

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	16NOV2010 05:23:45
Data source version	KSPT_L0/4504-N
Processing scope for products	11NOV2010 00:00:00 to 12NOV2010 00:00:00
Start time of first product within scope	11NOV2010 00:53:36
Stop time of last product within scope	12NOV2010 00:18:40
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__0PNPDE20101111_005336_000101863096_00203_45476_1827.N1	11NOV2010 00:53:36	11NOV2010 03:43:23	0	0	0	0	0
1	MIP_NL__0PNPDE20101111_013500_000077023096_00204_45477_1828.N1	11NOV2010 01:35:00	11NOV2010 03:43:23	0	0	0	0	0
2	MIP_NL__0PNPDE20101111_034249_000062743096_00205_45478_1829.N1	11NOV2010 03:42:49	11NOV2010 05:27:23	0	0	0	0	0
3	MIP_NL__0PNPDE20101111_052647_000060523096_00206_45479_1831.N1	11NOV2010 05:26:47	11NOV2010 07:07:39	0	0	0	0	0
4	MIP_NL__0PNPDK20101111_070706_000039843096_00207_45480_3242.N1	11NOV2010 07:07:06	11NOV2010 08:13:30	0	0	0	0	0
5	MIP_NL__0PNPDK20101111_081233_000061953096_00208_45481_3243.N1	11NOV2010 08:12:33	11NOV2010 09:55:48	0	0	0	0	0
6	MIP_NL__0PNPDK20101111_095429_000058643096_00209_45482_3244.N1	11NOV2010 09:54:29	11NOV2010 11:32:13	0	0	0	0	0
7	MIP_NL__0PNPDK20101111_113115_000061803096_00210_45483_3245.N1	11NOV2010 11:31:15	11NOV2010 13:14:14	0	0	0	0	0
8	MIP_NL__0PNPDK20101111_131316_000058493096_00211_45484_3246.N1	11NOV2010 13:13:16	11NOV2010 14:50:45	0	0	0	0	0
9	MIP_NL__0PNPDK20101111_144949_000059683096_00212_45485_3247.N1	11NOV2010 14:49:49	11NOV2010 16:29:17	0	0	0	0	0
10	MIP_NL__0PNPDK20101111_162842_000058353096_00213_45486_3248.N1	11NOV2010 16:28:42	11NOV2010 18:05:57	0	0	0	0	0
11	MIP_NL__0PNPDK20101111_180456_000059143096_00214_45487_3249.N1	11NOV2010 18:04:56	11NOV2010 19:43:30	0	0	0	0	0
12	MIP_NL__0PNPDE20101111_194158_000041973096_00215_45488_1836.N1	11NOV2010 19:41:58	11NOV2010 20:51:55	0	0	0	0	0
13	MIP_NL__0PNPDE20101111_205059_000063573096_00215_45488_1837.N1	11NOV2010 20:50:59	11NOV2010 22:36:56	0	0	0	0	0
14	MIP_NL__0PNPDE20101111_223549_000061713096_00216_45489_1838.N1	11NOV2010 22:35:49	12NOV2010 00:18:40	0	0	0	0	0

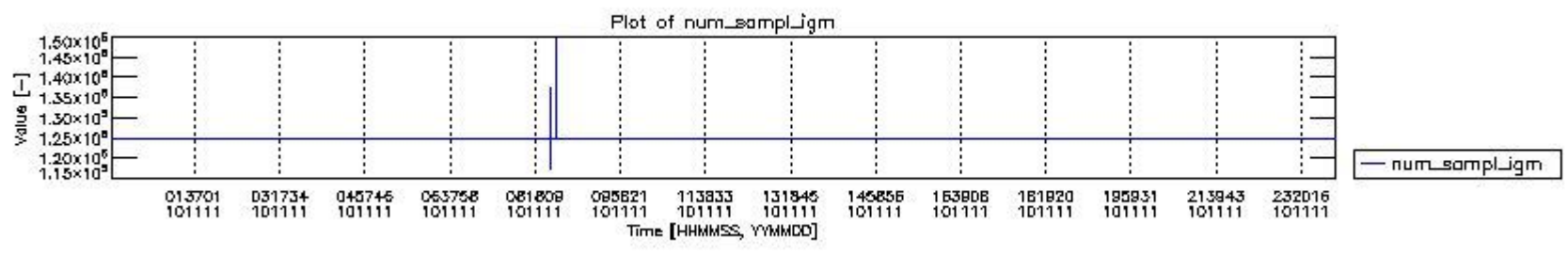
0.2 Instrument Operational Performance Parameters

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.

