

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	17MAR2011 05:23:13
Data source version	KSPT_L0/4504-N
Processing scope for products	12MAR2011 00:00:00 to 13MAR2011 00:00:00
Start time of first product within scope	12MAR2011 00:19:29
Stop time of last product within scope	13MAR2011 01:22:57
Total number of level 0 products	16
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__0PNPDE20110312_001929_000059623100_00217_47214_3091.N1	12MAR2011 00:19:29	12MAR2011 01:58:51	0	0	0	0	0
1	MIP_NL__0PNPDE20110312_015746_000044043100_00218_47215_3092.N1	12MAR2011 01:57:46	12MAR2011 03:11:10	0	0	0	0	0
2	MIP_NL__0PNPDE20110312_031036_000061733100_00219_47216_3093.N1	12MAR2011 03:10:36	12MAR2011 04:53:29	0	0	0	0	0
3	MIP_NL__0PNPDE20110312_045255_000060003100_00220_47217_3094.N1	12MAR2011 04:52:55	12MAR2011 06:32:55	0	0	0	0	0
4	MIP_NL__0PNPDK20110312_063222_000041183100_00221_47218_4539.N1	12MAR2011 06:32:22	12MAR2011 07:40:59	0	0	0	0	0
5	MIP_NL__0PNPDK20110312_074026_000061043100_00222_47219_4540.N1	12MAR2011 07:40:26	12MAR2011 09:22:10	0	0	0	0	0
6	MIP_NL__0PNPDK20110312_092126_000059853100_00223_47220_4541.N1	12MAR2011 09:21:26	12MAR2011 11:01:11	0	0	0	0	0
7	MIP_NL__0PNPDK20110312_110021_000060423100_00224_47221_4542.N1	12MAR2011 11:00:21	12MAR2011 12:41:03	0	0	0	0	0
8	MIP_NL__0PNPDK20110312_124023_000059083100_00225_47222_4543.N1	12MAR2011 12:40:23	12MAR2011 14:18:51	0	0	0	0	0
9	MIP_NL__0PNPDK20110312_141756_000058333100_00226_47223_4544.N1	12MAR2011 14:17:56	12MAR2011 15:55:09	0	0	0	0	0
10	MIP_NL__0PNPDK20110312_155413_000058913100_00227_47224_4545.N1	12MAR2011 15:54:13	12MAR2011 17:32:24	0	0	0	0	0
11	MIP_NL__0PNPDK20110312_173123_000059873100_00228_47225_4546.N1	12MAR2011 17:31:23	12MAR2011 19:11:10	0	0	0	0	0
12	MIP_NL__0PNPDK20110312_190947_000060813100_00229_47226_4547.N1	12MAR2011 19:09:47	12MAR2011 20:51:08	0	0	0	0	0
13	MIP_NL__0PNPDE20110312_205022_000043853100_00230_47227_3095.N1	12MAR2011 20:50:22	12MAR2011 22:03:27	0	0	0	0	0
14	MIP_NL__0PNPDE20110312_220226_000061173100_00230_47227_3096.N1	12MAR2011 22:02:26	12MAR2011 23:44:23	0	0	0	0	0
15	MIP_NL__0PNPDE20110312_234320_000059773100_00231_47228_3097.N1	12MAR2011 23:43:20	13MAR2011 01:22:57	0	0	0	0	0

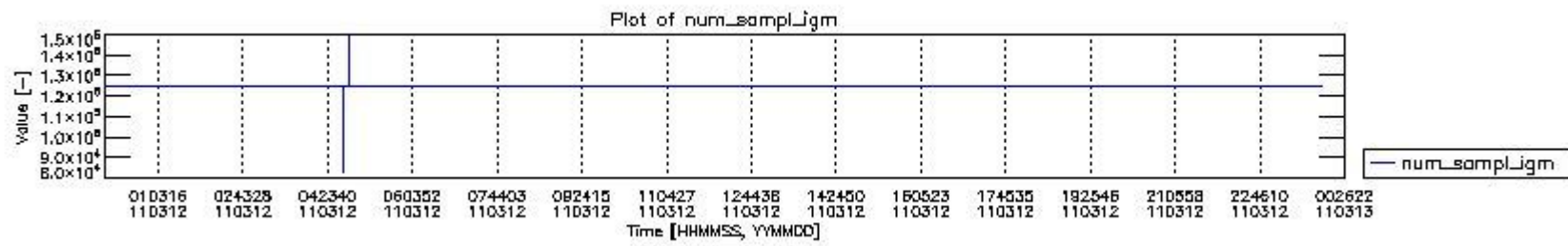
0.2 Instrument Operational Performance Parameters

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.

