

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	27OCT2011 17:13:55
Data source version	KSPT_L0/4504-N
Processing scope for products	22OCT2011 00:00:00 to 23OCT2011 00:00:00
Start time of first product within scope	22OCT2011 00:09:30
Stop time of last product within scope	23OCT2011 01:13:11
Total number of level 0 products	17
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__0PNPDE20111022_000930_000008983107_00418_50432_4678.N1	22OCT2011 00:09:30	22OCT2011 00:24:28	0	0	0	0	0
1	MIP_NL__0PNPDE20111022_002850_000047173107_00419_50433_4679.N1	22OCT2011 00:28:50	22OCT2011 01:47:27	0	0	0	0	0
2	MIP_NL__0PNPDE20111022_014621_000045083107_00419_50433_9842.N1	22OCT2011 01:46:21	22OCT2011 03:01:29	0	0	0	0	0
3	MIP_NL__0PNPDE20111022_030055_000061333107_00420_50434_9843.N1	22OCT2011 03:00:55	22OCT2011 04:43:09	0	0	0	0	0
4	MIP_NL__0PNPDE20111022_044235_000060063107_00421_50435_9844.N1	22OCT2011 04:42:35	22OCT2011 06:22:41	0	0	0	0	0
5	MIP_NL__0PNPDK20111022_062208_000040743107_00422_50436_7313.N1	22OCT2011 06:22:08	22OCT2011 07:30:01	0	0	0	0	0
6	MIP_NL__0PNPDK20111022_072903_000062363107_00423_50437_7314.N1	22OCT2011 07:29:03	22OCT2011 09:12:58	0	0	0	0	0
7	MIP_NL__0PNPDK20111022_091221_000058503107_00424_50438_7315.N1	22OCT2011 09:12:21	22OCT2011 10:49:51	0	0	0	0	0
8	MIP_NL__0PNPDK20111022_104815_000061583107_00425_50439_7316.N1	22OCT2011 10:48:15	22OCT2011 12:30:53	0	0	0	0	0
9	MIP_NL__0PNPDK20111022_122917_000058223107_00426_50440_7317.N1	22OCT2011 12:29:17	22OCT2011 14:06:19	0	0	0	0	0
10	MIP_NL__0PNPDK20111022_140441_000059893107_00427_50441_7318.N1	22OCT2011 14:04:41	22OCT2011 15:44:30	0	0	0	0	0
11	MIP_NL__0PNPDK20111022_154319_000060213107_00428_50442_7319.N1	22OCT2011 15:43:19	22OCT2011 17:23:40	0	0	0	0	0
12	MIP_NL__0PNPDK20111022_172246_000058913107_00429_50443_7320.N1	22OCT2011 17:22:46	22OCT2011 19:00:57	0	0	0	0	0
13	MIP_NL__0PNPDK20111022_185956_000059663107_00430_50444_7321.N1	22OCT2011 18:59:56	22OCT2011 20:39:22	0	0	0	0	0
14	MIP_NL__0PNPDE20111022_203744_000045003107_00431_50445_9845.N1	22OCT2011 20:37:44	22OCT2011 21:52:44	0	0	0	0	0
15	MIP_NL__0PNPDE20111022_215137_000060773107_00431_50445_9846.N1	22OCT2011 21:51:37	22OCT2011 23:32:54	0	0	0	0	0
16	MIP_NL__0PNPDE20111022_233147_000060833108_00001_50446_9847.N1	22OCT2011 23:31:47	23OCT2011 01:13:11	0	0	0	0	0

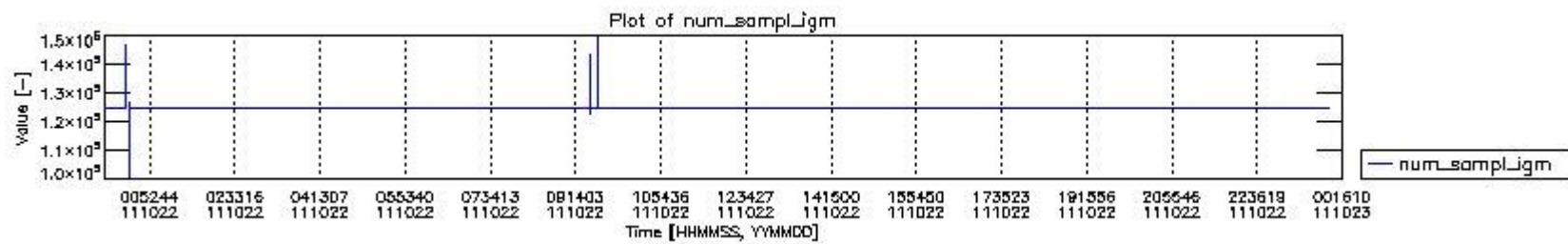
0.2 Instrument Operational Performance Parameters

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.

