

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	13SEP2011 05:23:45
Data source version	KSPT_L0/4504-N
Processing scope for products	08SEP2011 00:00:00 to 09SEP2011 00:00:00
Start time of first product within scope	08SEP2011 00:23:05
Stop time of last product within scope	08SEP2011 20:36:29
Total number of level 0 products	13
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__0PNPDE20110908_002305_000058583106_00217_49800_9603.N1	08SEP2011 00:23:05	08SEP2011 02:00:42	0	0	0	0	0
1	MIP_NL__0PNPDE20110908_015935_000044713106_00218_49801_9604.N1	08SEP2011 01:59:35	08SEP2011 03:14:06	0	0	0	0	0
2	MIP_NL__0PNPDE20110908_031330_000061333106_00219_49802_9605.N1	08SEP2011 03:13:30	08SEP2011 04:55:44	0	0	0	0	0
3	MIP_NL__0PNPDE20110908_045508_000060003106_00220_49803_9606.N1	08SEP2011 04:55:08	08SEP2011 06:35:08	0	0	0	0	0
4	MIP_NL__0PNPDK20110908_063430_000041363106_00221_49804_6265.N1	08SEP2011 06:34:30	08SEP2011 07:43:27	0	0	0	0	0
5	MIP_NL__0PNPDK20110908_074251_000060973106_00222_49805_6266.N1	08SEP2011 07:42:51	08SEP2011 09:24:29	0	0	0	0	0
6	MIP_NL__0PNPDK20110908_092339_000059393106_00223_49806_6267.N1	08SEP2011 09:23:39	08SEP2011 11:02:38	0	0	0	0	0
7	MIP_NL__0PNPDK20110908_110148_000060313106_00224_49807_6268.N1	08SEP2011 11:01:48	08SEP2011 12:42:19	0	0	0	0	0
8	MIP_NL__0PNPDK20110908_124143_000059223106_00225_49808_6269.N1	08SEP2011 12:41:43	08SEP2011 14:20:26	0	0	0	0	0
9	MIP_NL__0PNPDK20110908_141900_000059293106_00226_49809_6270.N1	08SEP2011 14:19:00	08SEP2011 15:57:49	0	0	0	0	0
10	MIP_NL__0PNPDK20110908_155552_000060003106_00227_49810_6271.N1	08SEP2011 15:55:52	08SEP2011 17:35:51	0	0	0	0	0
11	MIP_NL__0PNPDK20110908_173444_000059313106_00228_49811_6272.N1	08SEP2011 17:34:44	08SEP2011 19:13:35	0	0	0	0	0
12	MIP_NL__0PNPDK20110908_191228_000050413106_00229_49812_6273.N1	08SEP2011 19:12:28	08SEP2011 20:36:29	0	0	0	0	0

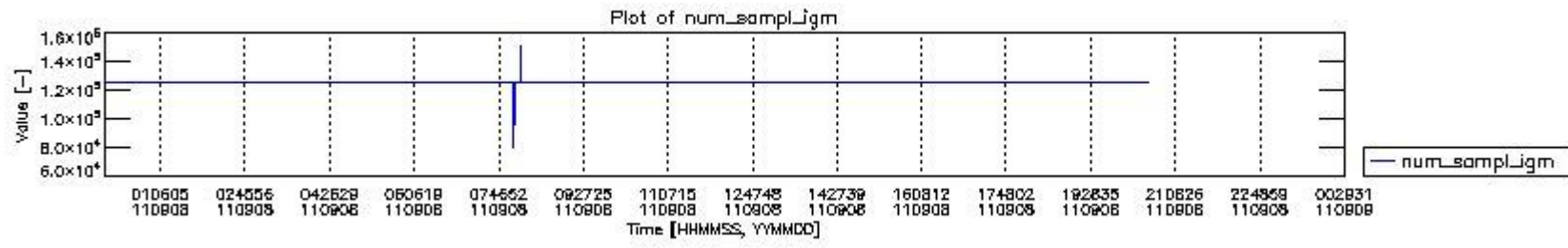
0.2 Instrument Operational Performance Parameters

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.

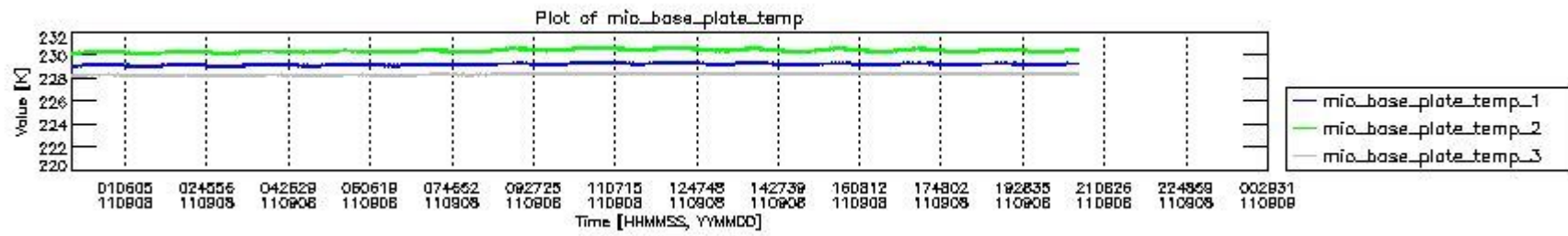
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
79770	1	0.0027965770
92219	1	0.0027965770
112351	1	0.0027965770
124800	33217	92.893898
124803	2535	7.0893227