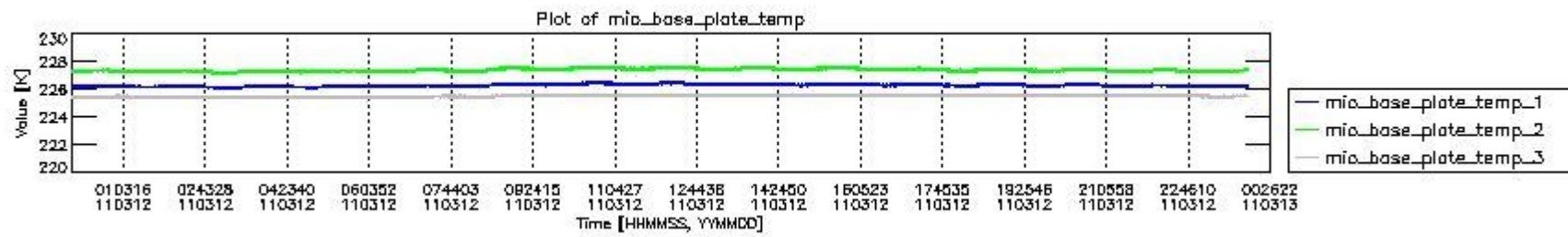
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
82446	1	0.0024024601
93557	1	0.0024024601

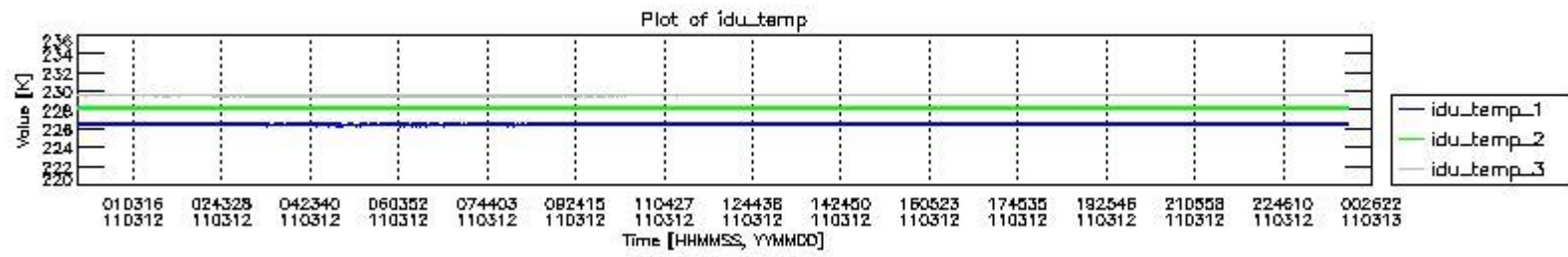
113689	1	0.0024024601
124800	38664	92.888718
124803	2954	7.0968672
126936	1	0.0024024601
147068	1	0.0024024601
149204	1	0.0024024601



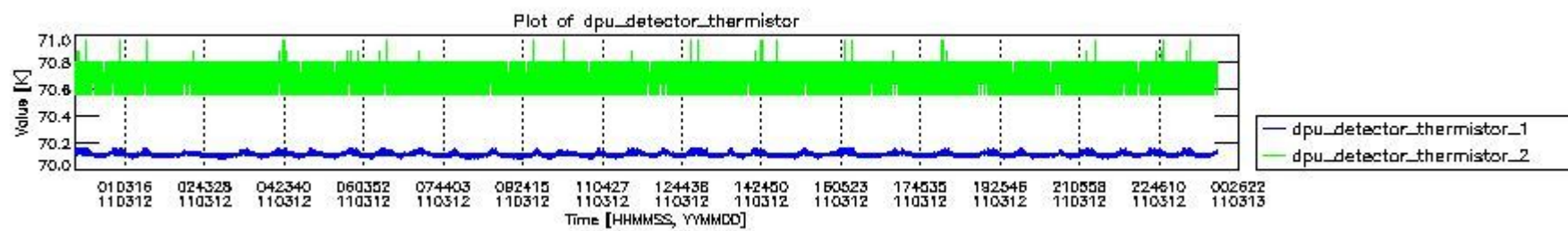
mipas_daily_report_level0_KSPT_L0_4504_N_20110312_0.PNG



