

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	30APR2011 05:24:15
Data source version	KSPT_L0/4504-N
Processing scope for products	25APR2011 00:00:00 to 26APR2011 00:00:00
Start time of first product within scope	25APR2011 00:06:42
Stop time of last product within scope	26APR2011 01:11:17
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__0PNPDE20110425_000642_000059493101_00418_47846_3503.N1	25APR2011 00:06:42	25APR2011 01:45:52	0	0	0	0	0
1	MIP_NL__0PNPDE20110425_002620_000047713101_00419_47847_3507.N1	25APR2011 00:26:20	25APR2011 01:45:52	0	0	0	0	0
2	MIP_NL__0PNPDE20110425_014447_000044433101_00419_47847_3504.N1	25APR2011 01:44:47	25APR2011 02:58:50	0	0	0	0	0
3	MIP_NL__0PNPDE20110425_025817_000061483101_00420_47848_3505.N1	25APR2011 02:58:17	25APR2011 04:40:45	0	0	0	0	0
4	MIP_NL__0PNPDE20110425_044011_000060043101_00421_47849_3506.N1	25APR2011 04:40:11	25APR2011 06:20:15	0	0	0	0	0
5	MIP_NL__0PNPDK20110425_061942_000041203101_00422_47850_4946.N1	25APR2011 06:19:42	25APR2011 07:28:21	0	0	0	0	0
6	MIP_NL__0PNPDK20110425_072750_000061253101_00423_47851_4947.N1	25APR2011 07:27:50	25APR2011 09:09:55	0	0	0	0	0
7	MIP_NL__0PNPDK20110425_090913_000060193101_00424_47852_4948.N1	25APR2011 09:09:13	25APR2011 10:49:32	0	0	0	0	0
8	MIP_NL__0PNPDK20110425_104850_000059623101_00425_47853_4949.N1	25APR2011 10:48:50	25APR2011 12:28:12	0	0	0	0	0
9	MIP_NL__0PNPDK20110425_122728_000059503101_00426_47854_4951.N1	25APR2011 12:27:28	25APR2011 14:06:38	1	1	0	0	0
10	MIP_NL__0PNPDK20110425_140604_000058283101_00427_47855_4952.N1	25APR2011 14:06:04	25APR2011 15:43:13	0	0	0	0	0
11	MIP_NL__0PNPDK20110425_154143_000059353101_00428_47856_4953.N1	25APR2011 15:41:43	25APR2011 17:20:38	0	0	0	0	0
12	MIP_NL__0PNPDK20110425_171941_000060023101_00429_47857_4954.N1	25APR2011 17:19:41	25APR2011 18:59:43	0	0	0	0	0
13	MIP_NL__0PNPDE20110425_203802_000042533101_00431_47859_3508.N1	25APR2011 20:38:02	25APR2011 21:48:56	0	0	0	0	0
14	MIP_NL__0PNPDE20110425_214753_000062653101_00431_47859_3509.N1	25APR2011 21:47:53	25APR2011 23:32:18	0	0	0	0	0
15	MIP_NL__0PNPDE20110425_233122_000059963102_00001_47860_3510.N1	25APR2011 23:31:22	26APR2011 01:11:17	0	0	0	0	0

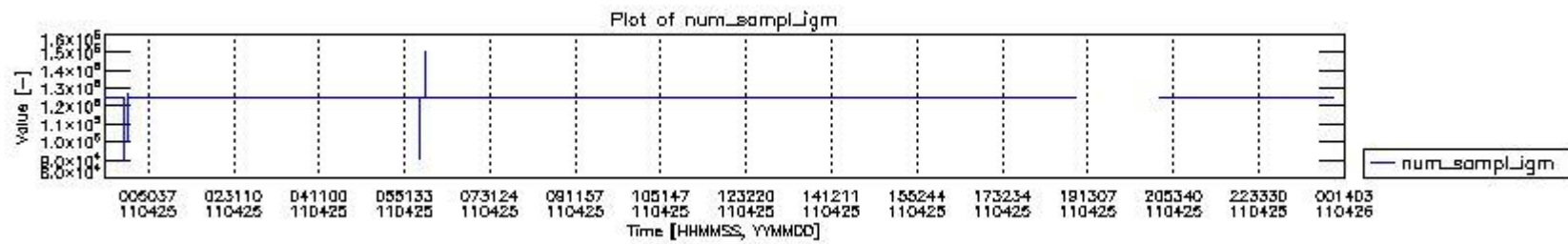
0.2 Instrument Operational Performance Parameters

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.

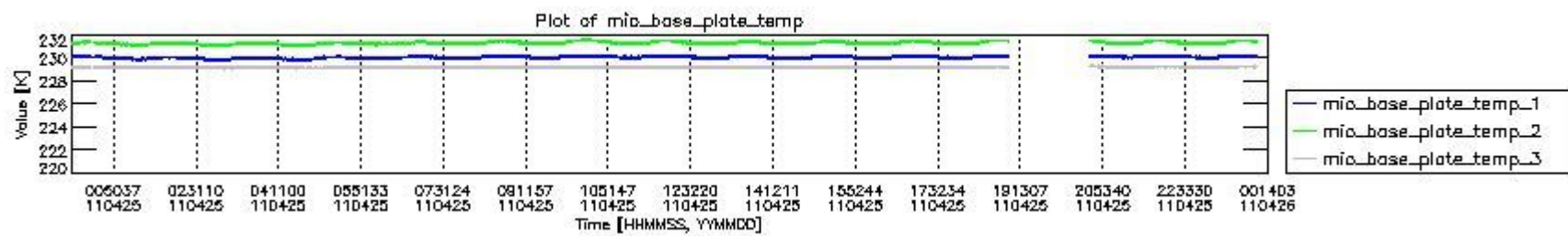
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
89732	1	0.0025911435
90624	1	0.0025911435