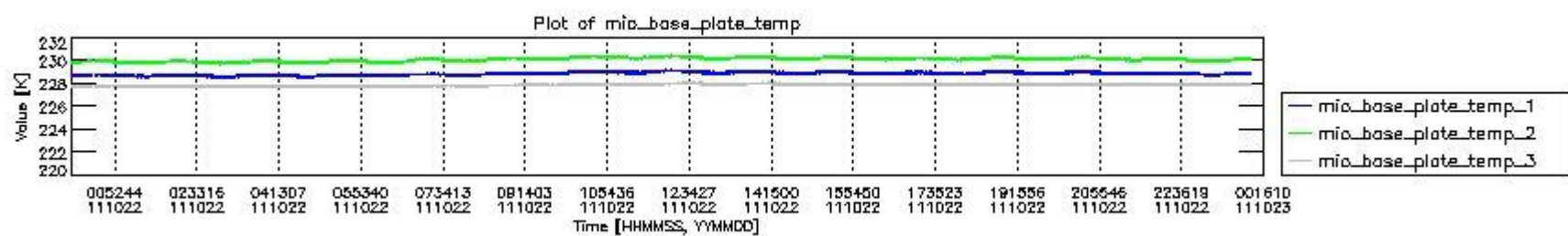
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100483	1	0.0024115562

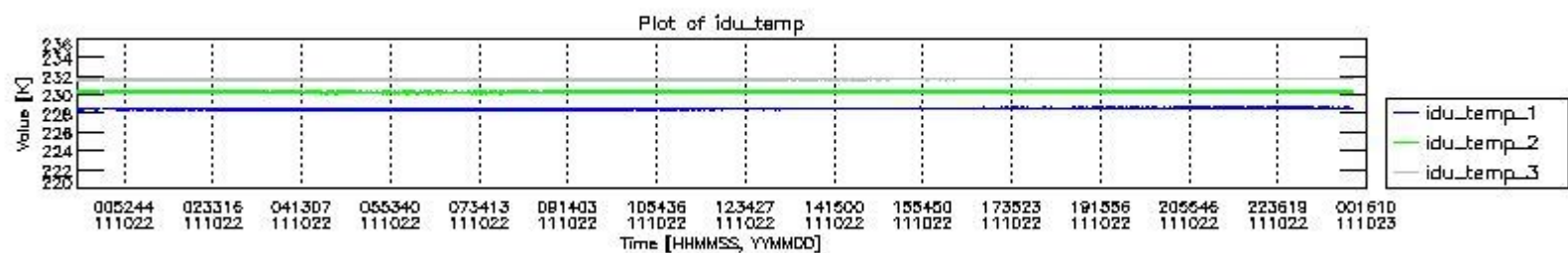
122921	1	0.0024115562
124800	38525	92.905202
124803	2930	7.0658596
125523	1	0.0024115562
125735	1	0.0024115562
126670	1	0.0024115562
127159	1	0.0024115562
141174	1	0.0024115562
143053	1	0.0024115562
145655	1	0.0024115562
146378	1	0.0024115562
147291	1	0.0024115562
149650	1	0.0024115562



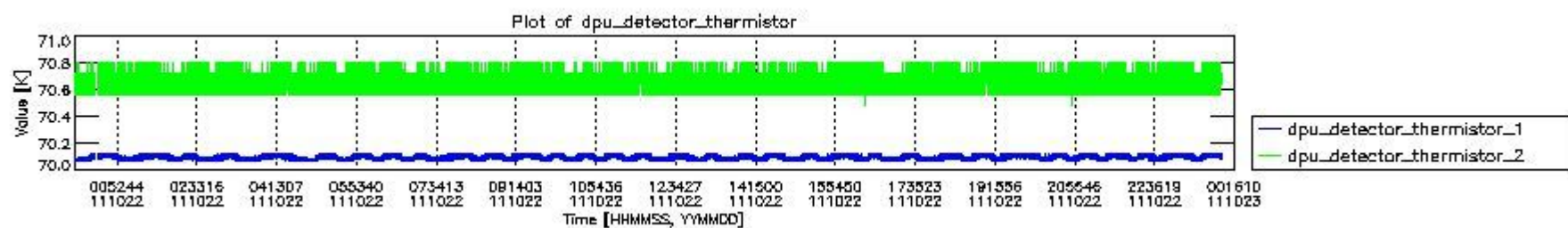
mipas_daily_report_level0_KSPT_L0_4504_N_20111022_0.PNG



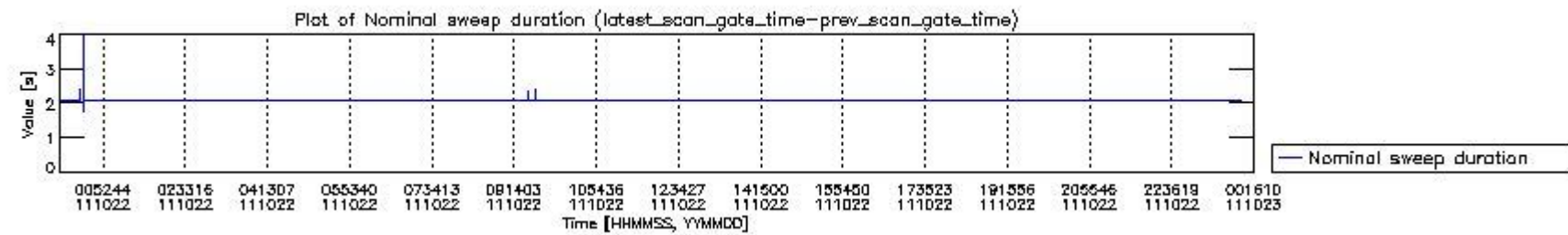
mipas_daily_report_level0_KSPT_L0_4504_N_20111022_1.PNG



