

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	19APR2011 05:22:12
Data source version	KSPT_L0/4504-N
Processing scope for products	14APR2011 00:00:00 to 15APR2011 00:00:00
Start time of first product within scope	14APR2011 00:11:07
Stop time of last product within scope	15APR2011 01:15:11
Total number of level 0 products	16
Number of level 0 products with errors	1

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__0PNPDE20110414_001107_000058953101_00260_47688_3423.N1	14APR2011 00:11:07	14APR2011 01:49:21	0	0	0	0	0
1	MIP_NL__0PNPDE20110414_014819_000044083101_00261_47689_3424.N1	14APR2011 01:48:19	14APR2011 03:01:46	0	0	0	0	0
2	MIP_NL__0PNPDE20110414_030111_000061793101_00262_47690_3425.N1	14APR2011 03:01:11	14APR2011 04:44:10	0	0	0	0	0
3	MIP_NL__0PNPDE20110414_044337_000059983101_00263_47691_3426.N1	14APR2011 04:43:37	14APR2011 06:23:35	0	0	0	0	0
4	MIP_NL__0PNPDK20110414_062301_000041083101_00264_47692_4845.N1	14APR2011 06:23:01	14APR2011 07:31:29	0	0	0	0	0
5	MIP_NL__0PNPDK20110414_073058_000061353101_00265_47693_4846.N1	14APR2011 07:30:58	14APR2011 09:13:13	0	0	0	0	0
6	MIP_NL__0PNPDK20110414_091229_000059503101_00266_47694_4847.N1	14APR2011 09:12:29	14APR2011 10:51:39	1	1	0	0	0
7	MIP_NL__0PNPDK20110414_105055_000060453101_00267_47695_4848.N1	14APR2011 10:50:55	14APR2011 12:31:40	0	0	0	0	0
8	MIP_NL__0PNPDK20110414_123056_000059333101_00268_47696_4849.N1	14APR2011 12:30:56	14APR2011 14:09:49	0	0	0	0	0
9	MIP_NL__0PNPDK20110414_140915_000058583101_00269_47697_4850.N1	14APR2011 14:09:15	14APR2011 15:46:53	0	0	0	0	0
10	MIP_NL__0PNPDK20110414_154540_000058333101_00270_47698_4851.N1	14APR2011 15:45:40	14APR2011 17:22:52	0	0	0	0	0
11	MIP_NL__0PNPDK20110414_172154_000059543101_00271_47699_4852.N1	14APR2011 17:21:54	14APR2011 19:01:07	0	0	0	0	0
12	MIP_NL__0PNPDK20110414_190011_000061233101_00272_47700_4853.N1	14APR2011 19:00:11	14APR2011 20:42:14	0	0	0	0	0
13	MIP_NL__0PNPDE20110414_204038_000042703101_00273_47701_3427.N1	14APR2011 20:40:38	14APR2011 21:51:47	0	0	0	0	0
14	MIP_NL__0PNPDE20110414_215051_000061313101_00273_47701_3428.N1	14APR2011 21:50:51	14APR2011 23:33:02	0	0	0	0	0
15	MIP_NL__0PNPDE20110414_233204_000061883101_00274_47702_3429.N1	14APR2011 23:32:04	15APR2011 01:15:11	0	0	0	0	0

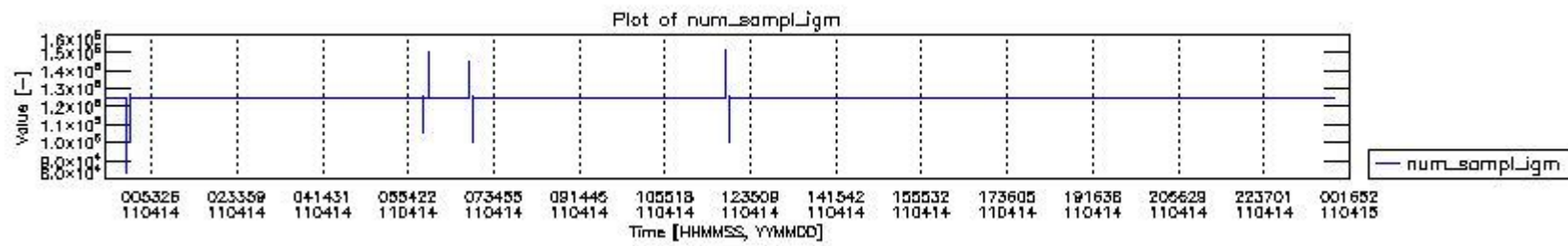
0.2 Instrument Operational Performance Parameters

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.

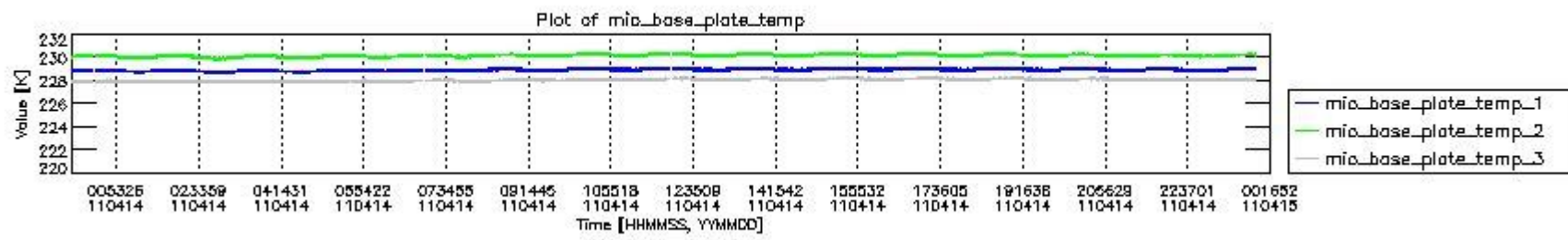
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
83486	1	0.0024237724
94077	1	0.0024237724