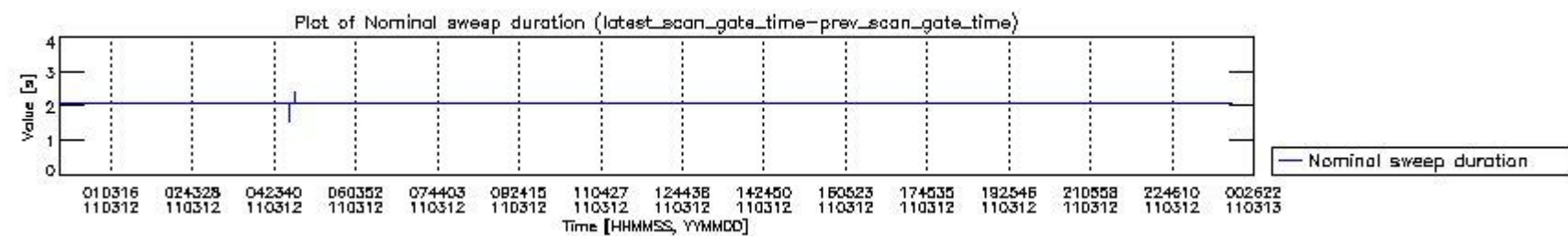
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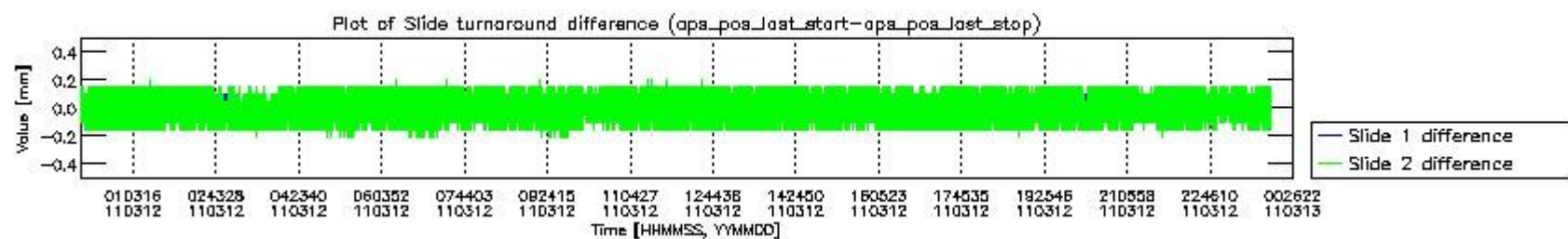
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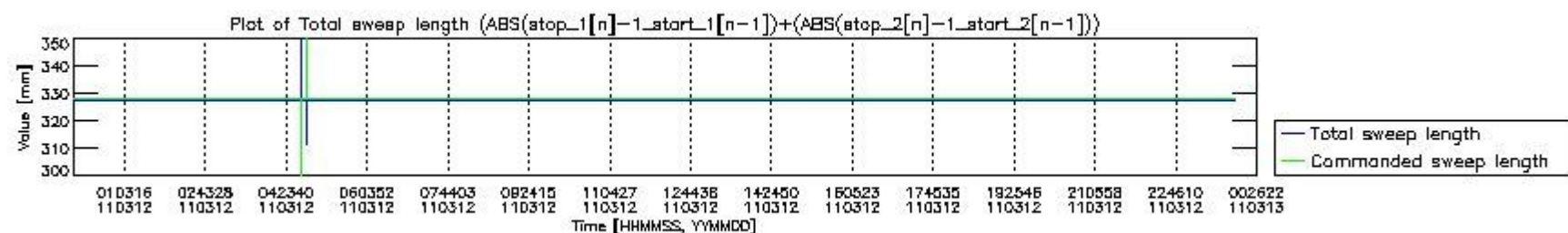
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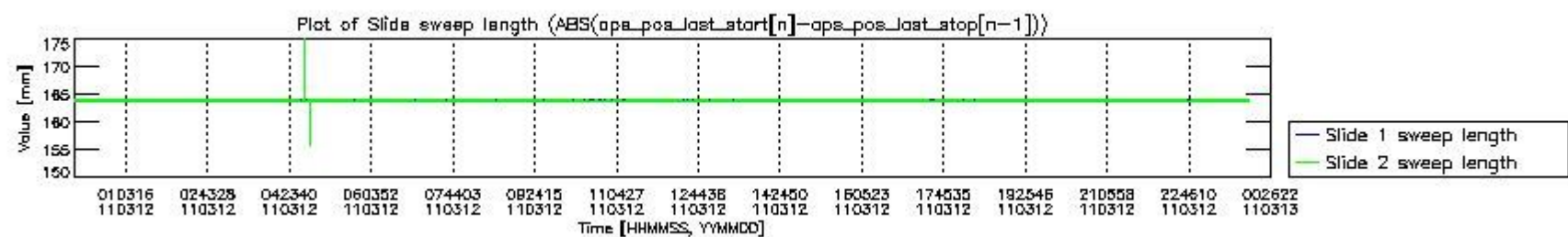
mipas_daily_report_level0_KSPT_L0_4504_N_20110312_4.PNG