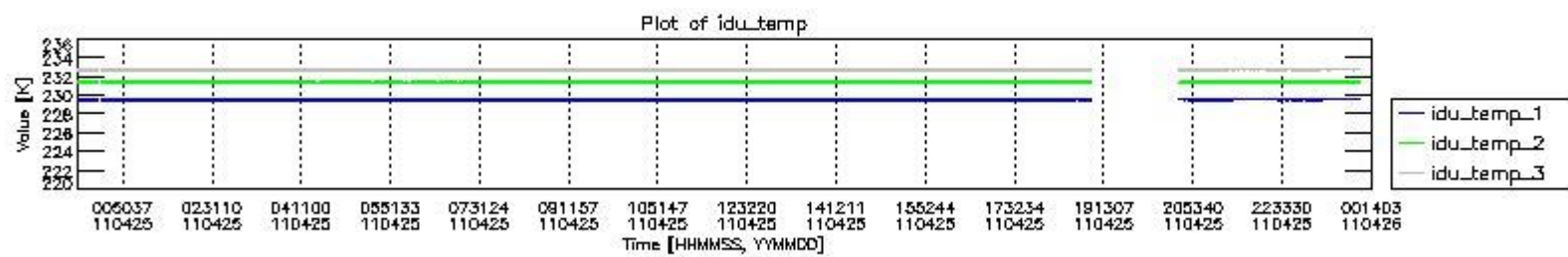
97200	1	0.0025911435
97646	1	0.0025911435
100632	1	0.0025911435
117332	1	0.0025911435
117778	1	0.0025911435
124800	35851	92.895085
124803	2730	7.0738217
125884	1	0.0025911435
126968	1	0.0025911435
127679	1	0.0025911435
147811	1	0.0025911435
150690	1	0.0025911435



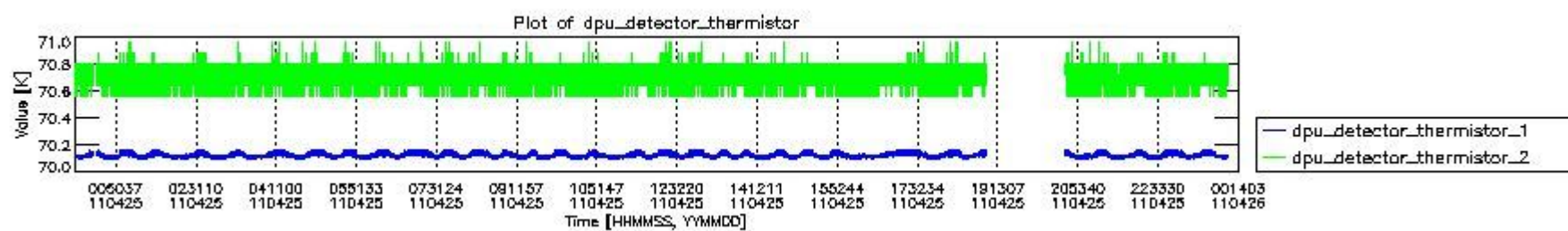
mipas_daily_report_level0_KSPT_L0_4504_N_20110425_0.PNG



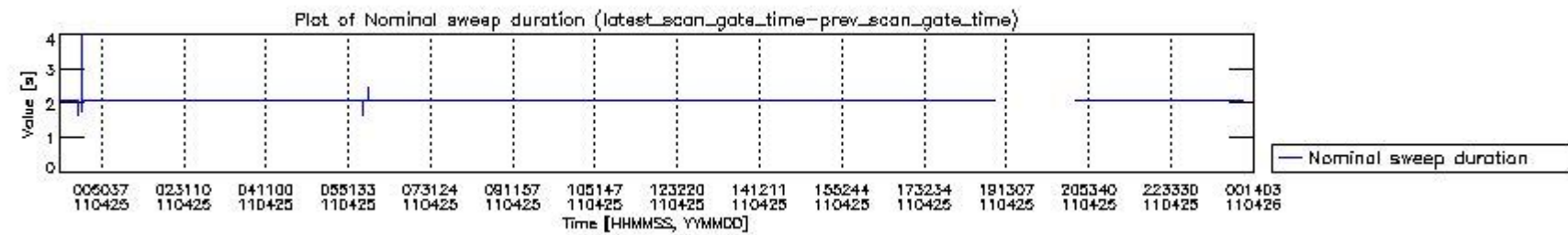
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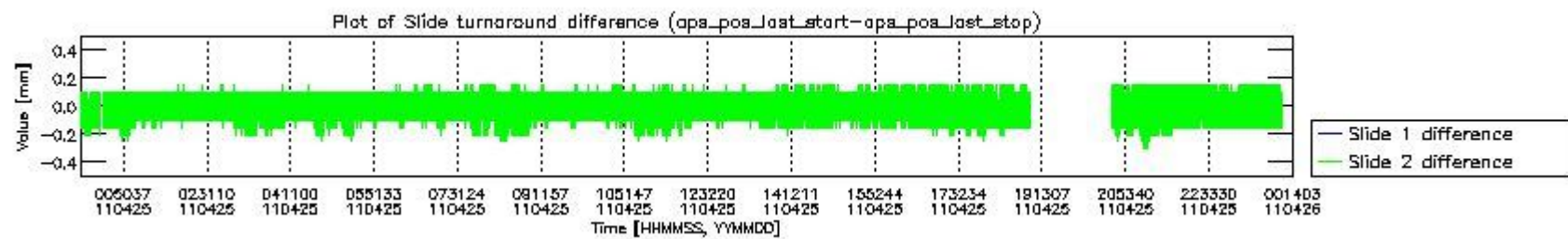
mipas_daily_report_level0_KSPT_L0_4504_N_20110425_2.PNG



