

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	05MAR2012 05:20:50
Data source version	KSPT_L0/4504-N
Processing scope for products	29FEB2012 00:00:00 to 01MAR2012 00:00:00
Start time of first product within scope	29FEB2012 00:43:04
Stop time of last product within scope	29FEB2012 21:14:49
Total number of level 0 products	10
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.

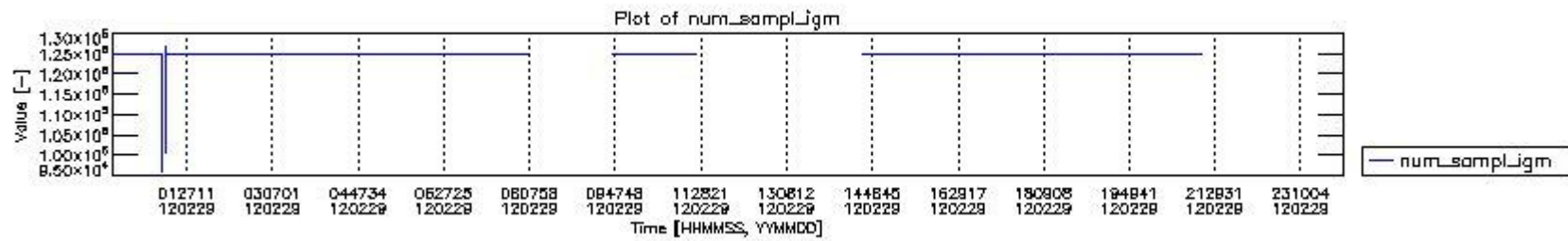
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120229_004304_000058223112_00131_52300_1128.N1	29FEB2012 00:43:04	29FEB2012 02:20:05	0	0	0	0	0
1	MIP_NL__0PNPDE20120229_021859_000045673112_00132_52301_1129.N1	29FEB2012 02:18:59	29FEB2012 03:35:05	0	0	0	0	0
2	MIP_NL__0PNPDE20120229_033432_000061793112_00133_52302_1130.N1	29FEB2012 03:34:32	29FEB2012 05:17:31	0	0	0	0	0
3	MIP_NL__0PNPDE20120229_051658_000060293112_00134_52303_1131.N1	29FEB2012 05:16:58	29FEB2012 06:57:26	0	0	0	0	0
4	MIP_NL__0PNPDK20120229_065653_000040863112_00135_52304_8726.N1	29FEB2012 06:56:53	29FEB2012 08:04:59	0	0	0	0	0
5	MIP_NL__0PNPDK20120229_094536_000058303112_00137_52306_8728.N1	29FEB2012 09:45:36	29FEB2012 11:22:47	0	0	0	0	0
6	MIP_NL__0PNPDK20120229_143823_000059603112_00140_52309_8731.N1	29FEB2012 14:38:23	29FEB2012 16:17:43	0	0	0	0	0
7	MIP_NL__0PNPDK20120229_161630_000060123112_00141_52310_8732.N1	29FEB2012 16:16:30	29FEB2012 17:56:42	0	0	0	0	0
8	MIP_NL__0PNPDK20120229_175556_000059853112_00142_52311_8733.N1	29FEB2012 17:55:56	29FEB2012 19:35:41	0	0	0	0	0
9	MIP_NL__0PNPDK20120229_193455_000059933112_00143_52312_8734.N1	29FEB2012 19:34:55	29FEB2012 21:14:49	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

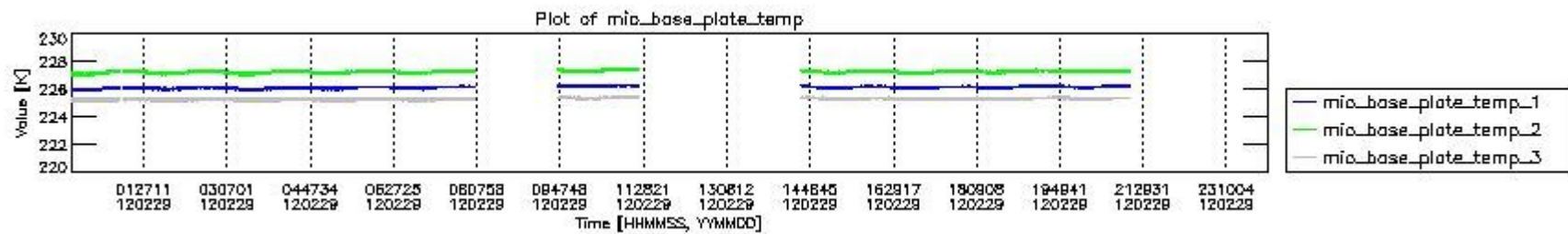
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

