

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	27JAN2011 05:23:59
Data source version	KSPT_L0/4504-N
Processing scope for products	22JAN2011 00:00:00 to 23JAN2011 00:00:00
Start time of first product within scope	22JAN2011 00:14:22
Stop time of last product within scope	23JAN2011 01:19:22
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__0PNPDE20110122_001422_000059393098_00375_46510_2764.N1	22JAN2011 00:14:22	22JAN2011 01:53:21	0	0	0	0	0
1	MIP_NL__0PNPDE20110122_015225_000044583098_00376_46511_2765.N1	22JAN2011 01:52:25	22JAN2011 03:06:43	0	0	0	0	0
2	MIP_NL__0PNPDE20110122_030610_000061753098_00377_46512_2766.N1	22JAN2011 03:06:10	22JAN2011 04:49:05	0	0	0	0	0
3	MIP_NL__0PNPDE20110122_044832_000060543098_00378_46513_2767.N1	22JAN2011 04:48:32	22JAN2011 06:29:26	0	0	0	0	0
4	MIP_NL__0PNPDK20110122_062853_000040653098_00379_46514_4084.N1	22JAN2011 06:28:53	22JAN2011 07:36:38	0	0	0	0	0
5	MIP_NL__0PNPDK20110122_073542_000061373098_00380_46515_4085.N1	22JAN2011 07:35:42	22JAN2011 09:17:59	0	0	0	0	0
6	MIP_NL__0PNPDK20110122_091621_000041723098_00381_46516_4086.N1	22JAN2011 09:16:21	22JAN2011 10:25:53	0	0	0	0	0
7	MIP_NL__0PNPDK20110122_102553_000019073098_00381_46516_4087.N1	22JAN2011 10:25:53	22JAN2011 10:57:40	0	0	0	0	0
8	MIP_NL__0PNPDK20110122_105617_000059943098_00382_46517_4088.N1	22JAN2011 10:56:17	22JAN2011 12:36:10	0	0	0	0	0
9	MIP_NL__0PNPDK20110122_123436_000059793098_00383_46518_4089.N1	22JAN2011 12:34:36	22JAN2011 14:14:15	0	0	0	0	0
10	MIP_NL__0PNPDK20110122_141315_000059193098_00384_46519_4090.N1	22JAN2011 14:13:15	22JAN2011 15:51:53	0	0	0	0	0
11	MIP_NL__0PNPDK20110122_155057_000058933098_00385_46520_4091.N1	22JAN2011 15:50:57	22JAN2011 17:29:10	0	0	0	0	0
12	MIP_NL__0PNPDK20110122_172808_000057953098_00386_46521_4092.N1	22JAN2011 17:28:08	22JAN2011 19:04:43	0	0	0	0	0
13	MIP_NL__0PNPDK20110122_190338_000060883098_00387_46522_4093.N1	22JAN2011 19:03:38	22JAN2011 20:45:06	0	0	0	0	0
14	MIP_NL__0PNPDE20110122_204328_000045153098_00388_46523_2768.N1	22JAN2011 20:43:28	22JAN2011 21:58:42	0	0	0	0	0
15	MIP_NL__0PNPDE20110122_215735_000060633098_00388_46523_2769.N1	22JAN2011 21:57:35	22JAN2011 23:38:38	0	0	0	0	0
16	MIP_NL__0PNPDE20110122_233729_000061133098_00389_46524_2770.N1	22JAN2011 23:37:29	23JAN2011 01:19:22	0	0	0	0	0

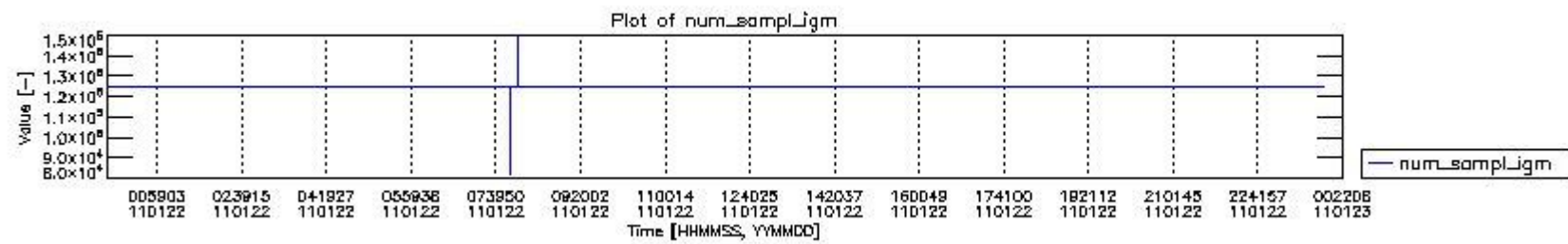
0.2 Instrument Operational Performance Parameters

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.