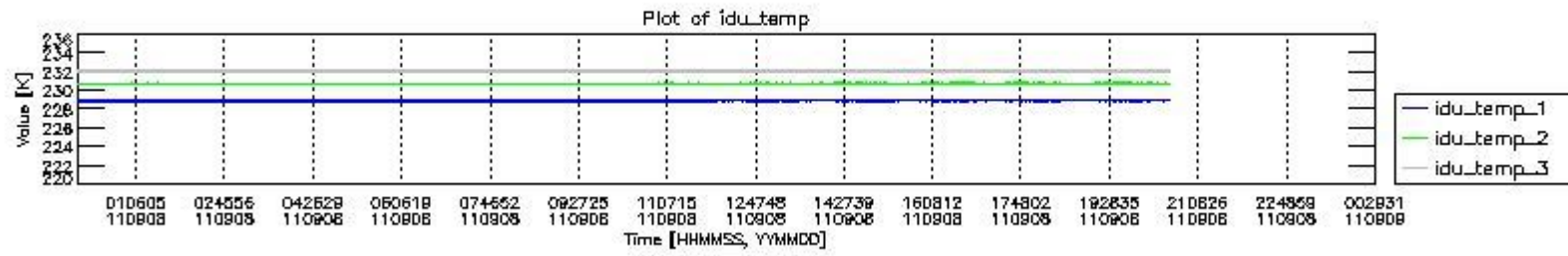
127456	1	0.0027965770
147588	1	0.0027965770
150244	1	0.0027965770



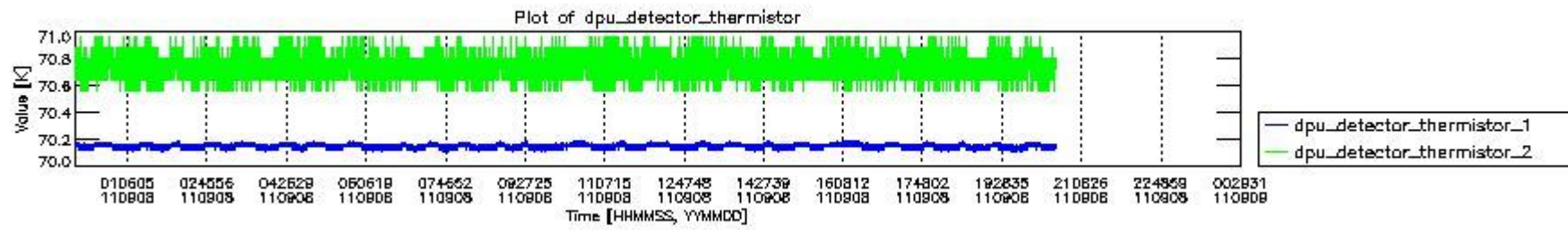
mipas_daily_report_level0_KSPT_L0_4504_N_20110908_0.PNG



