

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	15FEB2012 05:24:30
Data source version	KSPT_L0/4504-N
Processing scope for products	10FEB2012 00:00:00 to 11FEB2012 00:00:00
Start time of first product within scope	10FEB2012 09:55:14
Stop time of last product within scope	11FEB2012 01:40:50
Total number of level 0 products	11
Number of level 0 products with errors	2

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__OPNPK20120210_095514_000051423111_00295_52033_8486.N1	10FEB2012 09:55:14	10FEB2012 11:20:56	0	0	0	0	0
1	MIP_NL__OPNPK20120210_111916_000059353111_00296_52034_8487.N1	10FEB2012 11:19:16	10FEB2012 12:58:10	0	0	0	0	0
2	MIP_NL__OPNPK20120210_125638_000061423111_00297_52035_8488.N1	10FEB2012 12:56:38	10FEB2012 14:39:00	0	0	0	0	0
3	MIP_NL__OPNPK20120210_143720_000058623111_00298_52036_8489.N1	10FEB2012 14:37:20	10FEB2012 16:15:02	0	0	0	0	0
4	MIP_NL__OPNPK20120210_161401_000059243111_00299_52037_8490.N1	10FEB2012 16:14:01	10FEB2012 17:52:45	0	0	0	0	0
5	MIP_NL__OPNPK20120210_175151_000058723111_00300_52038_8491.N1	10FEB2012 17:51:51	10FEB2012 19:29:43	0	0	0	0	0
6	MIP_NL__OPNPK20120210_192838_000062503111_00301_52039_8492.N1	10FEB2012 19:28:38	10FEB2012 21:12:49	0	0	0	0	0
7	MIP_NL__OPNPDE20120210_211148_000039383111_00302_52040_0999.N1	10FEB2012 21:11:48	10FEB2012 22:17:26	1	1	0	0	0
8	MIP_NL__OPNPDE20120210_221726_000002863111_00302_52040_1001.N1	10FEB2012 22:17:26	10FEB2012 22:22:12	1	1	0	0	0
9	MIP_NL__OPNPDE20120210_222103_000060543111_00302_52040_1002.N1	10FEB2012 22:21:03	11FEB2012 00:01:57	0	0	0	0	0
10	MIP_NL__OPNPDE20120210_235956_000060543111_00303_52041_1003.N1	10FEB2012 23:59:56	11FEB2012 01:40:50	0	0	0	0	0

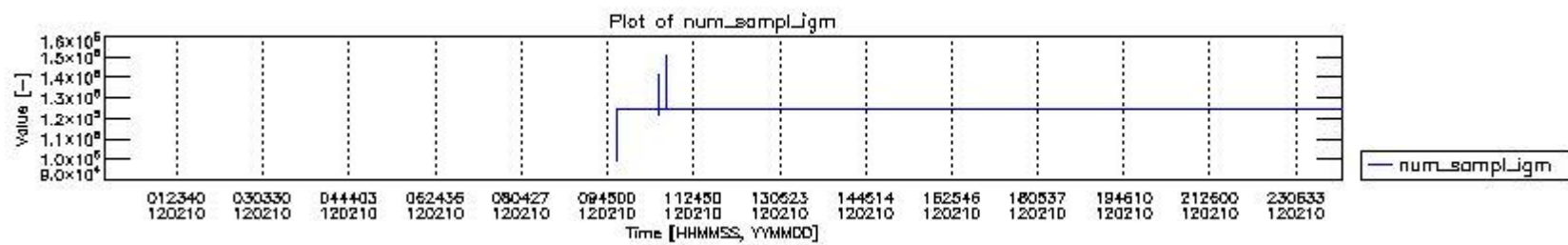
0.2 Instrument Operational Performance Parameters

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.

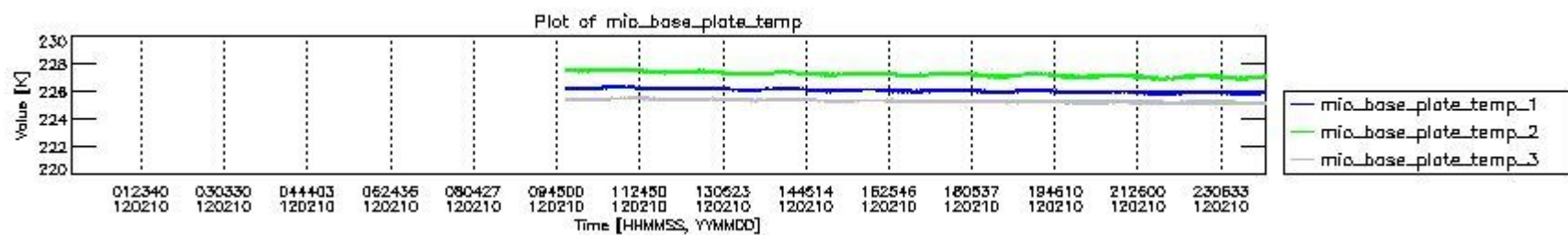
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99368	1	0.0040863027
121435	1	0.0040863027
124440	1	0.0040863027
124620	1	0.0040863027
124800	22734	92.898006
124803	1729	7.0652174
127456	1	0.0040863027