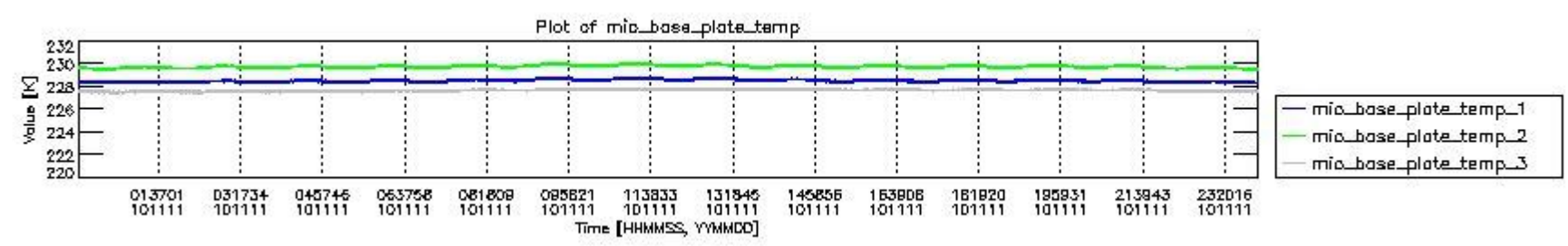
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
117420	1	0.0024048867
124800	38629	92.898369
124803	2947	7.0872012

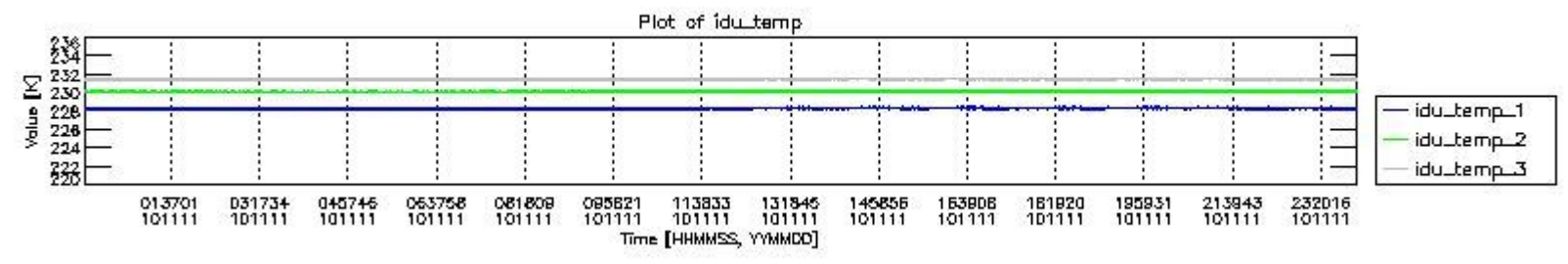
127010	1	0.0024048867
130172	1	0.0024048867
137552	1	0.0024048867
147142	1	0.0024048867
149352	1	0.0024048867



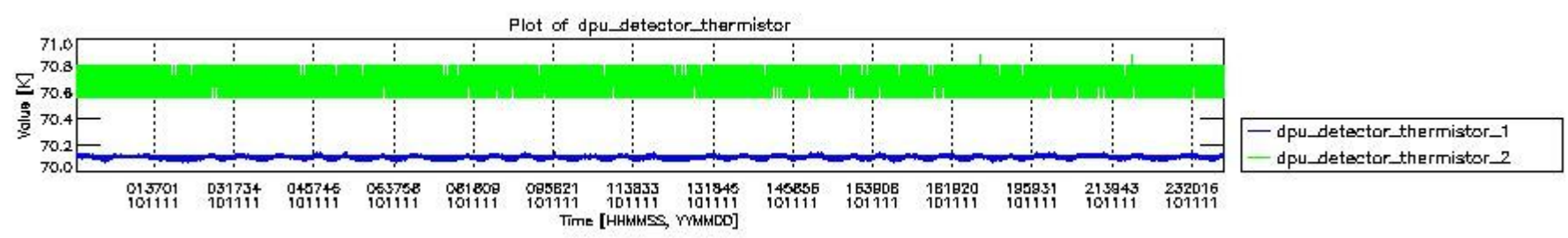
mipas_daily_report_level0_KSPT_L0_4504_N_20101111_0.PNG



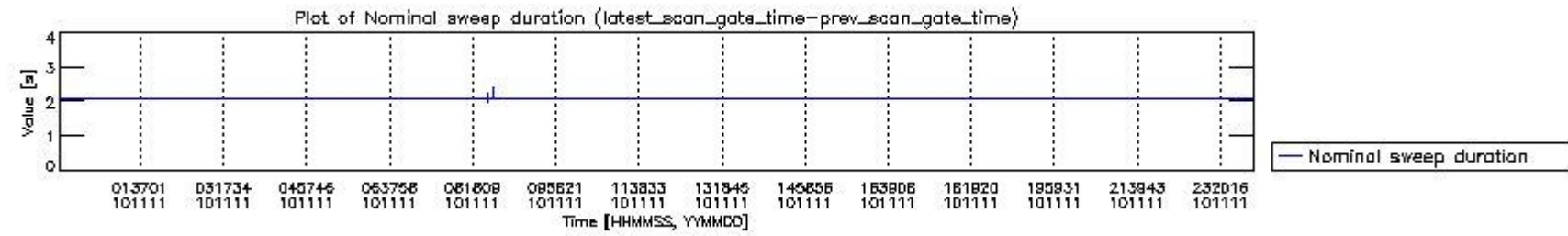
mipas_daily_report_level0_KSPT_L0_4504_N_20101111_1.PNG



