

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	15NOV2010 05:32:30
Data source version	KSPT_L0/4504-N
Processing scope for products	10NOV2010 00:00:00 to 11NOV2010 00:00:00
Start time of first product within scope	10NOV2010 01:27:25
Stop time of last product within scope	11NOV2010 00:54:43
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__0PNPDE20101110_012725_000044183096_00189_45462_1821.N1	10NOV2010 01:27:25	10NOV2010 02:41:03	0	0	0	0	0
1	MIP_NL__0PNPDE20101110_024030_000061733096_00190_45463_1822.N1	10NOV2010 02:40:30	10NOV2010 04:23:23	0	0	0	0	0
2	MIP_NL__0PNPDE20101110_042250_000060313096_00191_45464_1823.N1	10NOV2010 04:22:50	10NOV2010 06:03:21	0	0	0	0	0
3	MIP_NL__0PNPDK20101110_060247_000041513096_00192_45465_3233.N1	10NOV2010 06:02:47	10NOV2010 07:11:58	0	0	0	0	0
4	MIP_NL__0PNPDK20101110_071029_000060273096_00193_45466_3234.N1	10NOV2010 07:10:29	10NOV2010 08:50:56	0	0	0	0	0
5	MIP_NL__0PNPDK20101110_084949_000059753096_00194_45467_3235.N1	10NOV2010 08:49:49	10NOV2010 10:29:24	0	0	0	0	0
6	MIP_NL__0PNPDK20101110_120934_000060393096_00196_45469_3237.N1	10NOV2010 12:09:34	10NOV2010 13:50:13	0	0	0	0	0
7	MIP_NL__0PNPDK20101110_134913_000059023096_00197_45470_3238.N1	10NOV2010 13:49:13	10NOV2010 15:27:34	0	0	0	0	0
8	MIP_NL__0PNPDK20101110_152636_000058973096_00198_45471_3239.N1	10NOV2010 15:26:36	10NOV2010 17:04:53	0	0	0	0	0
9	MIP_NL__0PNPDK20101110_170420_000058433096_00199_45472_3240.N1	10NOV2010 17:04:20	10NOV2010 18:41:43	0	0	0	0	0
10	MIP_NL__0PNPDK20101110_184015_000061403096_00200_45473_3241.N1	10NOV2010 18:40:15	10NOV2010 20:22:35	0	0	0	0	0
11	MIP_NL__0PNPDE20101110_202132_000042783096_00201_45474_1824.N1	10NOV2010 20:21:32	10NOV2010 21:32:51	0	0	0	0	0
12	MIP_NL__0PNPDE20101110_213142_000060983096_00201_45474_1825.N1	10NOV2010 21:31:42	10NOV2010 23:13:20	0	0	0	0	0
13	MIP_NL__0PNPDE20101110_231211_000061523096_00202_45475_1826.N1	10NOV2010 23:12:11	11NOV2010 00:54:43	0	0	0	0	0
14	MIP_NL__0PNPDE20101110_233237_000049263096_00203_45476_1834.N1	10NOV2010 23:32:37	11NOV2010 00:54:43	0	0	0	0	0

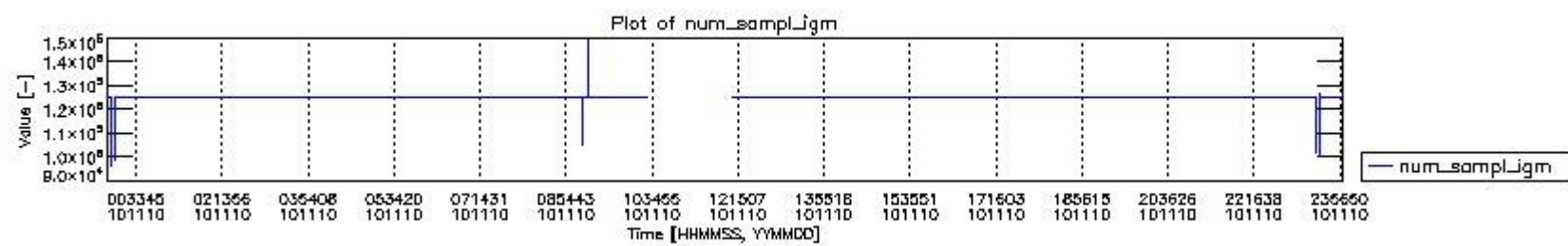
0.2 Instrument Operational Performance Parameters

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.

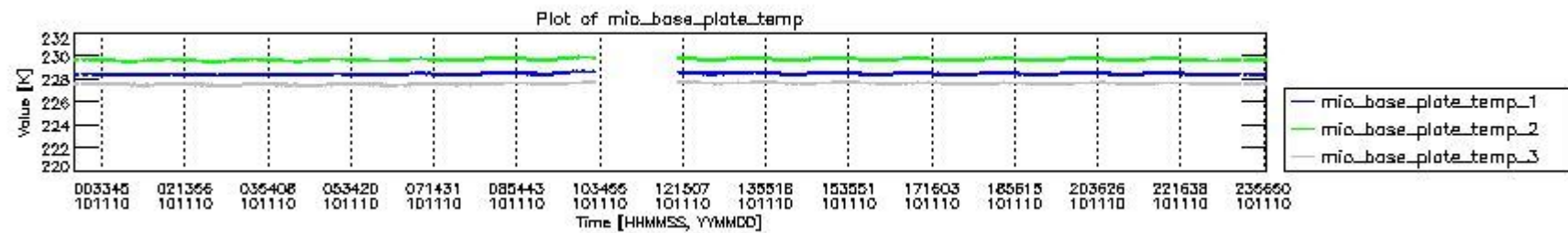
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
96274	1	0.0025984825
98699	1	0.0025984825
100471	1	0.0025984825