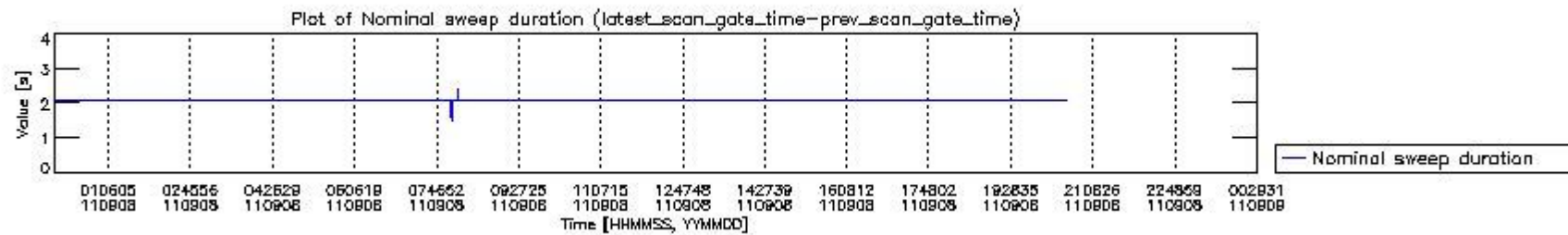
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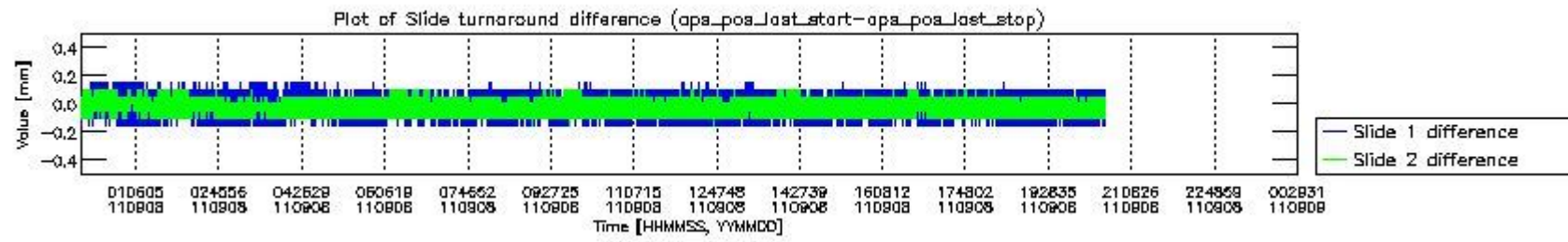
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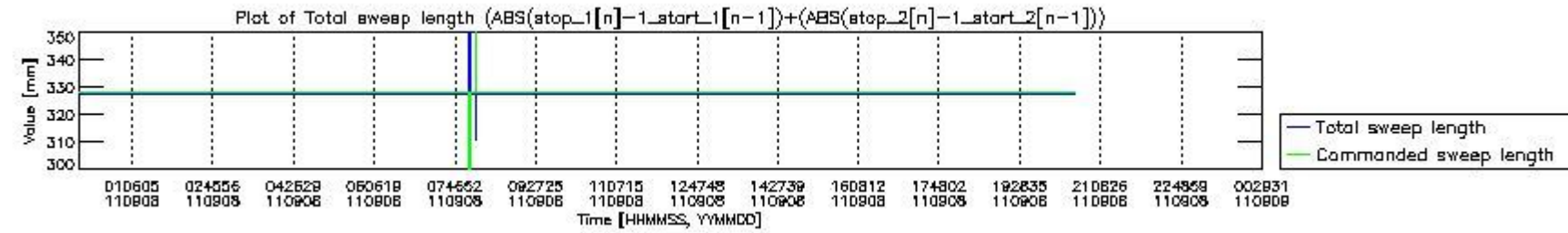
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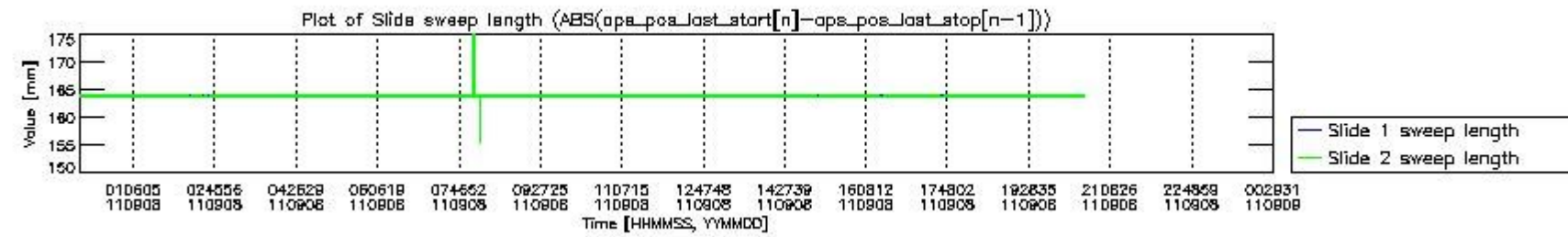
mipas_daily_report_level0_KSPT_L0_4504_N_20110908_4.PNG



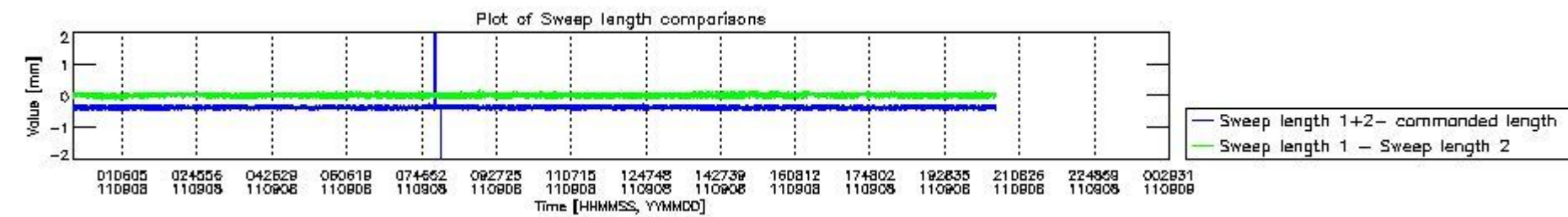
mipas_daily_report_level0_KSPT_L0_4504_N_20110908_5.PNG



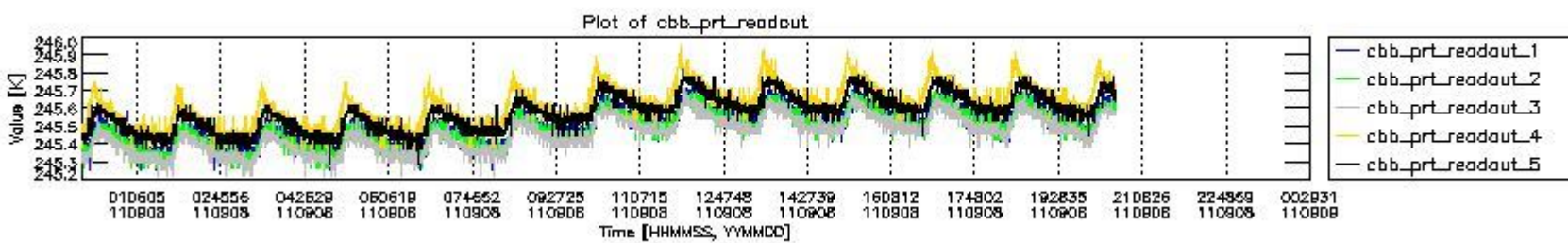
mipas_daily_report_level0_KSPT_L0_4504_N_20110908_6.PNG