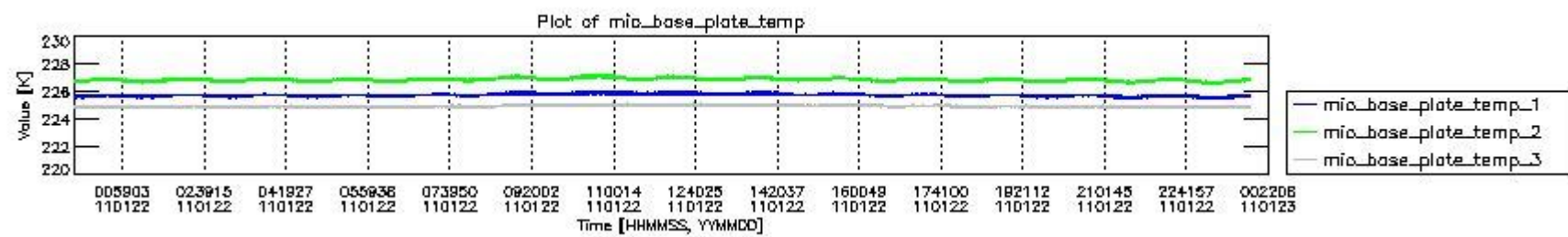
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
82148	1	0.0024020562

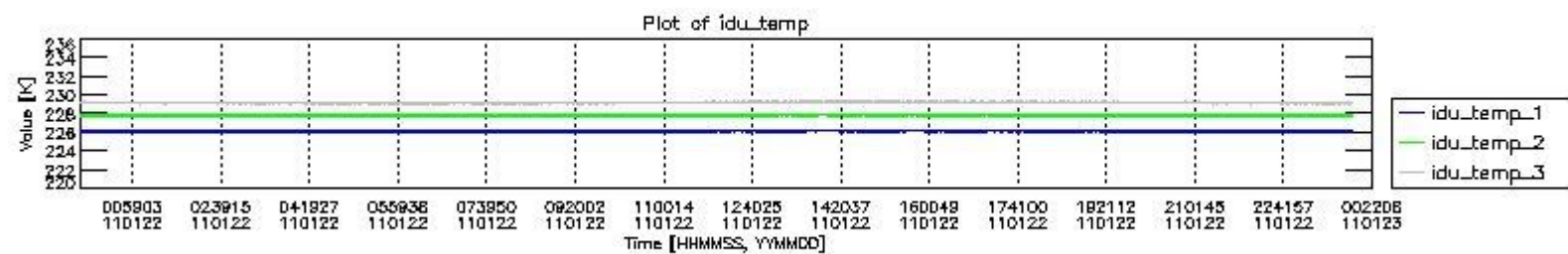
93408	1	0.0024020562
113540	1	0.0024020562
124800	38675	92.899522
124803	2950	7.0860657
127308	1	0.0024020562
147440	1	0.0024020562
149948	1	0.0024020562



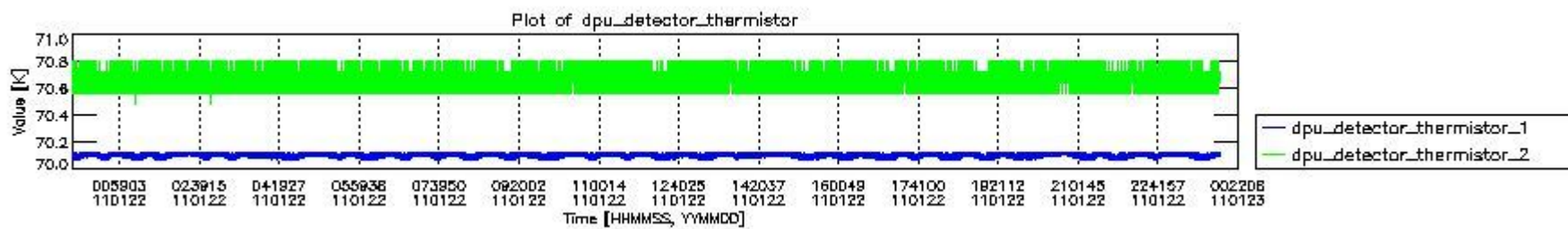
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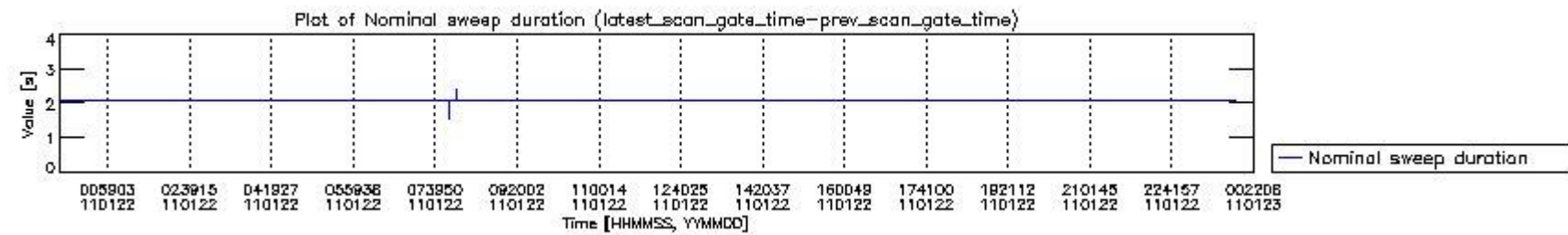
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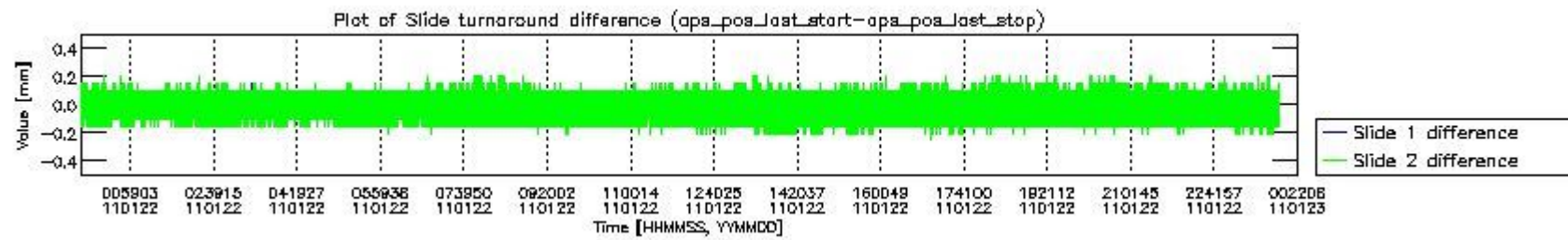
mipas_daily_report_level0_KSPT_L0_4504_N_20110122_2.PNG



