

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	20SEP2011 05:24:06
Data source version	KSPT_L0/4504-N
Processing scope for products	15SEP2011 00:00:00 to 16SEP2011 00:00:00
Start time of first product within scope	15SEP2011 01:06:00
Stop time of last product within scope	16SEP2011 00:29:24
Total number of level 0 products	15
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__OPNPDE20110915_010600_000102363106_00318_49901_9639.N1	15SEP2011 01:06:00	15SEP2011 03:56:36	0	0	0	0	0
1	MIP_NL__OPNPDE20110915_014837_000076793106_00319_49902_4471.N1	15SEP2011 01:48:37	15SEP2011 03:56:36	0	0	0	0	0
2	MIP_NL__OPNPDE20110915_035602_000062023106_00320_49903_9640.N1	15SEP2011 03:56:02	15SEP2011 05:39:25	0	0	0	0	0
3	MIP_NL__OPNPDE20110915_053851_000060643106_00321_49904_9641.N1	15SEP2011 05:38:51	15SEP2011 07:19:56	0	0	0	0	0
4	MIP_NL__OPNPDK20110915_071922_000040593106_00322_49905_6318.N1	15SEP2011 07:19:22	15SEP2011 08:27:01	0	0	0	0	0
5	MIP_NL__OPNPDK20110915_082628_000061023106_00323_49906_6319.N1	15SEP2011 08:26:28	15SEP2011 10:08:10	0	0	0	0	0
6	MIP_NL__OPNPDK20110915_100726_000059603106_00324_49907_6320.N1	15SEP2011 10:07:26	15SEP2011 11:46:46	0	0	0	0	0
7	MIP_NL__OPNPDK20110915_114602_000059543106_00325_49908_6321.N1	15SEP2011 11:46:02	15SEP2011 13:25:16	0	0	0	0	0
8	MIP_NL__OPNPDK20110915_132436_000059163106_00326_49909_6322.N1	15SEP2011 13:24:36	15SEP2011 15:03:12	0	0	0	0	0
9	MIP_NL__OPNPDK20110915_150138_000059493106_00327_49910_6323.N1	15SEP2011 15:01:38	15SEP2011 16:40:48	0	0	0	0	0
10	MIP_NL__OPNPDK20110915_163939_000059203106_00328_49911_6324.N1	15SEP2011 16:39:39	15SEP2011 18:18:19	0	0	0	0	0
11	MIP_NL__OPNPDK20110915_181723_000059493106_00329_49912_6325.N1	15SEP2011 18:17:23	15SEP2011 19:56:32	0	0	0	0	0
12	MIP_NL__OPNPDE20110915_195502_000042033106_00330_49913_9642.N1	15SEP2011 19:55:02	15SEP2011 21:05:05	0	0	0	0	0
13	MIP_NL__OPNPDE20110915_210335_000063323106_00330_49913_9643.N1	15SEP2011 21:03:35	15SEP2011 22:49:07	0	0	0	0	0
14	MIP_NL__OPNPDE20110915_224807_000060773106_00331_49914_9644.N1	15SEP2011 22:48:07	16SEP2011 00:29:24	0	0	0	0	0

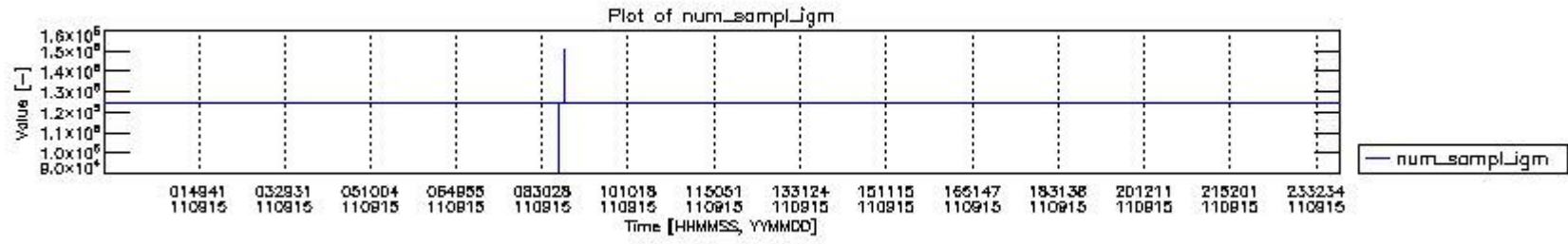
0.2 Instrument Operational Performance Parameters

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.

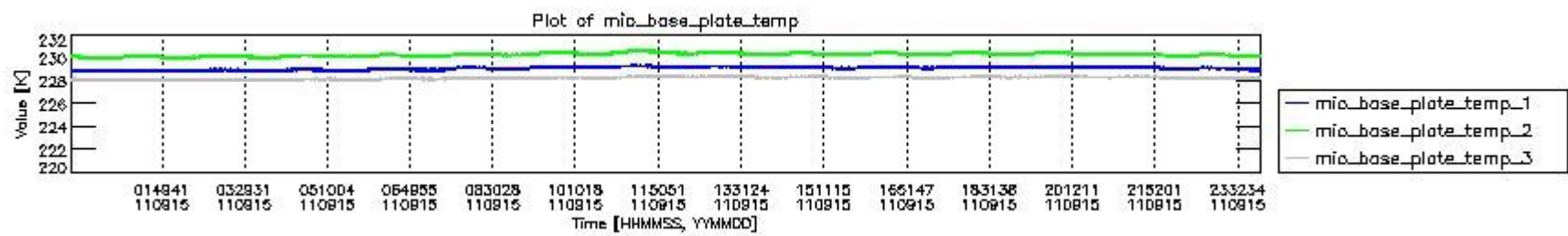
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
90920	1	0.0024030374
97794	1	0.0024030374
117926	1	0.0024030374