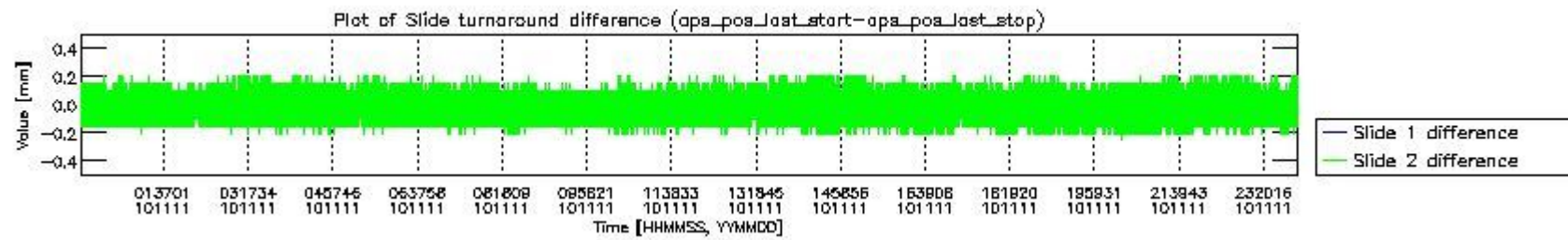
mipas_daily_report_level0_KSPT_L0_4504_N_20101111_2.PNG



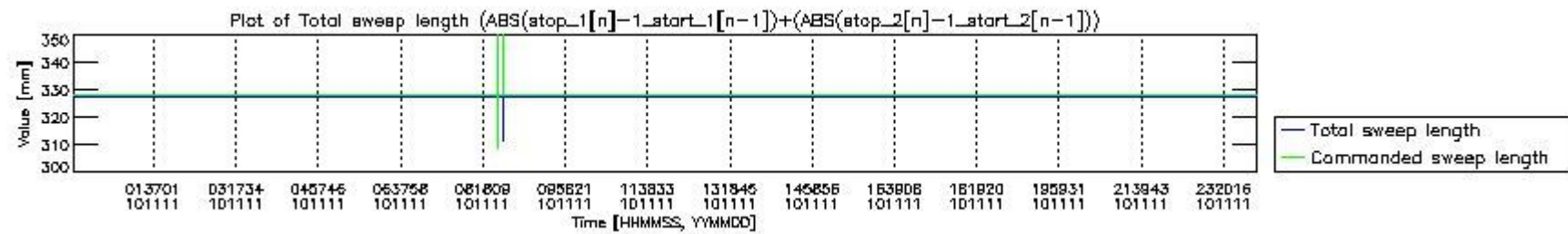
mipas_daily_report_level0_KSPT_L0_4504_N_20101111_3.PNG



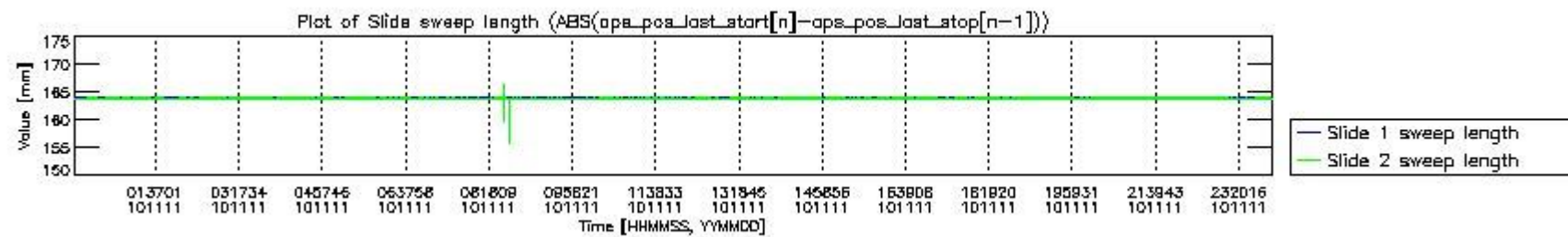
mipas_daily_report_level0_KSPT_L0_4504_N_20101111_4.PNG



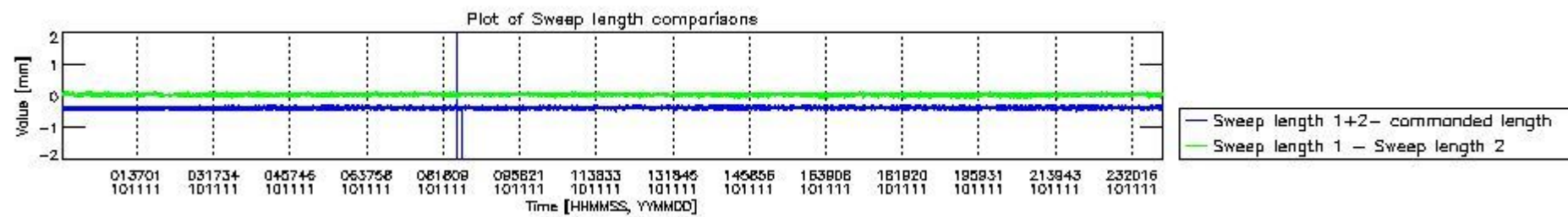
mipas_daily_report_level0_KSPT_L0_4504_N_20101111_5.PNG