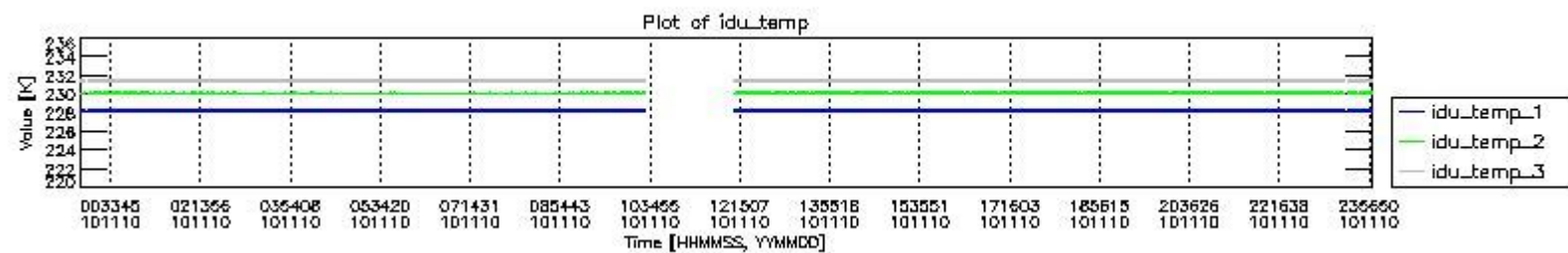
100706	1	0.0025984825
101922	1	0.0025984825
103295	1	0.0025984825
104931	1	0.0025984825
105194	1	0.0025984825
120603	1	0.0025984825
123102	1	0.0025984825
123430	1	0.0025984825
123951	1	0.0025984825
124800	35897	93.277726
124803	2569	6.6755015
125063	1	0.0025984825
125958	1	0.0025984825
126936	1	0.0025984825
127116	1	0.0025984825
147068	1	0.0025984825
149204	1	0.0025984825



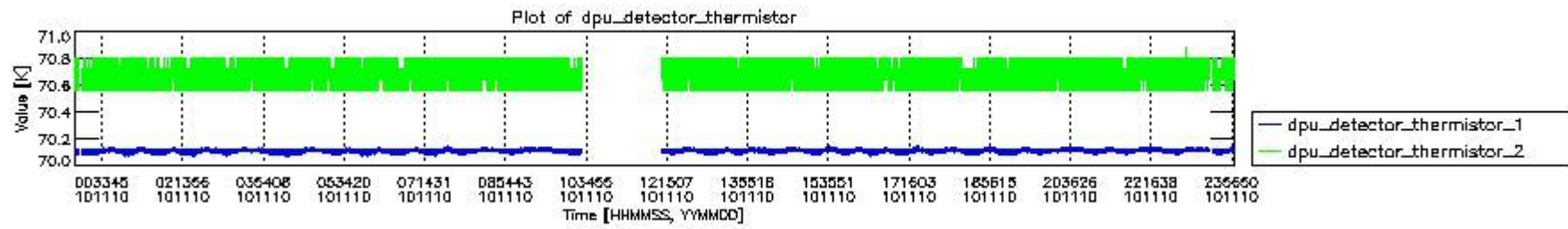
mipas_daily_report_level0_KSPT_L0_4504_N_20101110_0.PNG



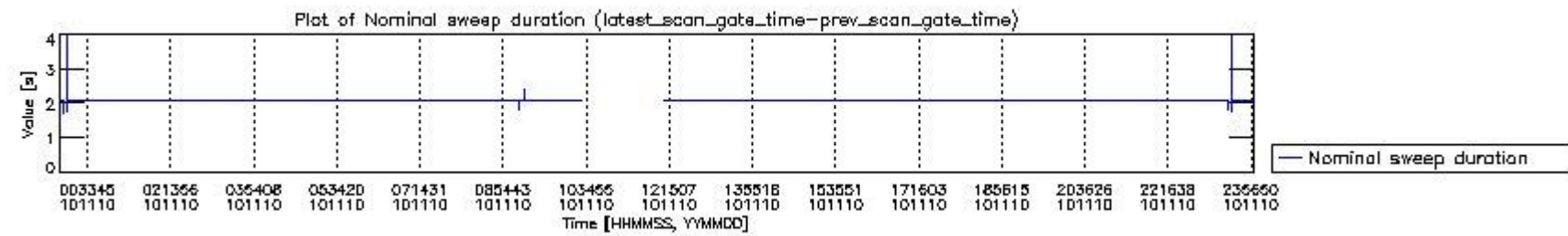
mipas_daily_report_level0_KSPT_L0_4504_N_20101110_1.PNG