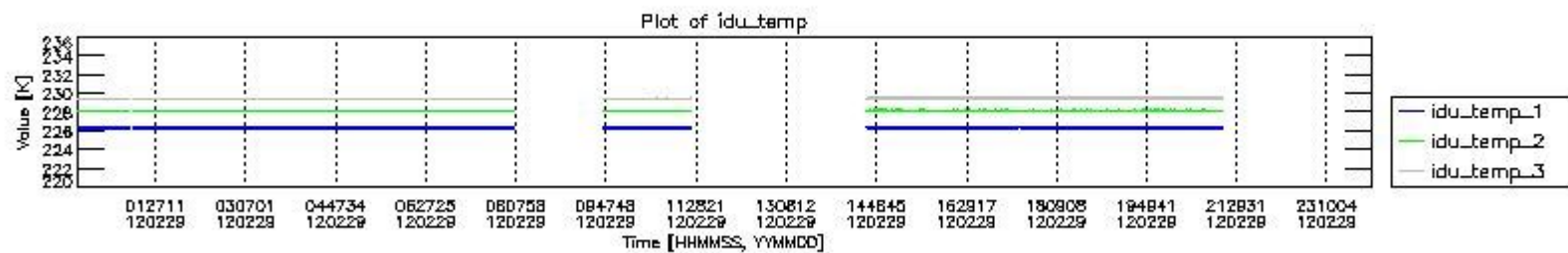
Number of igm samples	Count [#]	Count [%]
95974	1	0.0035568202
100321	1	0.0035568202
100557	1	0.0035568202
120456	1	0.0035568202
124800	26120	92.904144
124803	1989	7.0745154
125809	1	0.0035568202
126818	1	0.0035568202



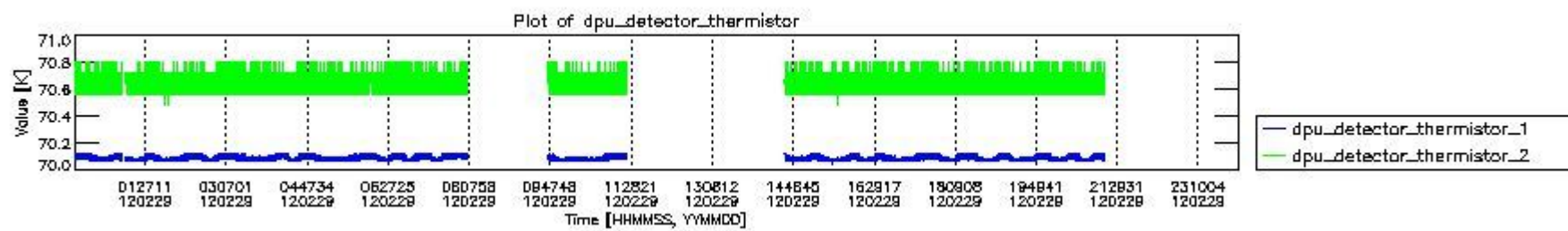
mipas_daily_report_level0_KSPT_L0_4504_N_20120229_0.PNG



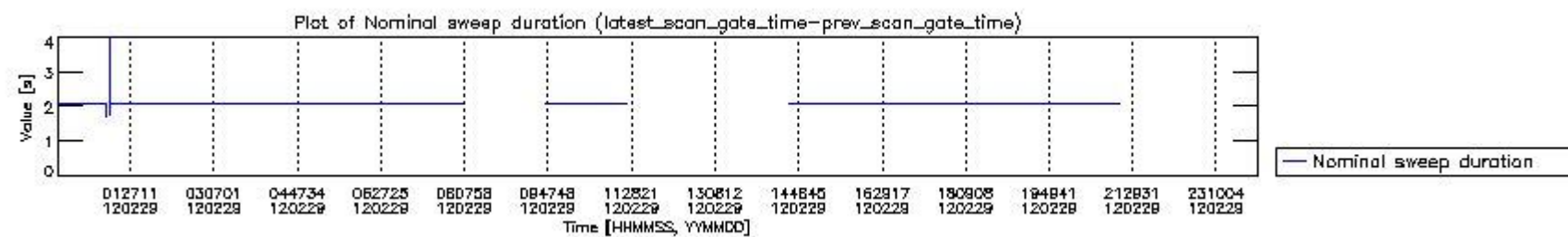
mipas_daily_report_level0_KSPT_L0_4504_N_20120229_1.PNG