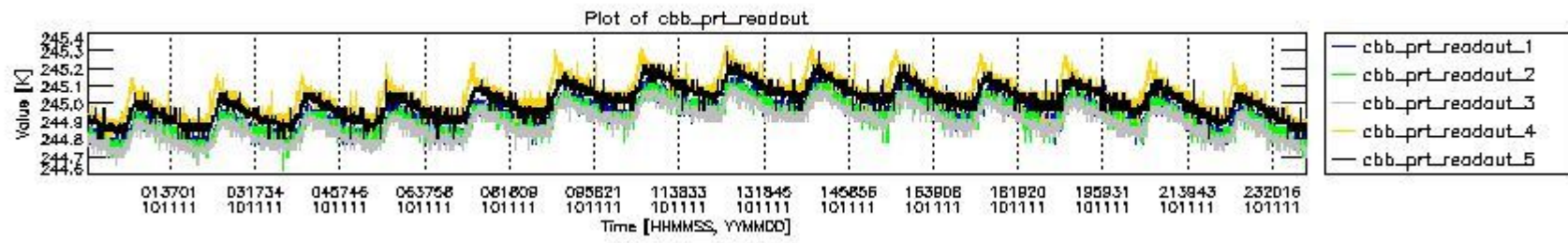
mipas_daily_report_level0_KSPT_L0_4504_N_20101111_6.PNG



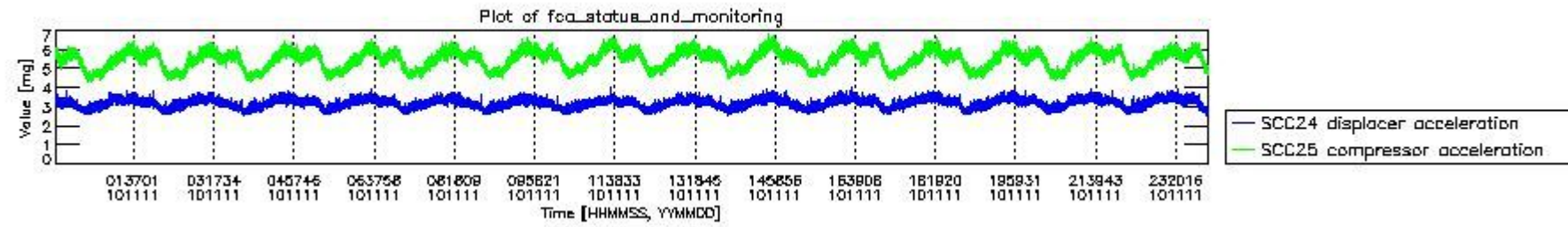
mipas_daily_report_level0_KSPT_L0_4504_N_20101111_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101111_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101111_9.PNG