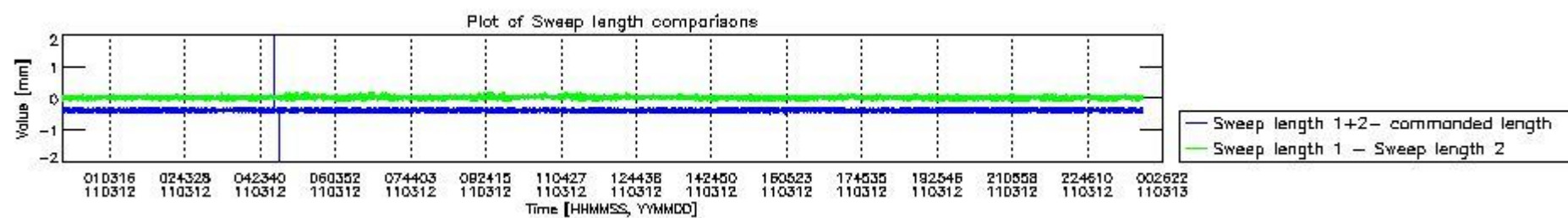
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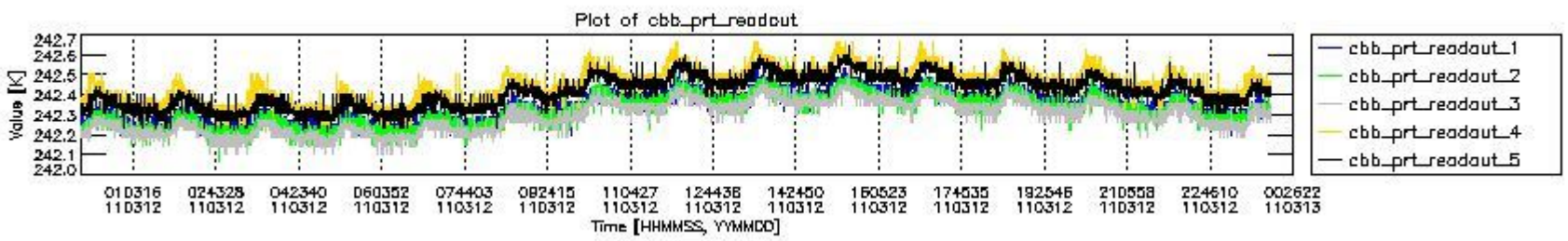
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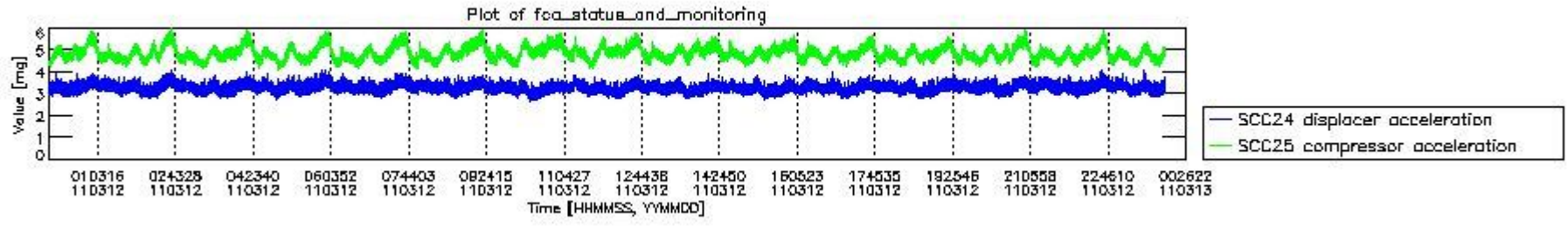
mipas_daily_report_level0_KSPT_L0_4504_N_20110312_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110312_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110312_9.PNG