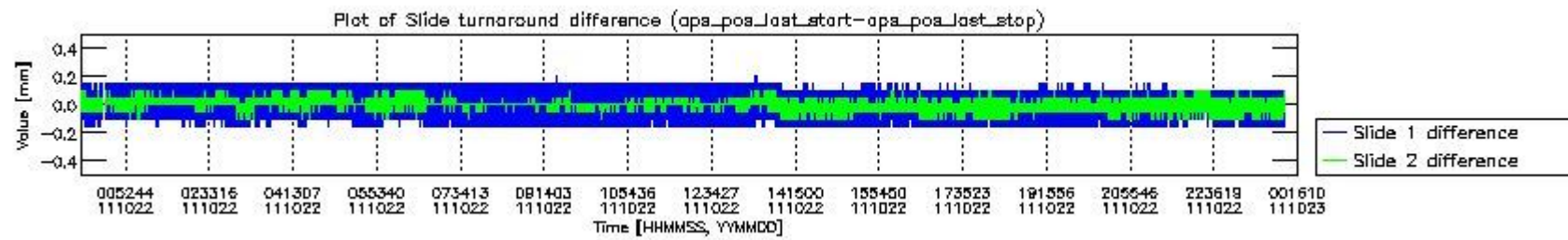
mipas_daily_report_level0_KSPT_L0_4504_N_20111022_2.PNG



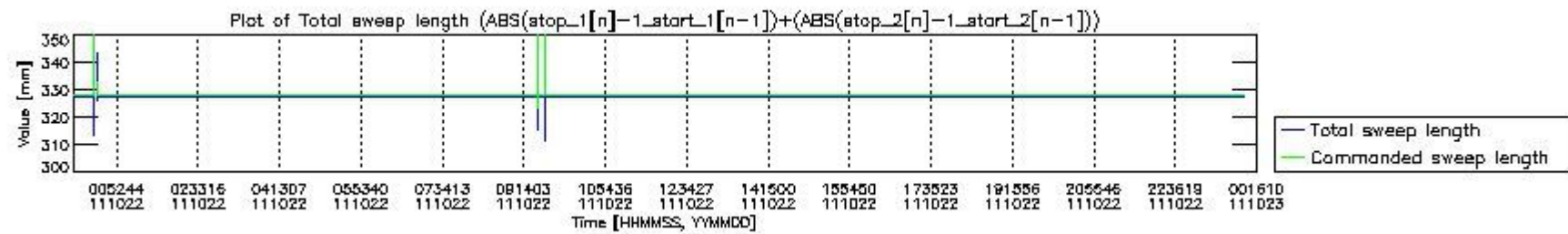
mipas_daily_report_level0_KSPT_L0_4504_N_20111022_3.PNG



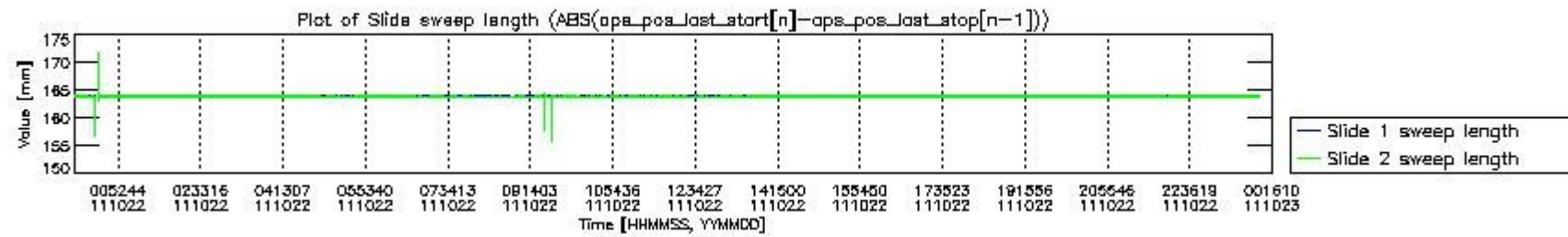
mipas_daily_report_level0_KSPT_L0_4504_N_20111022_4.PNG



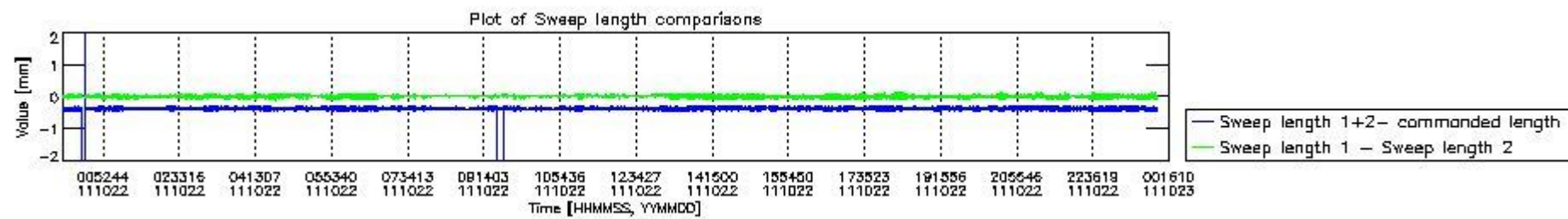
mipas_daily_report_level0_KSPT_L0_4504_N_20111022_5.PNG