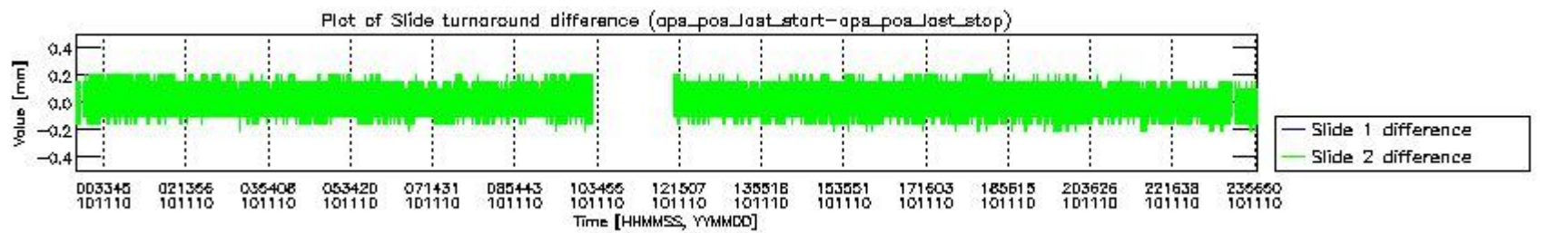
mipas_daily_report_level0_KSPT_L0_4504_N_20101110_2.PNG



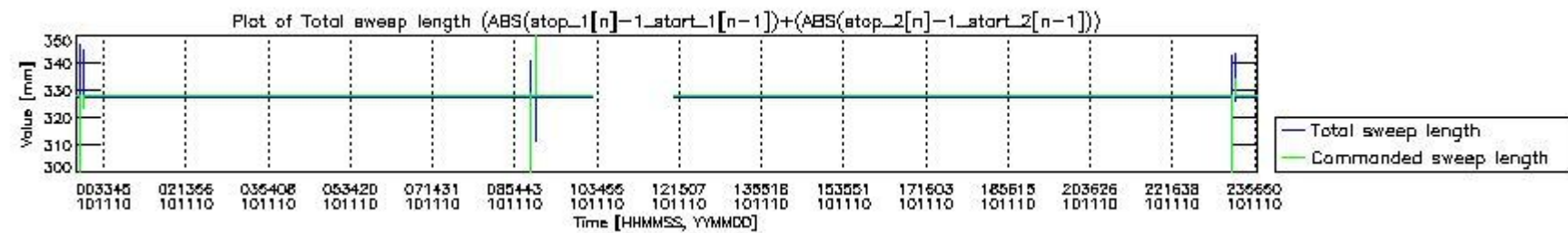
mipas_daily_report_level0_KSPT_L0_4504_N_20101110_3.PNG



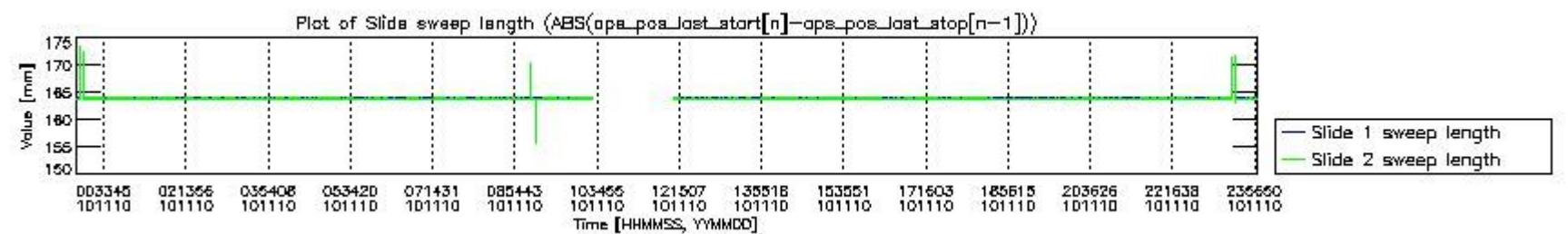
mipas_daily_report_level0_KSPT_L0_4504_N_20101110_4.PNG



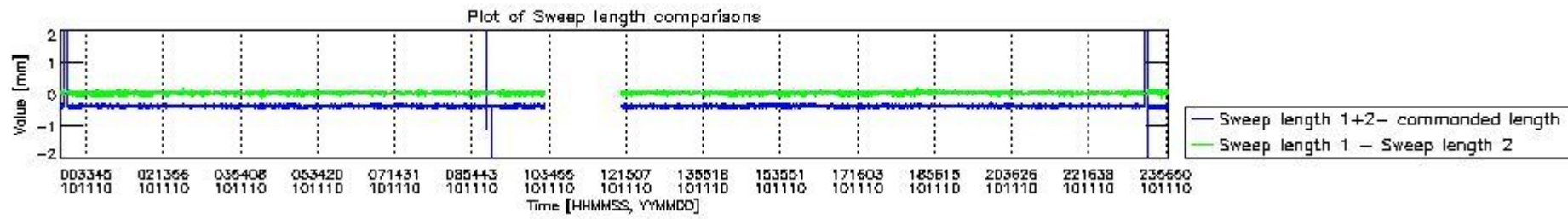
mipas_daily_report_level0_KSPT_L0_4504_N_20101110_5.PNG