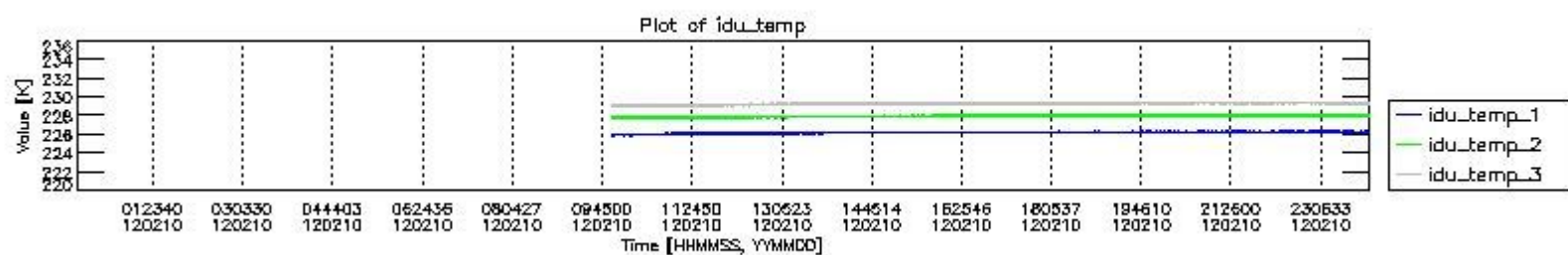
138202	1	0.0040863027
141567	1	0.0040863027
147588	1	0.0040863027
150244	1	0.0040863027



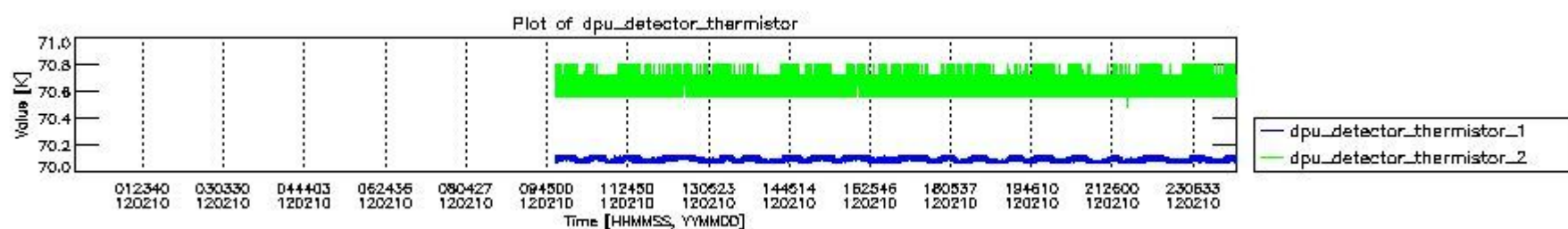
mipas_daily_report_level0_KSPT_L0_4504_N_20120210_0.PNG



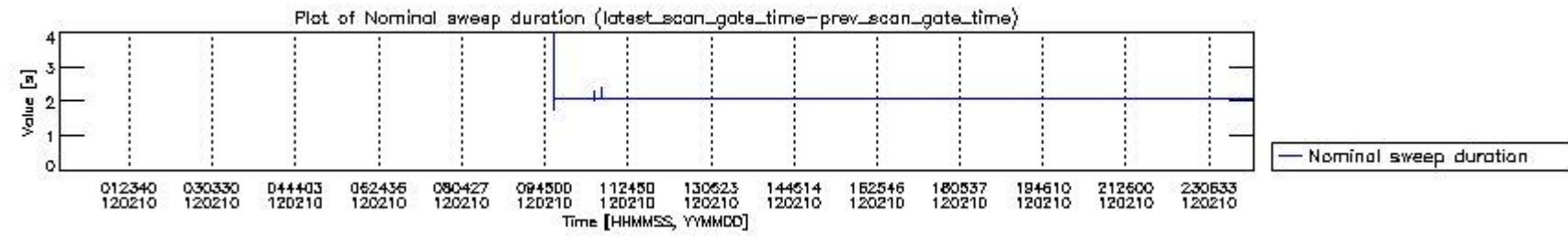
mipas_daily_report_level0_KSPT_L0_4504_N_20120210_1.PNG