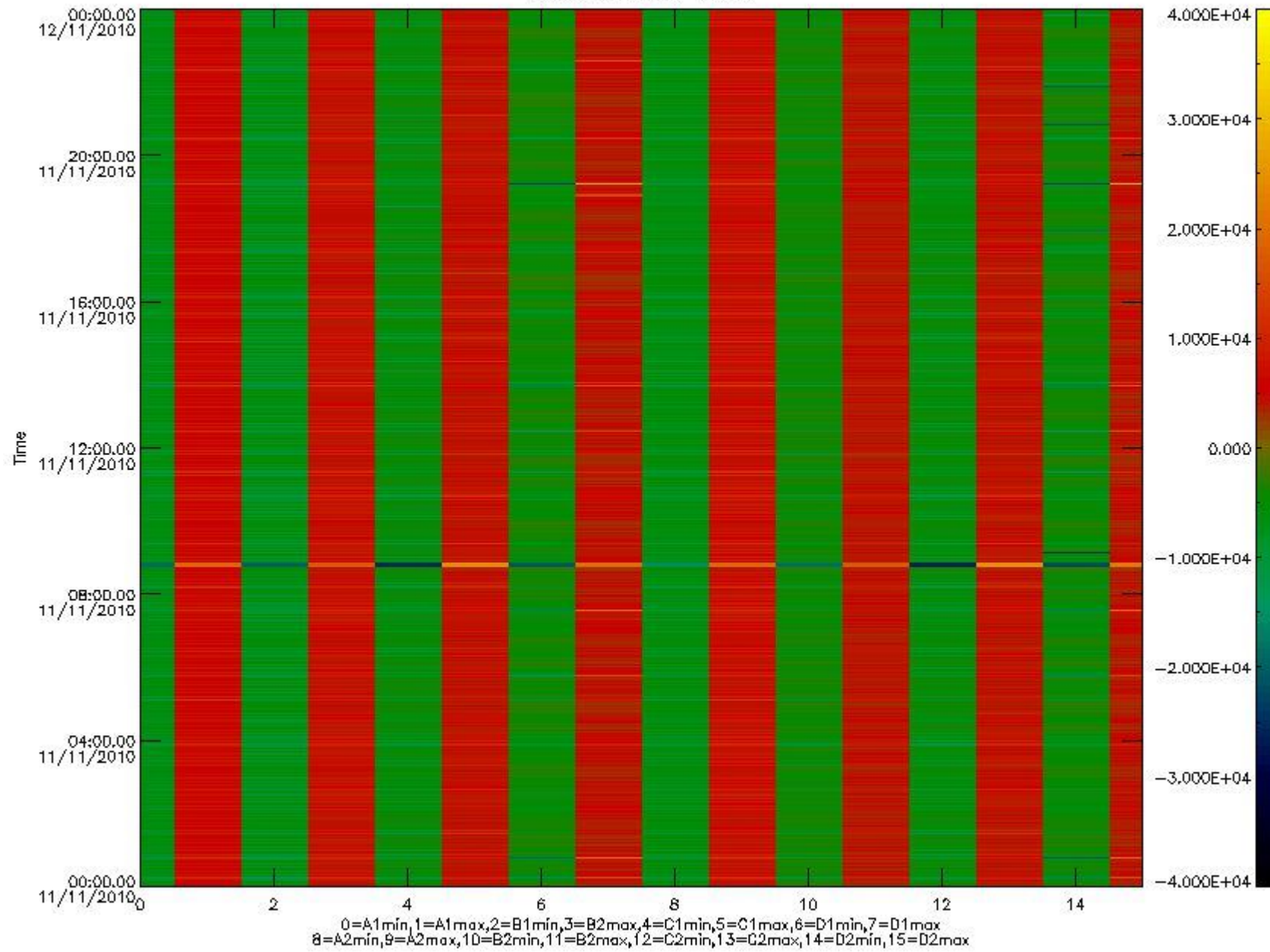


mipas_daily_report_level0_KSPT_L0_4504_N_20101111_10.PNG

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

Channel	Min	Max	ADC
A1	-18701	19906	16bit
B1	-20752	17821	16bit
C1	-25882	25239	16bit
D1	-32768	32767	16bit
A2	-16124	20026	16bit
B2	-18911	18470	16bit
C2	-26322	25965	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_20101111_11.PNG

0.3 ADF monitoring

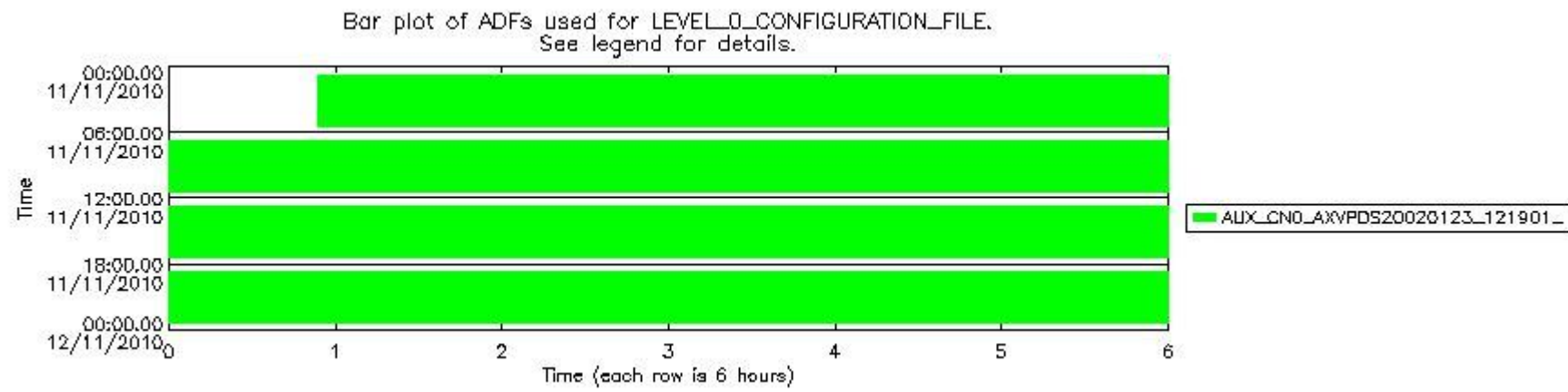
The use of ADFs is shown in two ways:

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.

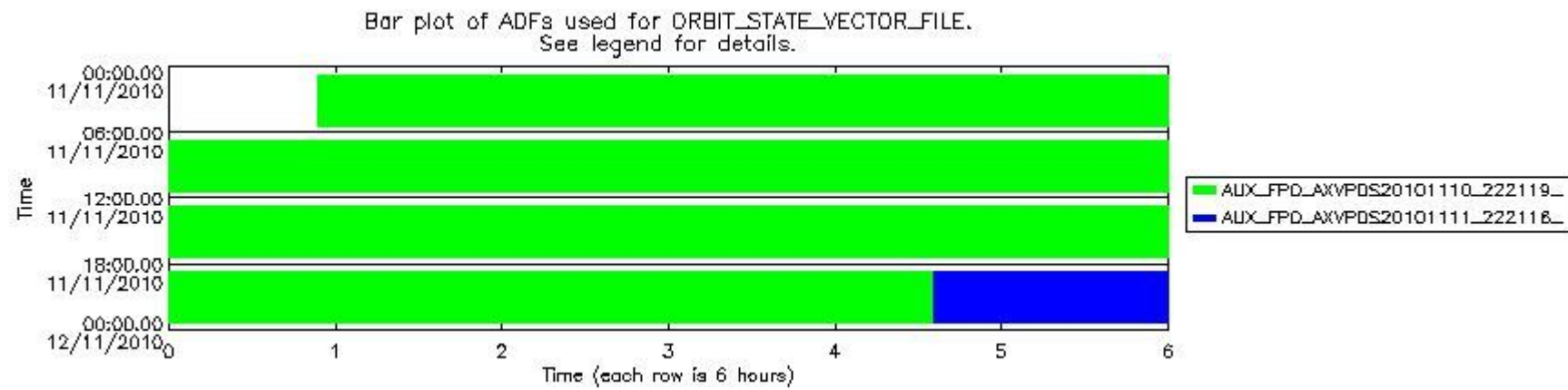
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101110_222119_20101110_182413_20101120_203808
2	AUX_FPO_AXVPDS20101111_222116_20101111_192744_20101121_200125