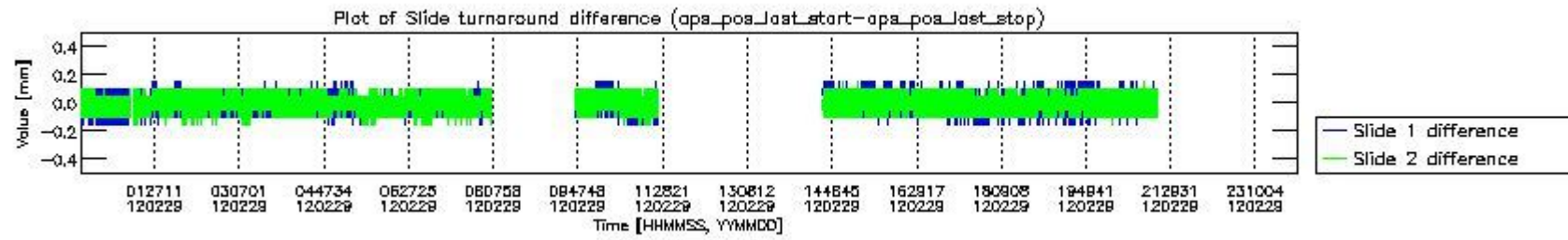
mipas_daily_report_level0_KSPT_L0_4504_N_20120229_2.PNG



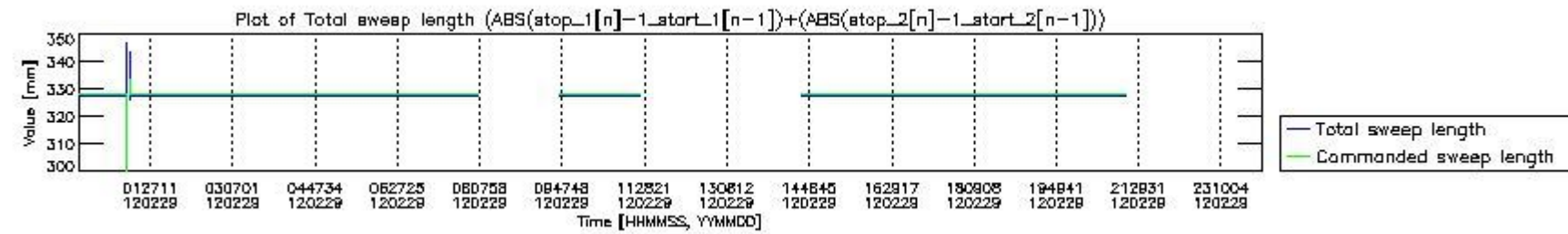
mipas_daily_report_level0_KSPT_L0_4504_N_20120229_3.PNG



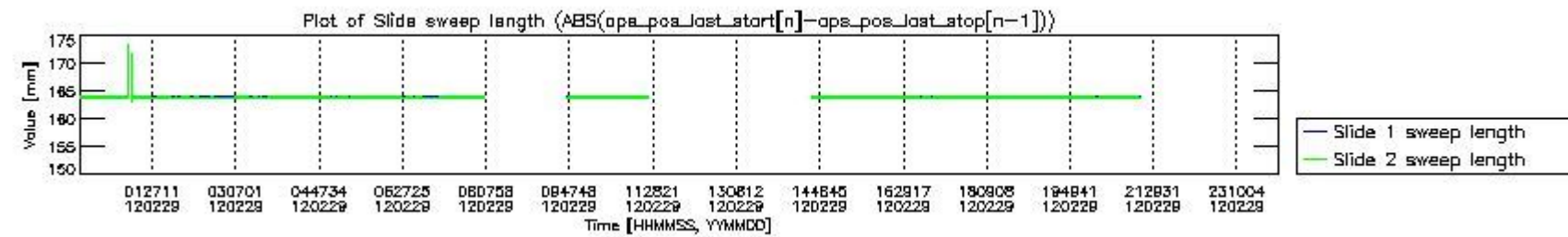
mipas_daily_report_level0_KSPT_L0_4504_N_20120229_4.PNG



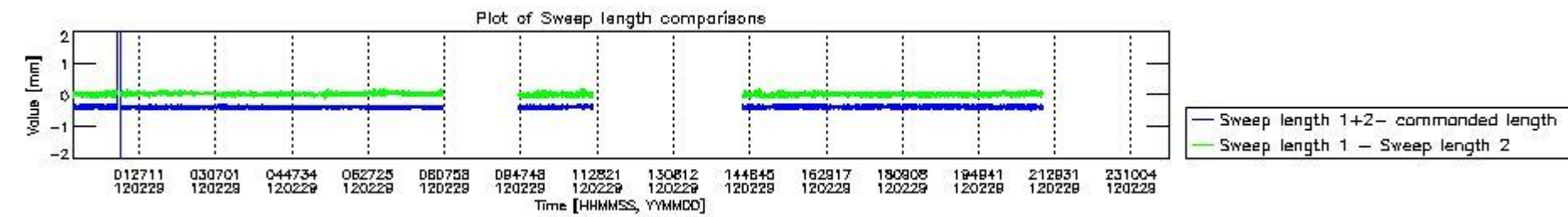
mipas_daily_report_level0_KSPT_L0_4504_N_20120229_5.PNG