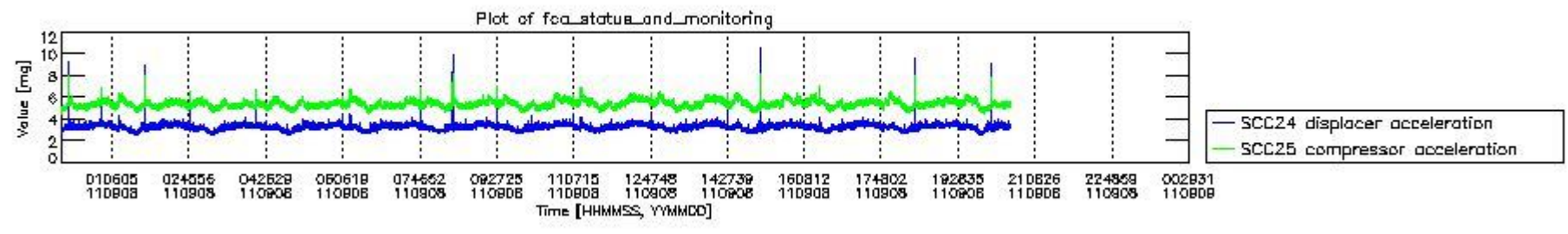
mipas_daily_report_level0_KSPT_L0_4504_N_20110908_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110908_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110908_9.PNG