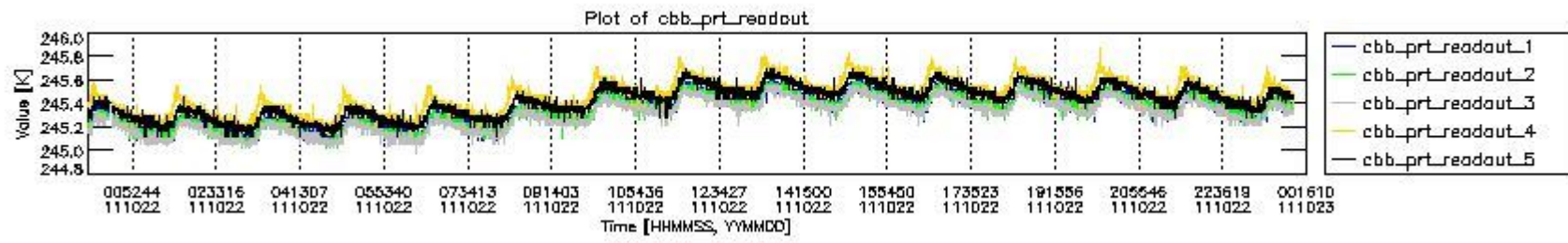
mipas_daily_report_level0_KSPT_L0_4504_N_20111022_6.PNG



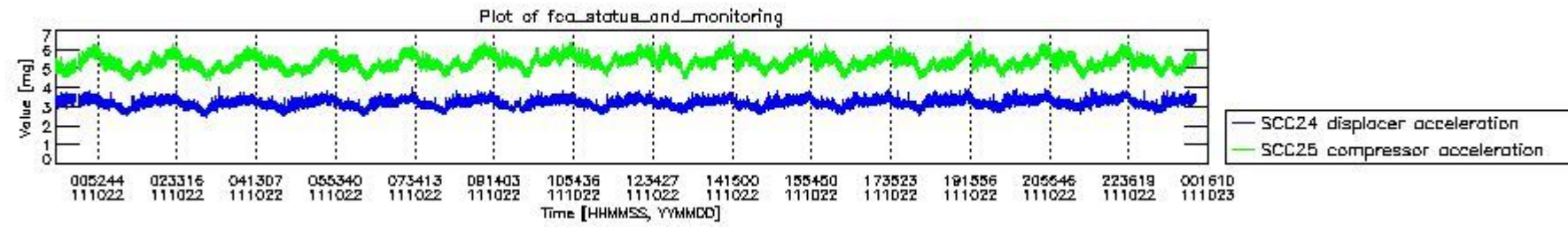
mipas_daily_report_level0_KSPT_L0_4504_N_20111022_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111022_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111022_9.PNG

