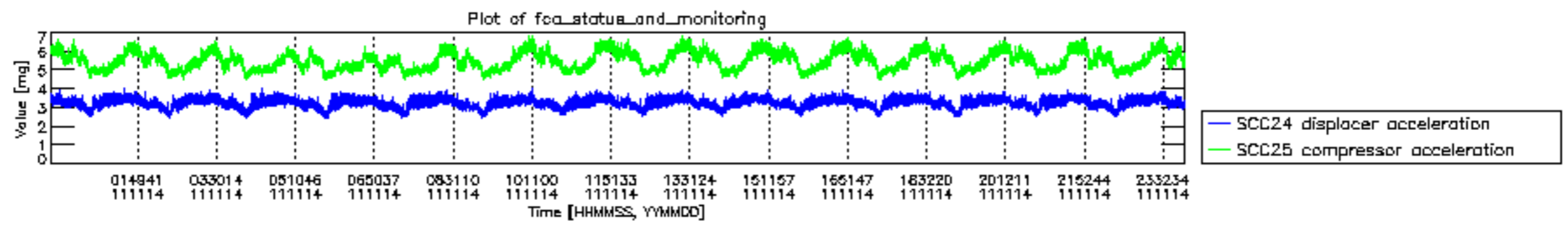












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