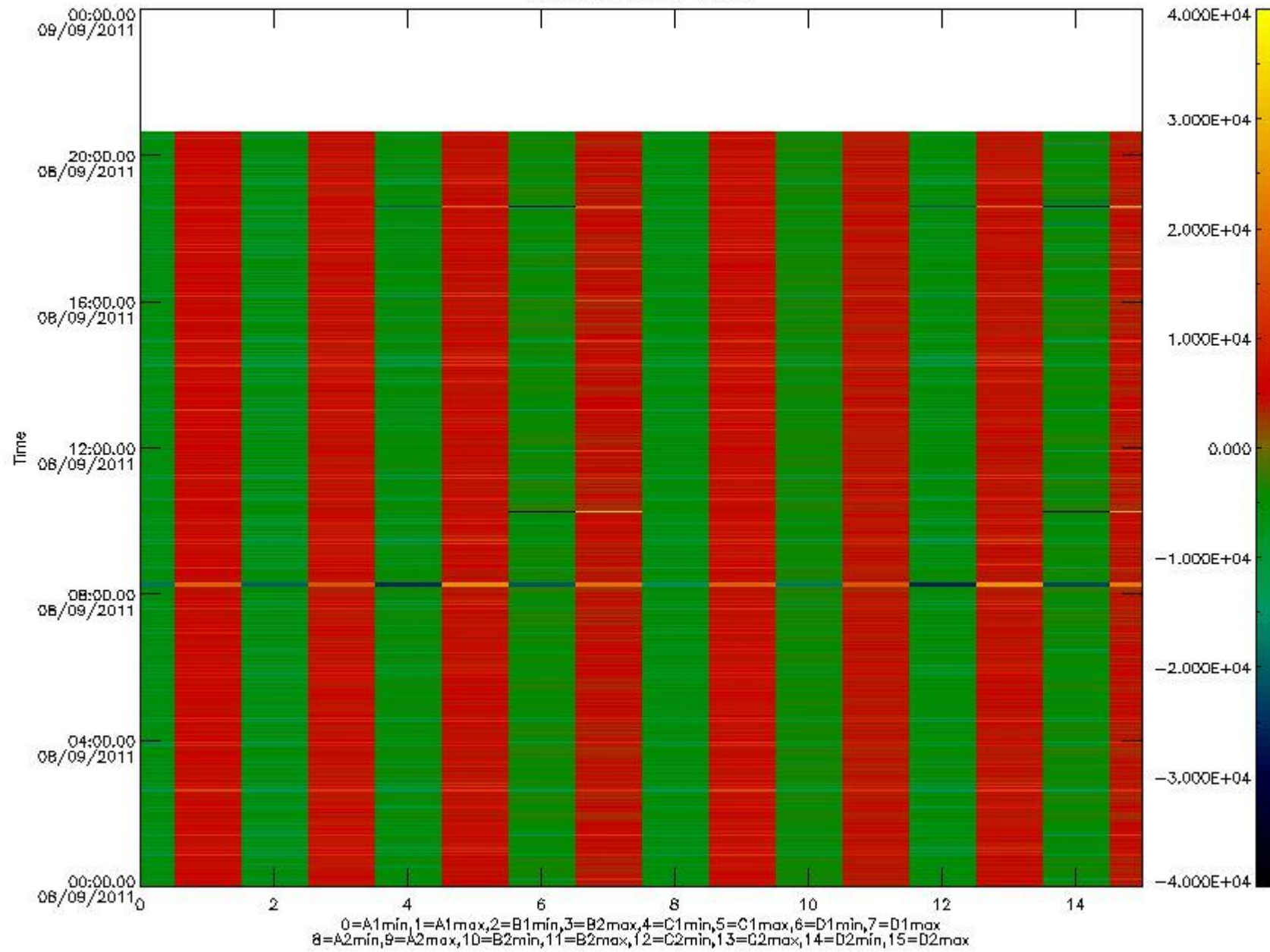


mipas_daily_report_level0_KSPT_L0_4504_N_20110908_10.PNG

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

Channel	Min	Max	ADC
A1	-18070	19137	16bit
B1	-20460	17631	16bit
C1	-28539	28525	16bit
D1	-32768	32767	16bit
A2	-15711	19351	16bit
B2	-18706	18393	16bit
C2	-29929	29889	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_20110908_11.PNG

0.3 ADF monitoring

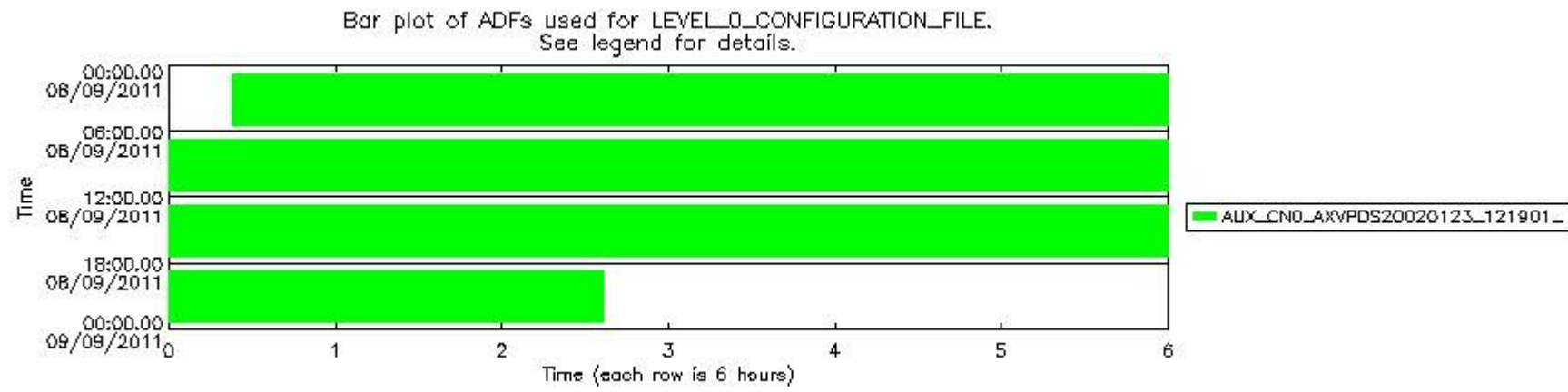
The use of ADFs is shown in two ways:

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.

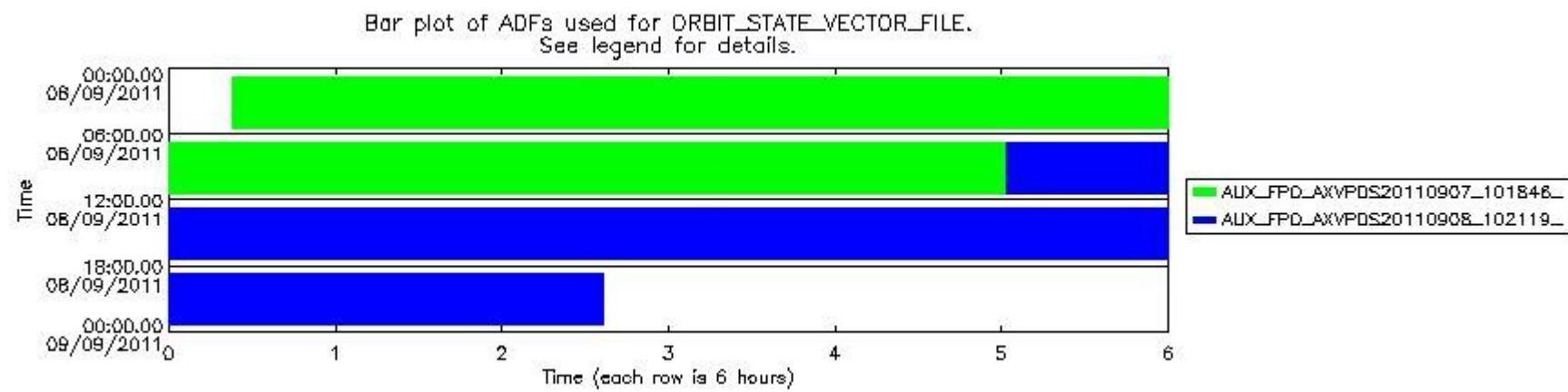
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110907_101846_20110906_182945_20110916_204330
2	AUX_FPO_AXVPDS20110908_102119_20110908_085506_20110918_110851