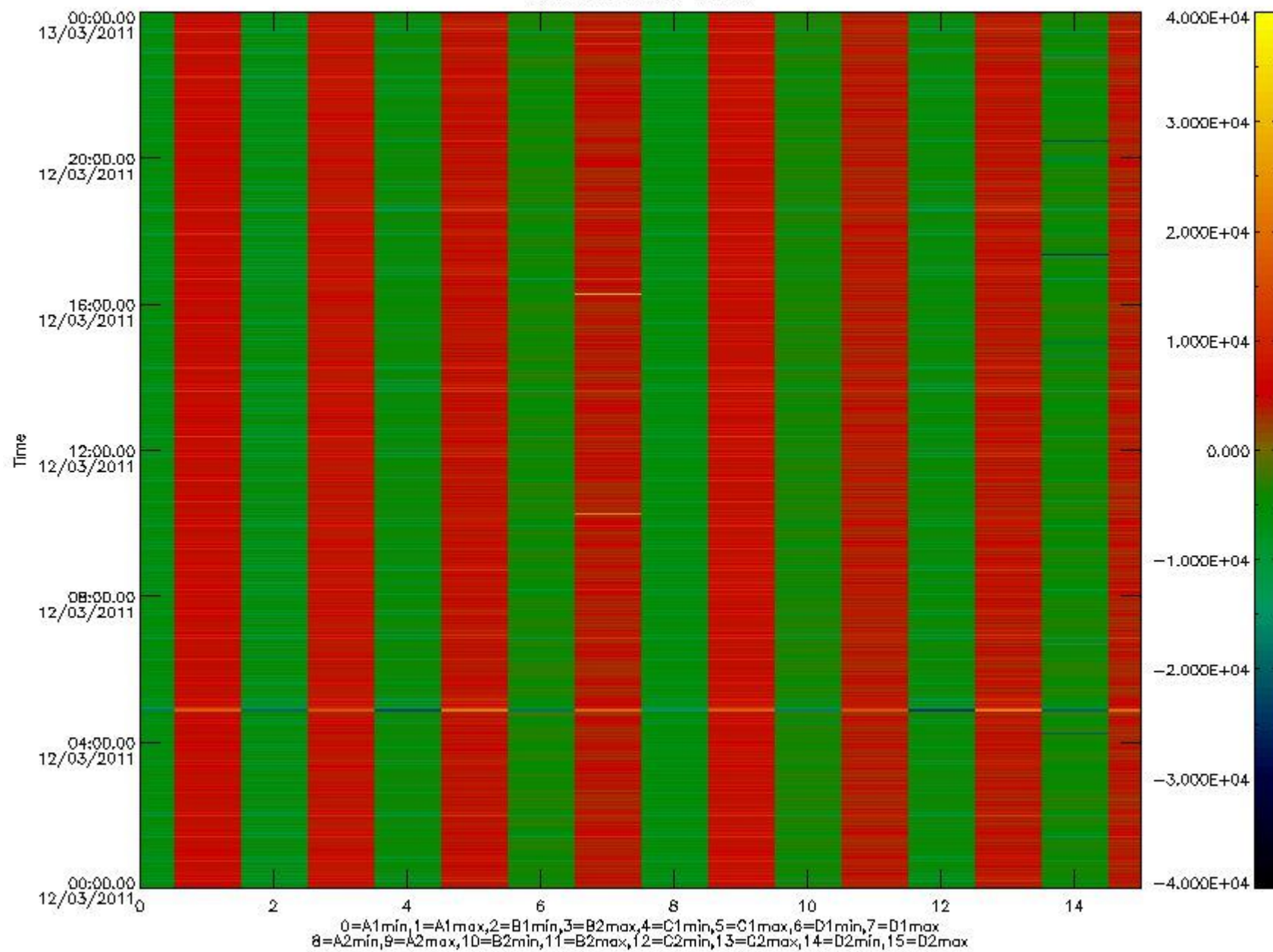


mipas_daily_report_level0_KSPT_L0_4504_N_20110312_10.PNG

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

Channel	Min	Max	ADC
A1	-17538	18554	16bit
B1	-19167	16639	16bit
C1	-23948	22471	16bit
D1	-32768	32767	16bit
A2	-15242	18698	16bit
B2	-17299	17004	16bit
C2	-23574	25519	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_20110312_11.PNG

0.3 ADF monitoring

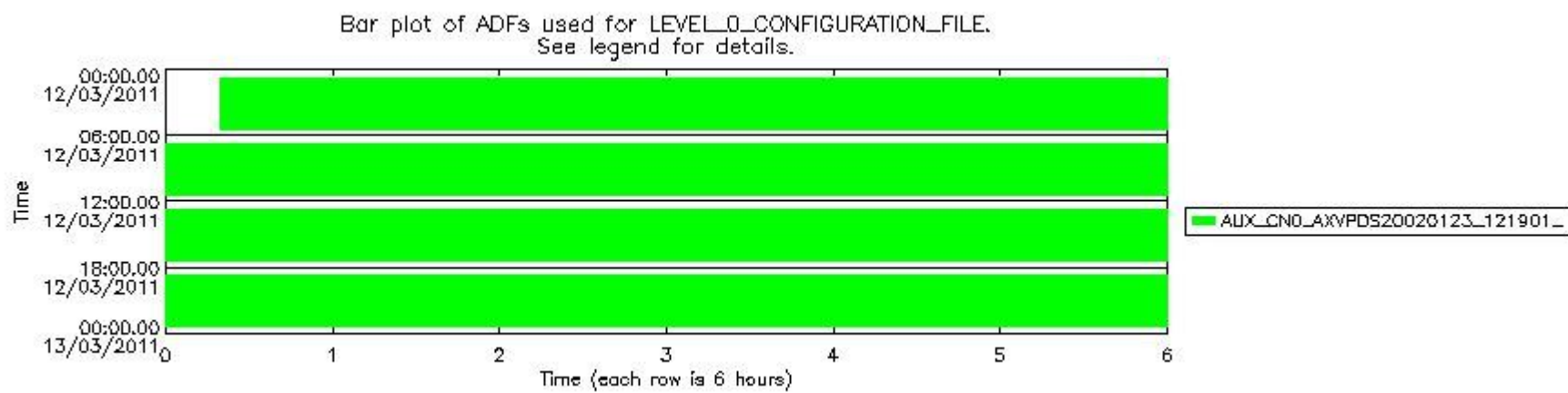
The use of ADFs is shown in two ways:

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.

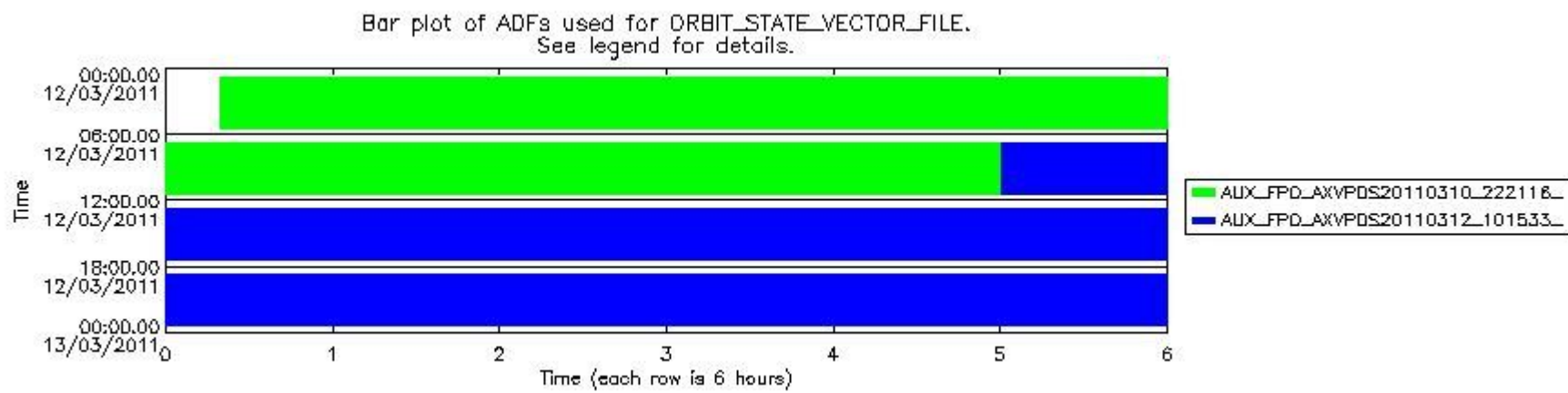
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110310_222116_20110310_182700_20110320_204049
2	AUX_FPO_AXVPDS20110312_101533_20110311_193030_20110321_200406