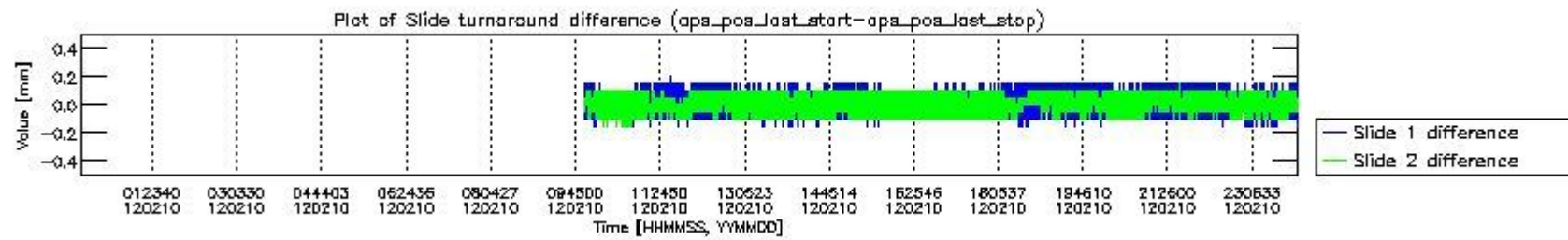
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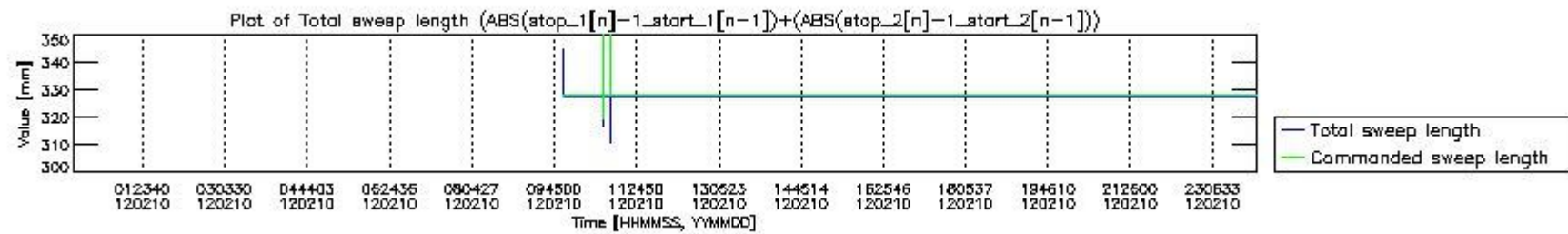
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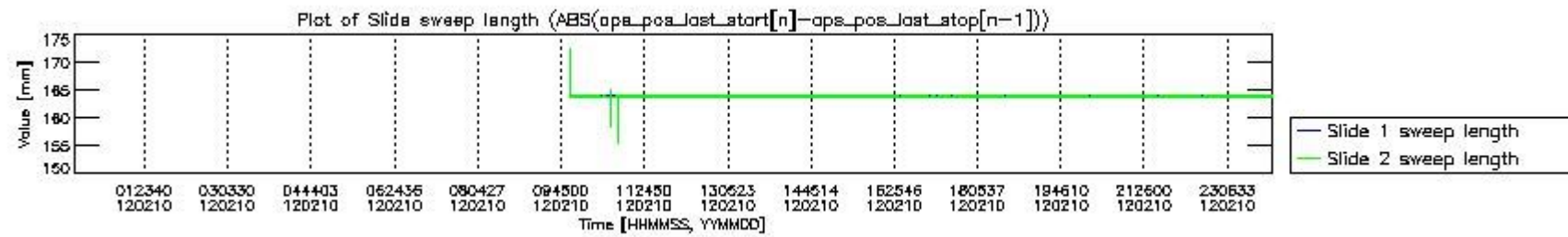
mipas_daily_report_level0_KSPT_L0_4504_N_20120210_4.PNG



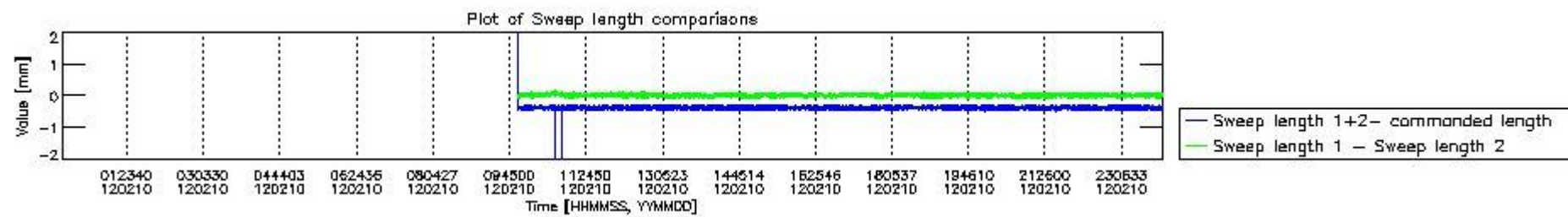
mipas_daily_report_level0_KSPT_L0_4504_N_20120210_5.PNG



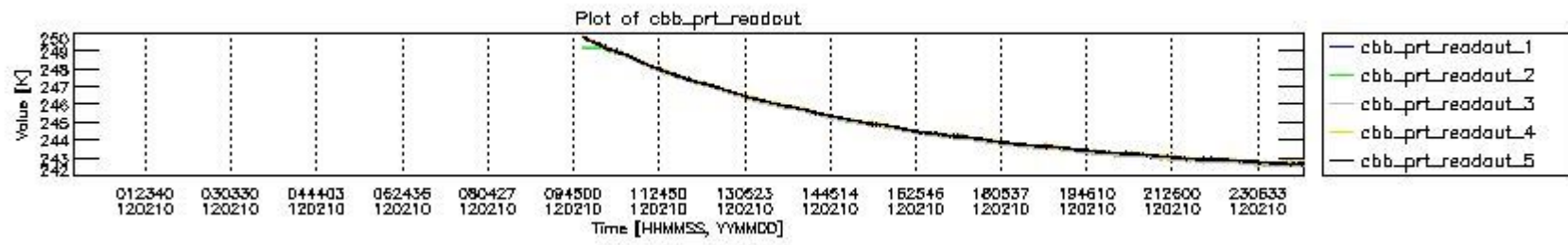
mipas_daily_report_level0_KSPT_L0_4504_N_20120210_6.PNG