Number	Product name	#CN0	#FPO
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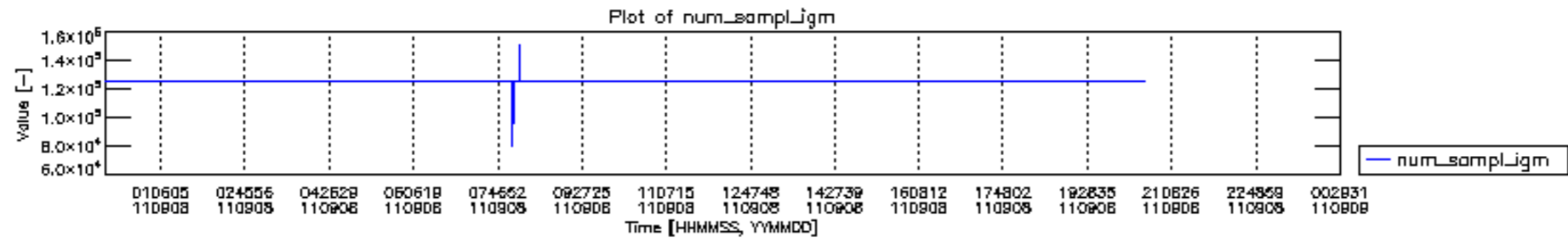
0	MIP_NL__0PNPDE20110908_002305_000058583106_00217_49800_9603.N1	0	1
1	MIP_NL__0PNPDE20110908_015935_000044713106_00218_49801_9604.N1	0	1
2	MIP_NL__0PNPDE20110908_031330_000061333106_00219_49802_9605.N1	0	1
3	MIP_NL__0PNPDE20110908_045508_000060003106_00220_49803_9606.N1	0	1
4	MIP_NL__0PNPDK20110908_063430_000041363106_00221_49804_6265.N1	0	1
5	MIP_NL__0PNPDK20110908_074251_000060973106_00222_49805_6266.N1	0	1
6	MIP_NL__0PNPDK20110908_092339_000059393106_00223_49806_6267.N1	0	1
7	MIP_NL__0PNPDK20110908_110148_000060313106_00224_49807_6268.N1	0	2
8	MIP_NL__0PNPDK20110908_124143_000059223106_00225_49808_6269.N1	0	2
9	MIP_NL__0PNPDK20110908_141900_000059293106_00226_49809_6270.N1	0	2
10	MIP_NL__0PNPDK20110908_155552_000060003106_00227_49810_6271.N1	0	2
11	MIP_NL__0PNPDK20110908_173444_000059313106_00228_49811_6272.N1	0	2
12	MIP_NL__0PNPDK20110908_191228_000050413106_00229_49812_6273.N1	0	2

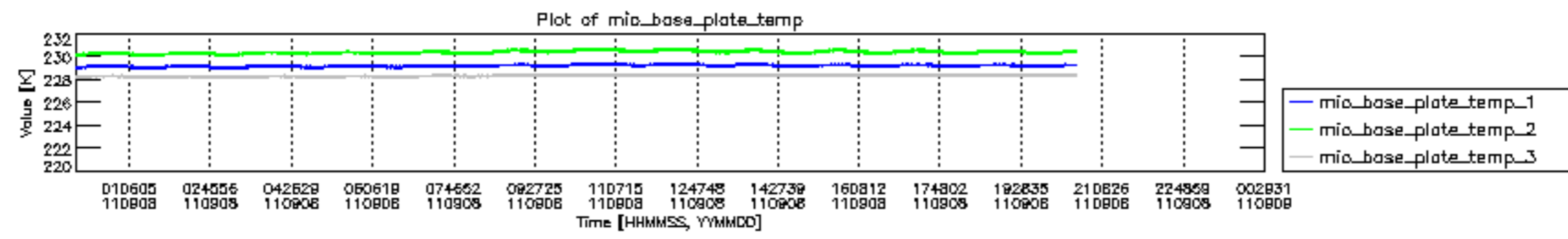


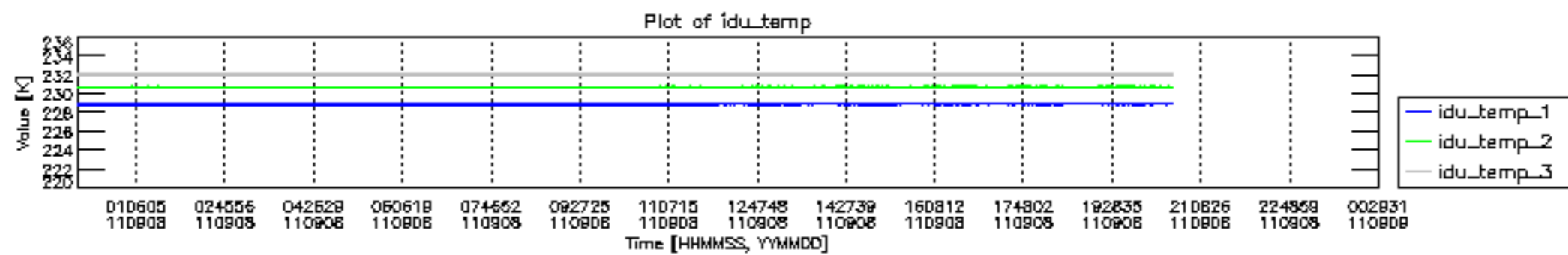
mipas_daily_report_level0_KSPT_L0_4504_N_20110908_12.PNG