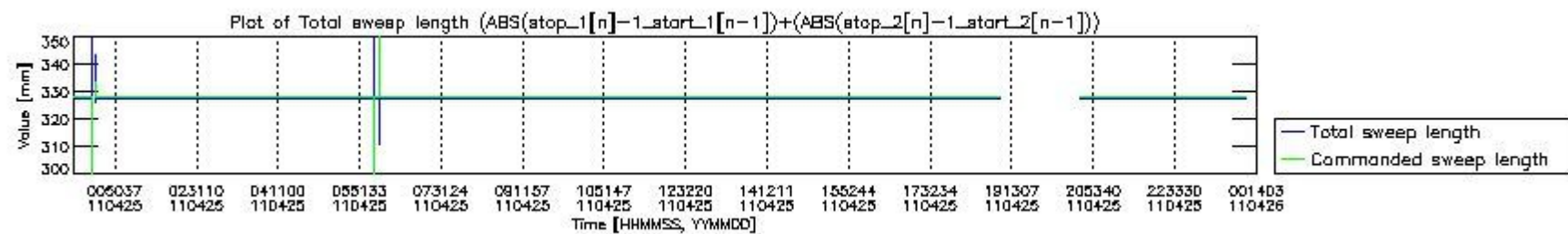
mipas_daily_report_level0_KSPT_L0_4504_N_20110425_3.PNG



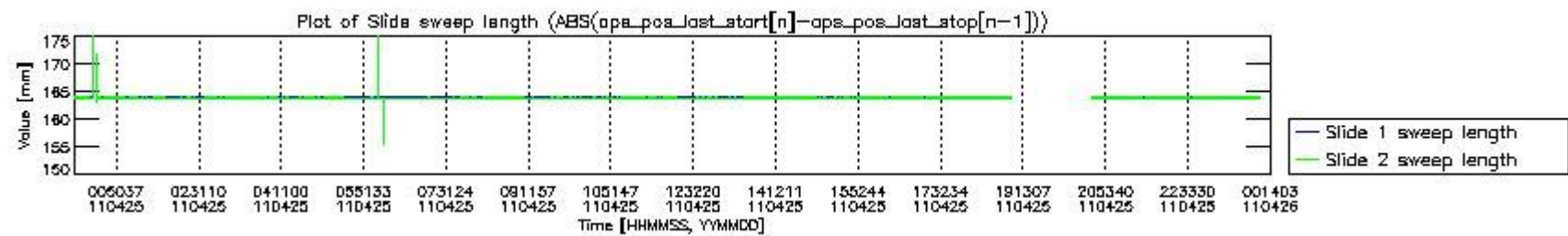
mipas_daily_report_level0_KSPT_L0_4504_N_20110425_4.PNG



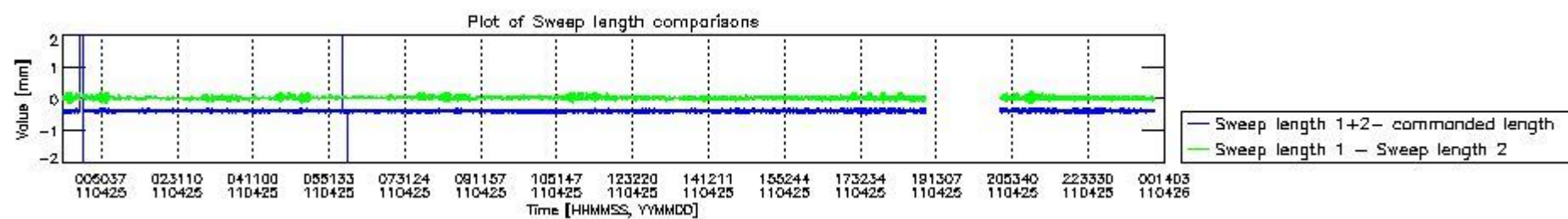
mipas_daily_report_level0_KSPT_L0_4504_N_20110425_5.PNG