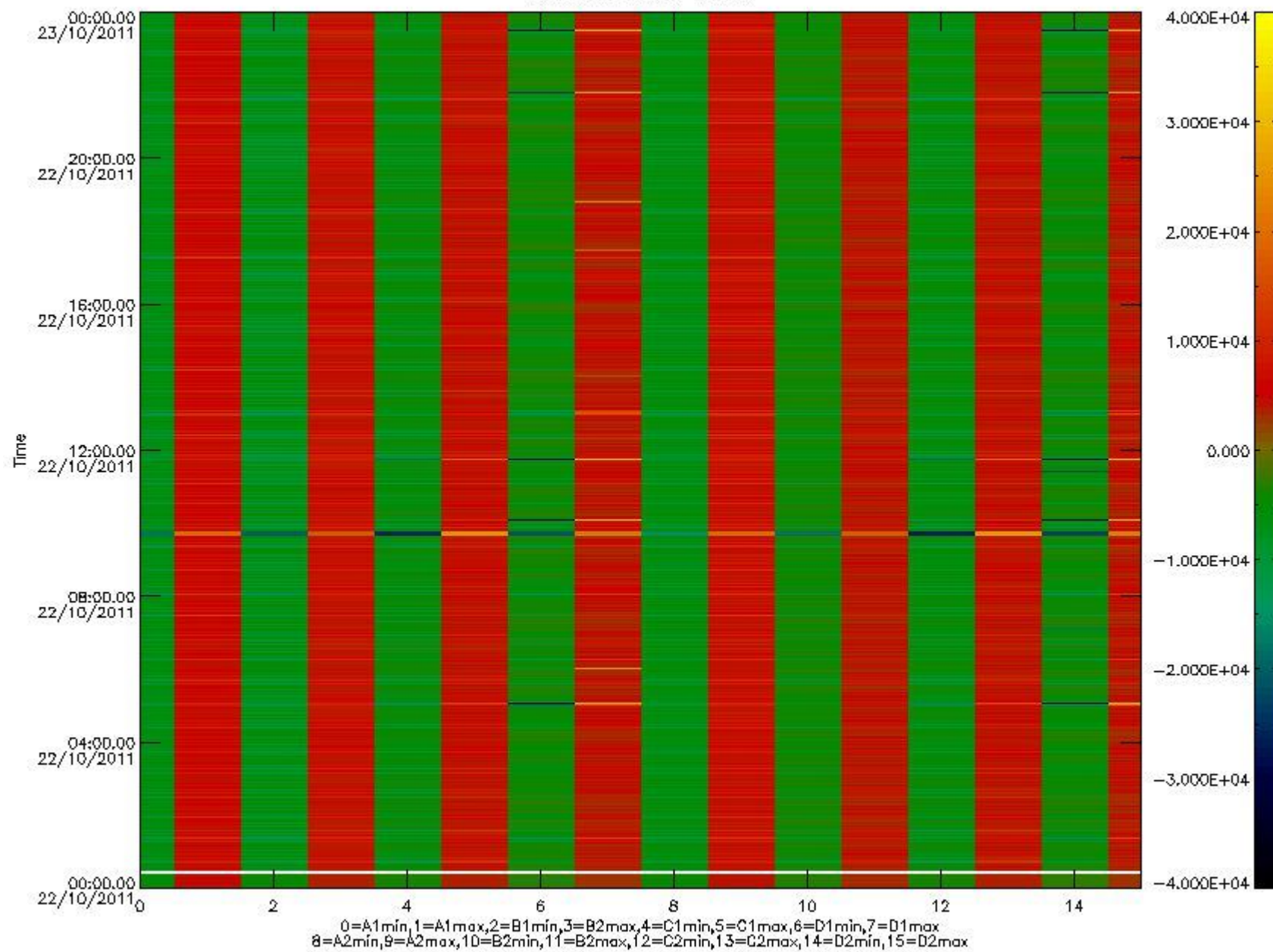


mipas_daily_report_level0_KSPT_L0_4504_N_20111022_10.PNG

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

Channel	Min	Max	ADC
A1	-18529	19675	16bit
B1	-20687	17777	16bit
C1	-25613	25460	16bit
D1	-32768	32767	16bit
A2	-15990	19767	16bit
B2	-18698	18322	16bit
C2	-26667	26197	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_20111022_11.PNG

0.3 ADF monitoring

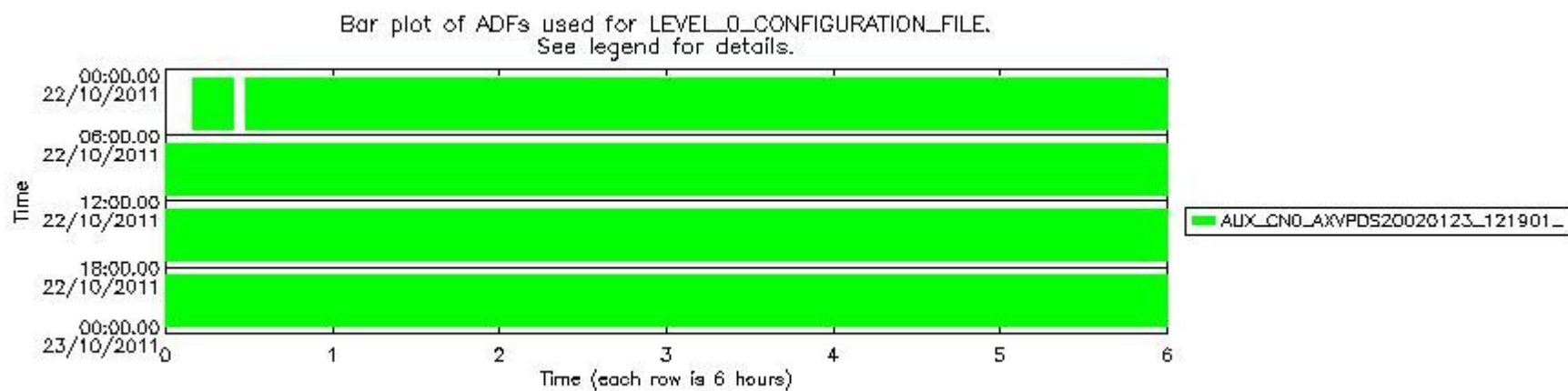
The use of ADFs is shown in two ways:

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.

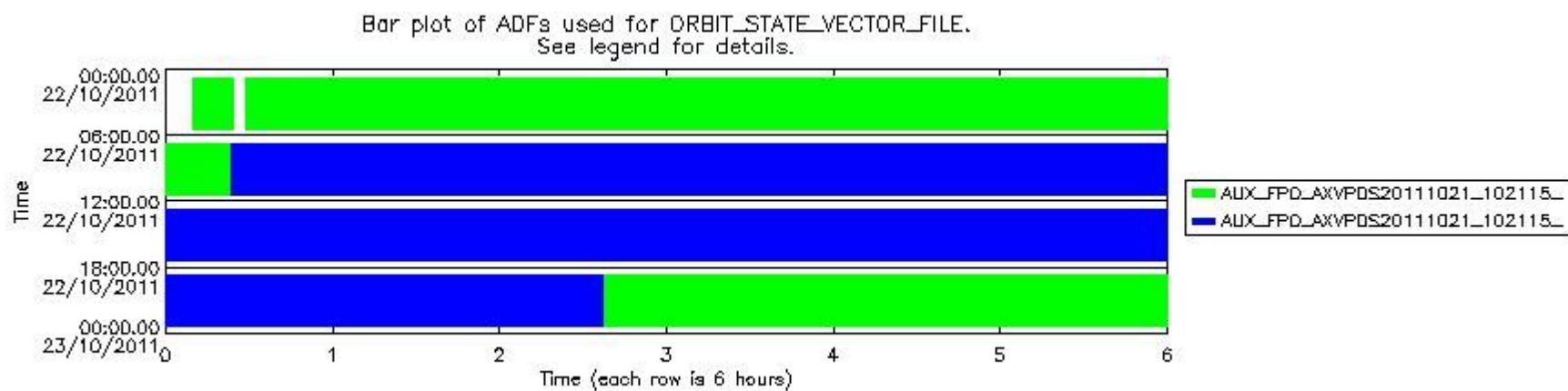
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111021_102115_20111019_185333_20111029_210716
2	AUX_FPO_AXVPDS20111021_102115_20111020_195703_20111030_203031