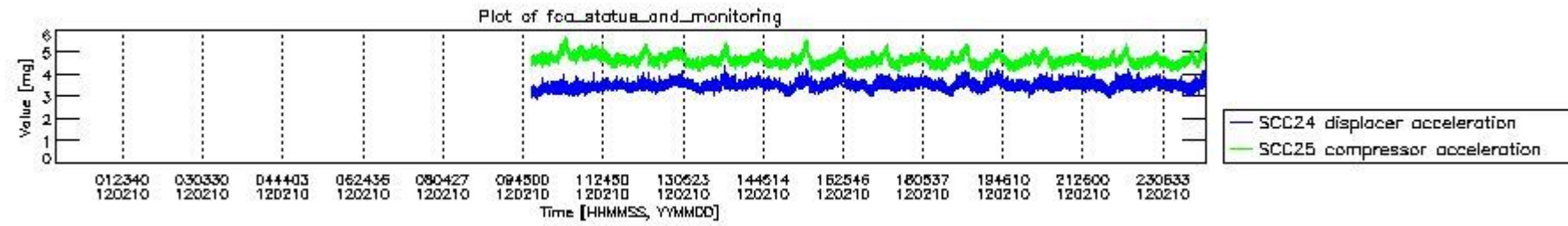
mipas_daily_report_level0_KSPT_L0_4504_N_20120210_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120210_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120210_9.PNG