Number	Product name	#CN0	#FPO
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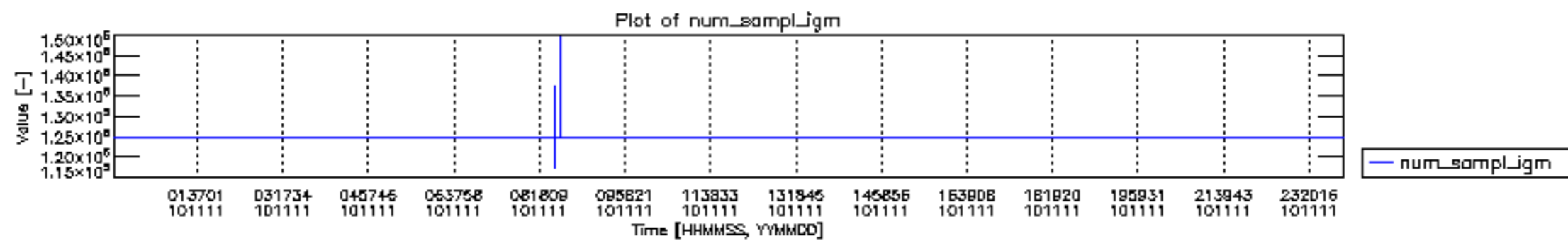
0	MIP_NL__0PNPDE20101111_005336_000101863096_00203_45476_1827.N1	0	1
1	MIP_NL__0PNPDE20101111_013500_000077023096_00204_45477_1828.N1	0	1
2	MIP_NL__0PNPDE20101111_034249_000062743096_00205_45478_1829.N1	0	1
3	MIP_NL__0PNPDE20101111_052647_000060523096_00206_45479_1831.N1	0	1
4	MIP_NL__0PNPDK20101111_070706_000039843096_00207_45480_3242.N1	0	1
5	MIP_NL__0PNPDK20101111_081233_000061953096_00208_45481_3243.N1	0	1
6	MIP_NL__0PNPDK20101111_095429_000058643096_00209_45482_3244.N1	0	1
7	MIP_NL__0PNPDK20101111_113115_000061803096_00210_45483_3245.N1	0	1
8	MIP_NL__0PNPDK20101111_131316_000058493096_00211_45484_3246.N1	0	1
9	MIP_NL__0PNPDK20101111_144949_000059683096_00212_45485_3247.N1	0	1
10	MIP_NL__0PNPDK20101111_162842_000058353096_00213_45486_3248.N1	0	1
11	MIP_NL__0PNPDK20101111_180456_000059143096_00214_45487_3249.N1	0	1
12	MIP_NL__0PNPDE20101111_194158_000041973096_00215_45488_1836.N1	0	1
13	MIP_NL__0PNPDE20101111_205059_000063573096_00215_45488_1837.N1	0	1
14	MIP_NL__0PNPDE20101111_223549_000061713096_00216_45489_1838.N1	0	2

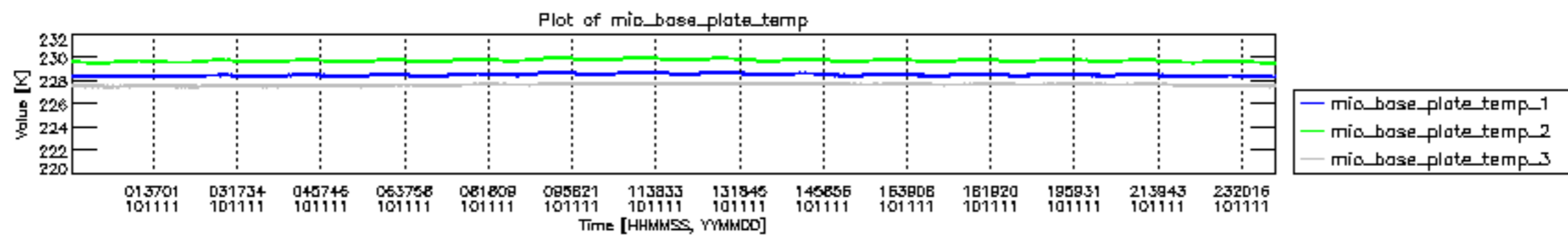


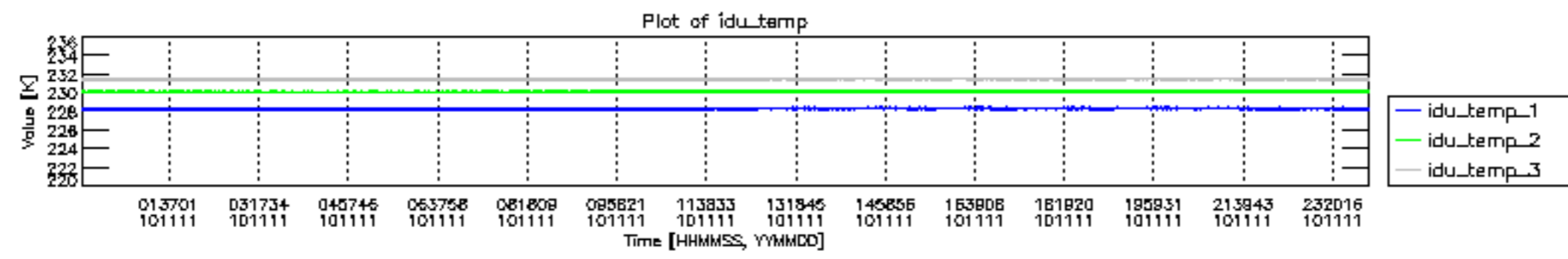
mipas_daily_report_level0_KSPT_L0_4504_N_20101111_12.PNG