Number	Product name	#CN0	#FPO
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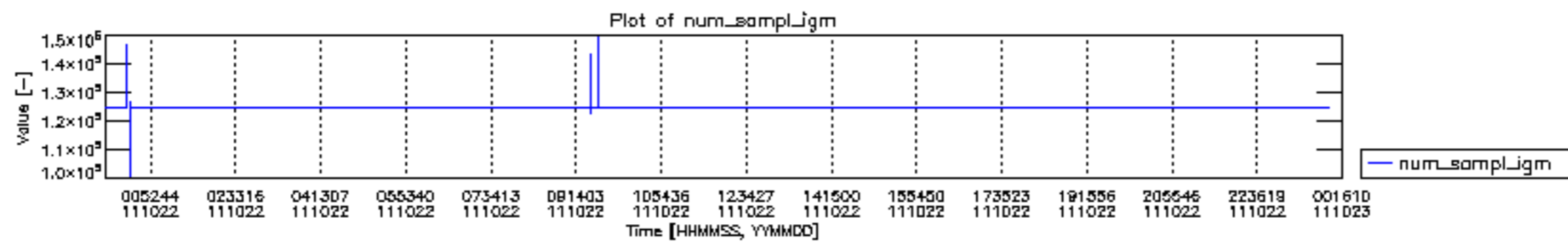
0	MIP_NL__0PNPDE20111022_000930_00008983107_00418_50432_4678.N1	0	1
1	MIP_NL__0PNPDE20111022_002850_000047173107_00419_50433_4679.N1	0	1
2	MIP_NL__0PNPDE20111022_014621_000045083107_00419_50433_9842.N1	0	1
3	MIP_NL__0PNPDE20111022_030055_000061333107_00420_50434_9843.N1	0	1
4	MIP_NL__0PNPDE20111022_044235_000060063107_00421_50435_9844.N1	0	1
5	MIP_NL__0PNPDK20111022_062208_000040743107_00422_50436_7313.N1	0	2
6	MIP_NL__0PNPDK20111022_072903_000062363107_00423_50437_7314.N1	0	2
7	MIP_NL__0PNPDK20111022_091221_000058503107_00424_50438_7315.N1	0	2
8	MIP_NL__0PNPDK20111022_104815_000061583107_00425_50439_7316.N1	0	2
9	MIP_NL__0PNPDK20111022_122917_000058223107_00426_50440_7317.N1	0	2
10	MIP_NL__0PNPDK20111022_140441_000059893107_00427_50441_7318.N1	0	2
11	MIP_NL__0PNPDK20111022_154319_000060213107_00428_50442_7319.N1	0	2
12	MIP_NL__0PNPDK20111022_172246_000058913107_00429_50443_7320.N1	0	2
13	MIP_NL__0PNPDK20111022_185956_000059663107_00430_50444_7321.N1	0	2
14	MIP_NL__0PNPDE20111022_203744_000045003107_00431_50445_9845.N1	0	1
15	MIP_NL__0PNPDE20111022_215137_000060773107_00431_50445_9846.N1	0	1
16	MIP_NL__0PNPDE20111022_233147_000060833108_00001_50446_9847.N1	0	1

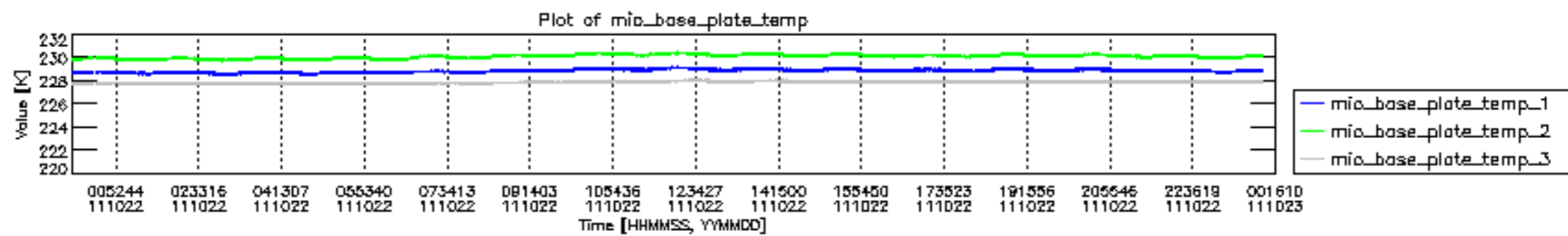


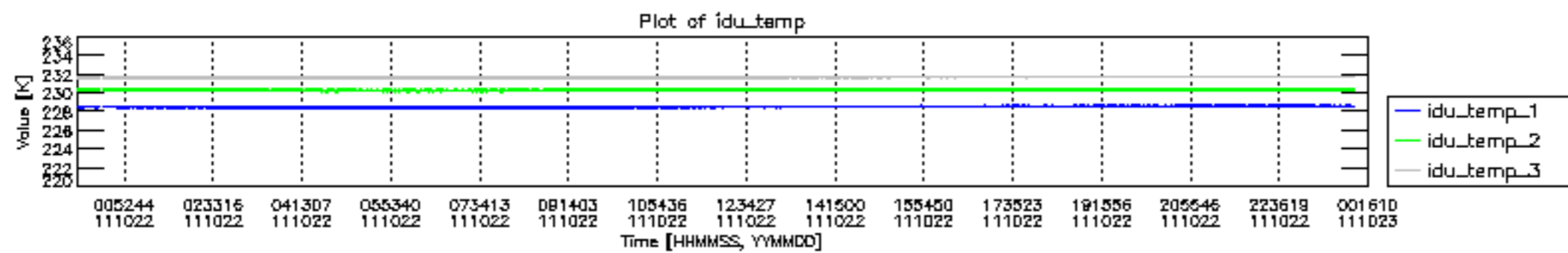
mipas_daily_report_level0_KSPT_L0_4504_N_20111022_12.PNG