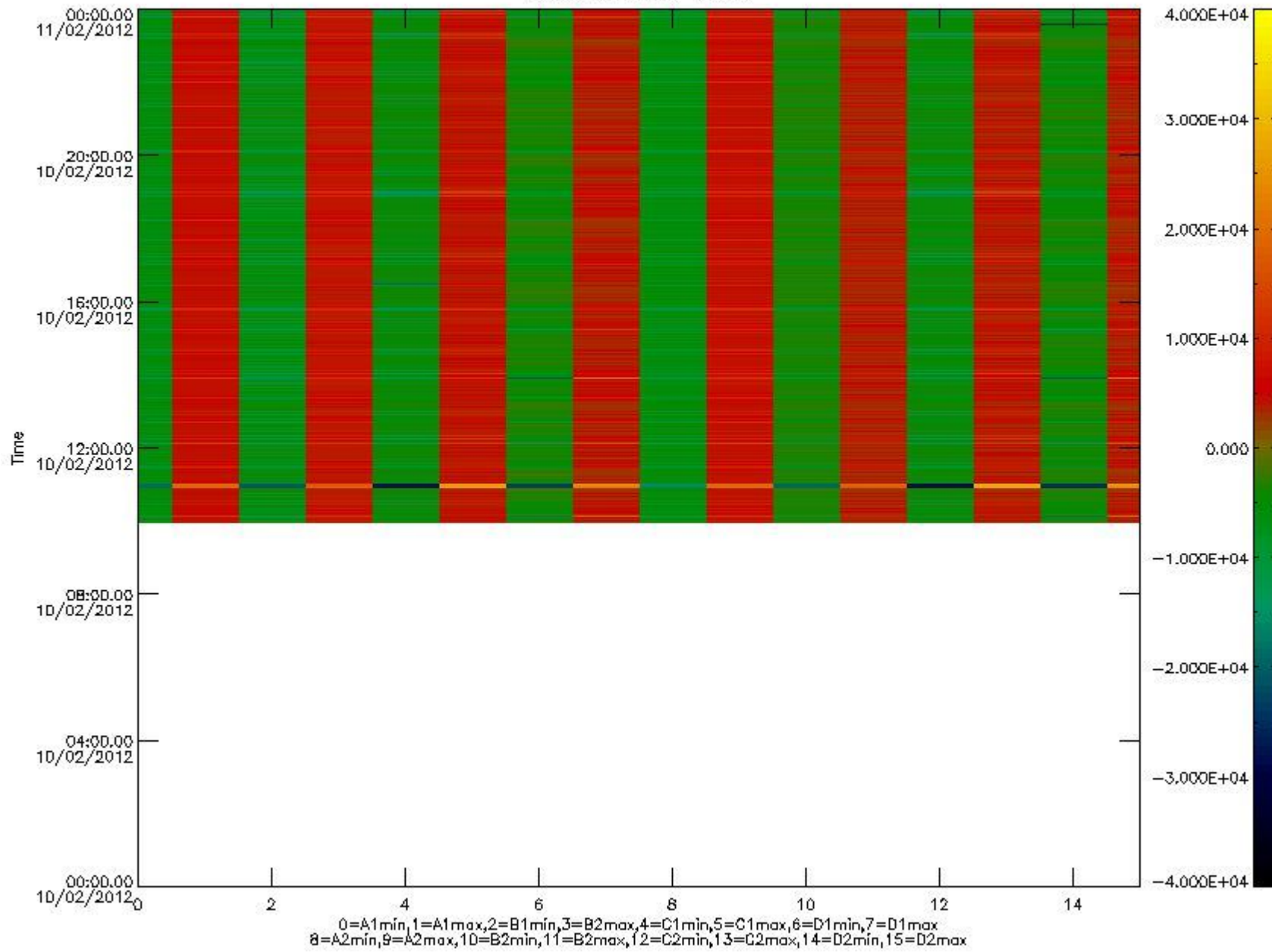


mipas_daily_report_level0_KSPT_L0_4504_N_20120210_10.PNG

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

Channel	Min	Max	ADC
A1	-18687	19969	16bit
B1	-21745	18709	16bit
C1	-27856	27618	16bit
D1	-32676	32767	16bit
A2	-16261	20320	16bit
B2	-19704	19380	16bit
C2	-29062	28545	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_20120210_11.PNG

0.3 ADF monitoring

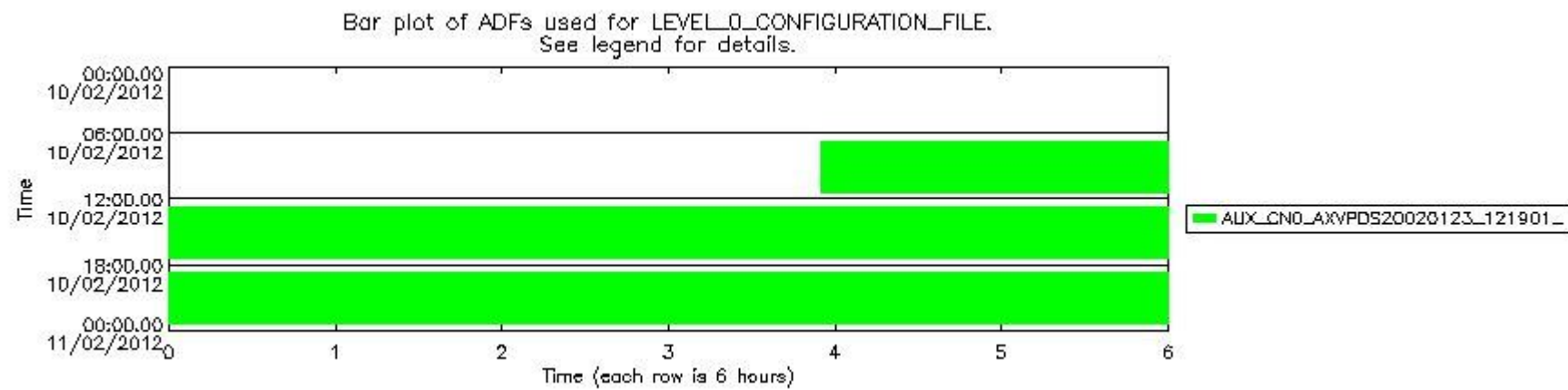
The use of ADFs is shown in two ways:

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.

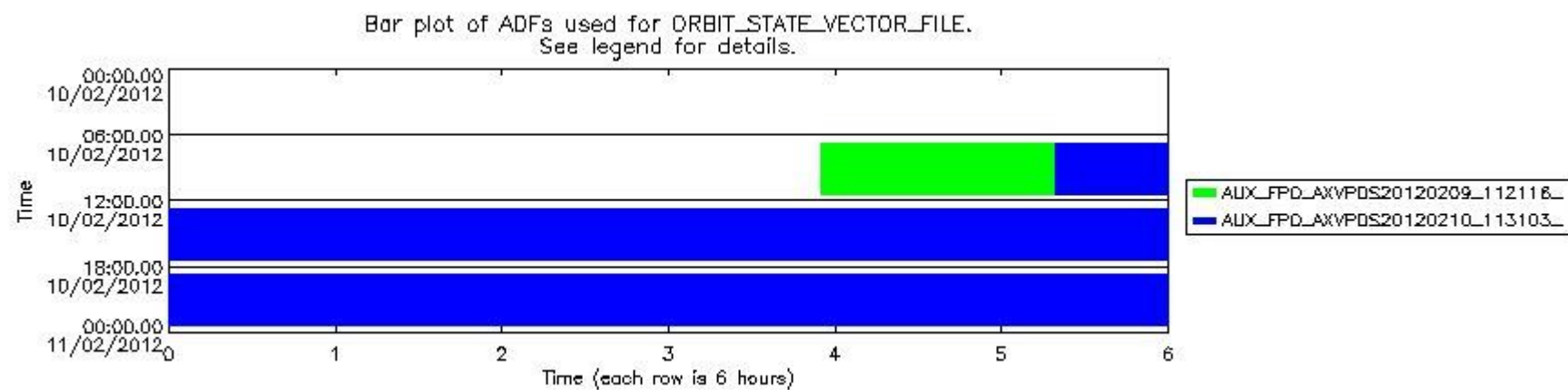
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120209_112116_20120208_184724_20120218_210102
2	AUX_FPO_AXVPDS20120210_113103_20120209_195053_20120219_202417