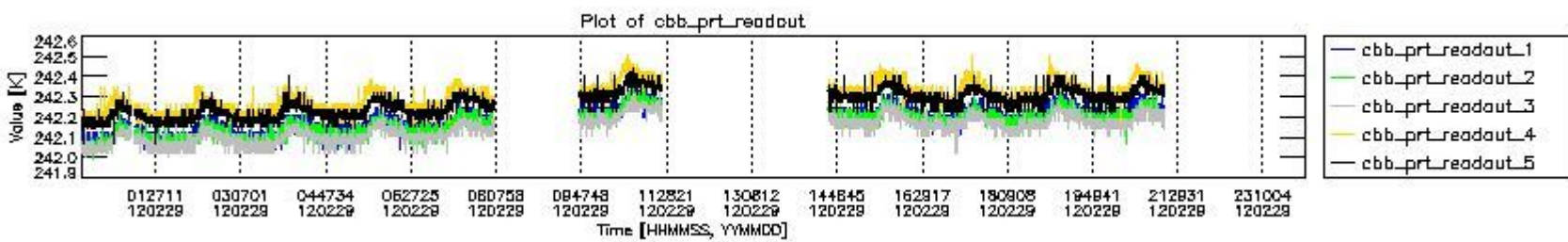
mipas_daily_report_level0_KSPT_L0_4504_N_20120229_6.PNG



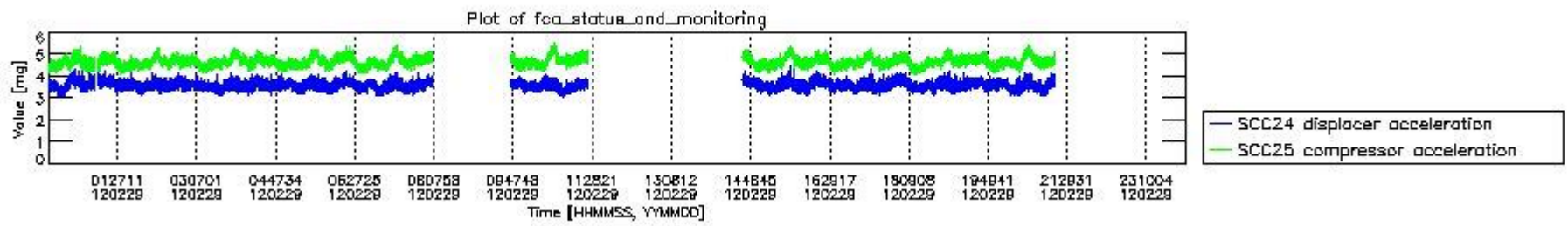
mipas_daily_report_level0_KSPT_L0_4504_N_20120229_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120229_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120229_9.PNG