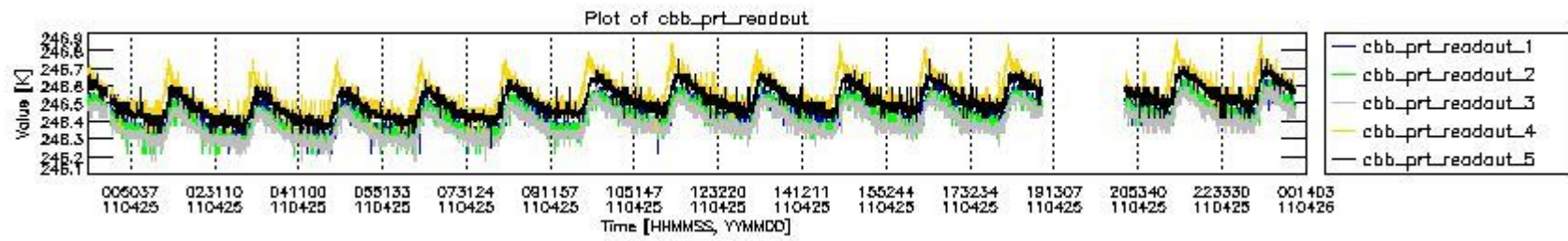
mipas_daily_report_level0_KSPT_L0_4504_N_20110425_6.PNG



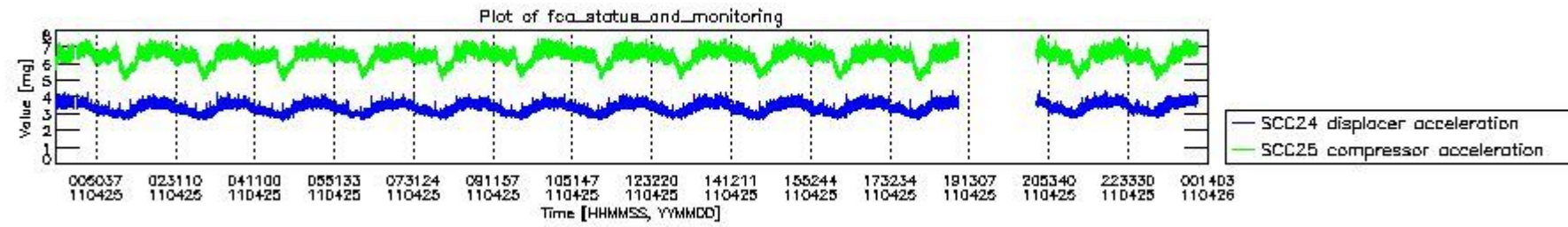
mipas_daily_report_level0_KSPT_L0_4504_N_20110425_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110425_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110425_9.PNG