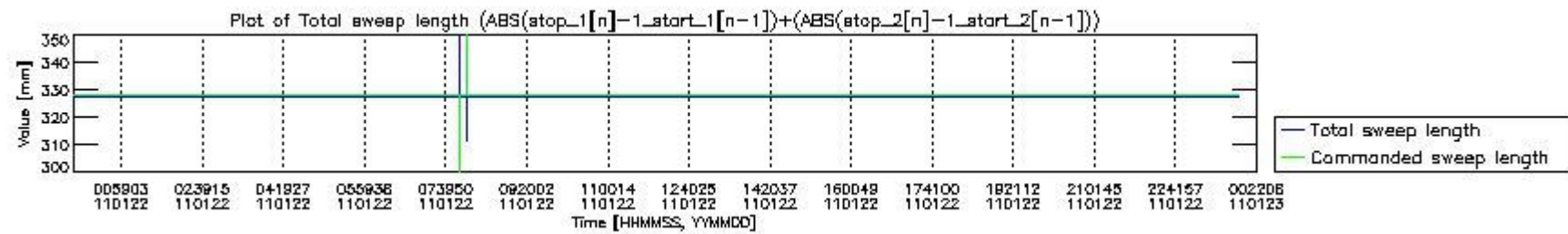
mipas_daily_report_level0_KSPT_L0_4504_N_20110122_3.PNG



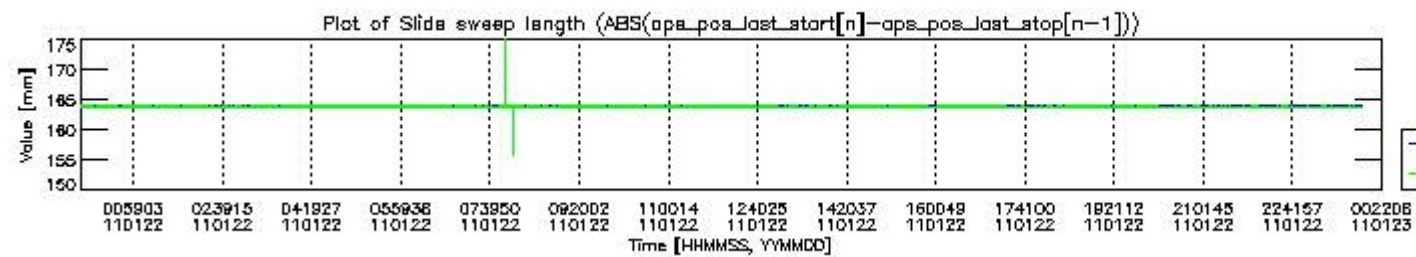
mipas_daily_report_level0_KSPT_L0_4504_N_20110122_4.PNG



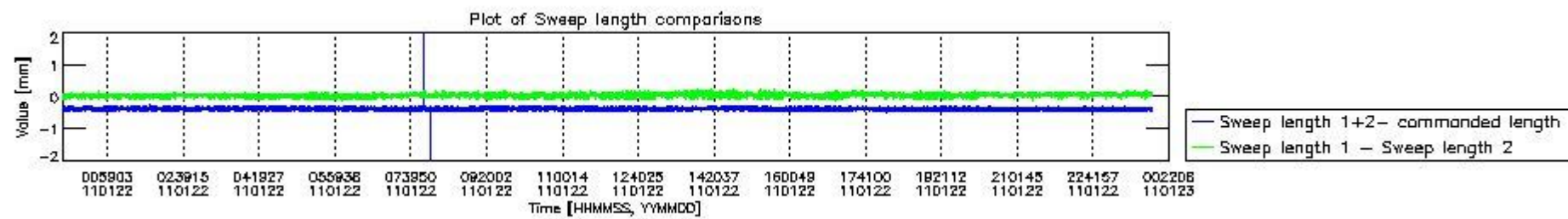
mipas_daily_report_level0_KSPT_L0_4504_N_20110122_5.PNG