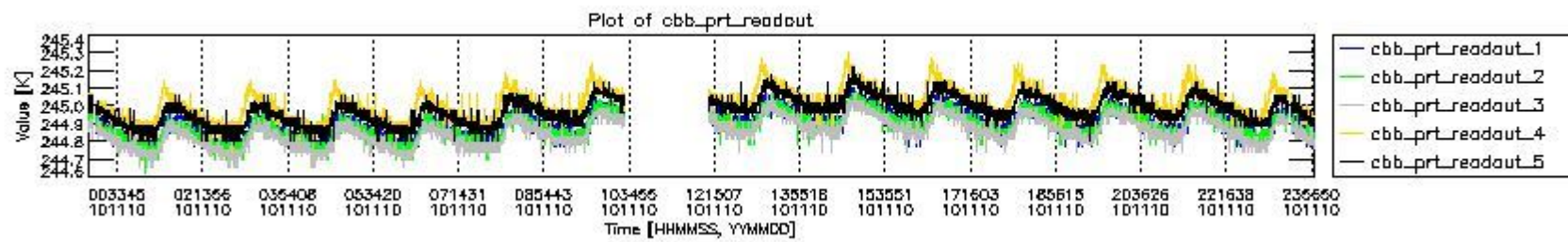
mipas_daily_report_level0_KSPT_L0_4504_N_20101110_6.PNG



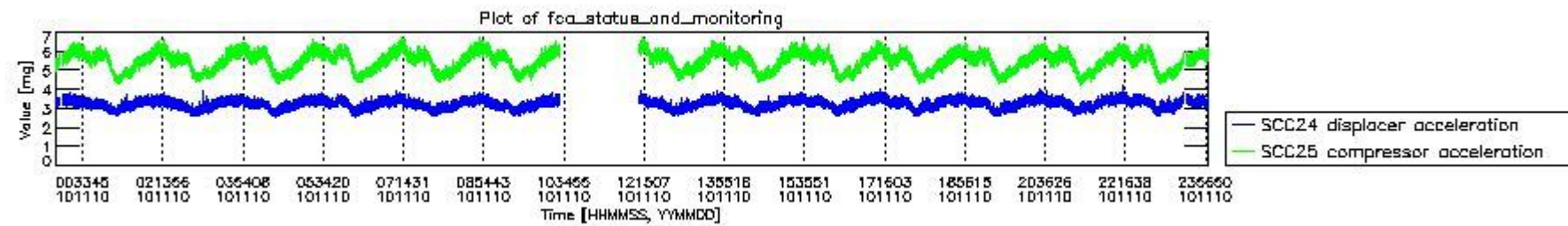
mipas_daily_report_level0_KSPT_L0_4504_N_20101110_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101110_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101110_9.PNG