Number	Product name	#CN0	#FPO
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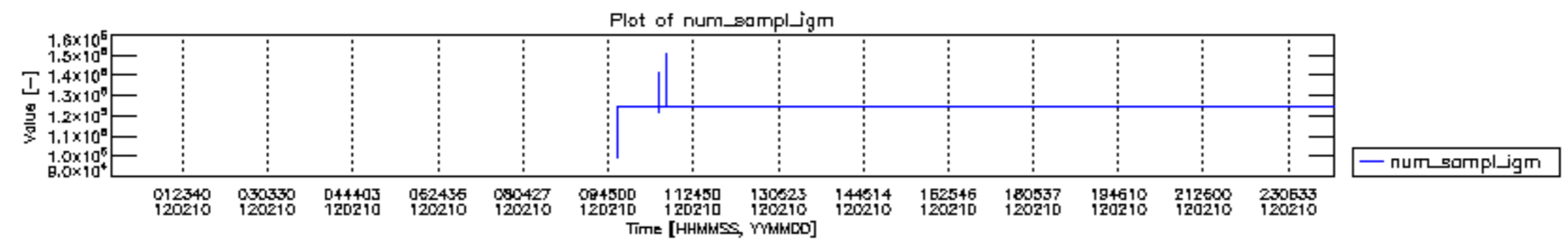
0	MIP_NL__0PNPDK20120210_095514_000051423111_00295_52033_8486.N1	0	1
1	MIP_NL__0PNPDK20120210_111916_000059353111_00296_52034_8487.N1	0	2
2	MIP_NL__0PNPDK20120210_125638_000061423111_00297_52035_8488.N1	0	2
3	MIP_NL__0PNPDK20120210_143720_000058623111_00298_52036_8489.N1	0	2
4	MIP_NL__0PNPDK20120210_161401_000059243111_00299_52037_8490.N1	0	2
5	MIP_NL__0PNPDK20120210_175151_000058723111_00300_52038_8491.N1	0	2
6	MIP_NL__0PNPDK20120210_192838_000062503111_00301_52039_8492.N1	0	2
7	MIP_NL__0PNPDE20120210_211148_000039383111_00302_52040_0999.N1	0	2
8	MIP_NL__0PNPDE20120210_221726_000002863111_00302_52040_1001.N1	0	2
9	MIP_NL__0PNPDE20120210_222103_000060543111_00302_52040_1002.N1	0	2
10	MIP_NL__0PNPDE20120210_235956_000060543111_00303_52041_1003.N1	0	2

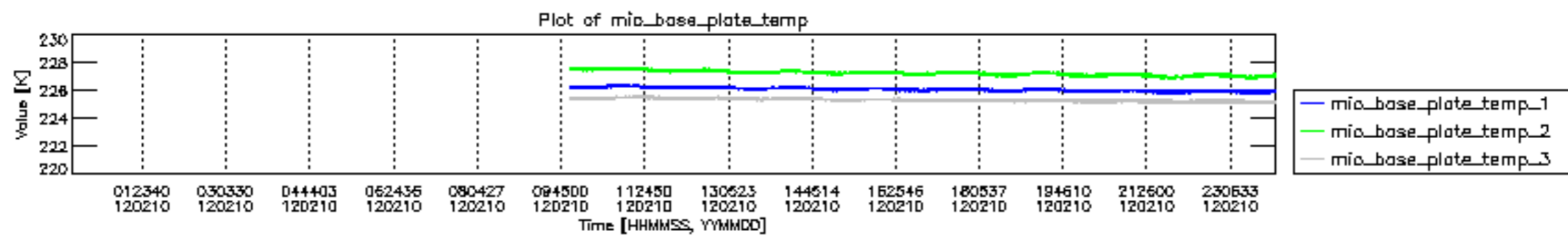


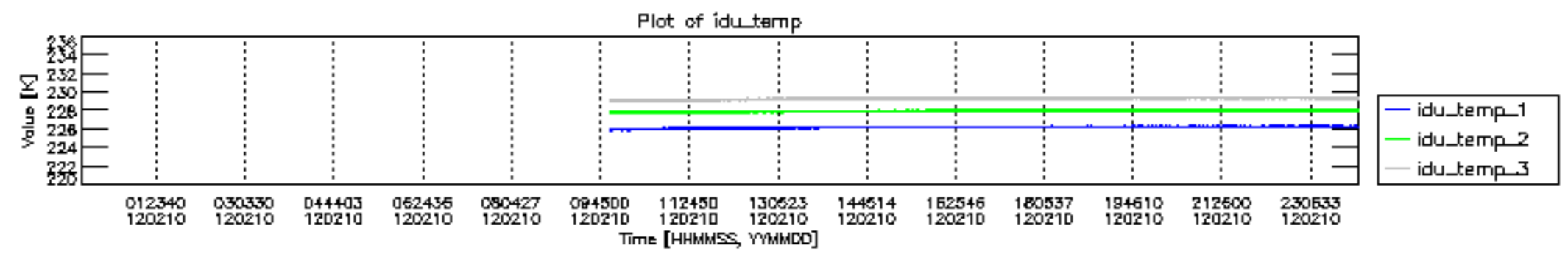
mipas_daily_report_level0_KSPT_L0_4504_N_20120210_12.PNG