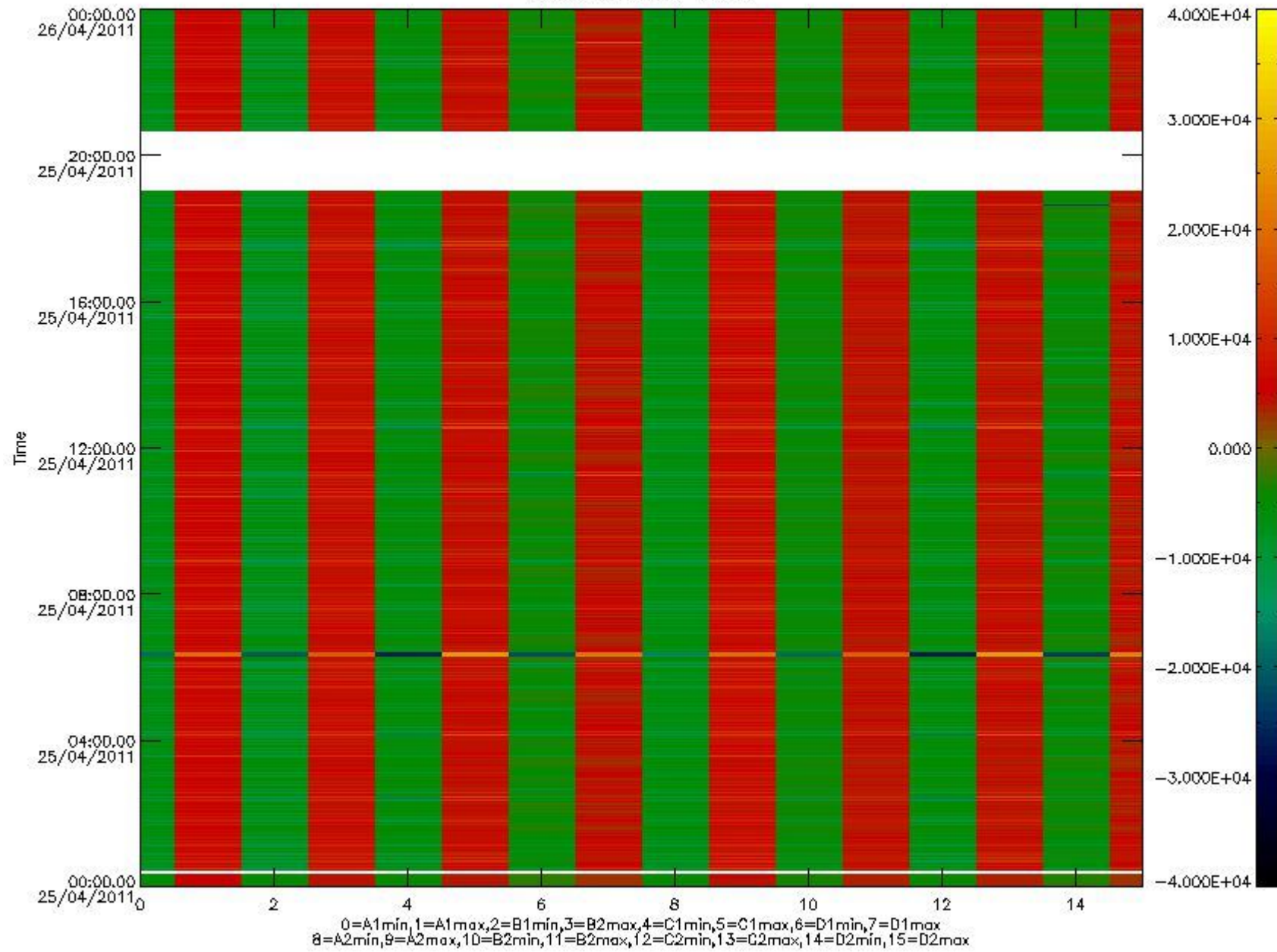


mipas_daily_report_level0_KSPT_L0_4504_N_20110425_10.PNG

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

Channel	Min	Max	ADC
A1	-19005	20460	16bit
B1	-21782	18438	16bit
C1	-26408	26317	16bit
D1	-32768	32767	16bit
A2	-16365	20560	16bit
B2	-20102	19359	16bit
C2	-27480	27097	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_20110425_11.PNG

0.3 ADF monitoring

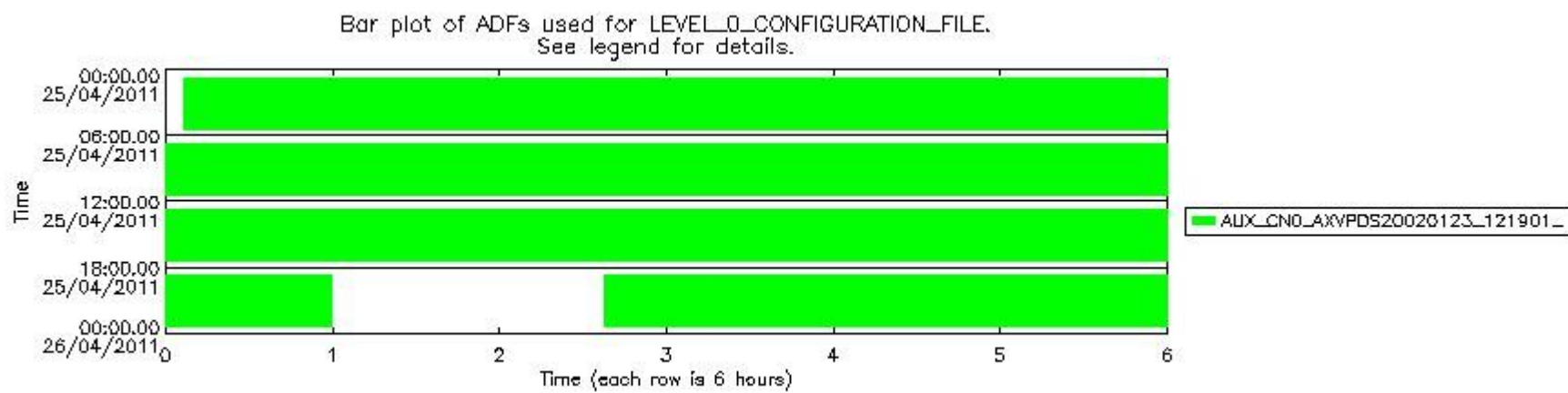
The use of ADFs is shown in two ways:

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.

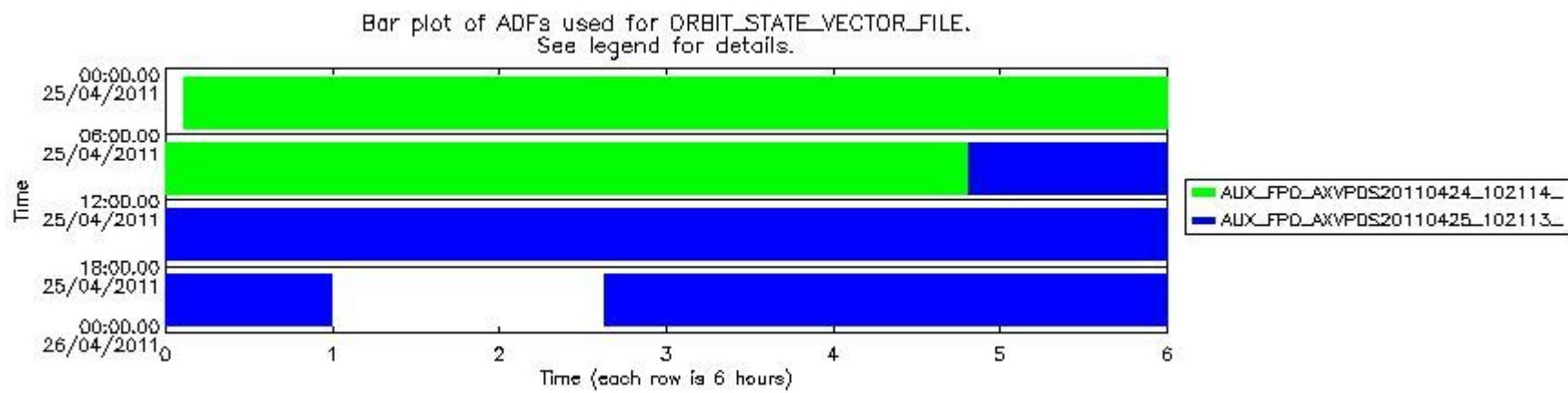
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110424_102114_20110423_195438_20110503_202812
2	AUX_FPO_AXVPDS20110425_102113_20110424_191754_20110504_213142