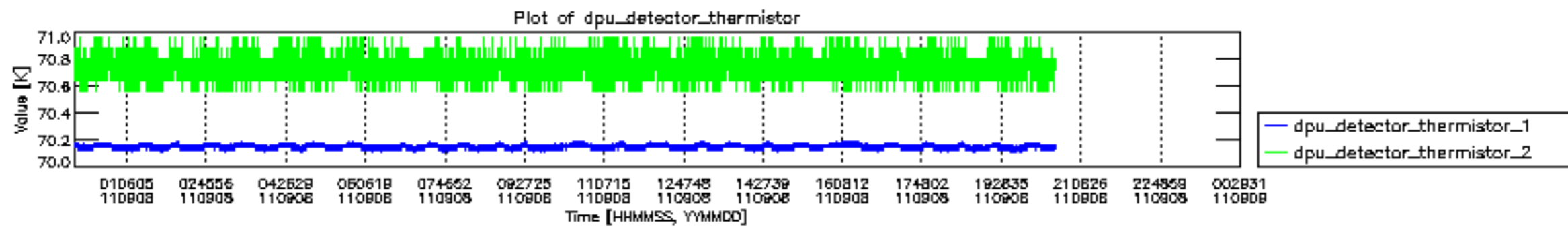


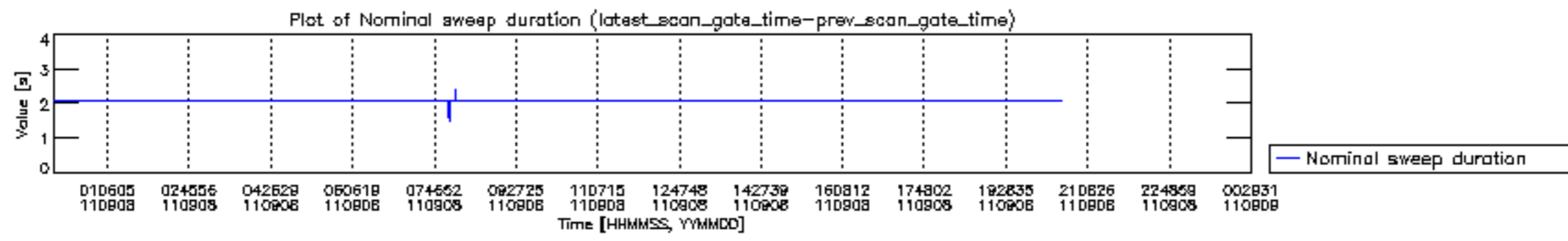
mipas_daily_report_level0_KSPT_L0_4504_N_20110908_13.PNG