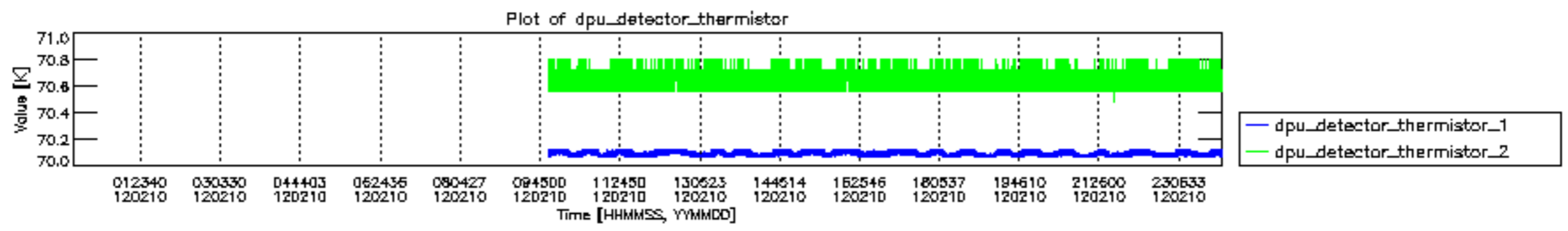


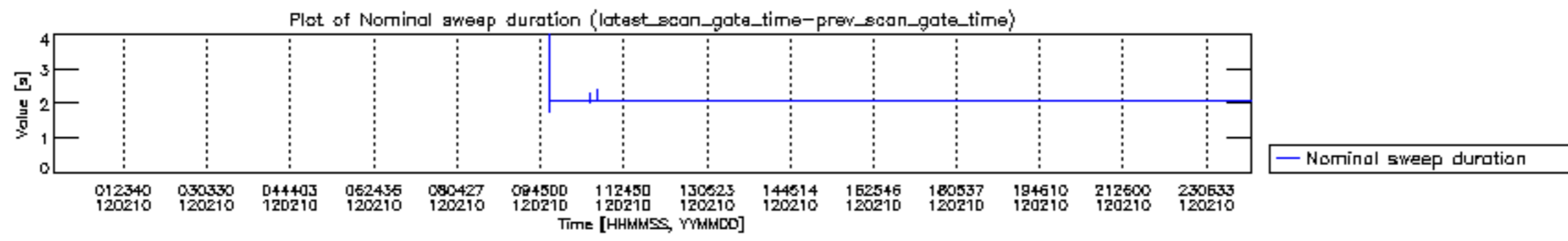
mipas_daily_report_level0_KSPT_L0_4504_N_20120210_13.PNG