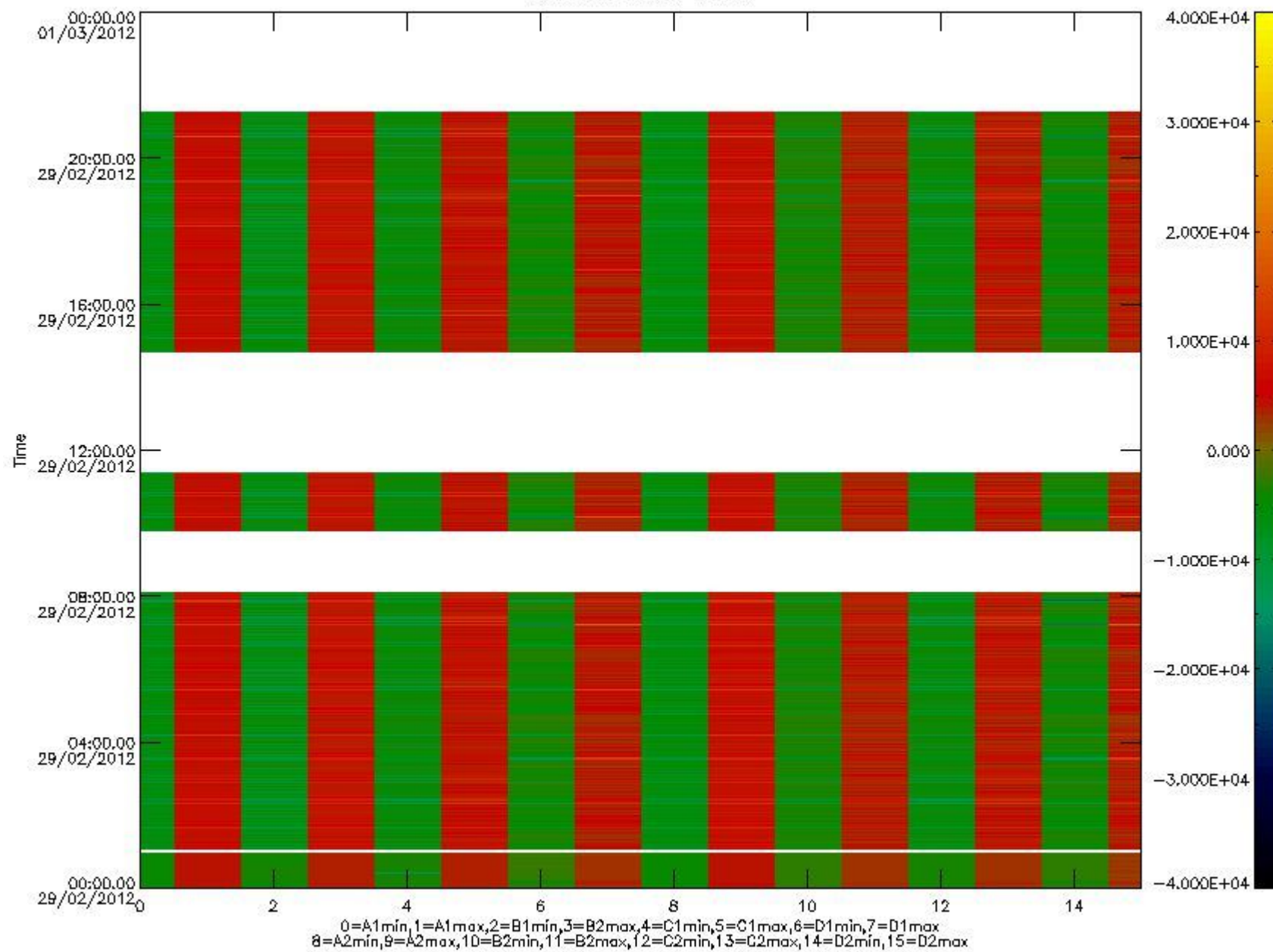


mipas_daily_report_level0_KSPT_L0_4504_N_20120229_10.PNG

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

Channel	Min	Max	ADC
A1	-16449	16909	16bit
B1	-16952	14602	16bit
C1	-19321	18749	16bit
D1	-31564	32767	16bit
A2	-14118	16818	16bit
B2	-14541	14335	16bit
C2	-19592	24063	16bit
D2	-32768	32767	16bit

MIPNL0P_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120229_11.PNG

0.3 ADF monitoring

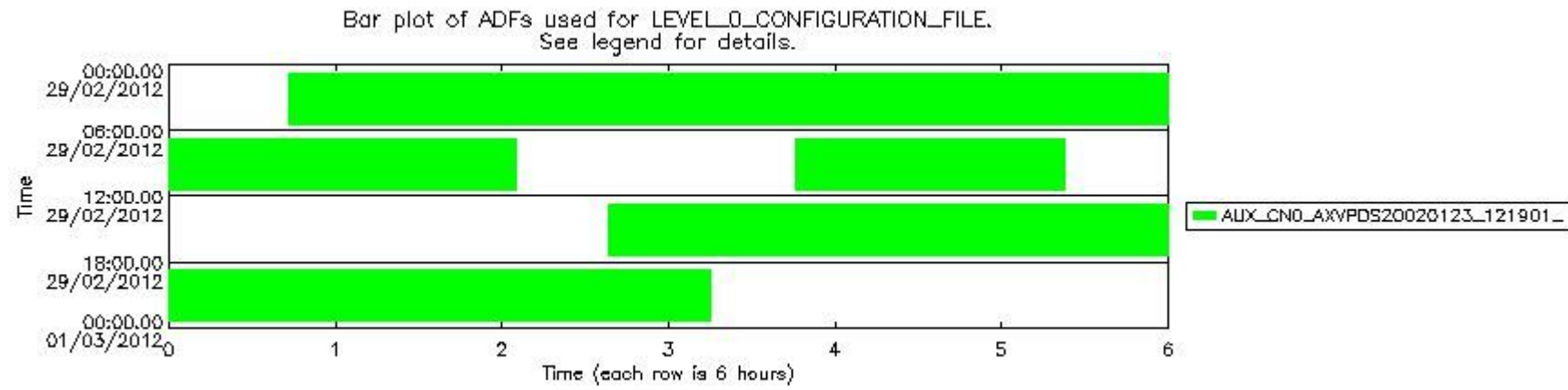
The use of ADFs is shown in two ways:

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.