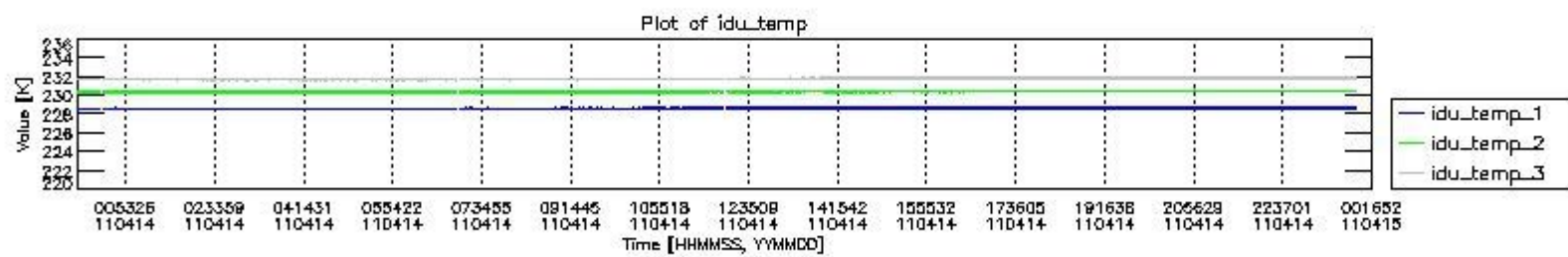
100111	1	0.0024237724
100334	1	0.0024237724
100483	1	0.0024237724
105377	1	0.0024237724
106086	1	0.0024237724
114209	1	0.0024237724
124706	1	0.0024237724
124800	38770	93.969654
124803	2464	5.9721751
125363	1	0.0024237724
125509	1	0.0024237724
125586	1	0.0024237724
125735	1	0.0024237724
125926	1	0.0024237724
126372	1	0.0024237724
126670	1	0.0024237724
127679	1	0.0024237724
128051	1	0.0024237724
144744	1	0.0024237724
144838	1	0.0024237724
147811	1	0.0024237724
148183	1	0.0024237724
150690	1	0.0024237724
151434	1	0.0024237724



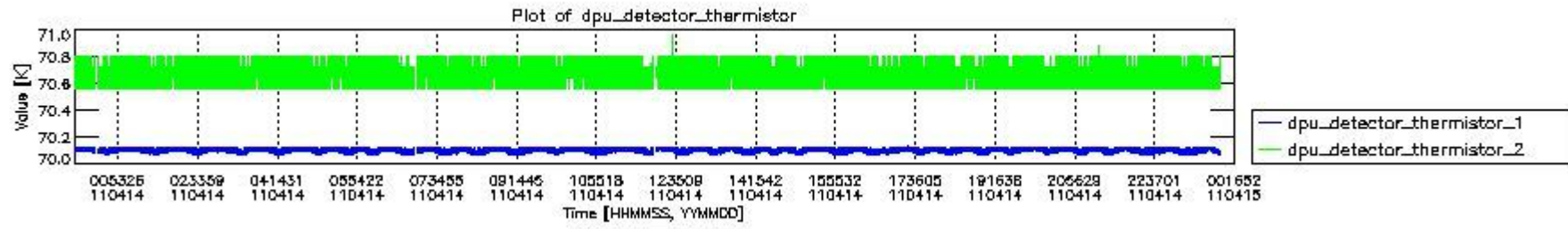
mipas_daily_report_level0_KSPT_L0_4504_N_20110414_0.PNG



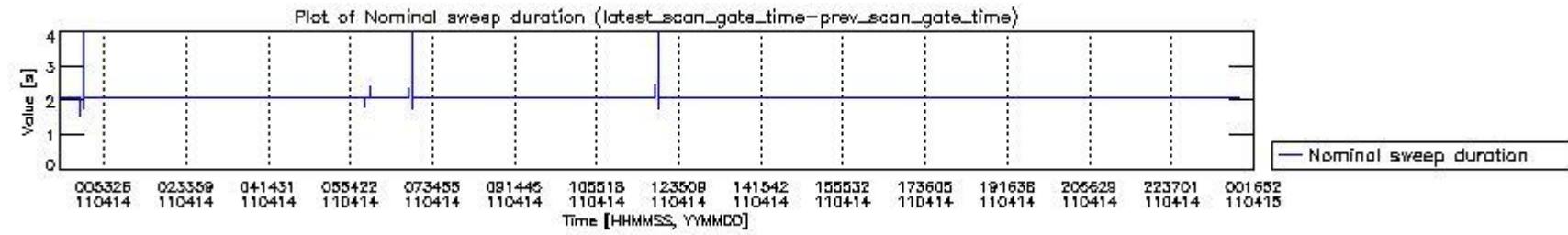
mipas_daily_report_level0_KSPT_L0_4504_N_20110414_1.PNG