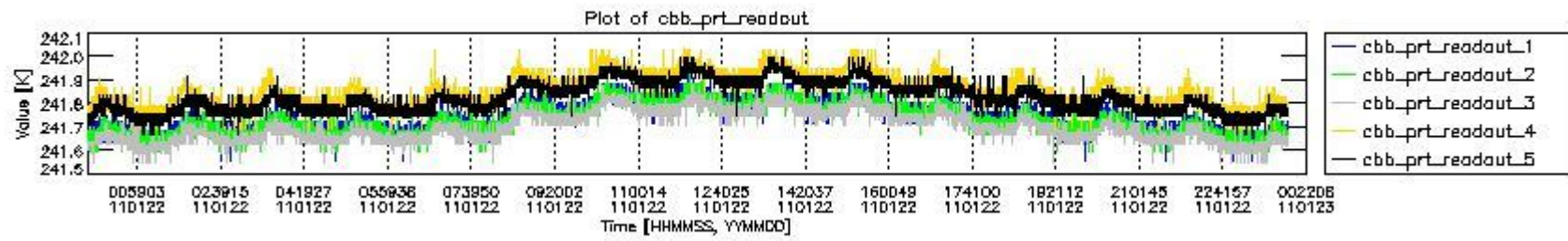
mipas_daily_report_level0_KSPT_L0_4504_N_20110122_6.PNG



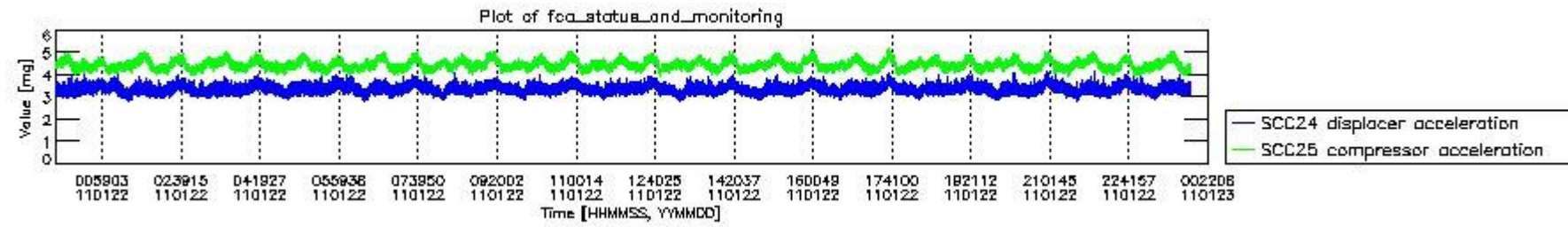
mipas_daily_report_level0_KSPT_L0_4504_N_20110122_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110122_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110122_9.PNG