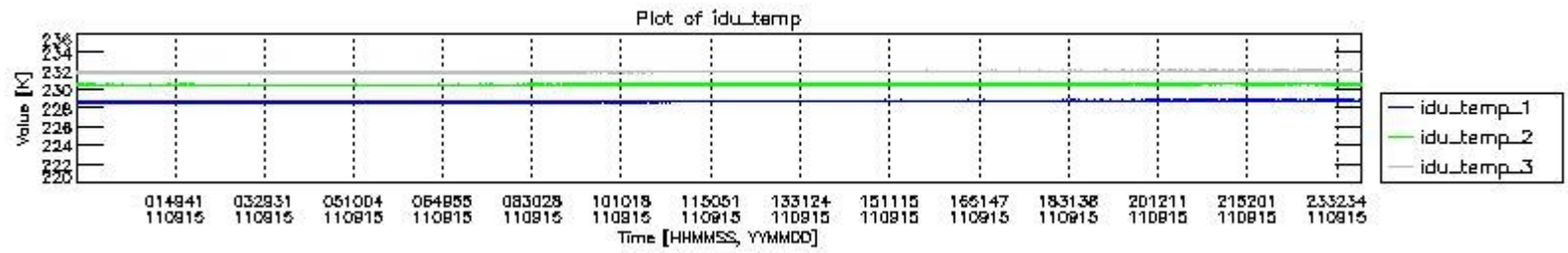
124800	38656	92.891815
124803	2952	7.0937665
127531	1	0.0024030374
147663	1	0.0024030374
150394	1	0.0024030374



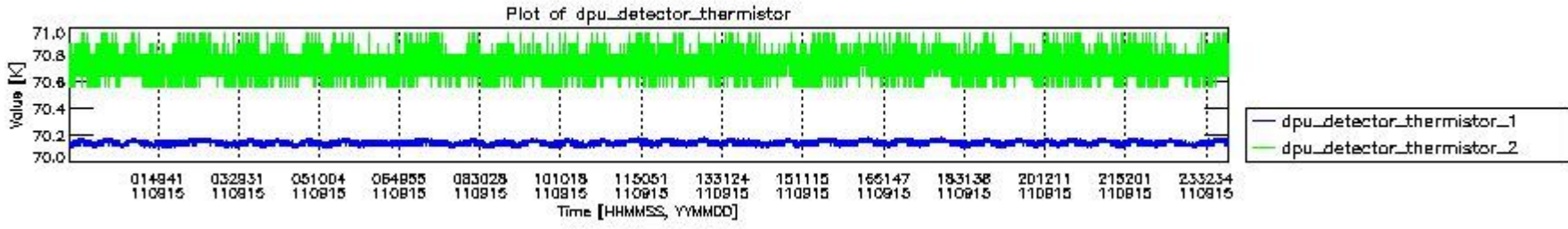
mipas_daily_report_level0_KSPT_L0_4504_N_20110915_0.PNG