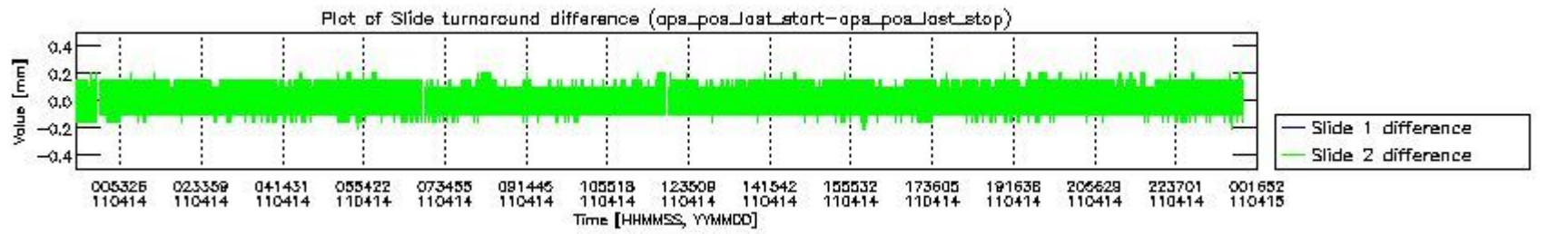
mipas_daily_report_level0_KSPT_L0_4504_N_20110414_2.PNG



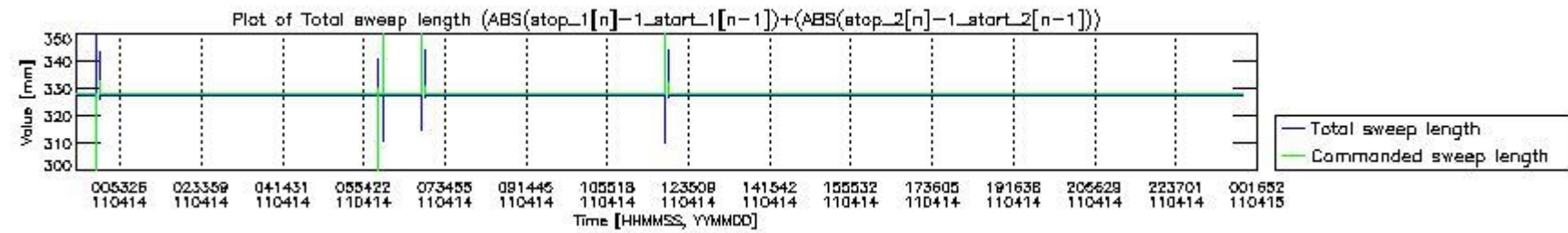
mipas_daily_report_level0_KSPT_L0_4504_N_20110414_3.PNG



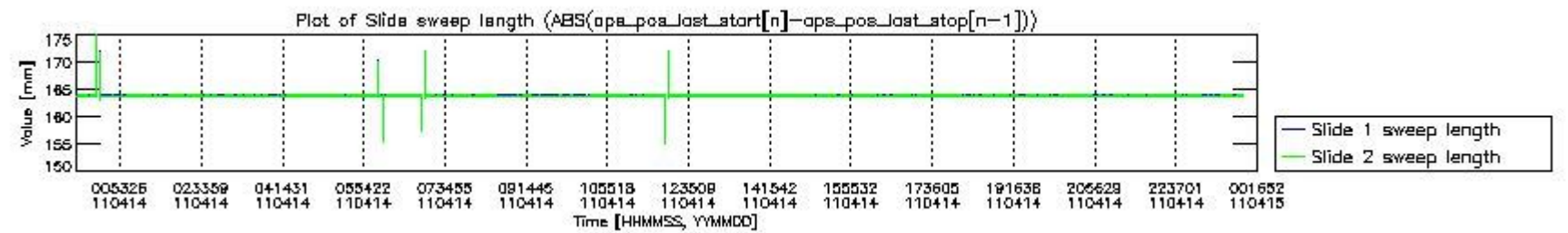
mipas_daily_report_level0_KSPT_L0_4504_N_20110414_4.PNG



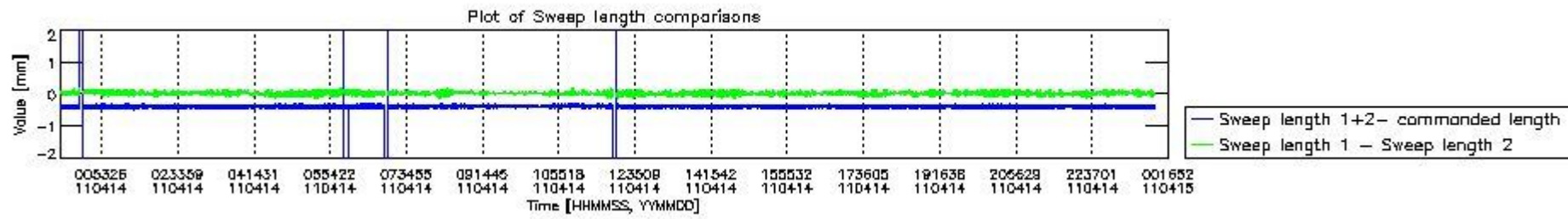
mipas_daily_report_level0_KSPT_L0_4504_N_20110414_5.PNG