Number	Product name	#CN0	#FPO
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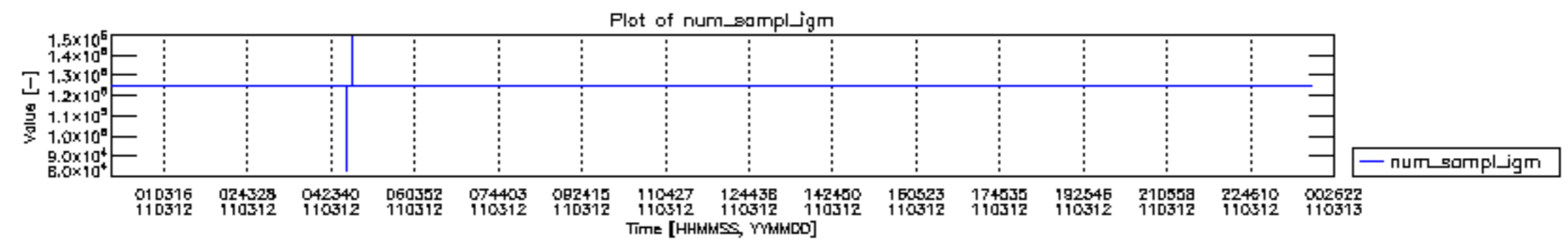
0	MIP_NL__0PNPDE20110312_001929_000059623100_00217_47214_3091.N1	0	1
1	MIP_NL__0PNPDE20110312_015746_000044043100_00218_47215_3092.N1	0	1
2	MIP_NL__0PNPDE20110312_031036_000061733100_00219_47216_3093.N1	0	1
3	MIP_NL__0PNPDE20110312_045255_000060003100_00220_47217_3094.N1	0	1
4	MIP_NL__0PNPDK20110312_063222_000041183100_00221_47218_4539.N1	0	1
5	MIP_NL__0PNPDK20110312_074026_000061043100_00222_47219_4540.N1	0	1
6	MIP_NL__0PNPDK20110312_092126_000059853100_00223_47220_4541.N1	0	1
7	MIP_NL__0PNPDK20110312_110021_000060423100_00224_47221_4542.N1	0	2
8	MIP_NL__0PNPDK20110312_124023_000059083100_00225_47222_4543.N1	0	2
9	MIP_NL__0PNPDK20110312_141756_000058333100_00226_47223_4544.N1	0	2
10	MIP_NL__0PNPDK20110312_155413_000058913100_00227_47224_4545.N1	0	2
11	MIP_NL__0PNPDK20110312_173123_000059873100_00228_47225_4546.N1	0	2
12	MIP_NL__0PNPDK20110312_190947_000060813100_00229_47226_4547.N1	0	2
13	MIP_NL__0PNPDE20110312_205022_000043853100_00230_47227_3095.N1	0	2
14	MIP_NL__0PNPDE20110312_220226_000061173100_00230_47227_3096.N1	0	2
15	MIP_NL__0PNPDE20110312_234320_000059773100_00231_47228_3097.N1	0	2