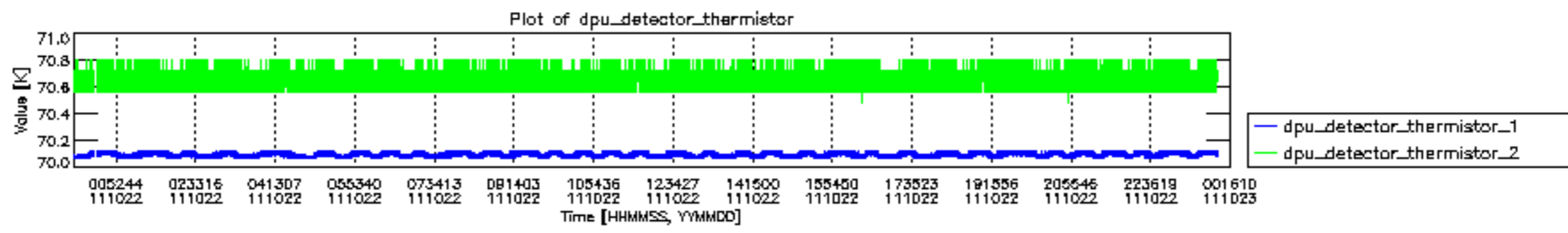


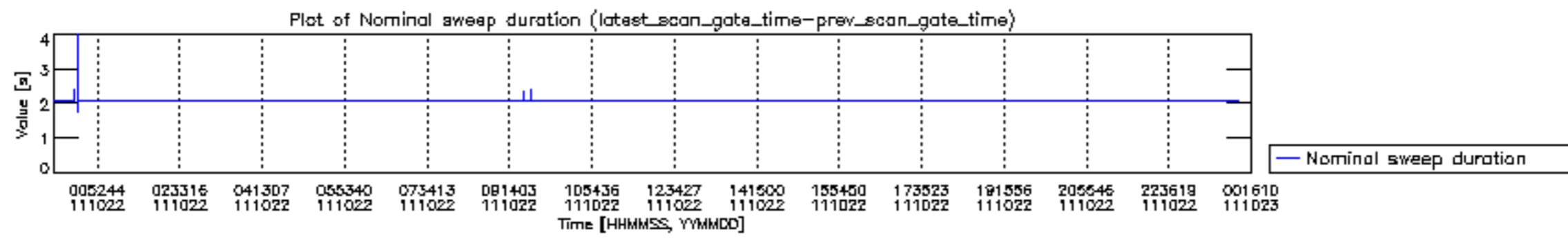
mipas_daily_report_level0_KSPT_L0_4504_N_20111022_13.PNG