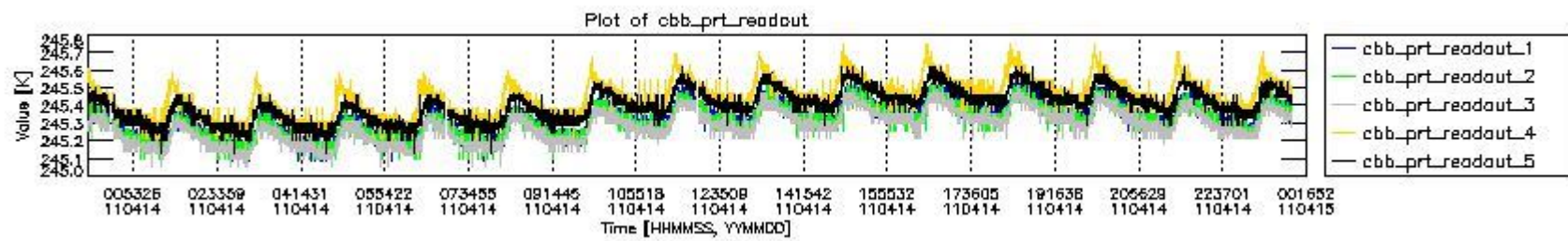
mipas_daily_report_level0_KSPT_L0_4504_N_20110414_6.PNG



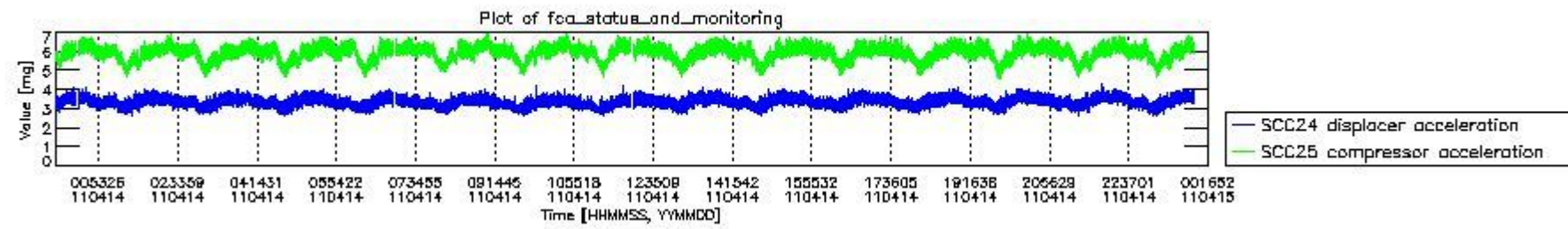
mipas_daily_report_level0_KSPT_L0_4504_N_20110414_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110414_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110414_9.PNG