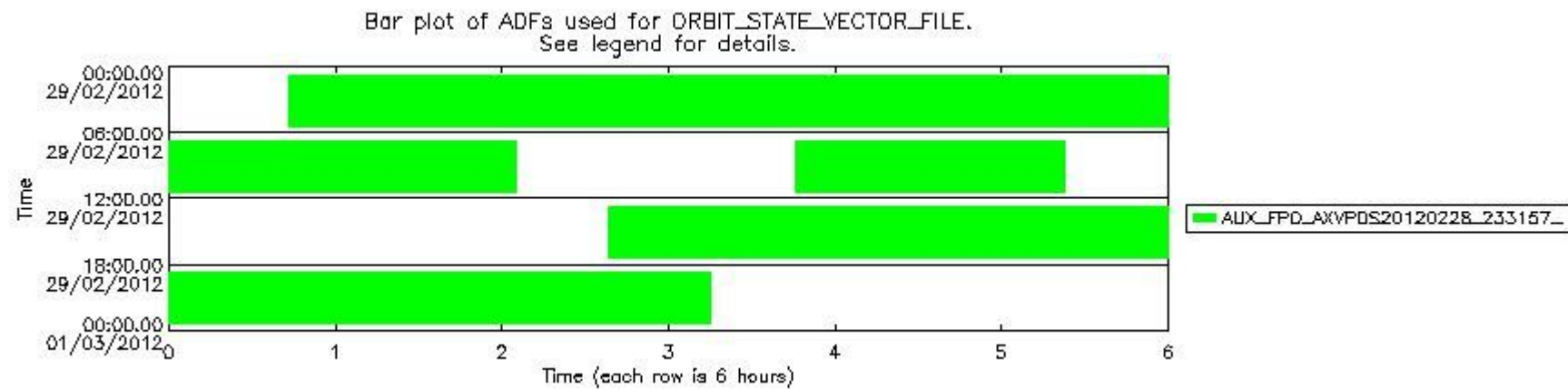
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120228_233157_20120228_195414_20120309_202741

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120229_004304_000058223112_00131_52300_1128.N1	0	1

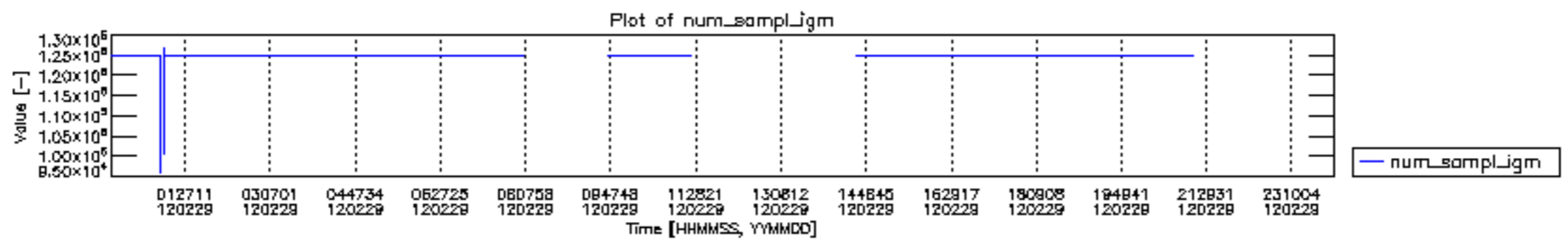
1	MIP_NL__0PNPDE20120229_021859_000045673112_00132_52301_1129.N1	0	1
2	MIP_NL__0PNPDE20120229_033432_000061793112_00133_52302_1130.N1	0	1
3	MIP_NL__0PNPDE20120229_051658_000060293112_00134_52303_1131.N1	0	1
4	MIP_NL__0PNPDK20120229_065653_000040863112_00135_52304_8726.N1	0	1
5	MIP_NL__0PNPDK20120229_094536_000058303112_00137_52306_8728.N1	0	1
6	MIP_NL__0PNPDK20120229_143823_000059603112_00140_52309_8731.N1	0	1
7	MIP_NL__0PNPDK20120229_161630_000060123112_00141_52310_8732.N1	0	1
8	MIP_NL__0PNPDK20120229_175556_000059853112_00142_52311_8733.N1	0	1
9	MIP_NL__0PNPDK20120229_193455_000059933112_00143_52312_8734.N1	0	1