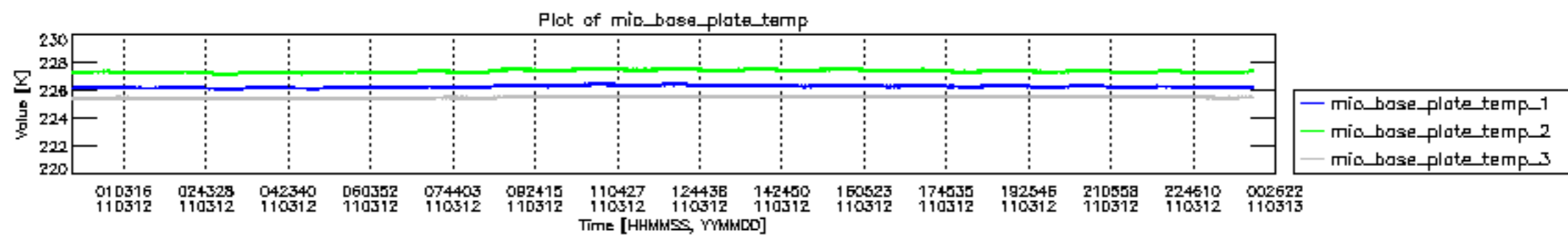


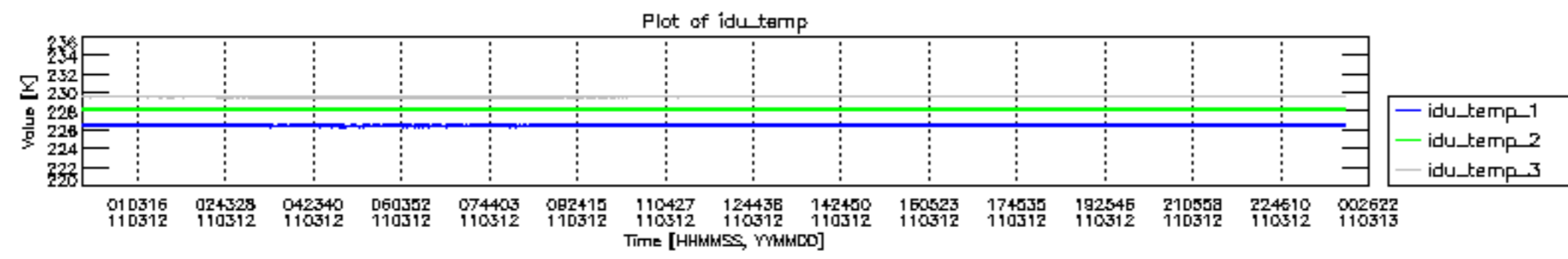
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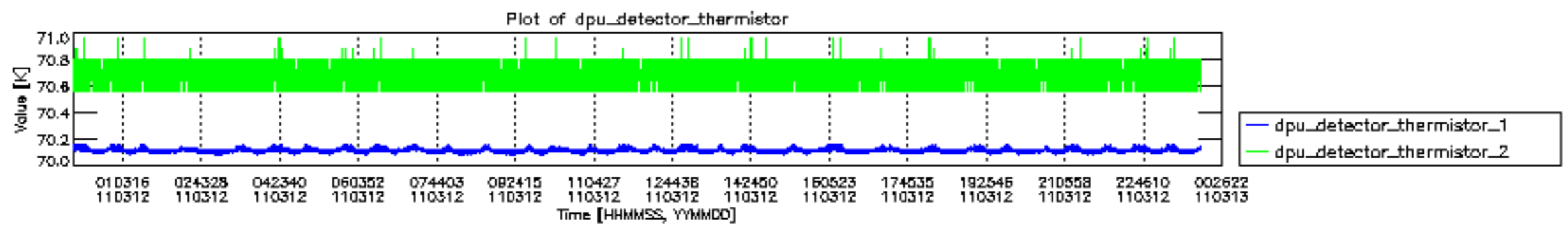


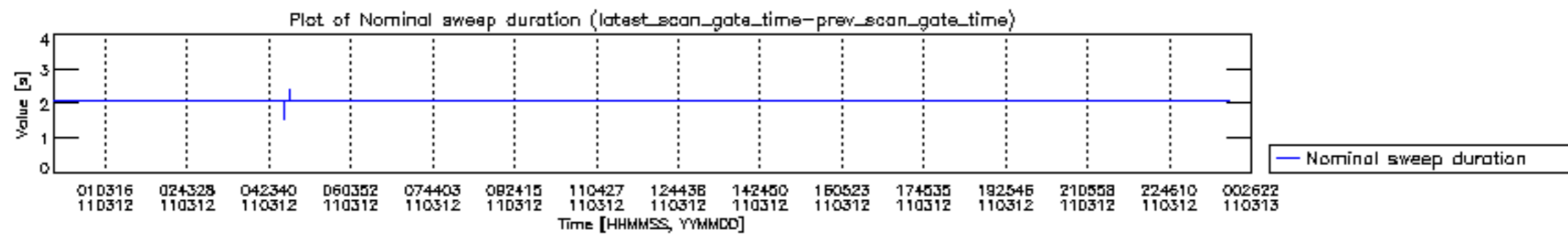
mipas_daily_report_level0_KSPT_L0_4504_N_20110312_13.PNG