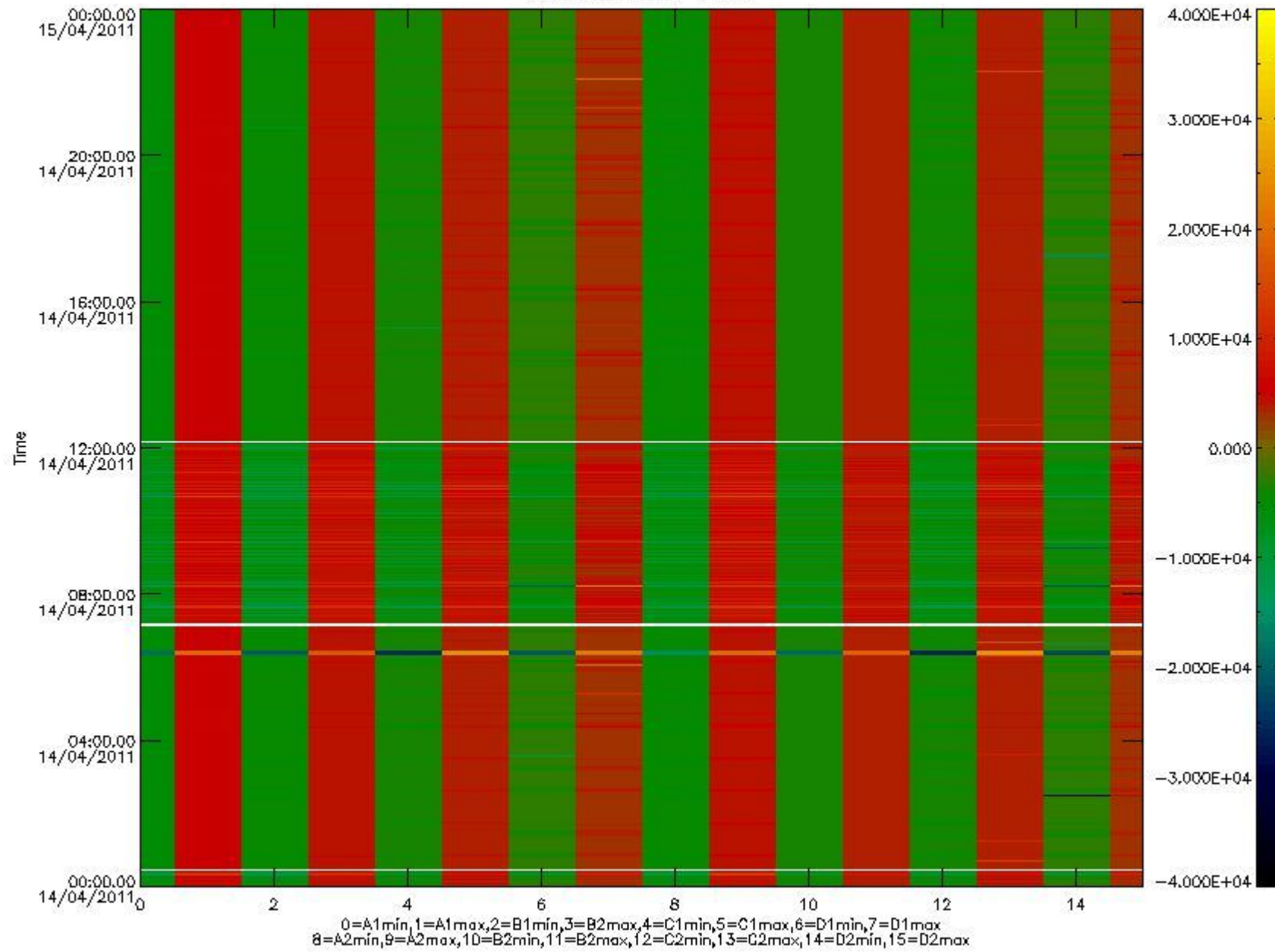


mipas_daily_report_level0_KSPT_L0_4504_N_20110414_10.PNG

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

Channel	Min	Max	ADC
A1	-18806	20210	16bit
B1	-21080	17930	16bit
C1	-25382	25282	16bit
D1	-32768	32767	16bit
A2	-16204	20307	16bit
B2	-19477	18783	16bit
C2	-26412	26047	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_20110414_11.PNG

0.3 ADF monitoring

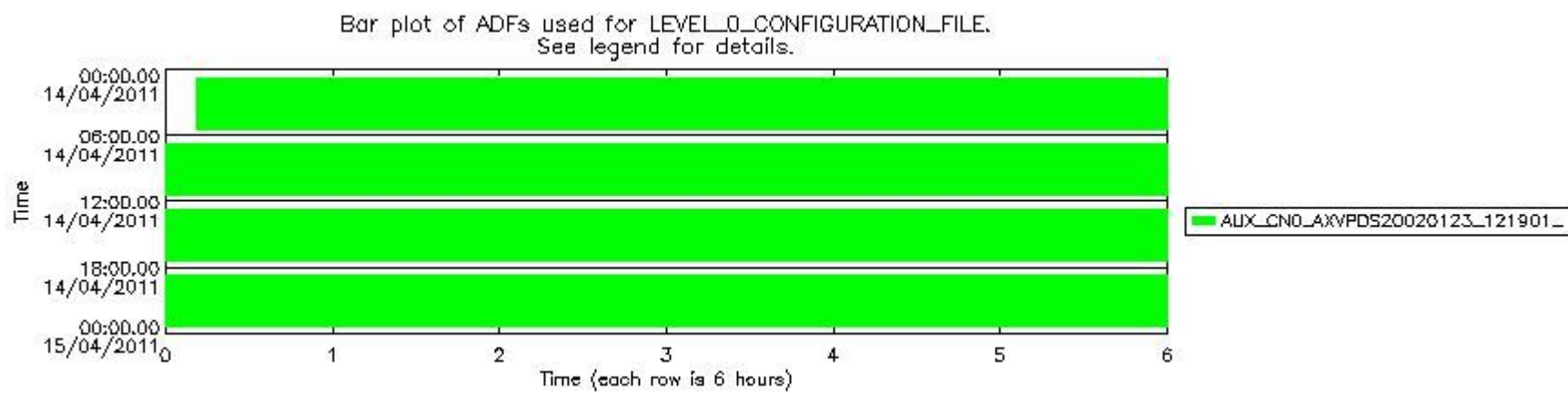
The use of ADFs is shown in two ways:

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.

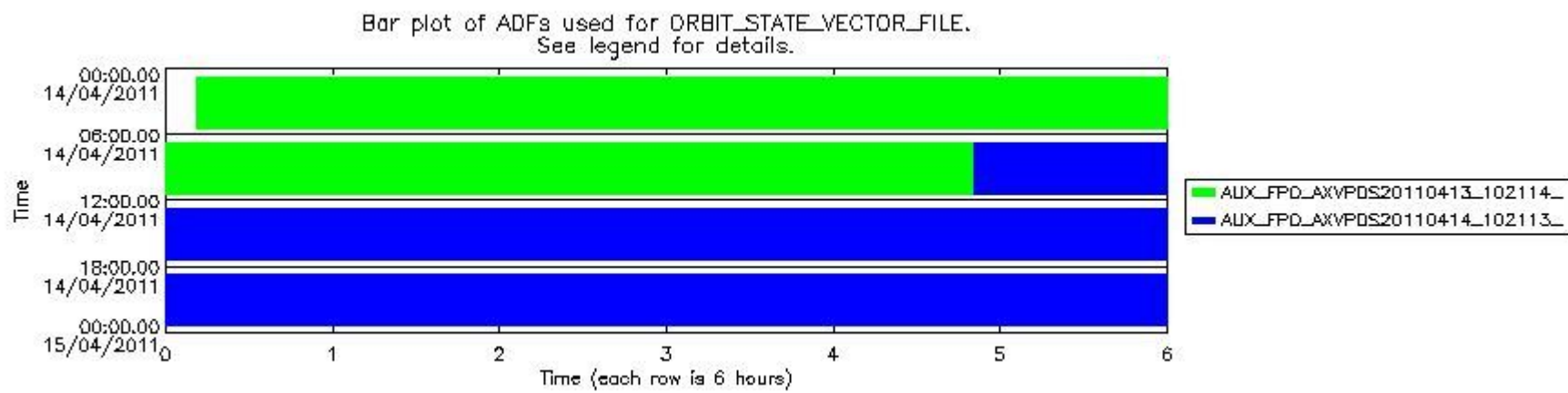
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110413_102114_20110412_195747_20110422_203122
2	AUX_FPO_AXVPDS20110414_102113_20110413_192103_20110423_213452