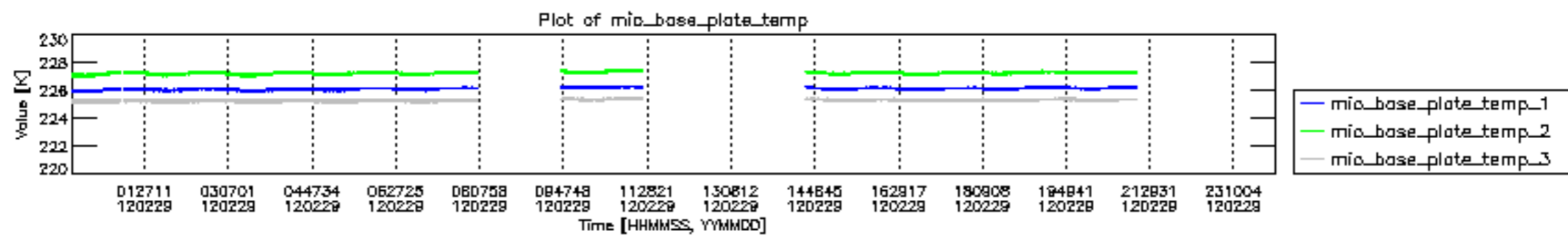


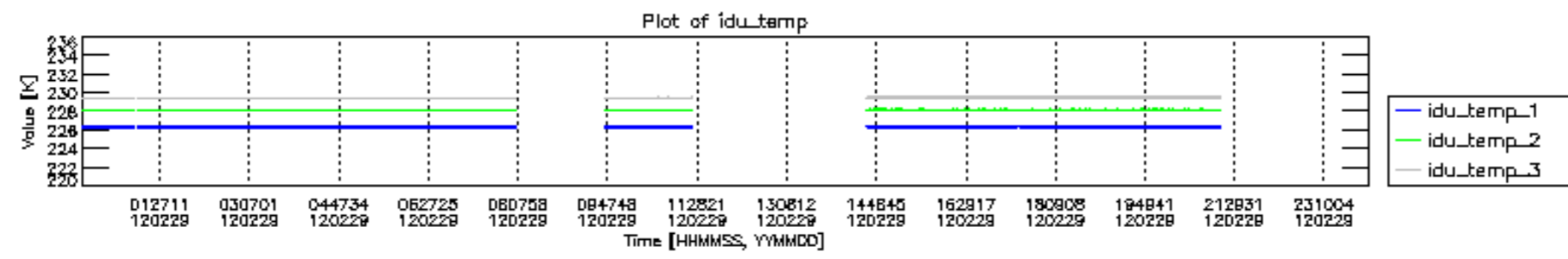
mipas_daily_report_level0_KSPT_L0_4504_N_20120229_12.PNG

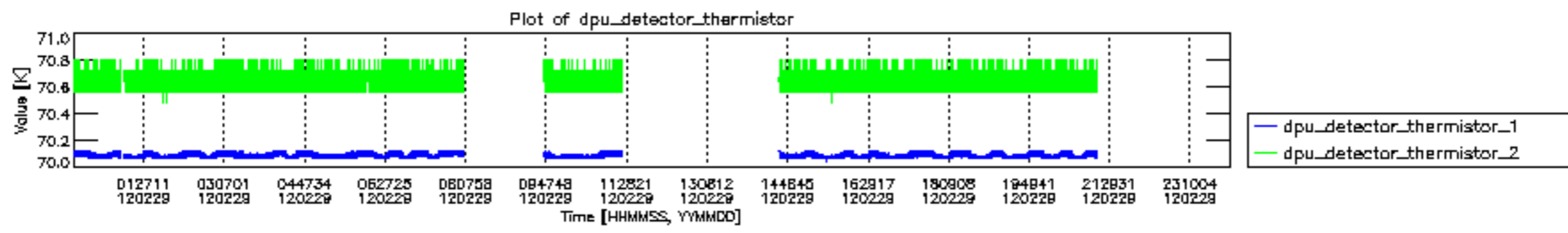


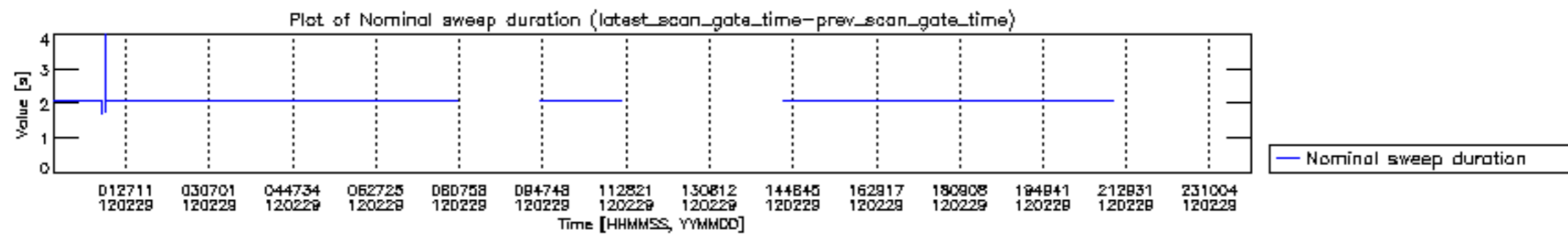
mipas_daily_report_level0_KSPT_L0_4504_N_20120229_13.PNG