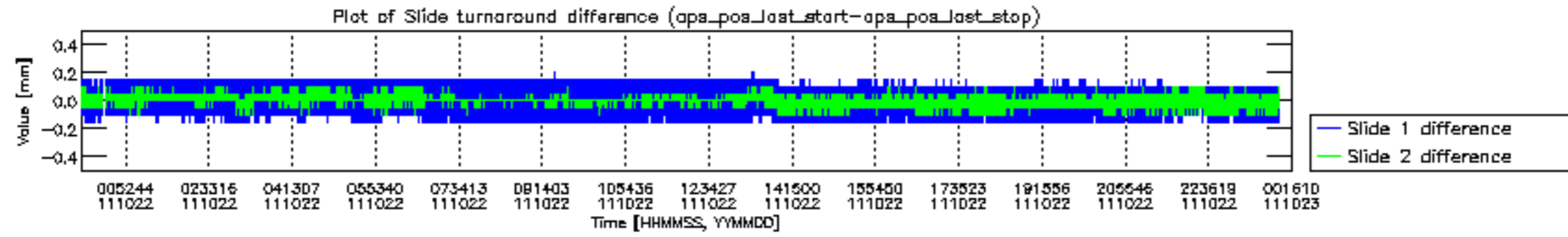


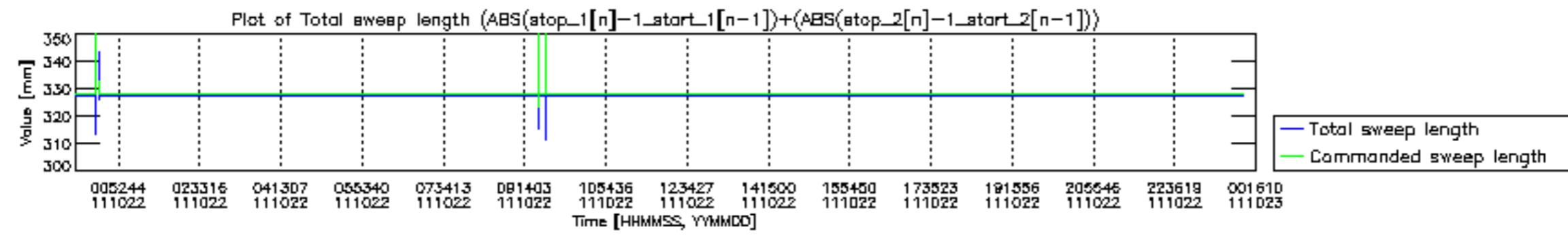


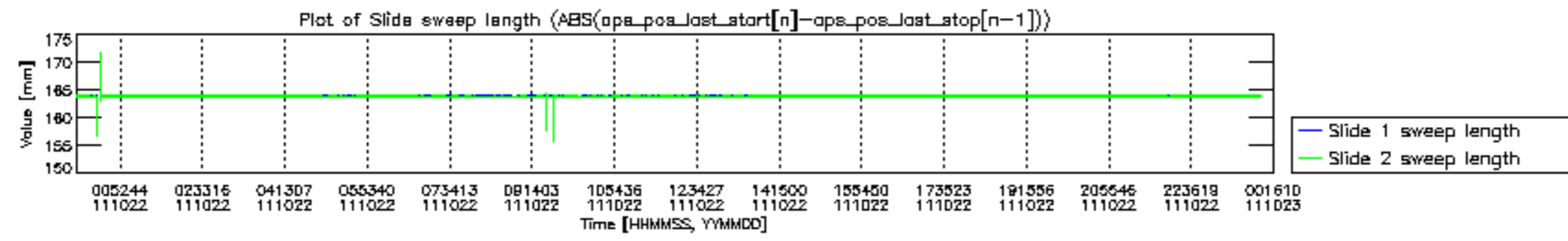


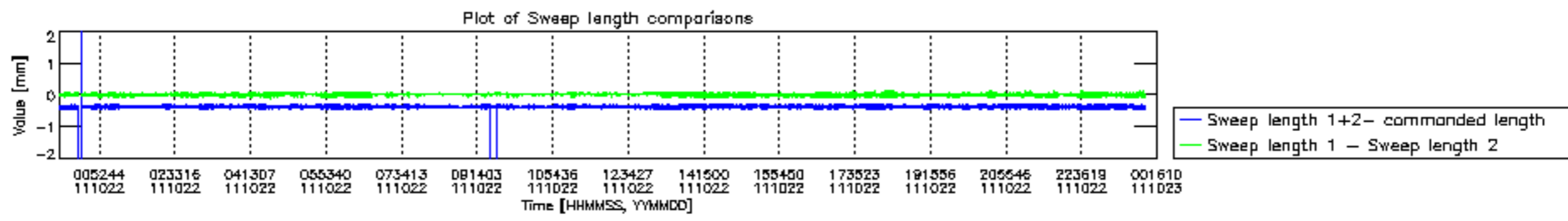


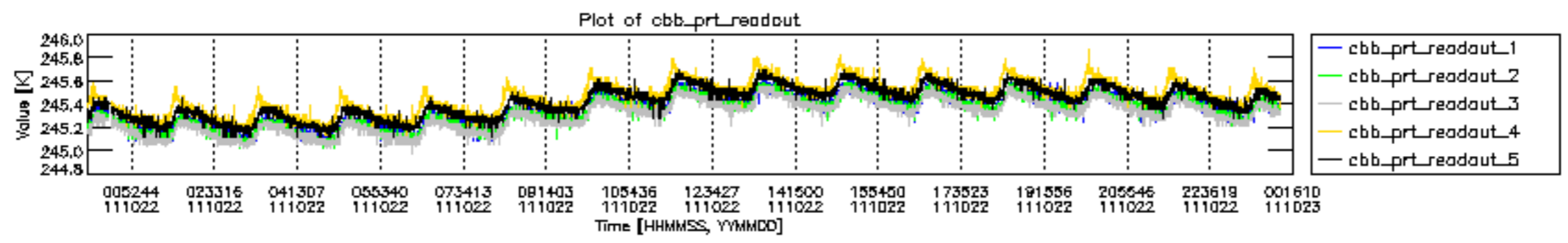


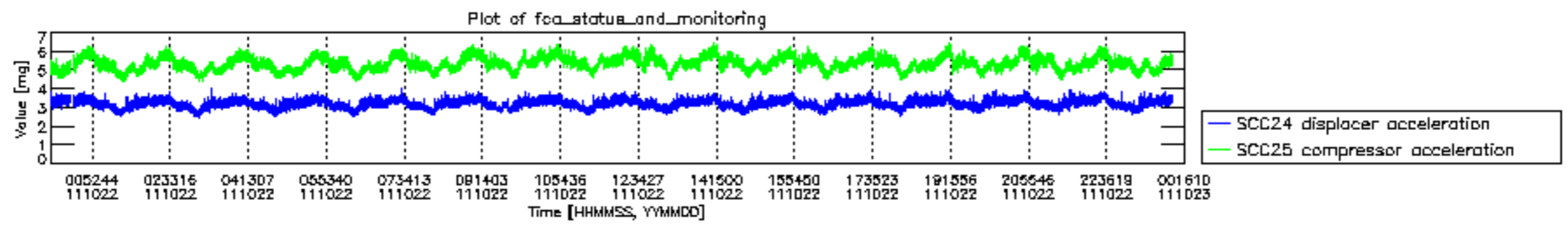












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