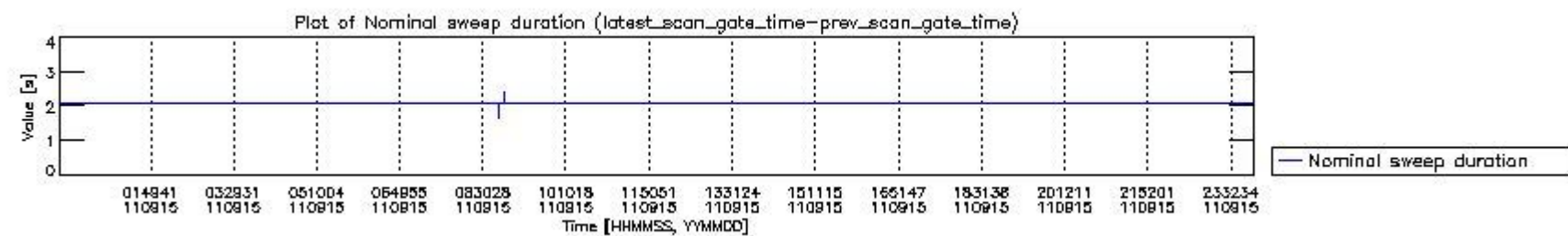
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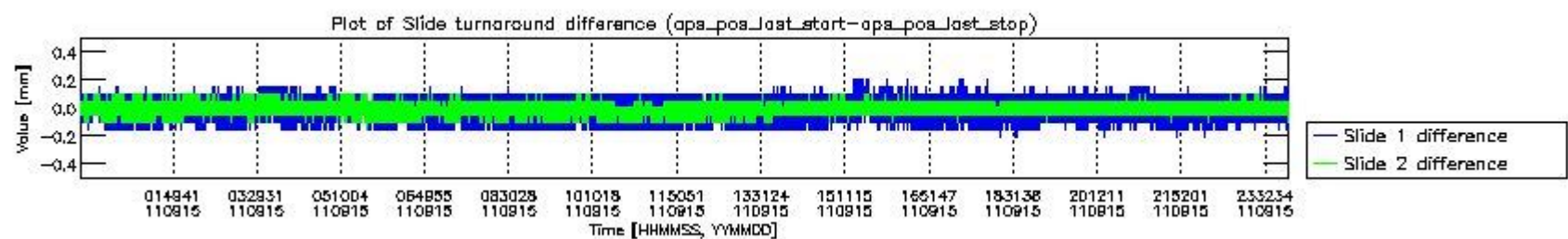
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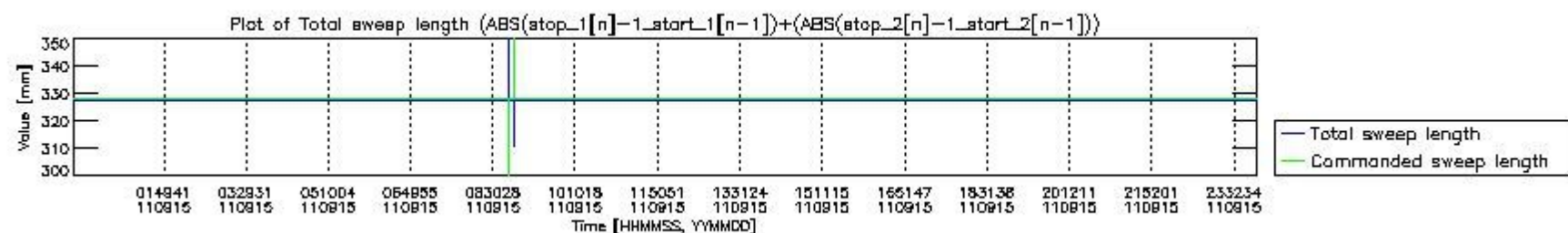
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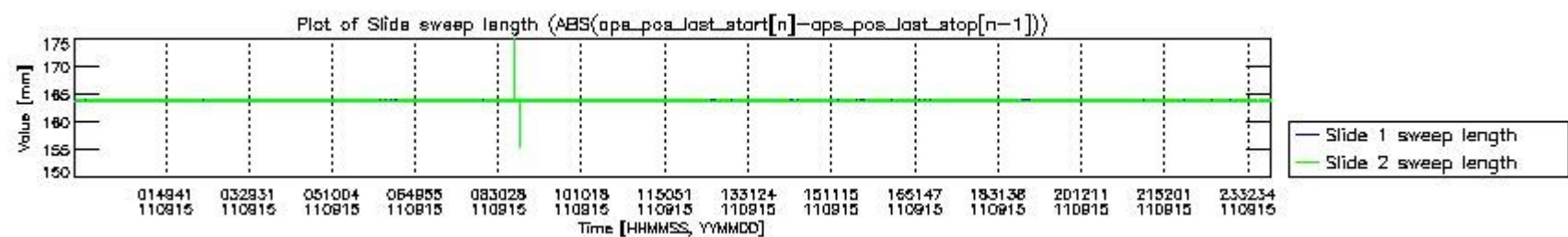
mipas_daily_report_level0_KSPT_L0_4504_N_20110915_4.PNG



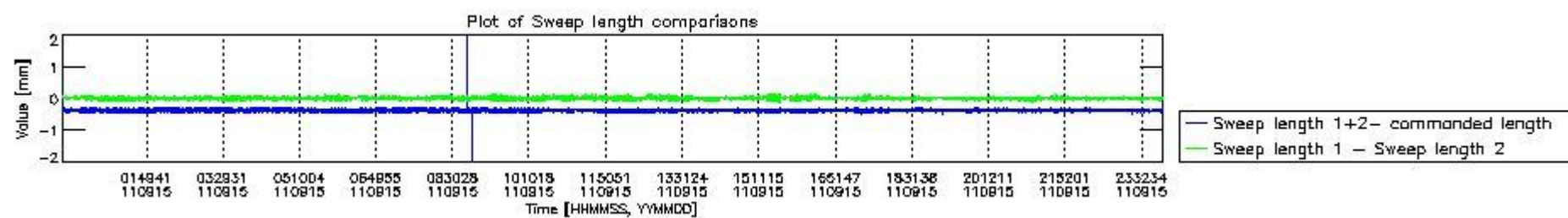
mipas_daily_report_level0_KSPT_L0_4504_N_20110915_5.PNG