Number	Product name	#CN0	#FPO
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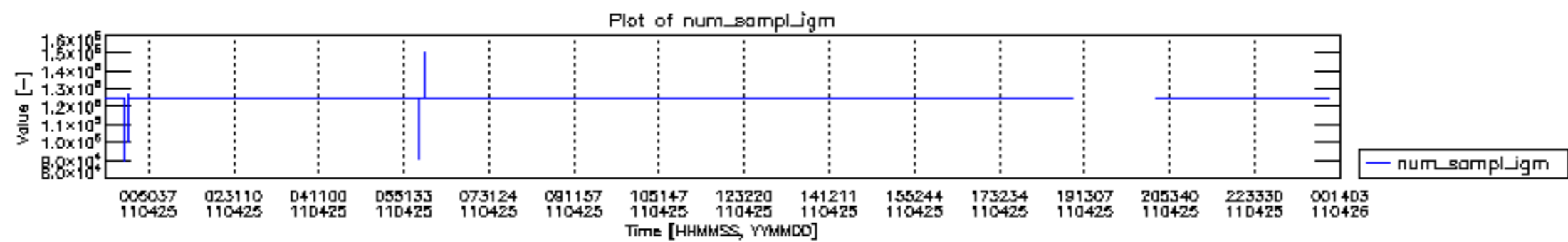
0	MIP_NL__0PNPDE20110425_000642_000059493101_00418_47846_3503.N1	0	1
1	MIP_NL__0PNPDE20110425_002620_000047713101_00419_47847_3507.N1	0	1
2	MIP_NL__0PNPDE20110425_014447_000044433101_00419_47847_3504.N1	0	1
3	MIP_NL__0PNPDE20110425_025817_000061483101_00420_47848_3505.N1	0	1
4	MIP_NL__0PNPDE20110425_044011_000060043101_00421_47849_3506.N1	0	1
5	MIP_NL__0PNPDK20110425_061942_000041203101_00422_47850_4946.N1	0	1
6	MIP_NL__0PNPDK20110425_072750_000061253101_00423_47851_4947.N1	0	1
7	MIP_NL__0PNPDK20110425_090913_000060193101_00424_47852_4948.N1	0	1
8	MIP_NL__0PNPDK20110425_104850_000059623101_00425_47853_4949.N1	0	2
9	MIP_NL__0PNPDK20110425_122728_000059503101_00426_47854_4951.N1	0	2
10	MIP_NL__0PNPDK20110425_140604_000058283101_00427_47855_4952.N1	0	2
11	MIP_NL__0PNPDK20110425_154143_000059353101_00428_47856_4953.N1	0	2
12	MIP_NL__0PNPDK20110425_171941_000060023101_00429_47857_4954.N1	0	2
13	MIP_NL__0PNPDE20110425_203802_000042533101_00431_47859_3508.N1	0	2
14	MIP_NL__0PNPDE20110425_214753_000062653101_00431_47859_3509.N1	0	2
15	MIP_NL__0PNPDE20110425_233122_000059963102_00001_47860_3510.N1	0	2