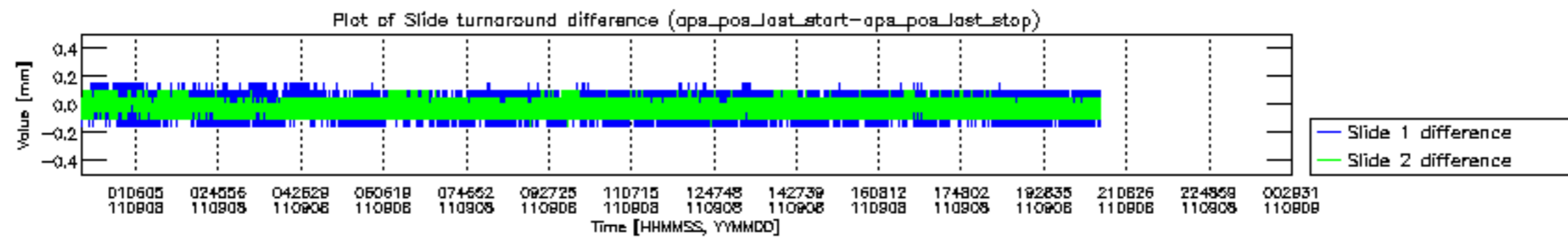


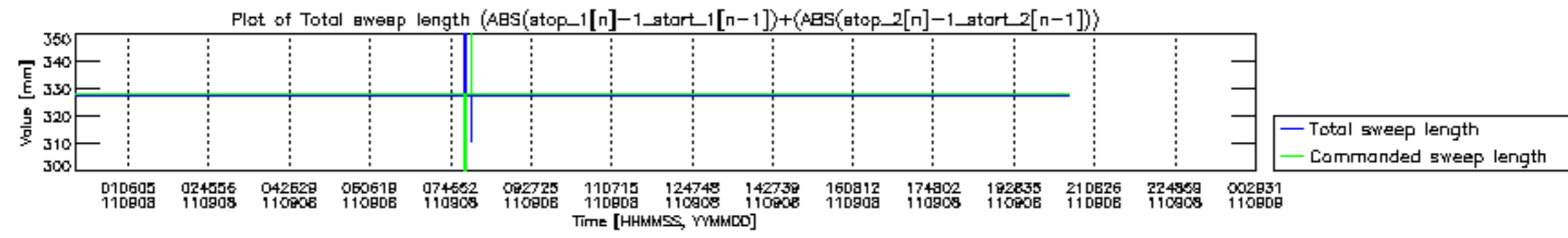


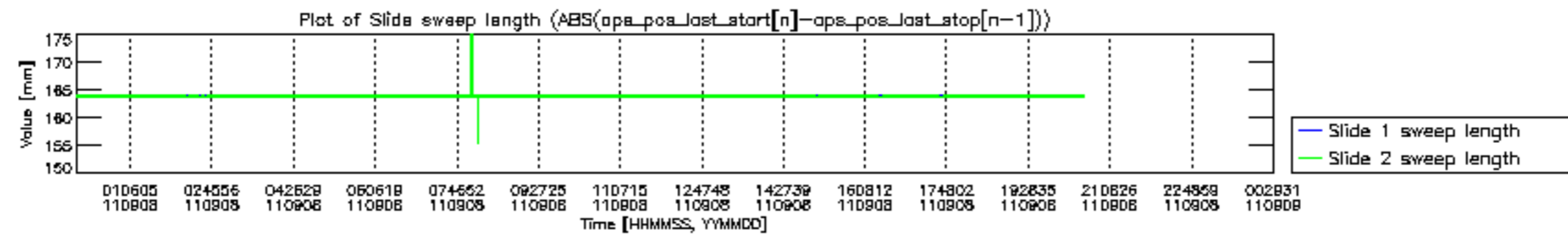


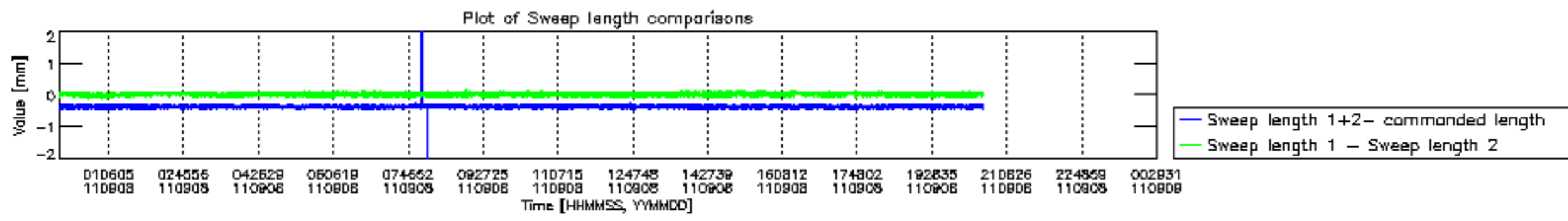


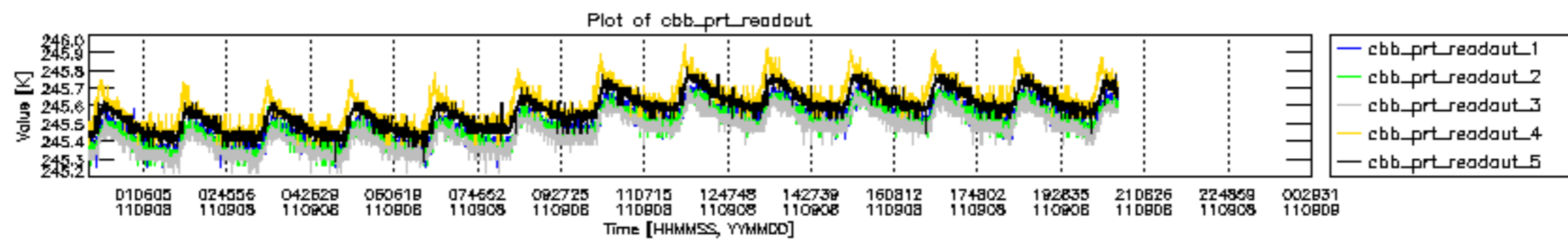


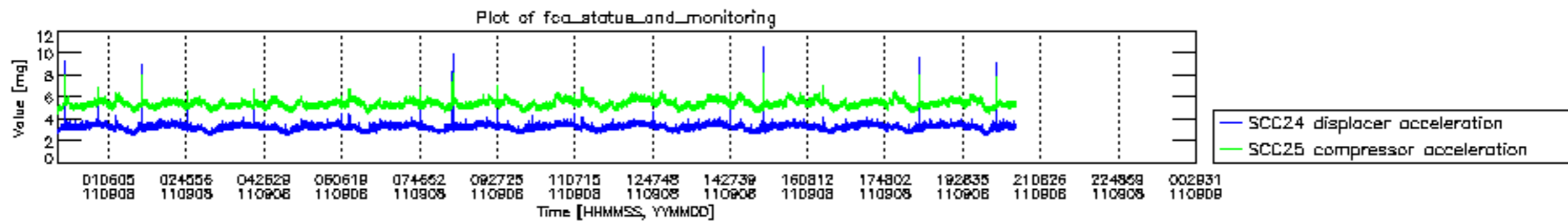












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