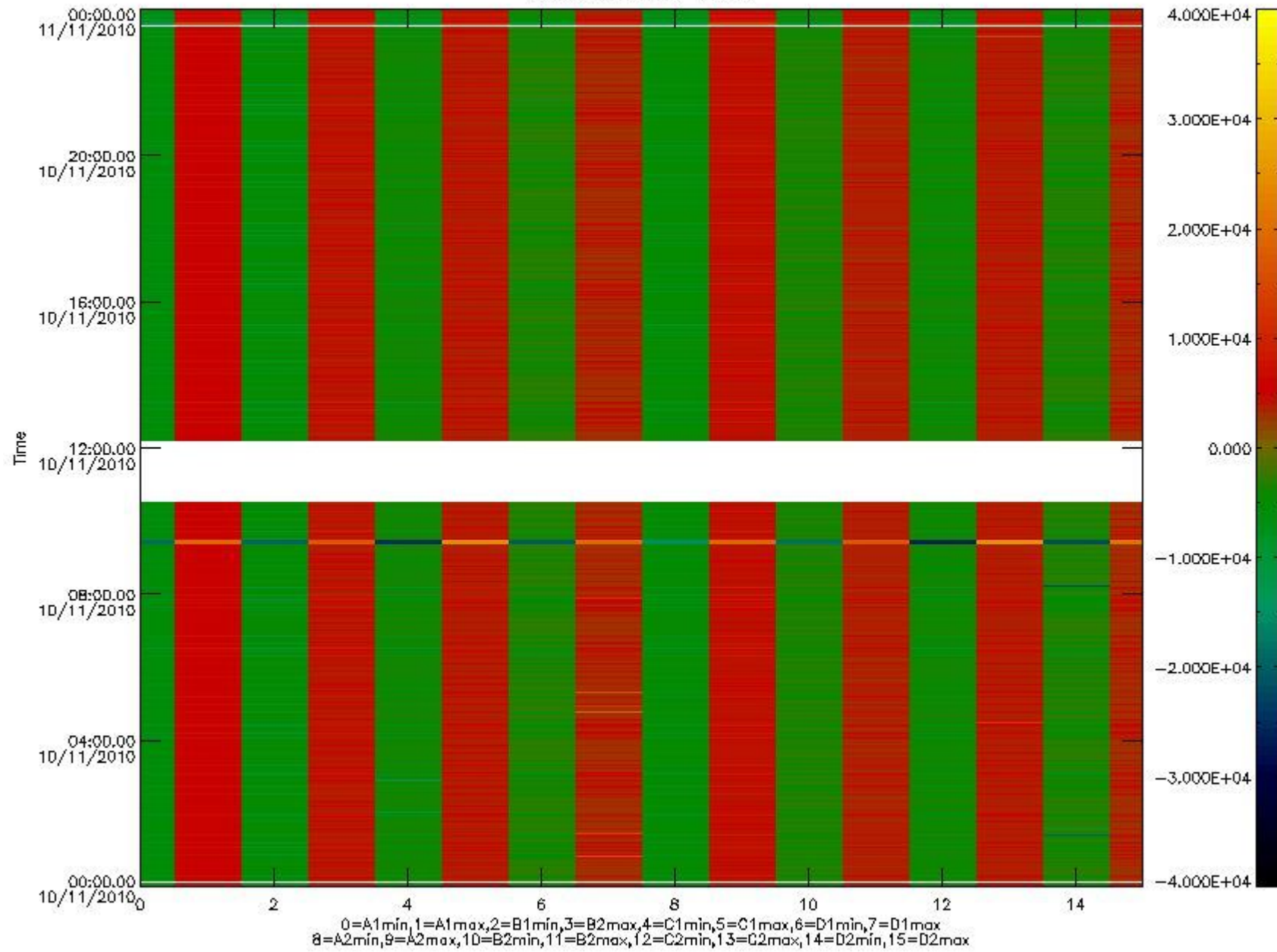


mipas_daily_report_level0_KSPT_L0_4504_N_20101110_10.PNG

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

Channel	Min	Max	ADC
A1	-18695	19923	16bit
B1	-20734	17814	16bit
C1	-25302	25219	16bit
D1	-21222	32767	16bit
A2	-16114	20014	16bit
B2	-18900	18461	16bit
C2	-26330	25934	16bit
D2	-32768	23075	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101110_11.PNG

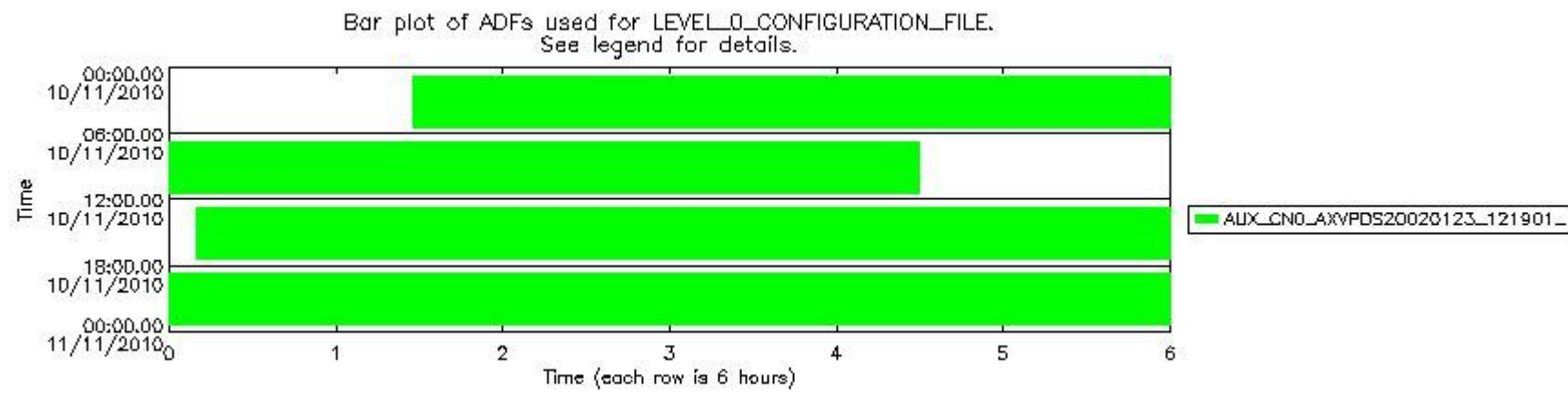
0.3 ADF monitoring

The use of ADFs is shown in two ways:

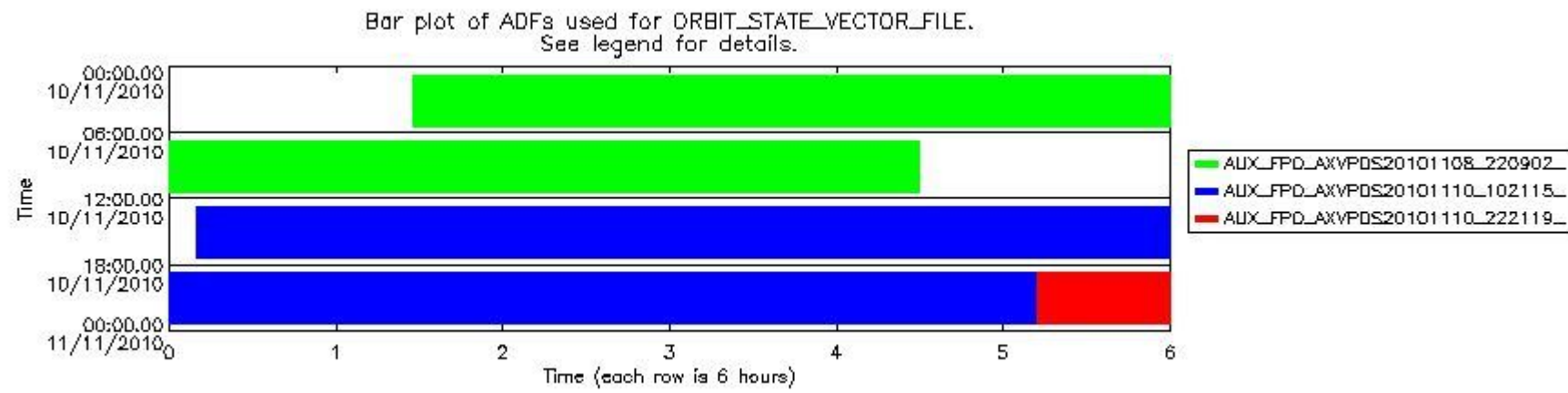
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101108_220902_20101108_193740_20101118_201121
2	AUX_FPO_AXVPDS20101110_102115_20101109_190057_20101119_211452
3	AUX_FPO_AXVPDS20101110_222119_20101110_182413_20101120_203808