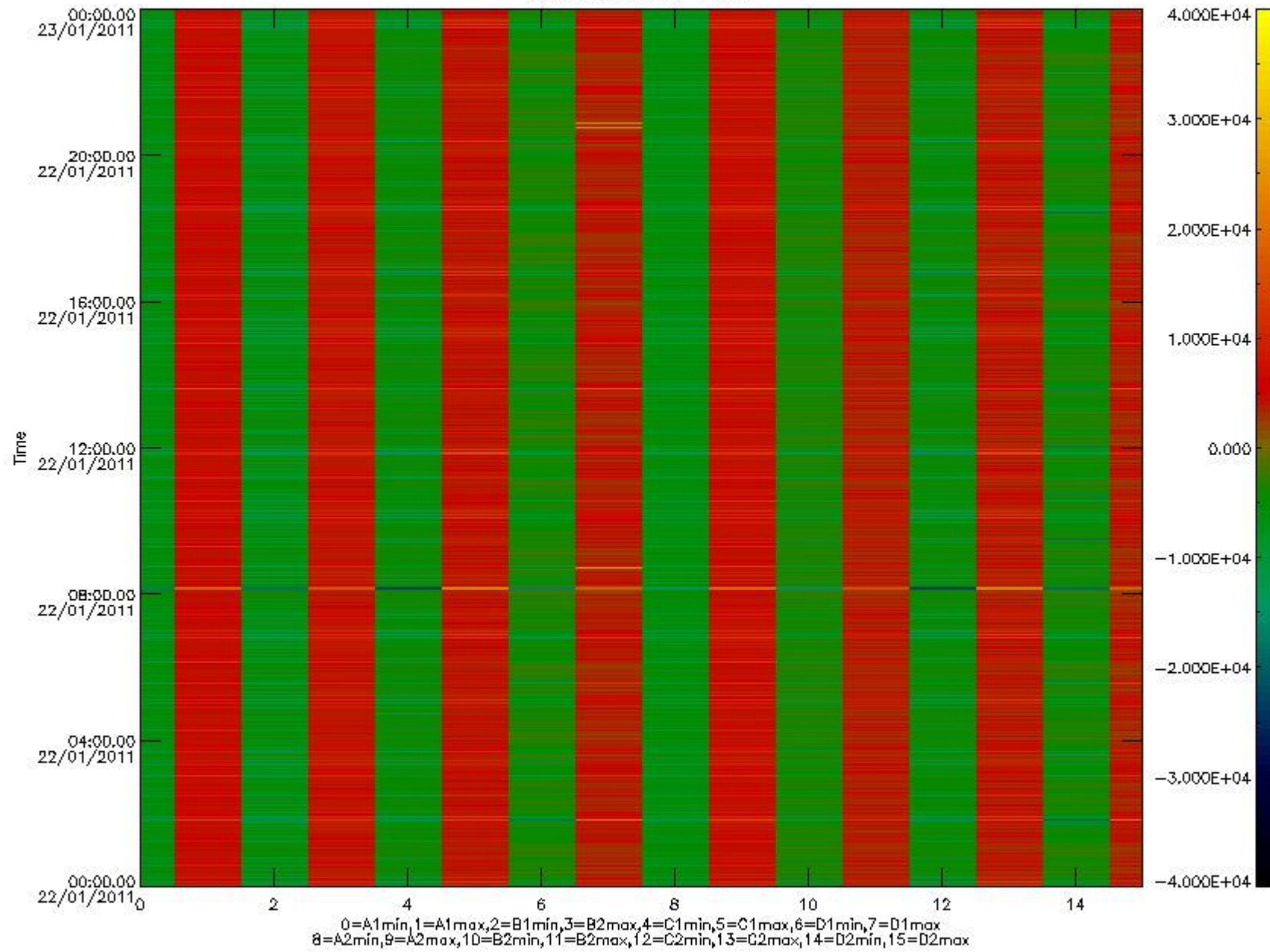


mipas_daily_report_level0_KSPT_L0_4504_N_20110122_10.PNG

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

Channel	Min	Max	ADC
A1	-17583	18609	16bit
B1	-18967	16481	16bit
C1	-23238	22002	16bit
D1	-22347	32464	16bit
A2	-15235	18717	16bit
B2	-17005	16723	16bit
C2	-23068	24525	16bit
D2	-32768	25389	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110122_11.PNG

0.3 ADF monitoring

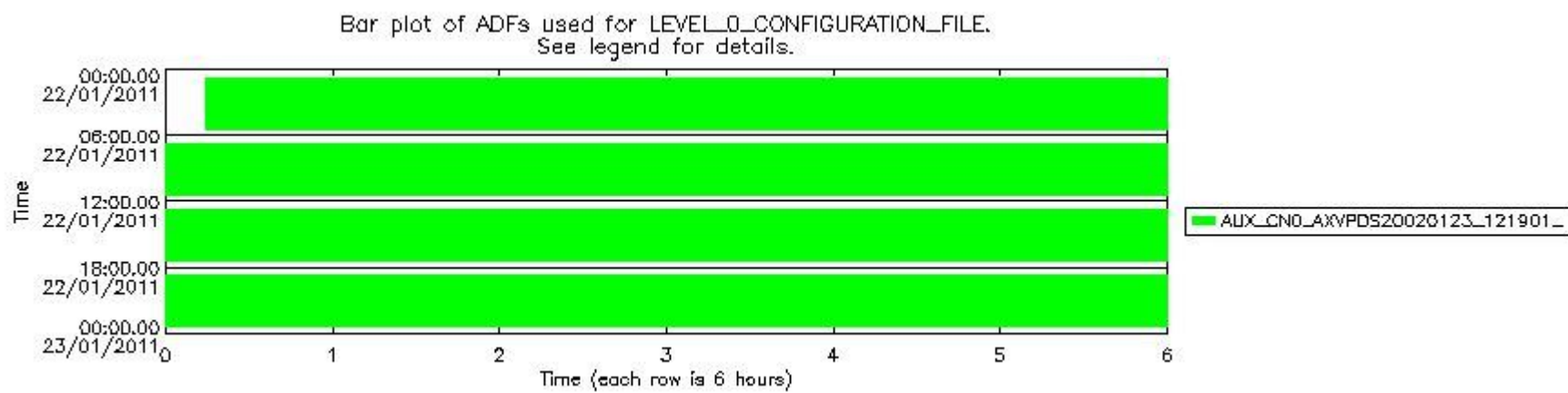
The use of ADFs is shown in two ways:

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.

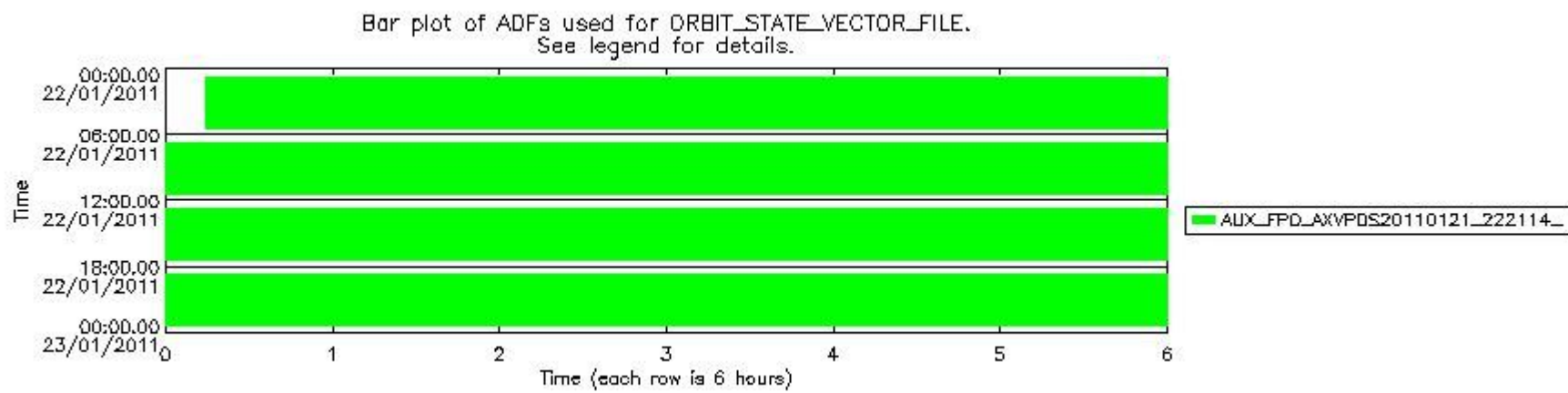
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110121_222114_20110121_192610_20110131_214002