Number	Product name	#CN0	#FPO
--------	--------------	------	------

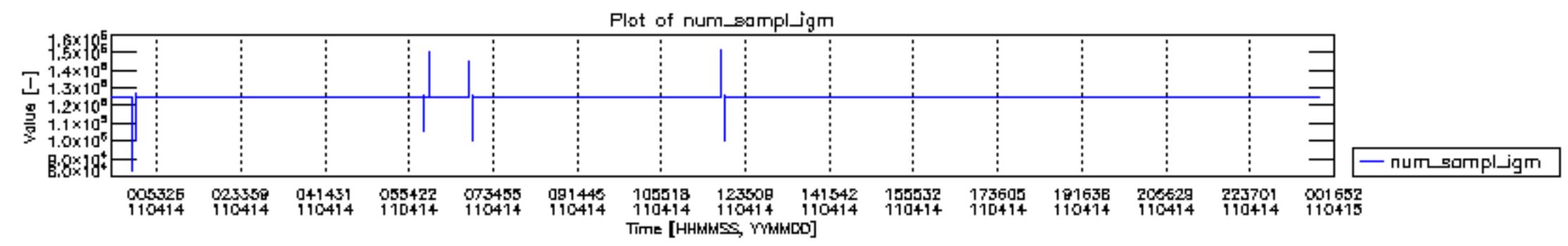
0	MIP_NL__0PNPDE20110414_001107_000058953101_00260_47688_3423.N1	0	1
1	MIP_NL__0PNPDE20110414_014819_000044083101_00261_47689_3424.N1	0	1
2	MIP_NL__0PNPDE20110414_030111_000061793101_00262_47690_3425.N1	0	1
3	MIP_NL__0PNPDE20110414_044337_000059983101_00263_47691_3426.N1	0	1
4	MIP_NL__0PNPDK20110414_062301_000041083101_00264_47692_4845.N1	0	1
5	MIP_NL__0PNPDK20110414_073058_000061353101_00265_47693_4846.N1	0	1
6	MIP_NL__0PNPDK20110414_091229_000059503101_00266_47694_4847.N1	0	1
7	MIP_NL__0PNPDK20110414_105055_000060453101_00267_47695_4848.N1	0	2
8	MIP_NL__0PNPDK20110414_123056_000059333101_00268_47696_4849.N1	0	2
9	MIP_NL__0PNPDK20110414_140915_000058583101_00269_47697_4850.N1	0	2
10	MIP_NL__0PNPDK20110414_154540_000058333101_00270_47698_4851.N1	0	2
11	MIP_NL__0PNPDK20110414_172154_000059543101_00271_47699_4852.N1	0	2
12	MIP_NL__0PNPDK20110414_190011_000061233101_00272_47700_4853.N1	0	2
13	MIP_NL__0PNPDE20110414_204038_000042703101_00273_47701_3427.N1	0	2
14	MIP_NL__0PNPDE20110414_215051_000061313101_00273_47701_3428.N1	0	2
15	MIP_NL__0PNPDE20110414_233204_000061883101_00274_47702_3429.N1	0	2

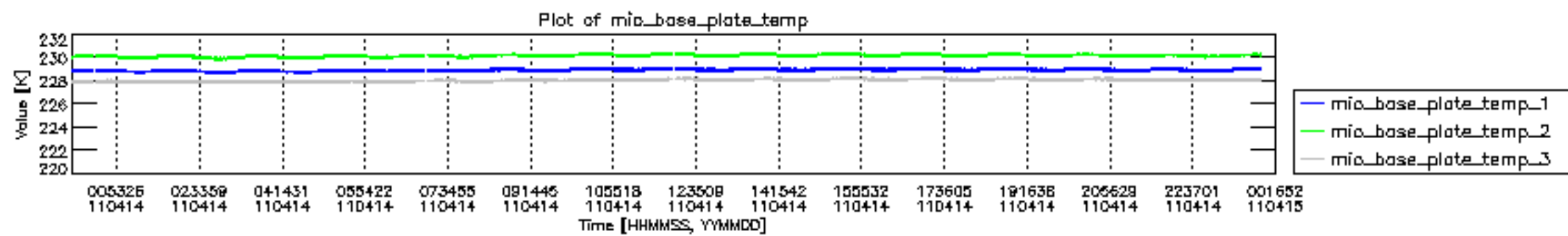


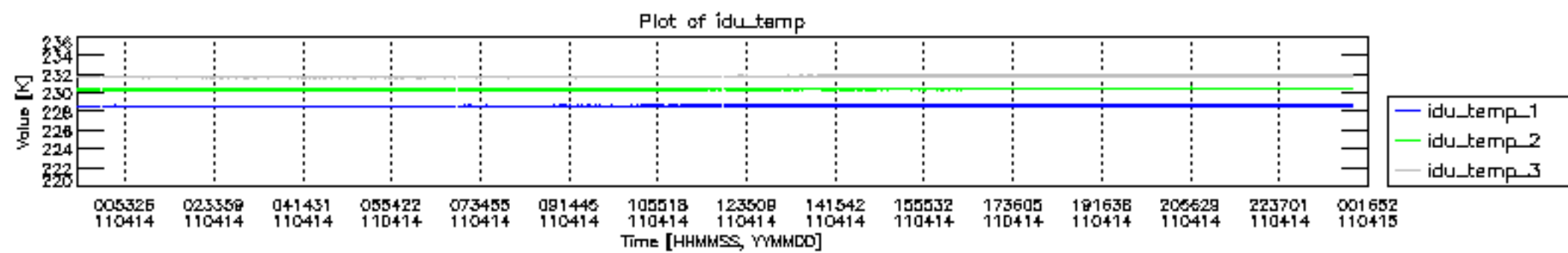
mipas_daily_report_level0_KSPT_L0_4504_N_20110414_12.PNG