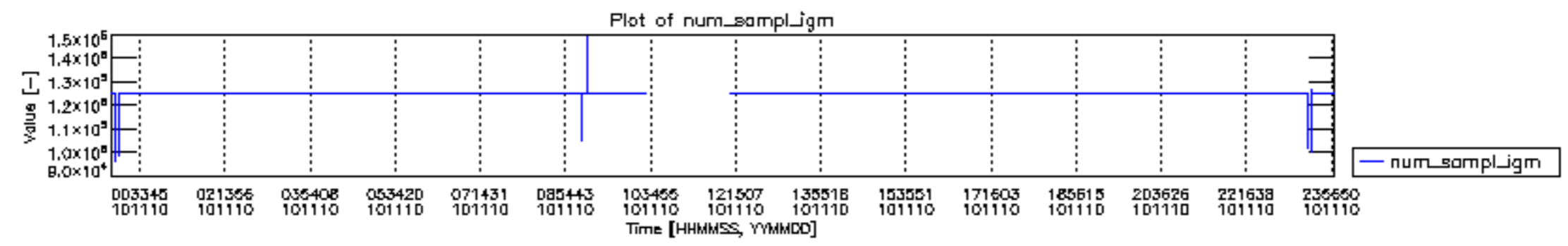
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20101110_012725_000044183096_00189_45462_1821.N1	0	1
1	MIP_NL__0PNPDE20101110_024030_000061733096_00190_45463_1822.N1	0	1
2	MIP_NL__0PNPDE20101110_042250_000060313096_00191_45464_1823.N1	0	1
3	MIP_NL__0PNPDK20101110_060247_000041513096_00192_45465_3233.N1	0	1
4	MIP_NL__0PNPDK20101110_071029_000060273096_00193_45466_3234.N1	0	1
5	MIP_NL__0PNPDK20101110_084949_000059753096_00194_45467_3235.N1	0	1
6	MIP_NL__0PNPDK20101110_120934_000060393096_00196_45469_3237.N1	0	2
7	MIP_NL__0PNPDK20101110_134913_000059023096_00197_45470_3238.N1	0	2
8	MIP_NL__0PNPDK20101110_152636_000058973096_00198_45471_3239.N1	0	2
9	MIP_NL__0PNPDK20101110_170420_000058433096_00199_45472_3240.N1	0	2
10	MIP_NL__0PNPDK20101110_184015_000061403096_00200_45473_3241.N1	0	2
11	MIP_NL__0PNPDE20101110_202132_000042783096_00201_45474_1824.N1	0	2
12	MIP_NL__0PNPDE20101110_213142_000060983096_00201_45474_1825.N1	0	2
13	MIP_NL__0PNPDE20101110_231211_000061523096_00202_45475_1826.N1	0	3
14	MIP_NL__0PNPDE20101110_233237_000049263096_00203_45476_1834.N1	0	3

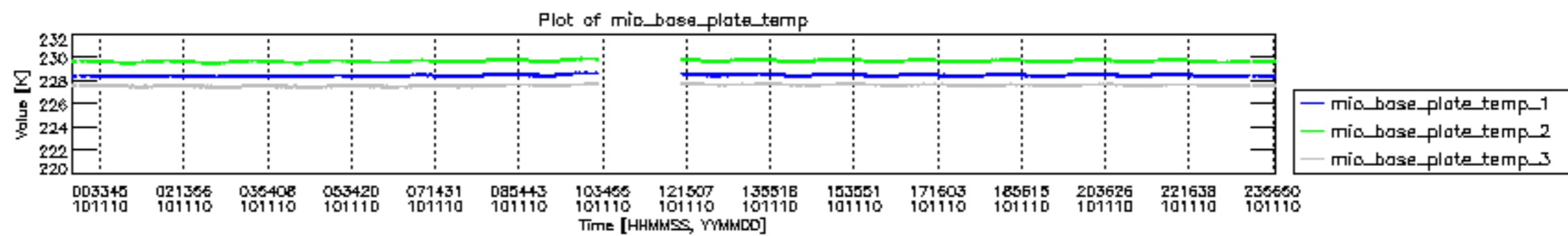


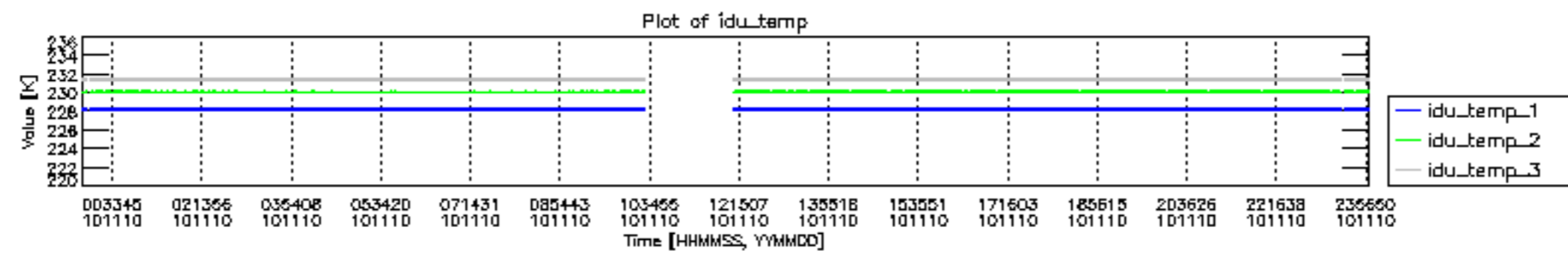
mipas_daily_report_level0_KSPT_L0_4504_N_20101110_12.PNG