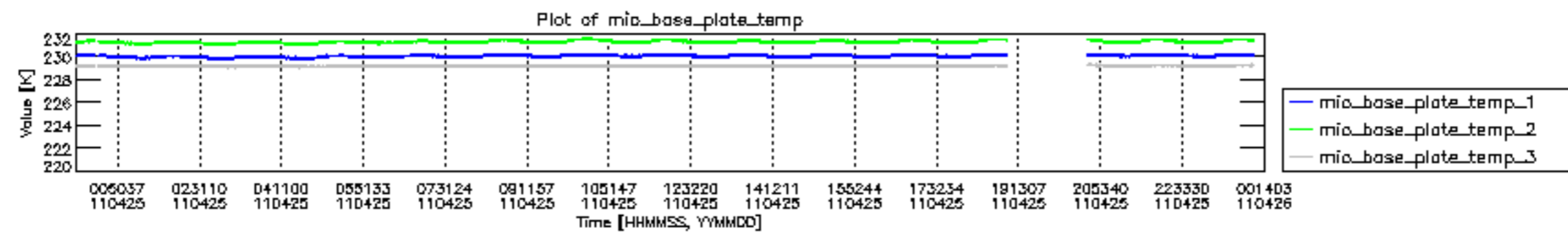


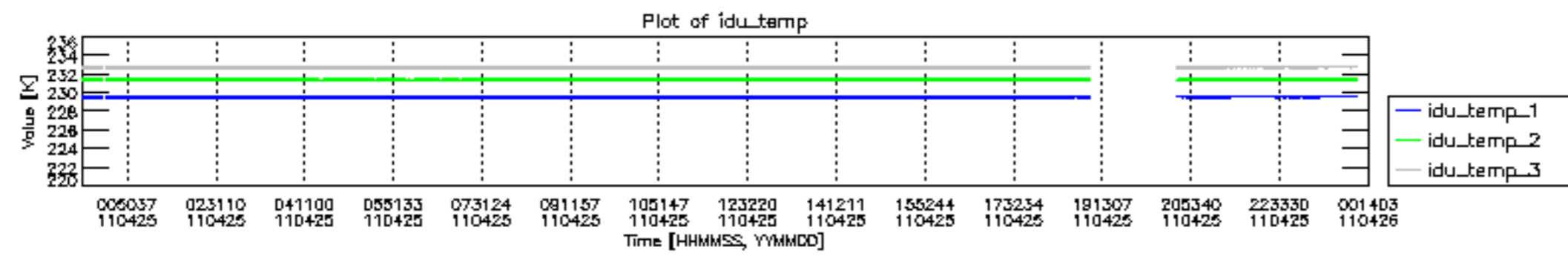
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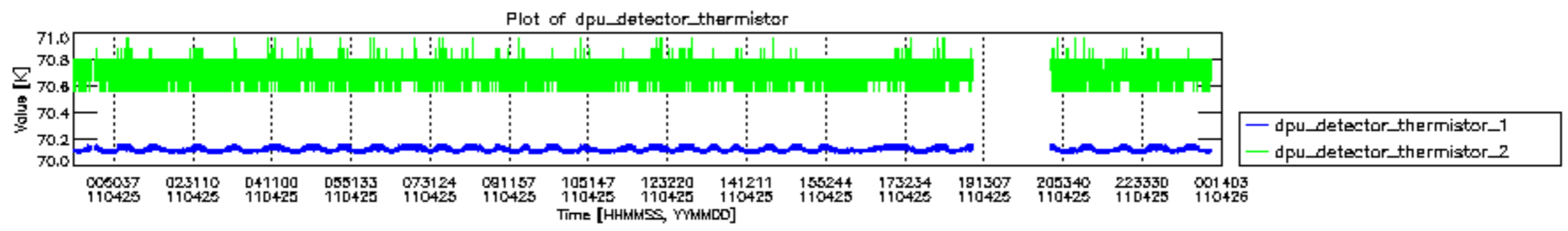


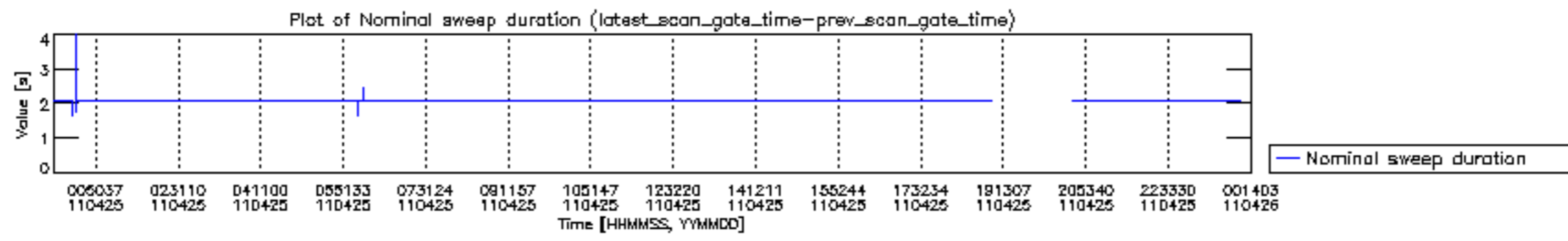
mipas_daily_report_level0_KSPT_L0_4504_N_20110425_13.PNG