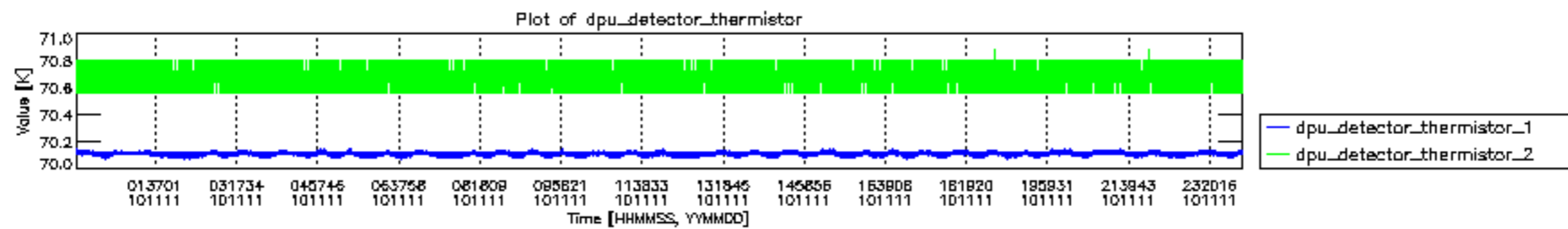


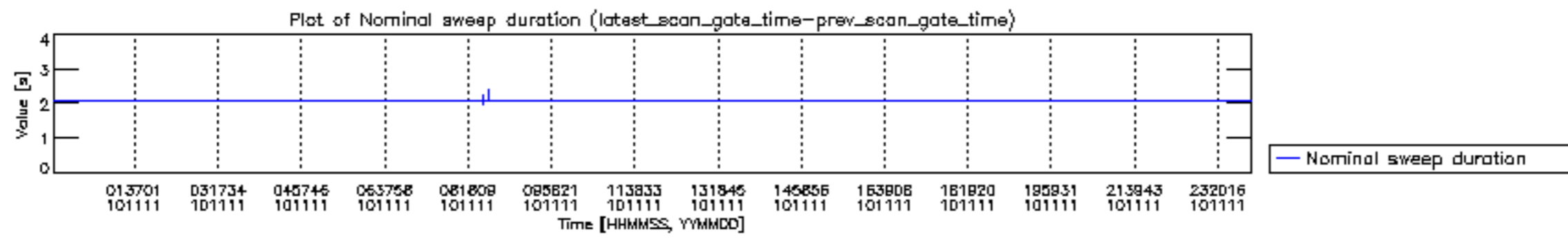
mipas_daily_report_level0_KSPT_L0_4504_N_20101111_13.PNG