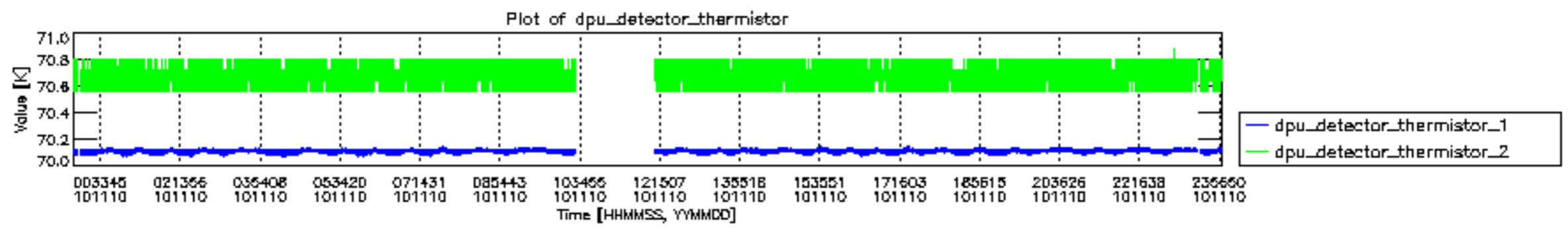


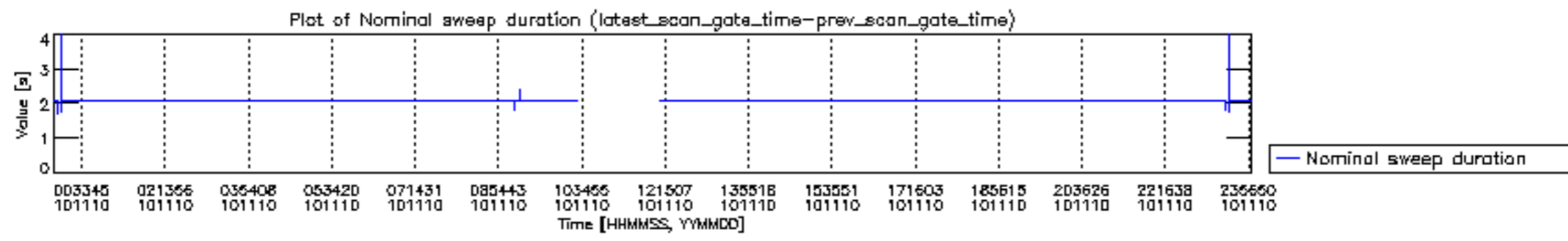
mipas_daily_report_level0_KSPT_L0_4504_N_20101110_13.PNG