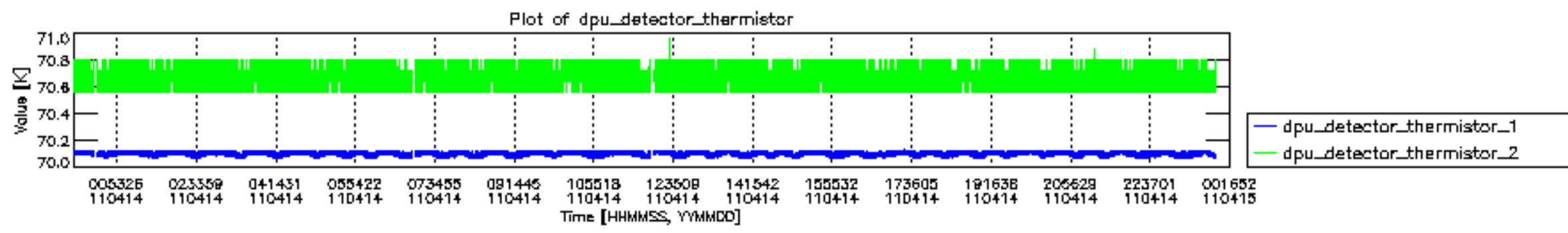


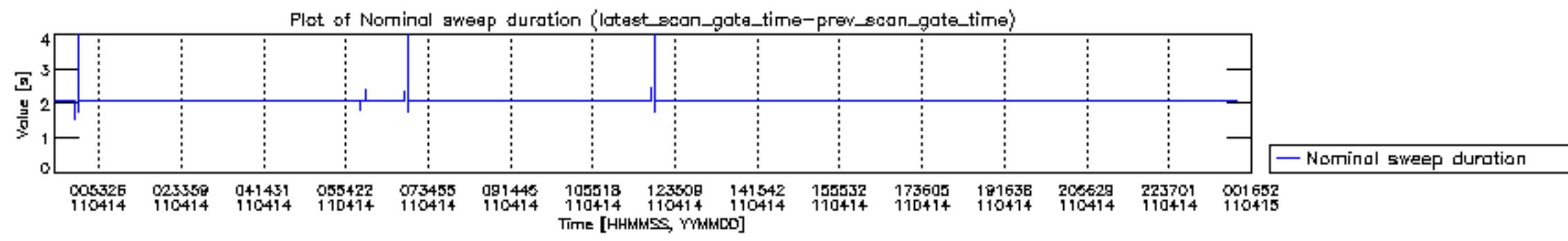
mipas_daily_report_level0_KSPT_L0_4504_N_20110414_13.PNG