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110122_001422_000059393098_00375_46510_2764.N1	0	1

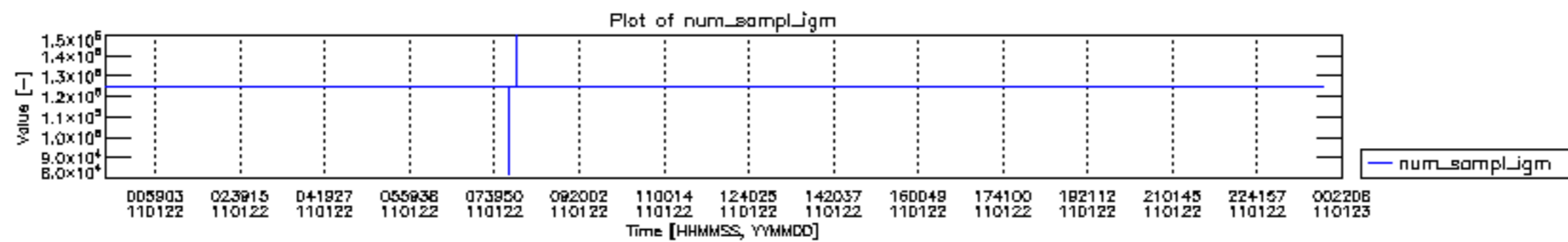
1	MIP_NL__0PNPDE20110122_015225_000044583098_00376_46511_2765.N1	0	1
2	MIP_NL__0PNPDE20110122_030610_000061753098_00377_46512_2766.N1	0	1
3	MIP_NL__0PNPDE20110122_044832_000060543098_00378_46513_2767.N1	0	1
4	MIP_NL__0PNPDK20110122_062853_000040653098_00379_46514_4084.N1	0	1
5	MIP_NL__0PNPDK20110122_073542_000061373098_00380_46515_4085.N1	0	1
6	MIP_NL__0PNPDK20110122_091621_000041723098_00381_46516_4086.N1	0	1
7	MIP_NL__0PNPDK20110122_102553_000019073098_00381_46516_4087.N1	0	1
8	MIP_NL__0PNPDK20110122_105617_000059943098_00382_46517_4088.N1	0	1
9	MIP_NL__0PNPDK20110122_123436_000059793098_00383_46518_4089.N1	0	1
10	MIP_NL__0PNPDK20110122_141315_000059193098_00384_46519_4090.N1	0	1
11	MIP_NL__0PNPDK20110122_155057_000058933098_00385_46520_4091.N1	0	1
12	MIP_NL__0PNPDK20110122_172808_000057953098_00386_46521_4092.N1	0	1
13	MIP_NL__0PNPDK20110122_190338_000060883098_00387_46522_4093.N1	0	1
14	MIP_NL__0PNPDE20110122_204328_000045153098_00388_46523_2768.N1	0	1
15	MIP_NL__0PNPDE20110122_215735_000060633098_00388_46523_2769.N1	0	1
16	MIP_NL__0PNPDE20110122_233729_000061133098_00389_46524_2770.N1	0	1

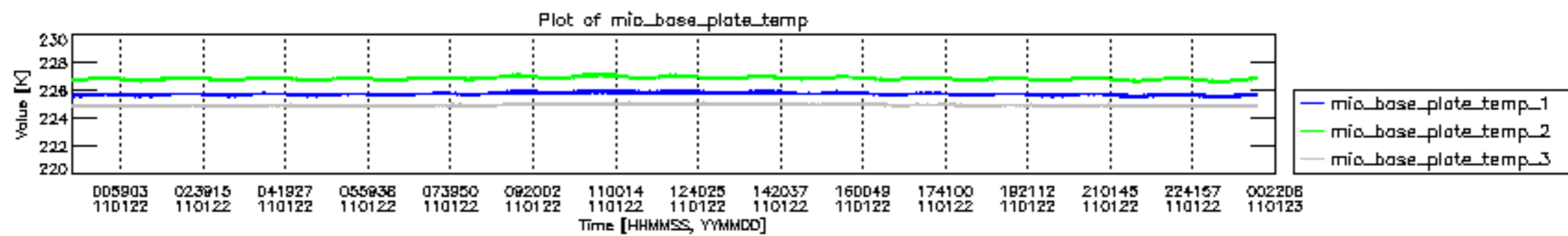


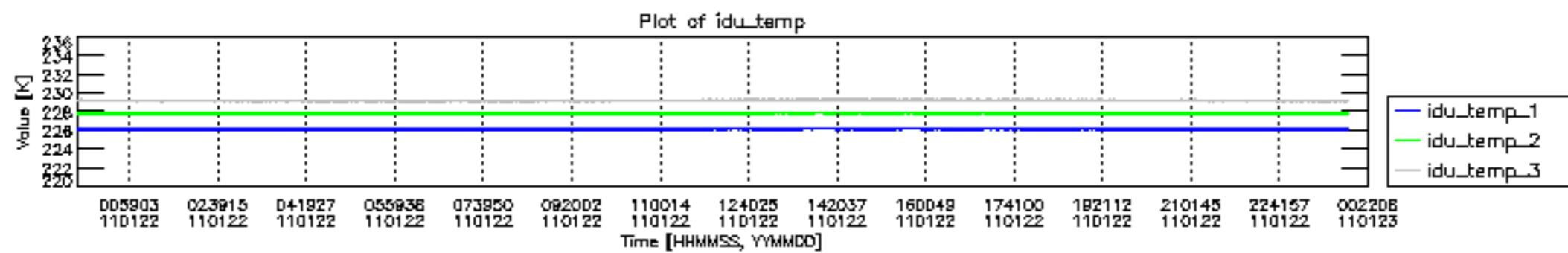
mipas_daily_report_level0_KSPT_L0_4504_N_20110122_12.PNG