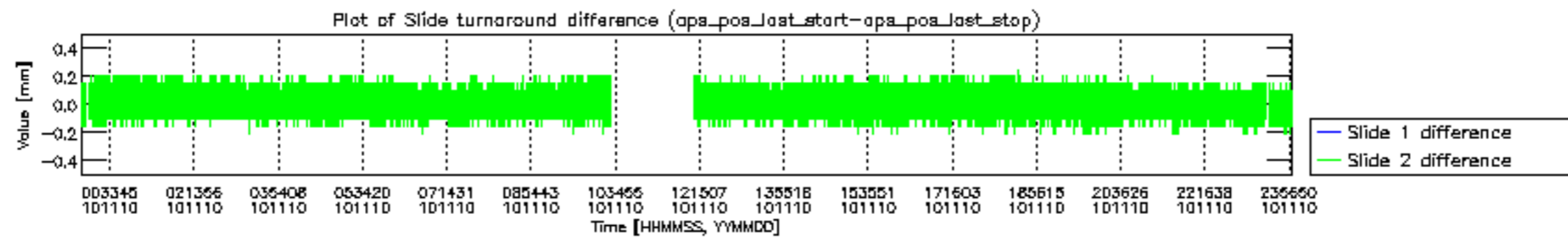


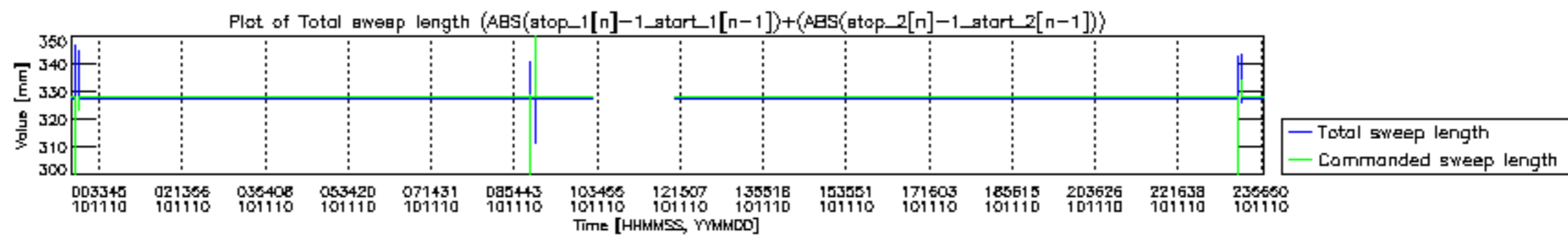


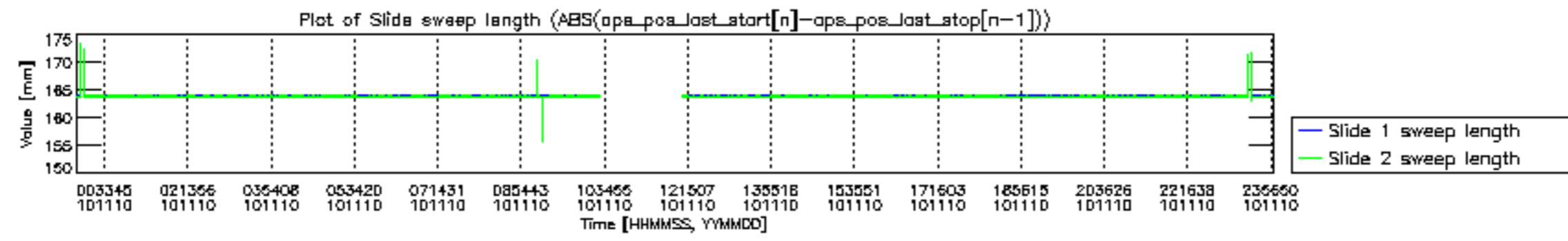


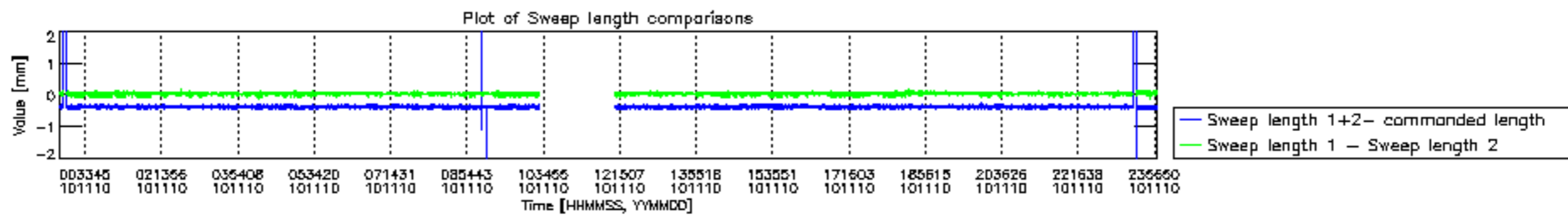


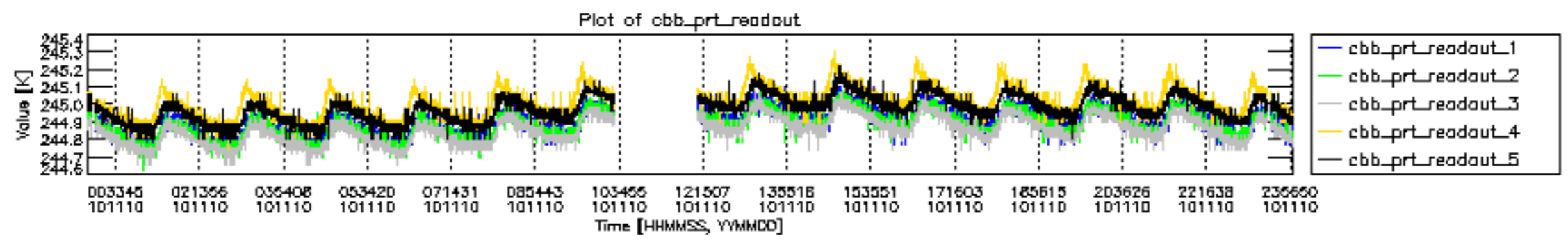


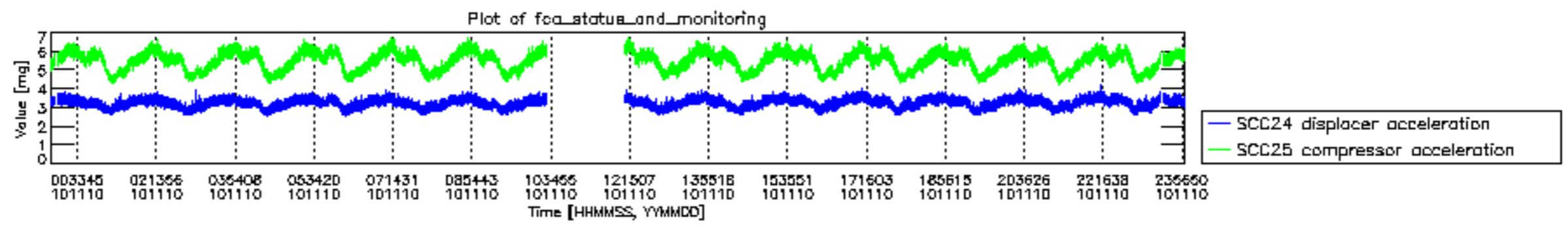












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