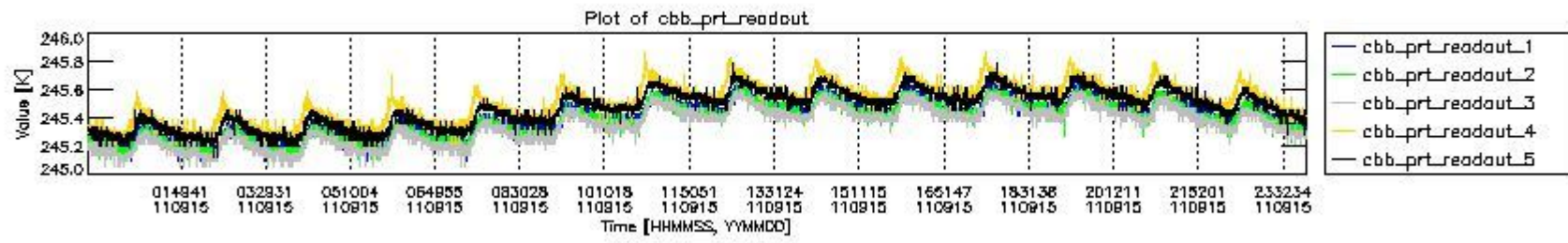
mipas_daily_report_level0_KSPT_L0_4504_N_20110915_6.PNG



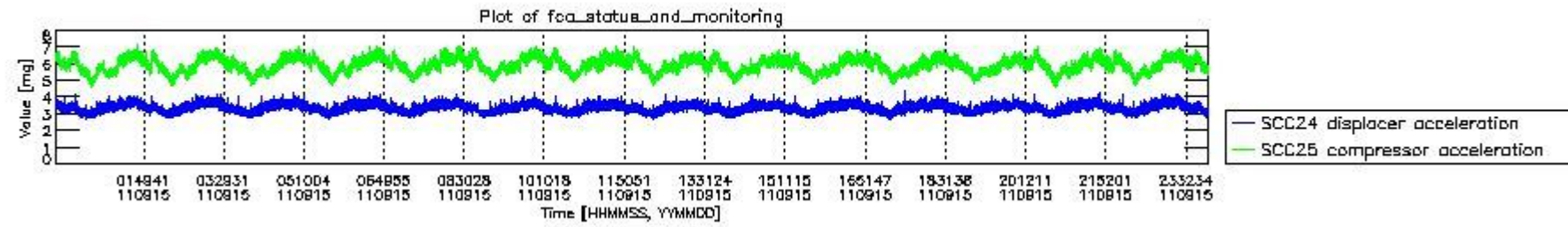
mipas_daily_report_level0_KSPT_L0_4504_N_20110915_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110915_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110915_9.PNG