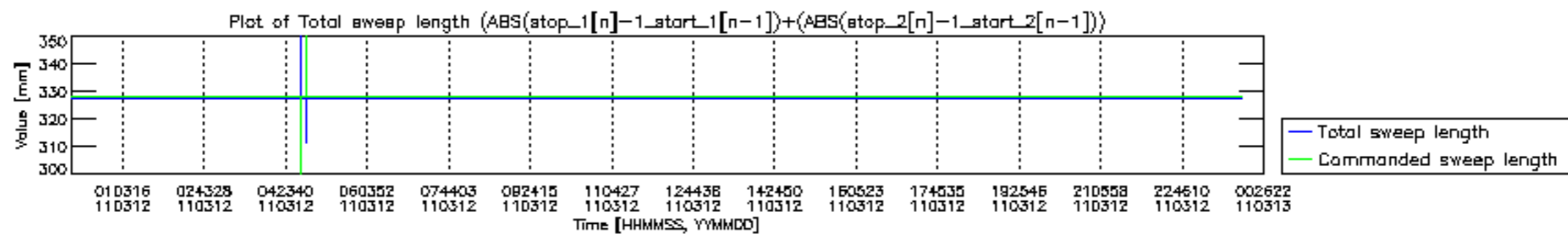


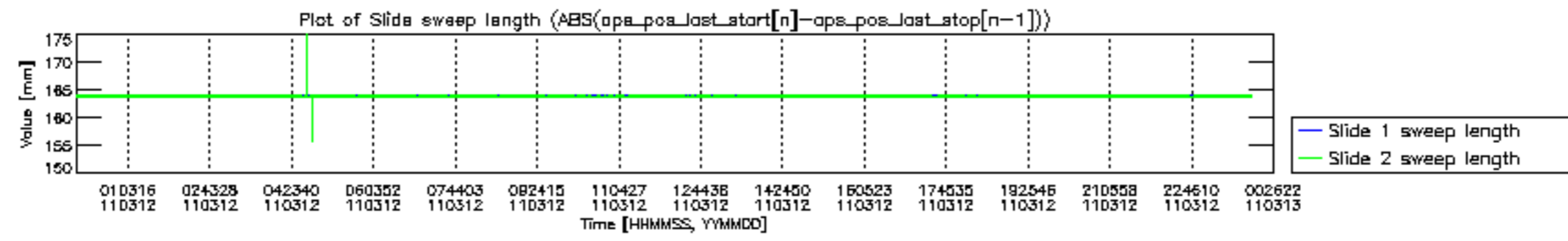


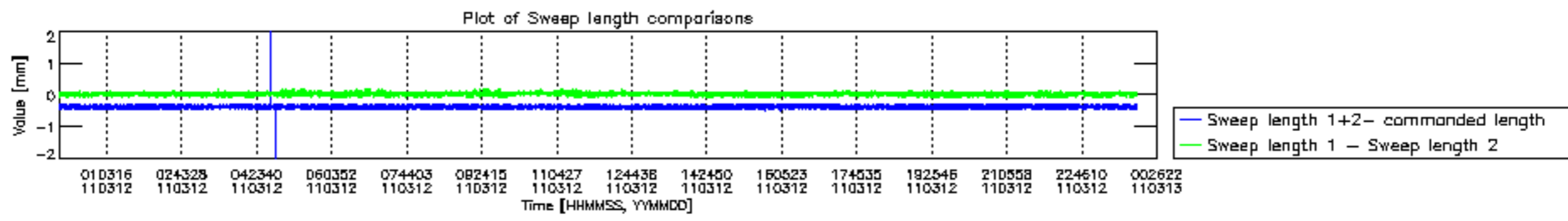


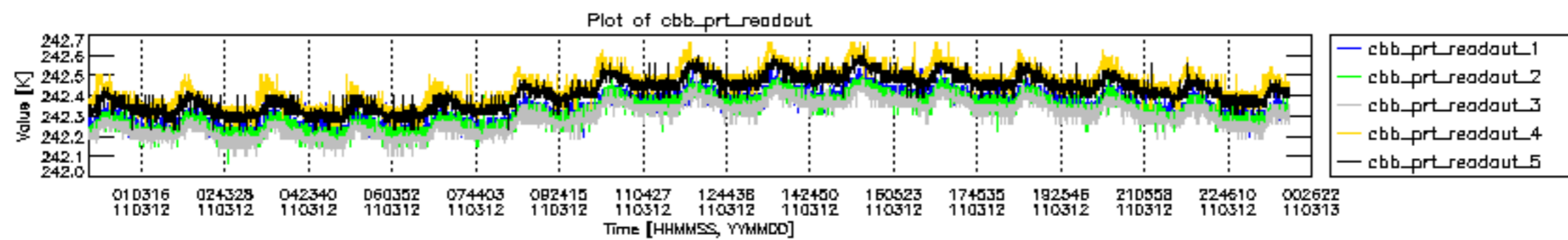


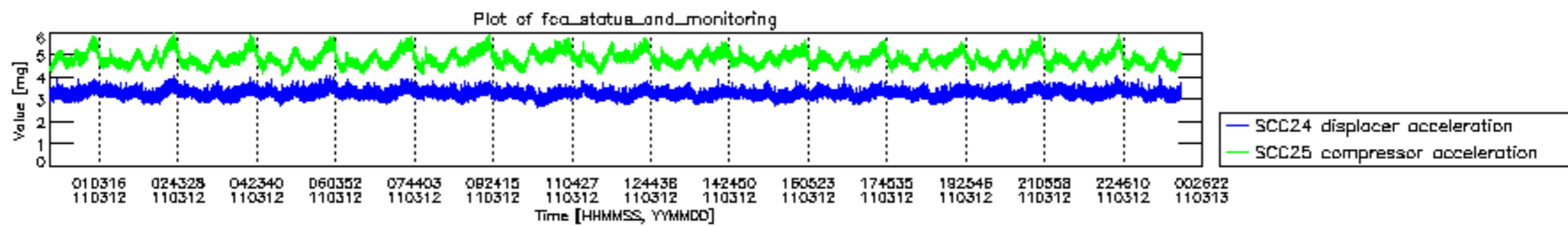












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