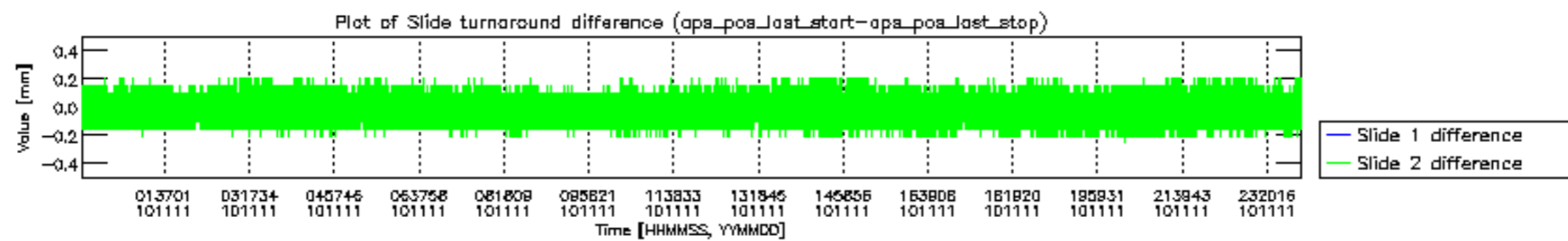


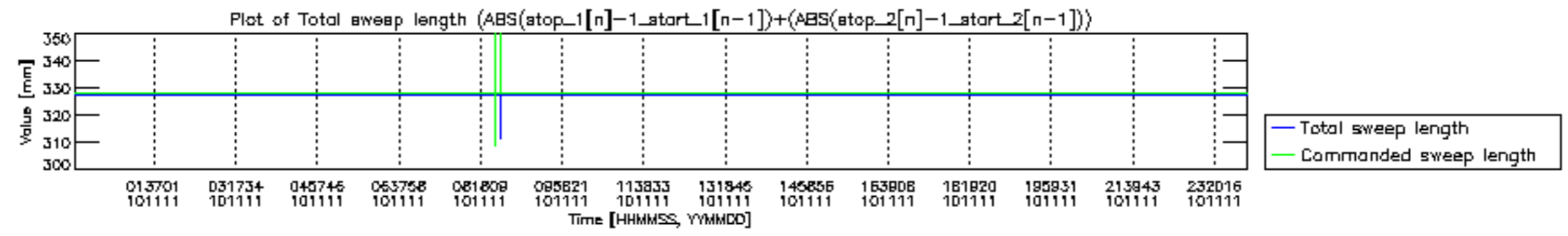


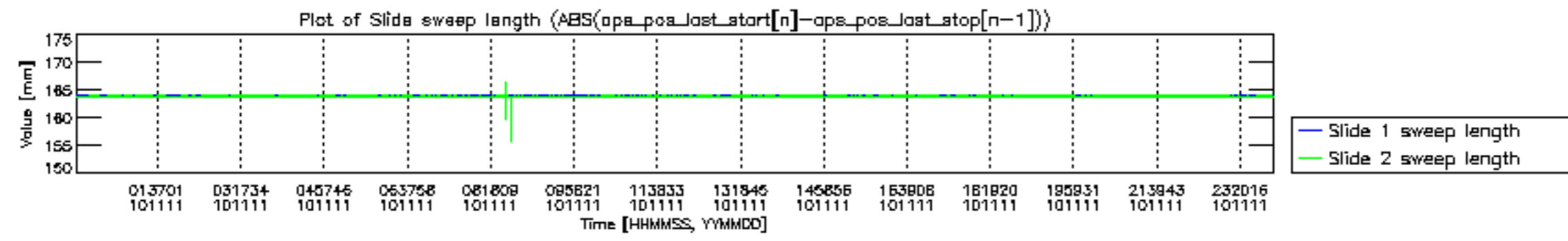


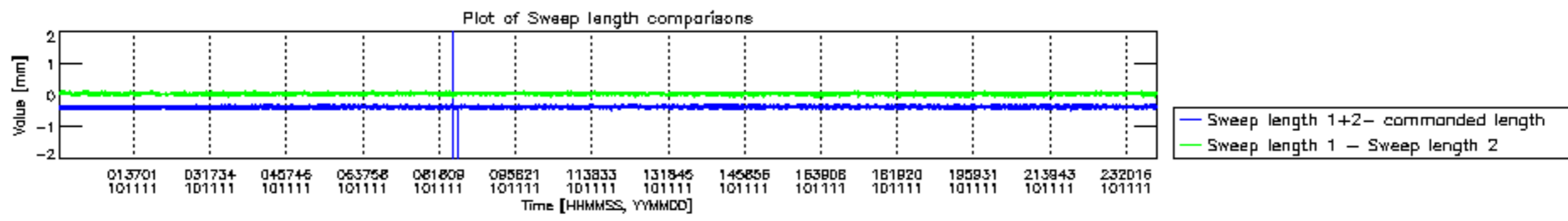


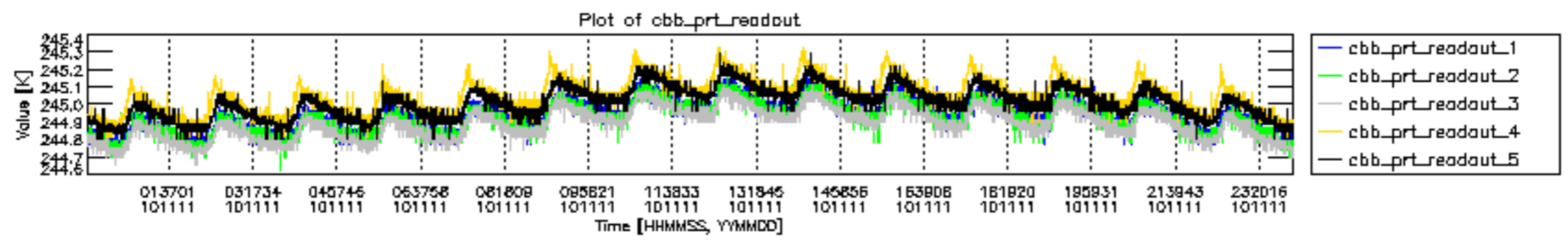


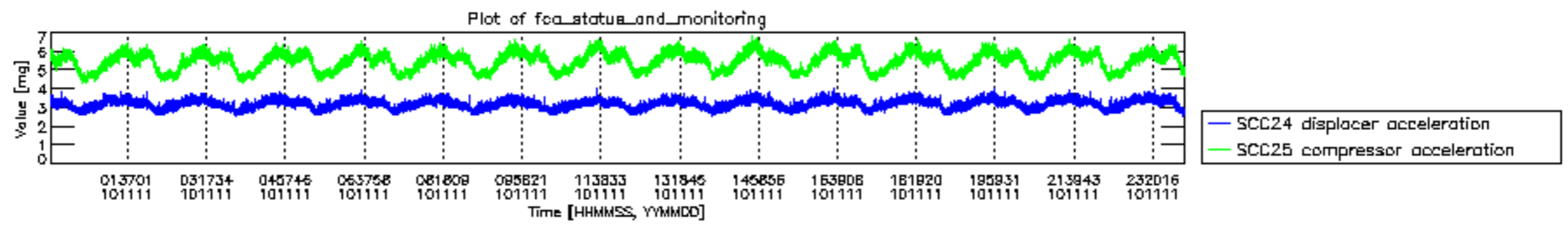












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