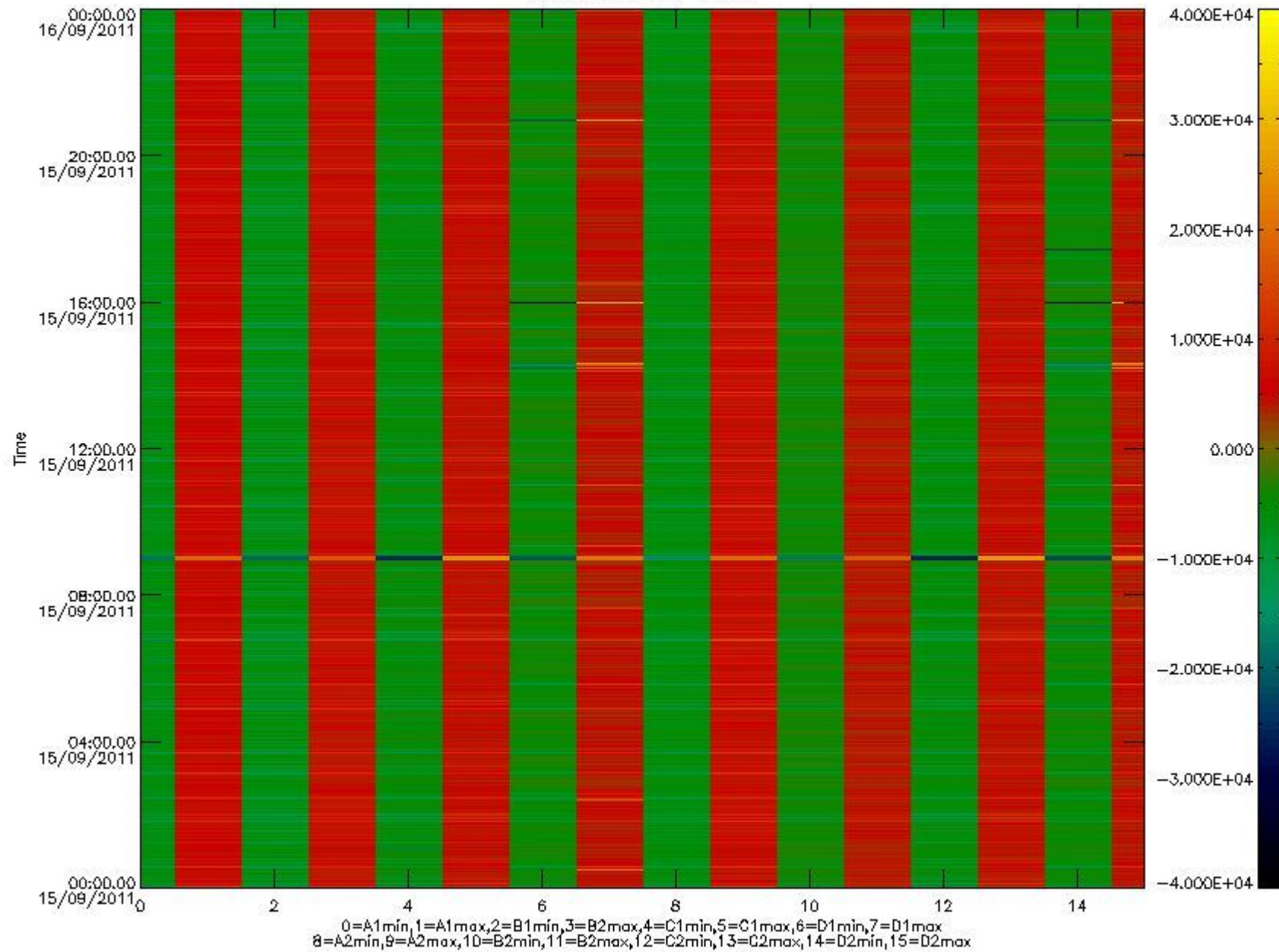


mipas_daily_report_level0_KSPT_L0_4504_N_20110915_10.PNG

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

Channel	Min	Max	ADC
A1	-18234	19359	16bit
B1	-20557	17686	16bit
C1	-25447	27406	16bit
D1	-32768	32767	16bit
A2	-15840	19583	16bit
B2	-18334	18032	16bit
C2	-26529	26114	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110915_11.PNG

0.3 ADF monitoring

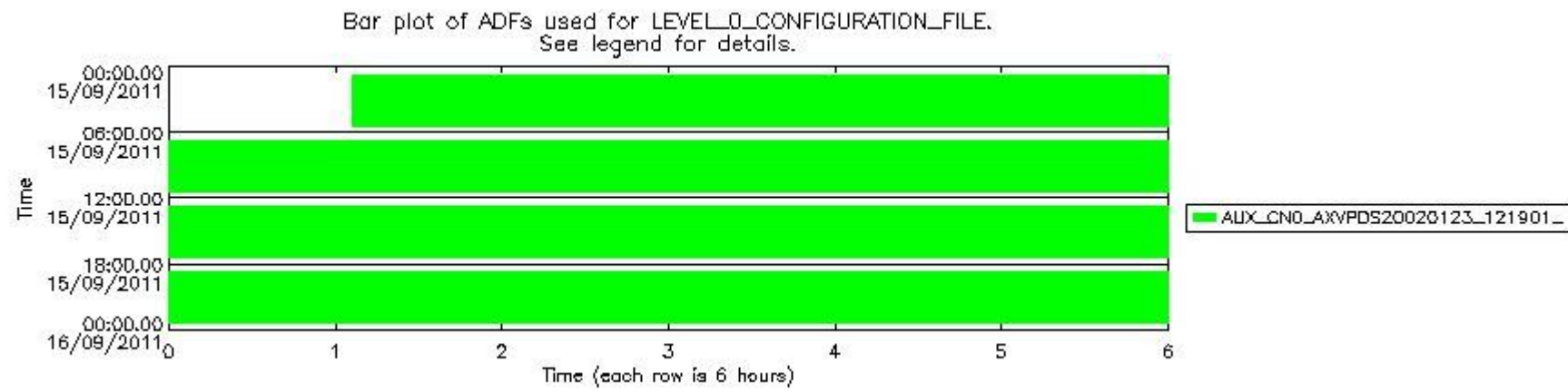
The use of ADFs is shown in two ways:

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.

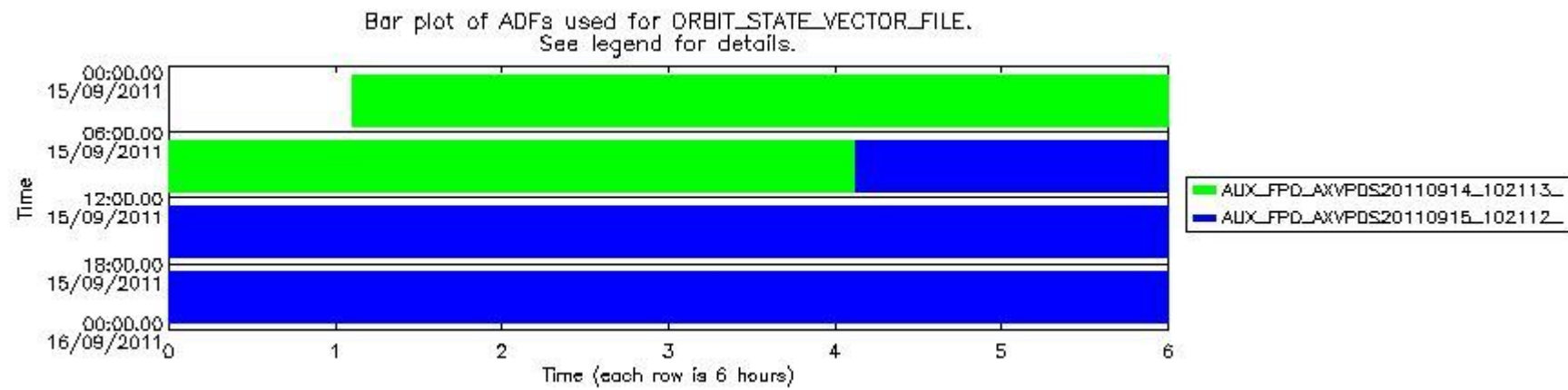
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110914_102113_20110913_191316_20110923_212700
2	AUX_FPO_AXVPDS20110915_102112_20110914_183631_20110924_205015