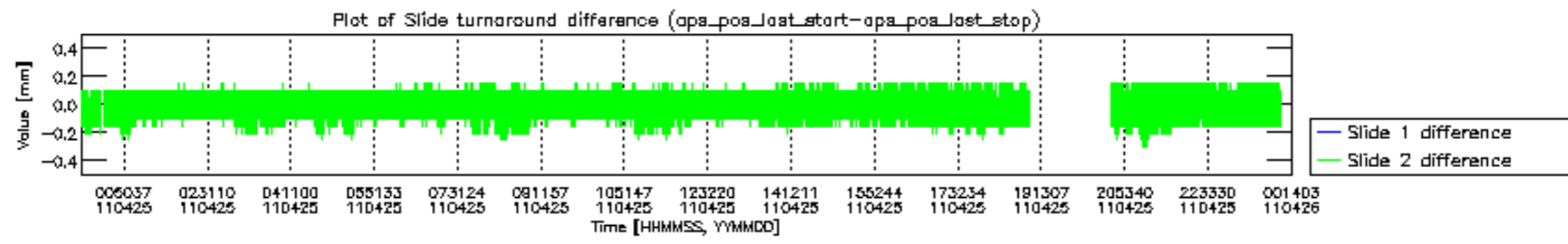


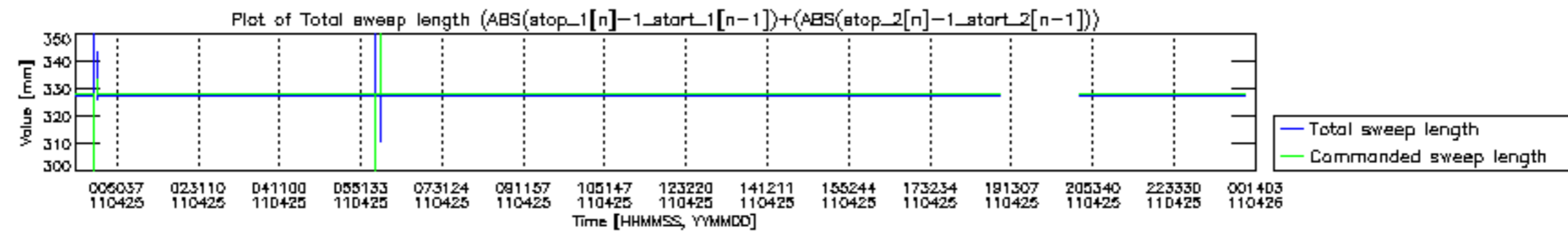


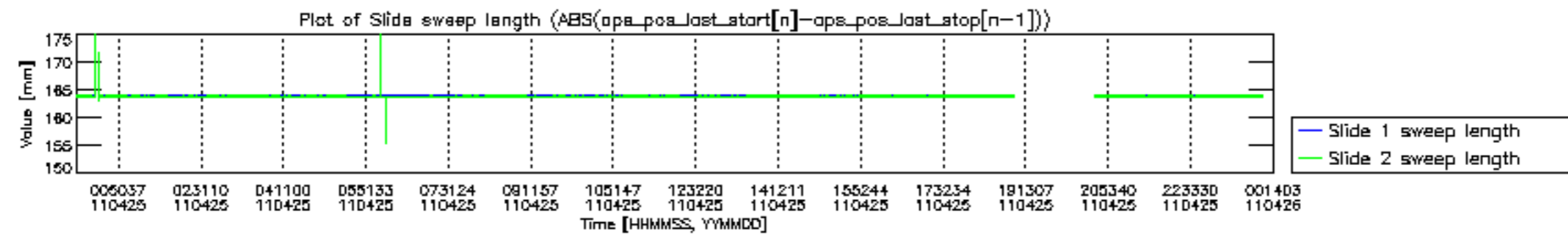


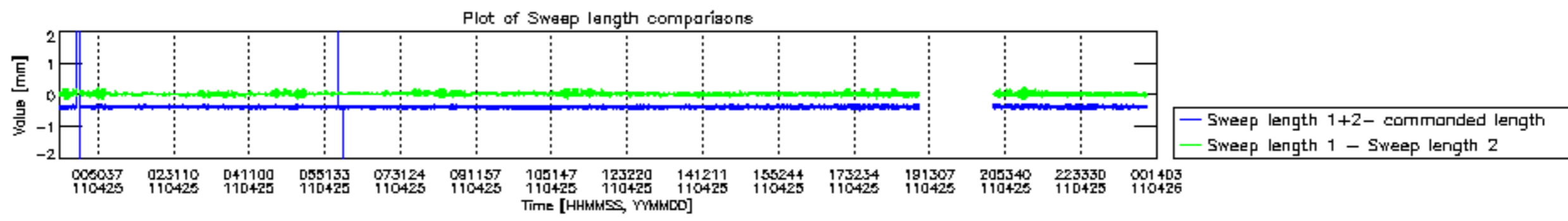


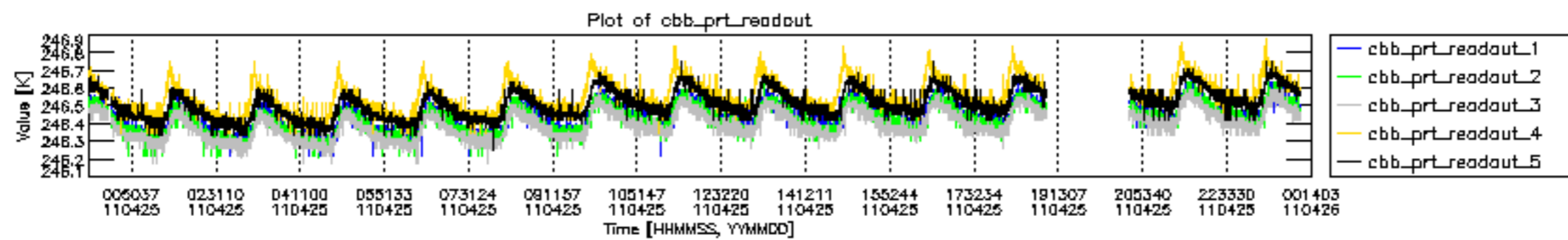


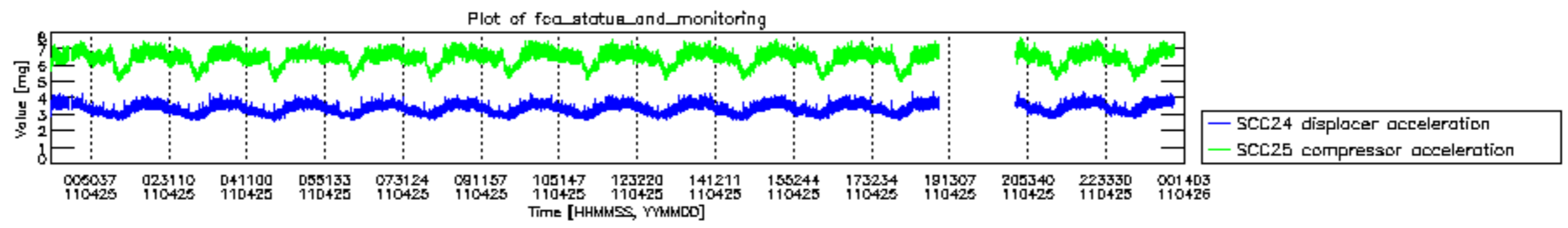












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