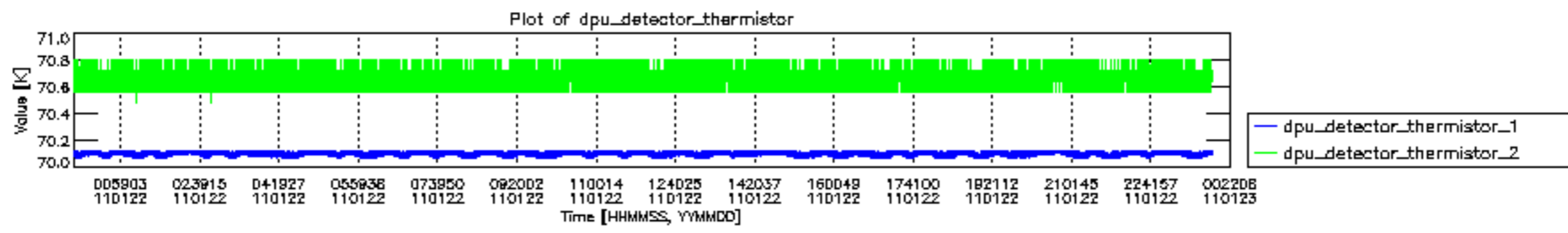


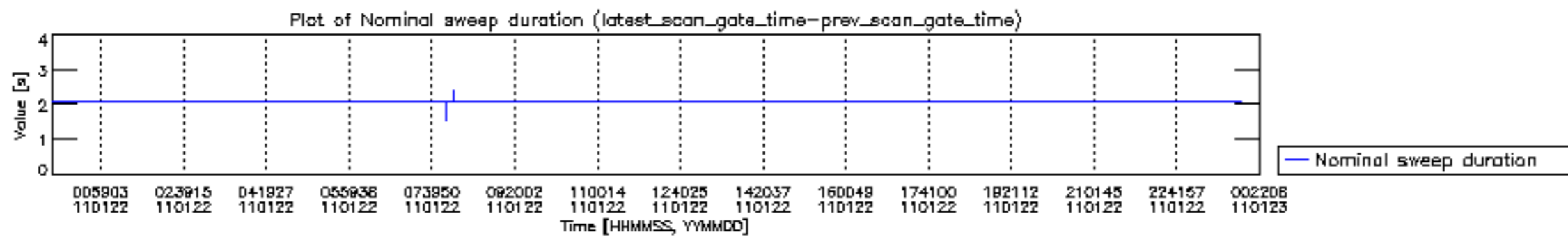
mipas_daily_report_level0_KSPT_L0_4504_N_20110122_13.PNG