Number	Product name	#CN0	#FPO
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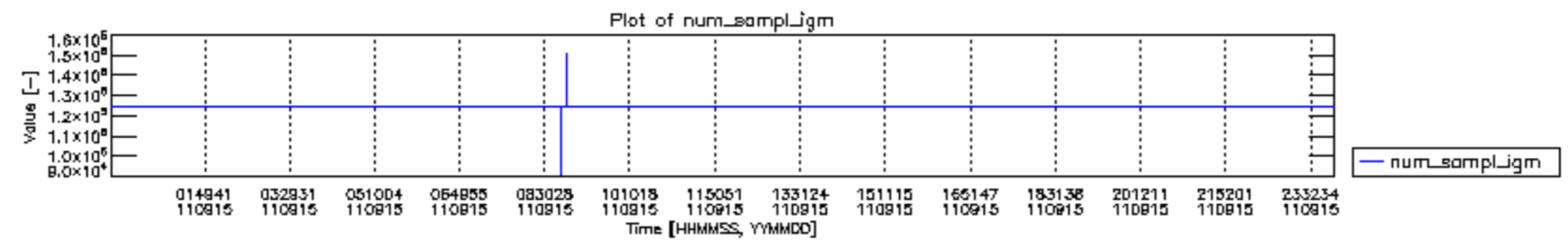
0	MIP_NL__0PNPDE20110915_010600_000102363106_00318_49901_9639.N1	0	1
1	MIP_NL__0PNPDE20110915_014837_000076793106_00319_49902_4471.N1	0	1
2	MIP_NL__0PNPDE20110915_035602_000062023106_00320_49903_9640.N1	0	1
3	MIP_NL__0PNPDE20110915_053851_000060643106_00321_49904_9641.N1	0	1
4	MIP_NL__0PNPDK20110915_071922_000040593106_00322_49905_6318.N1	0	1
5	MIP_NL__0PNPDK20110915_082628_000061023106_00323_49906_6319.N1	0	1
6	MIP_NL__0PNPDK20110915_100726_000059603106_00324_49907_6320.N1	0	2
7	MIP_NL__0PNPDK20110915_114602_000059543106_00325_49908_6321.N1	0	2
8	MIP_NL__0PNPDK20110915_132436_000059163106_00326_49909_6322.N1	0	2
9	MIP_NL__0PNPDK20110915_150138_000059493106_00327_49910_6323.N1	0	2
10	MIP_NL__0PNPDK20110915_163939_000059203106_00328_49911_6324.N1	0	2
11	MIP_NL__0PNPDK20110915_181723_000059493106_00329_49912_6325.N1	0	2
12	MIP_NL__0PNPDE20110915_195502_000042033106_00330_49913_9642.N1	0	2
13	MIP_NL__0PNPDE20110915_210335_000063323106_00330_49913_9643.N1	0	2
14	MIP_NL__0PNPDE20110915_224807_000060773106_00331_49914_9644.N1	0	2