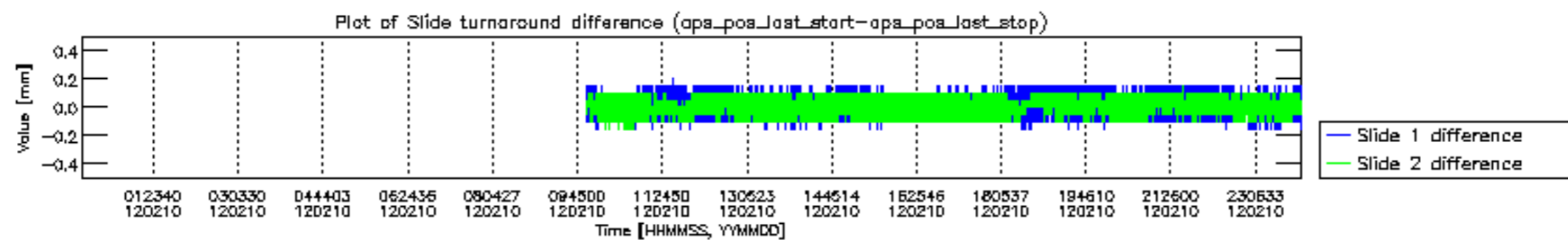


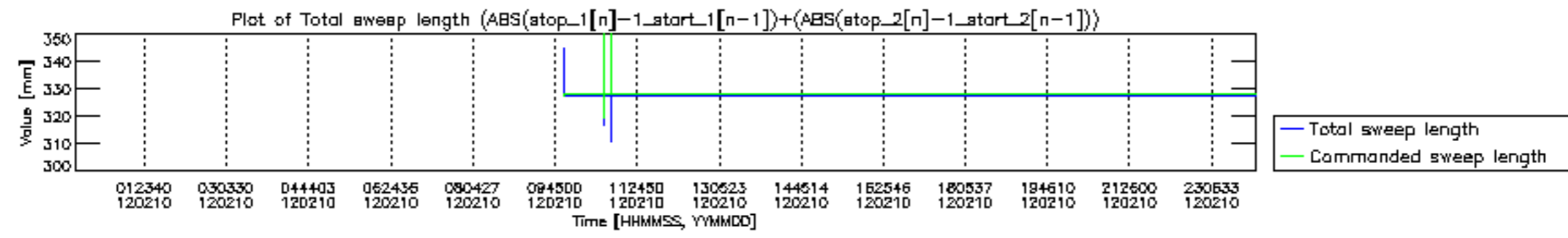


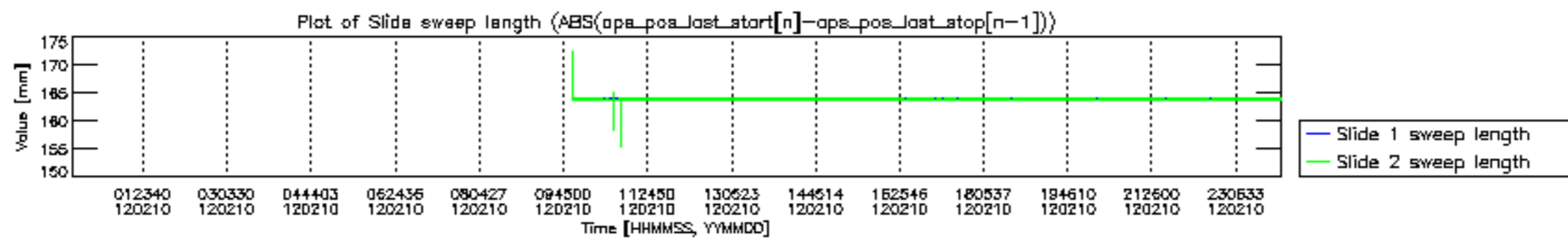


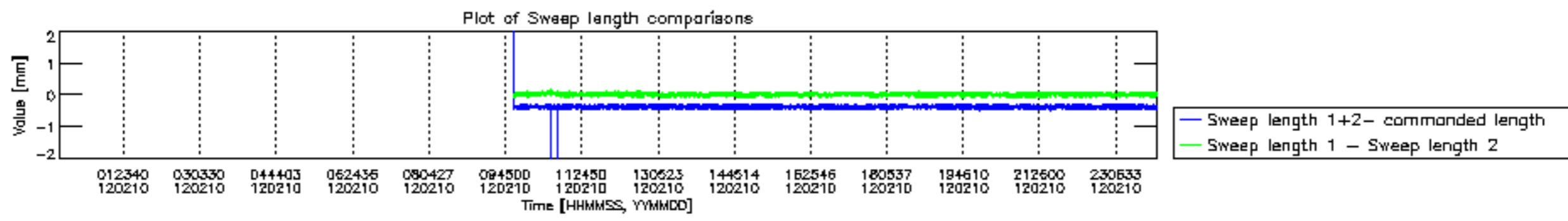


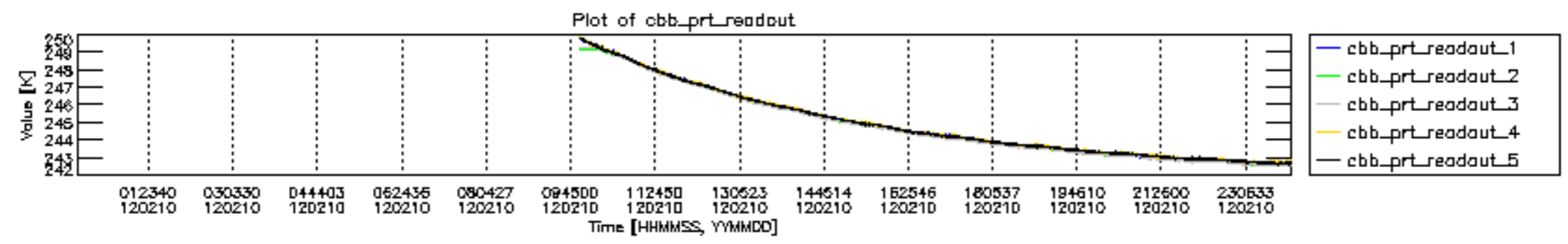


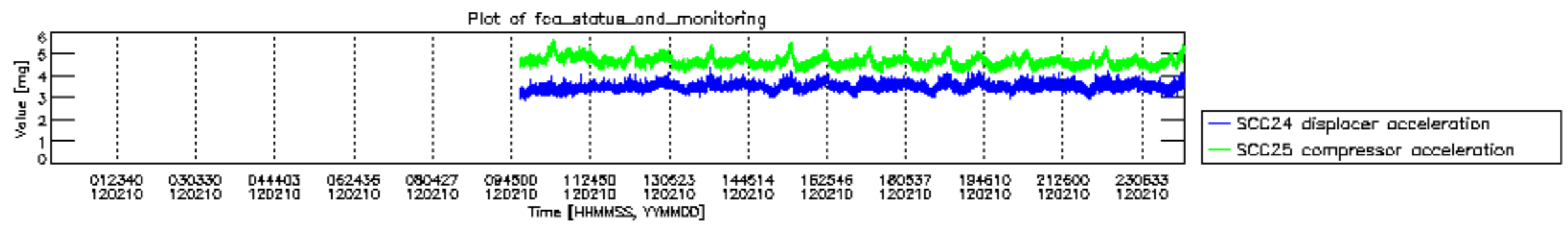












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