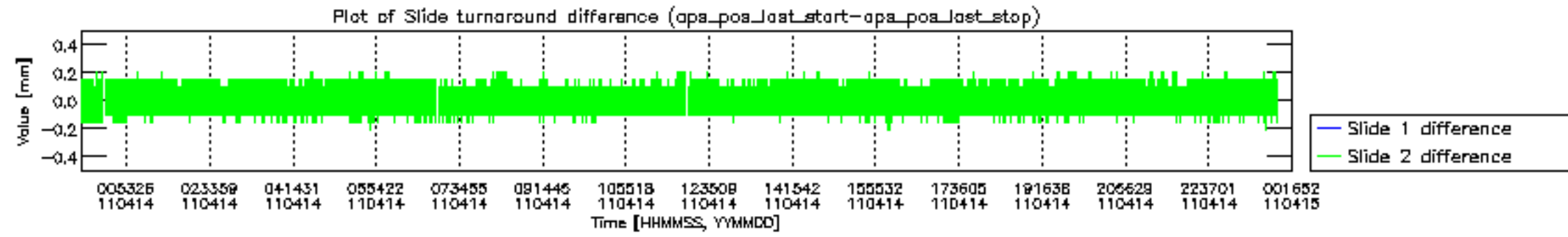


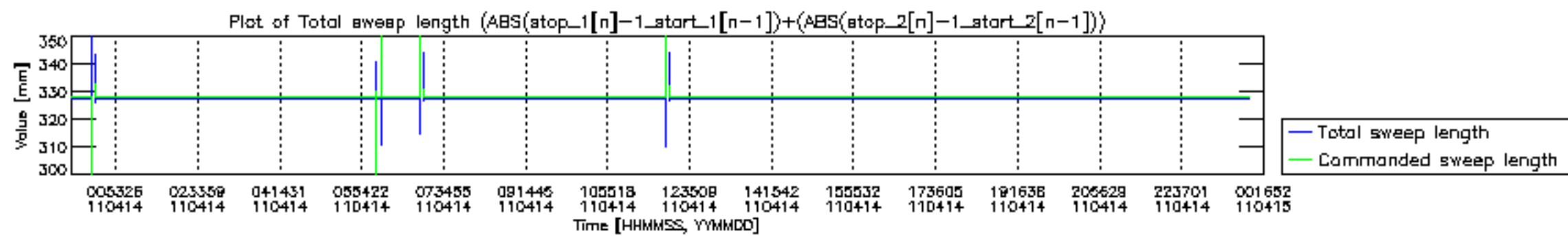


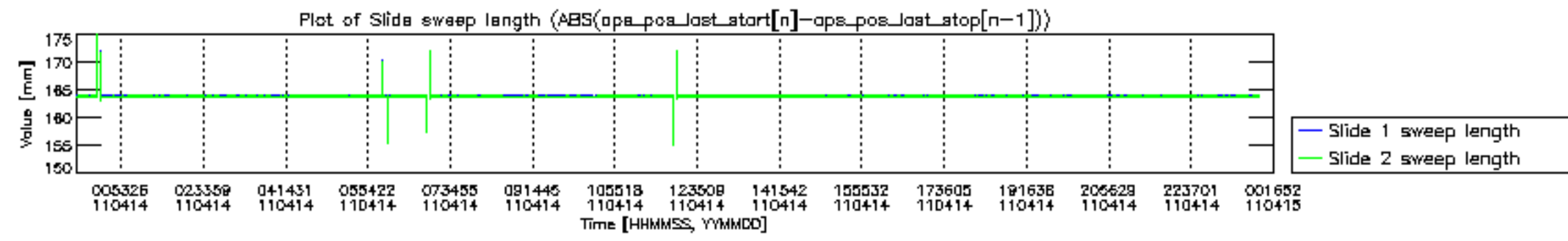


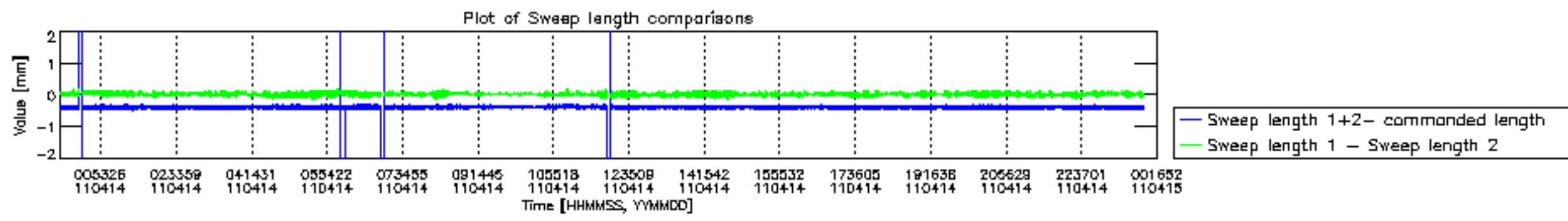


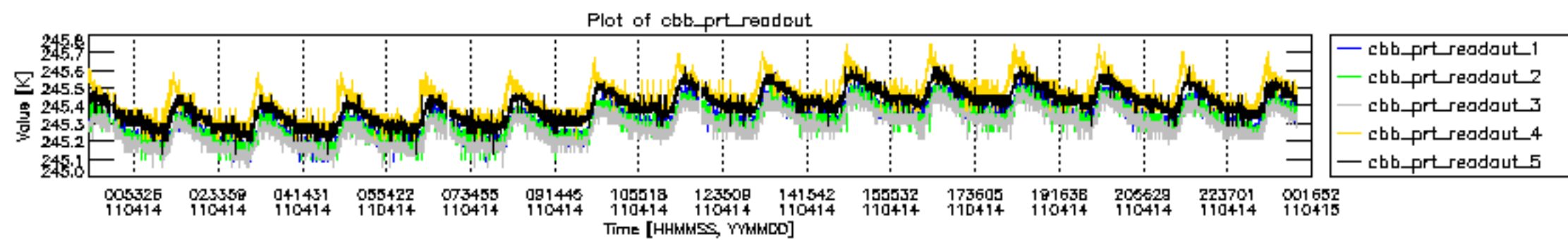


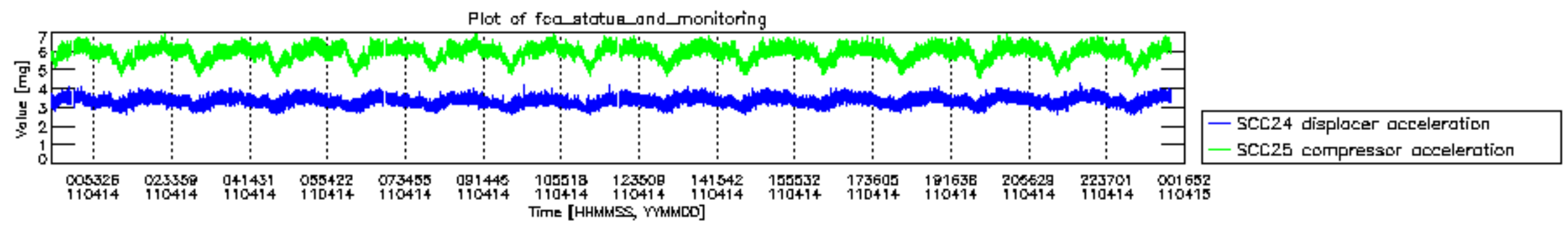












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