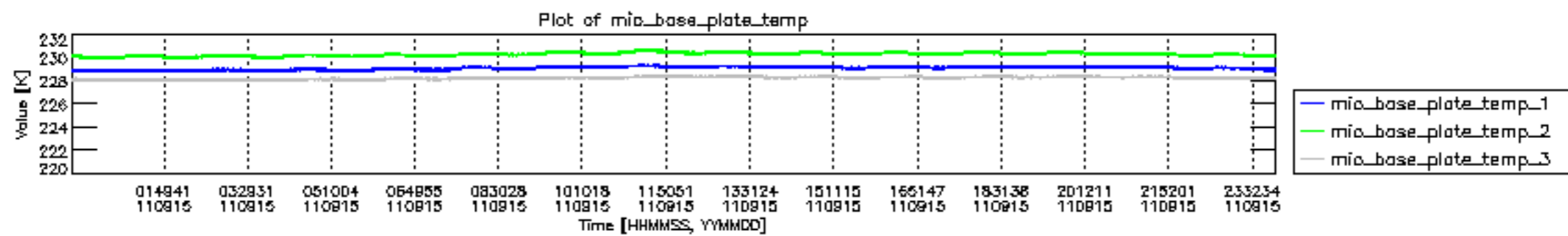


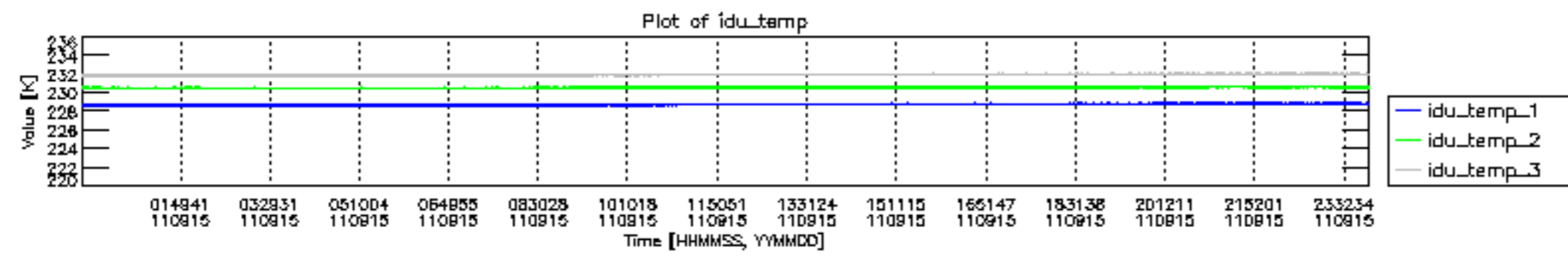
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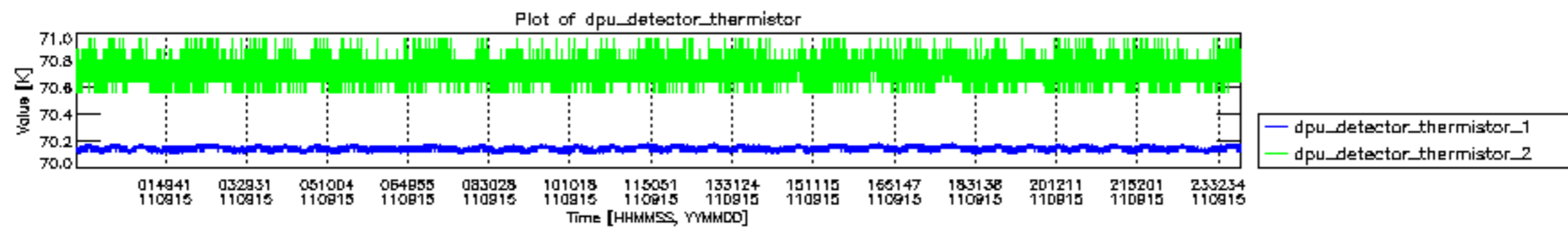


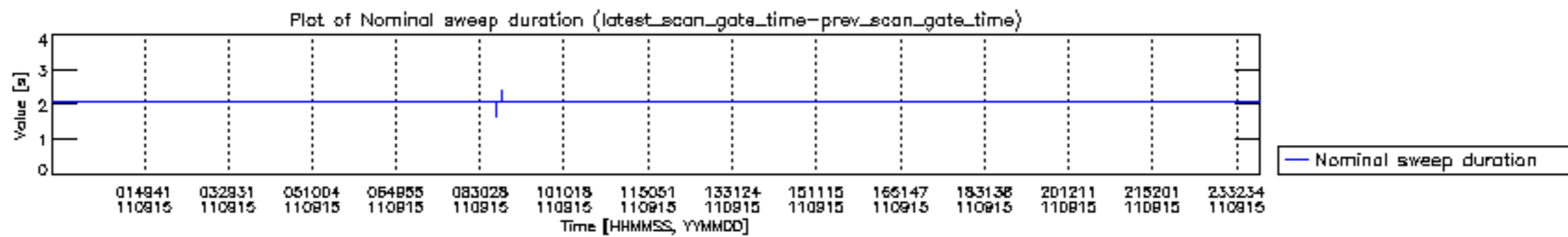
mipas_daily_report_level0_KSPT_L0_4504_N_20110915_13.PNG