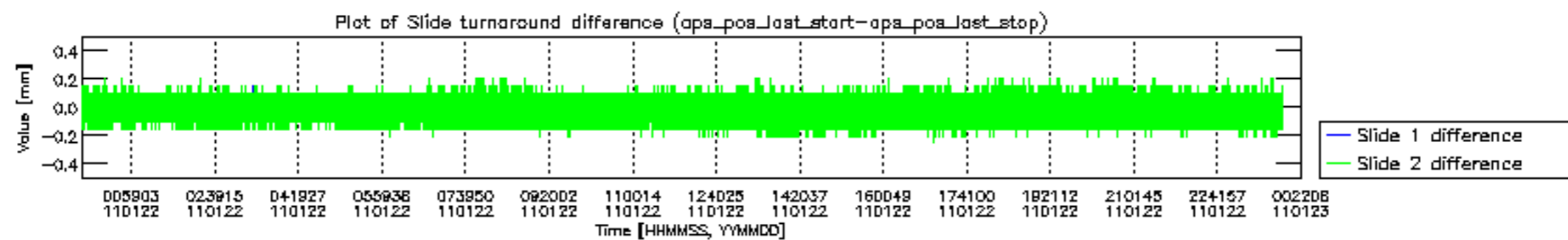


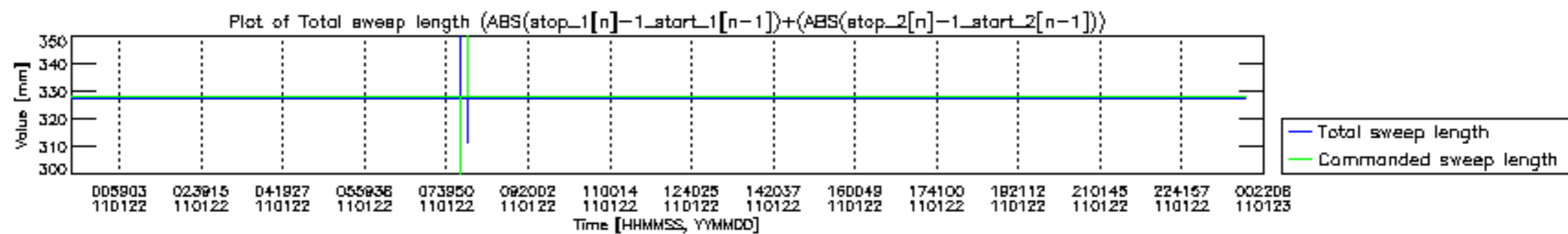


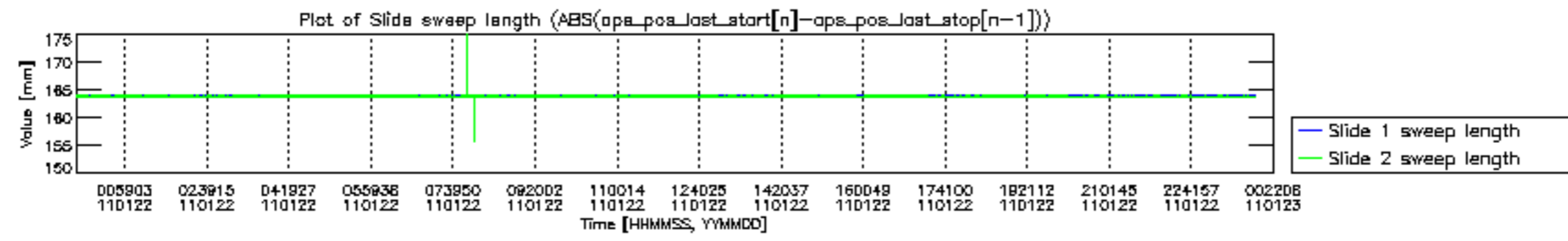


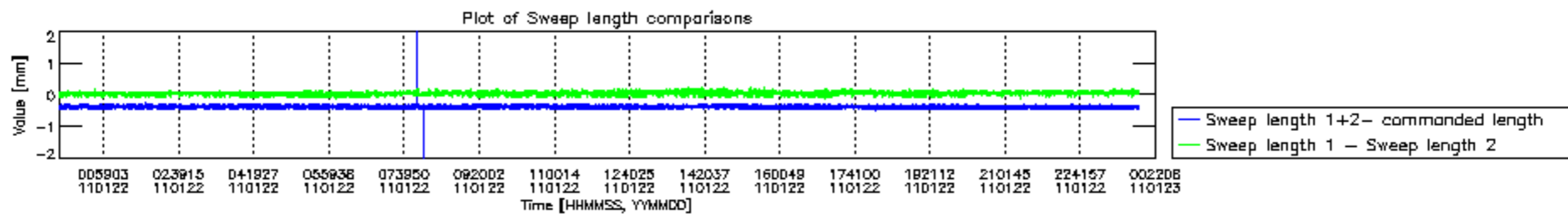


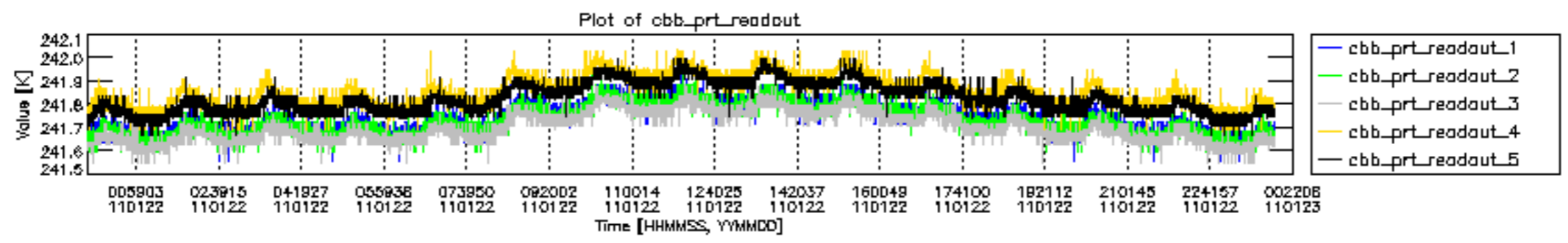


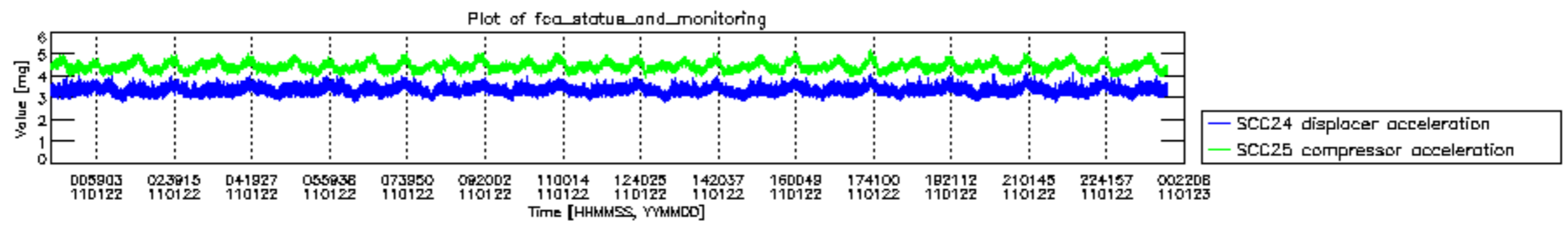












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