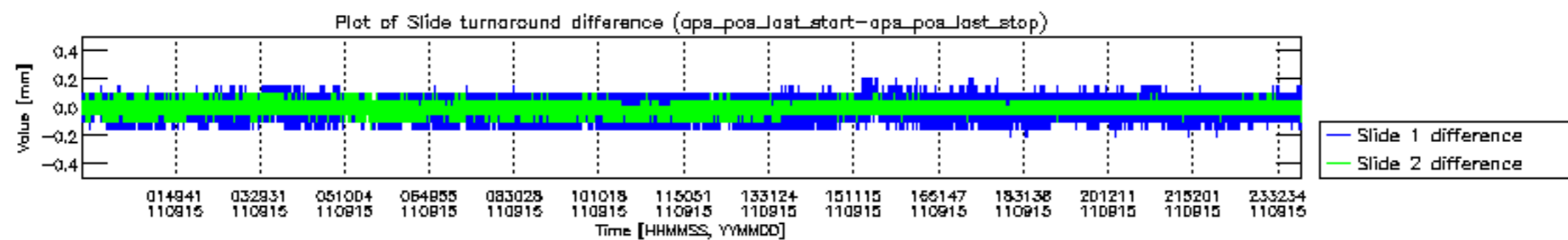


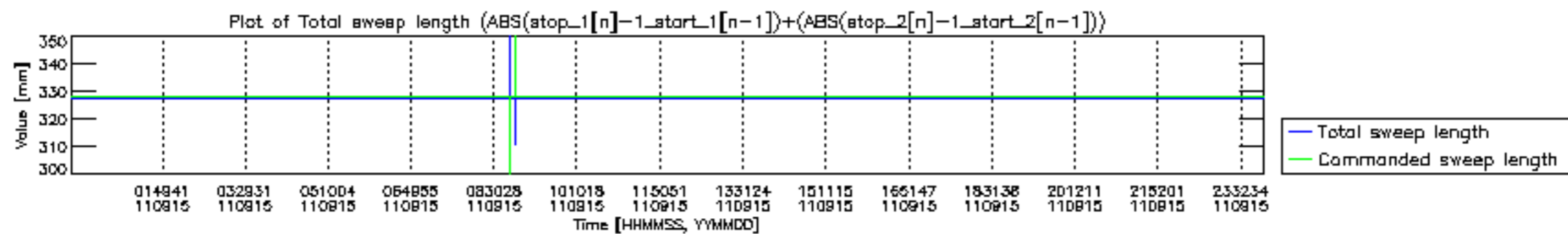


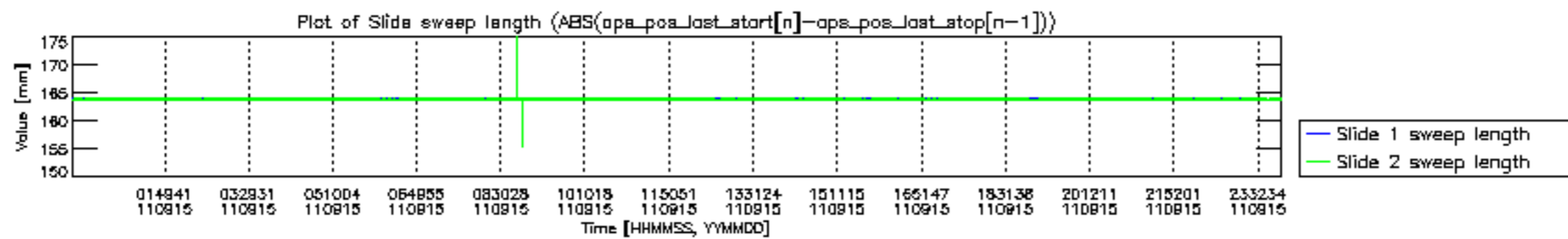


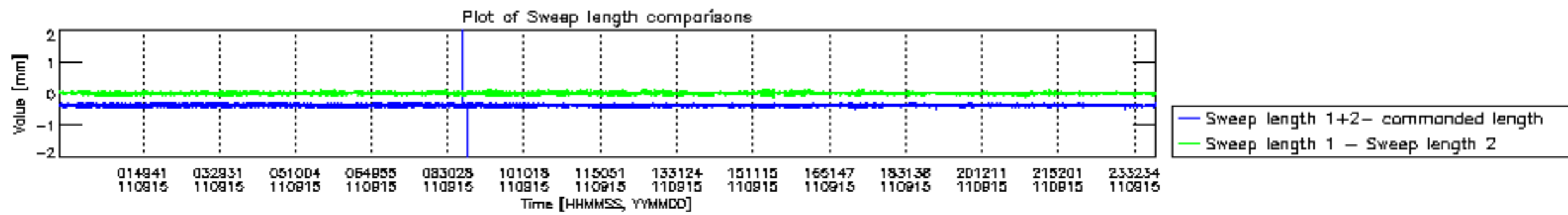


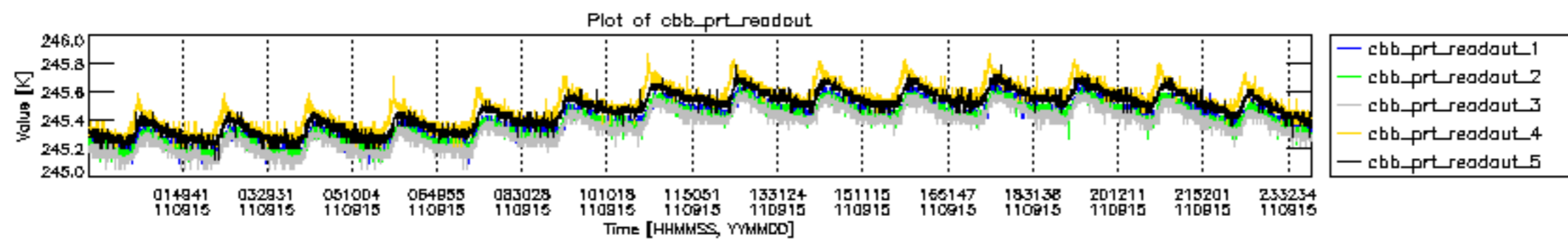


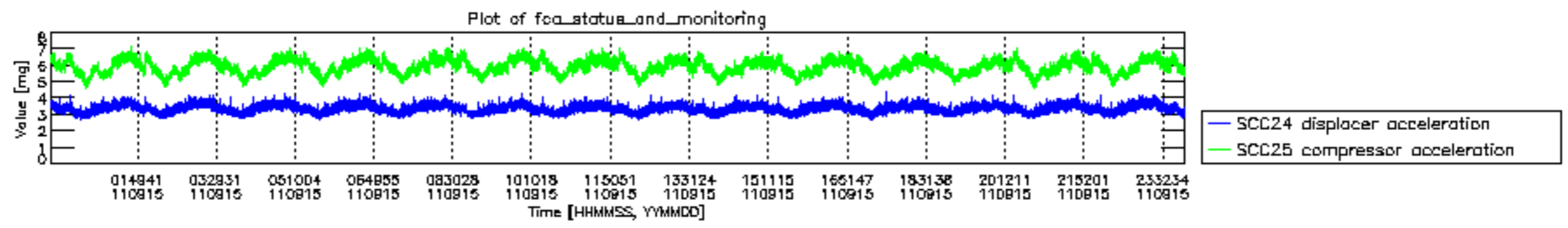












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