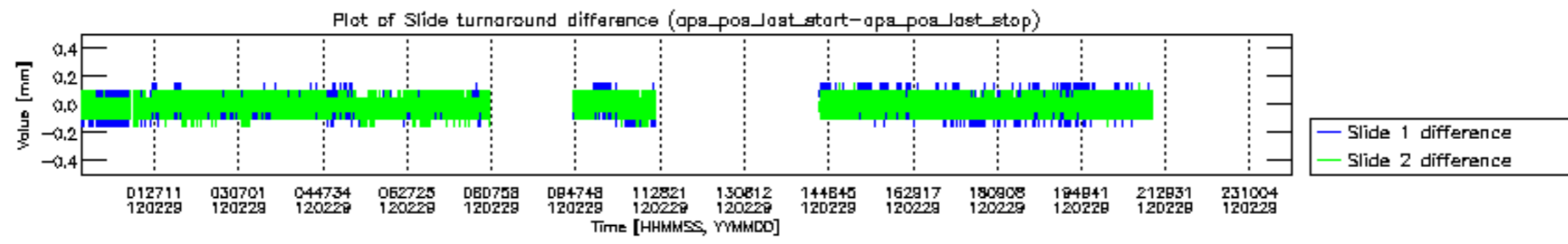


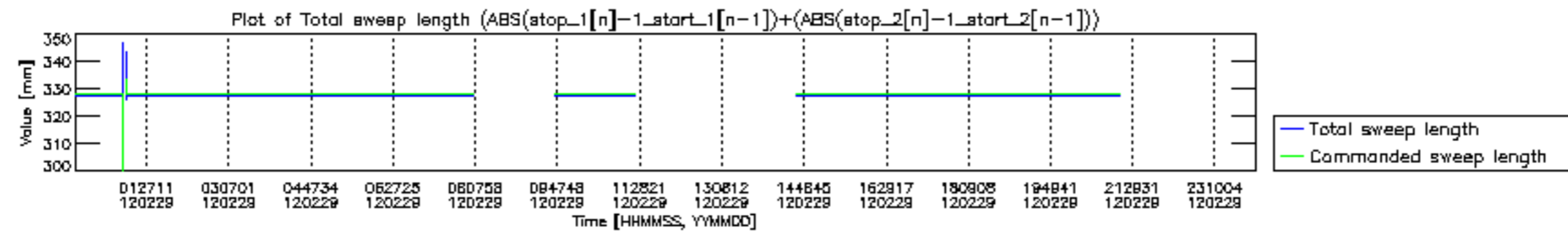


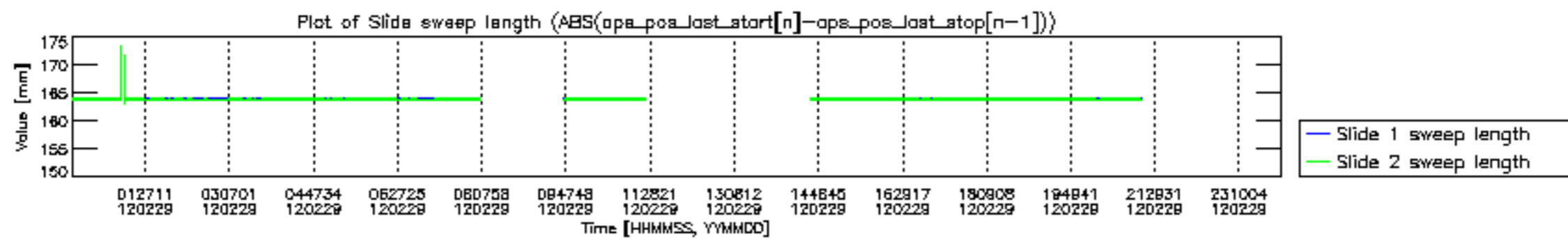


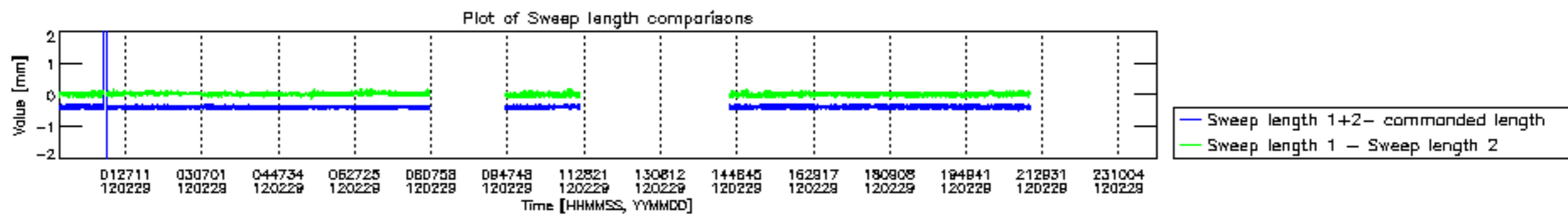


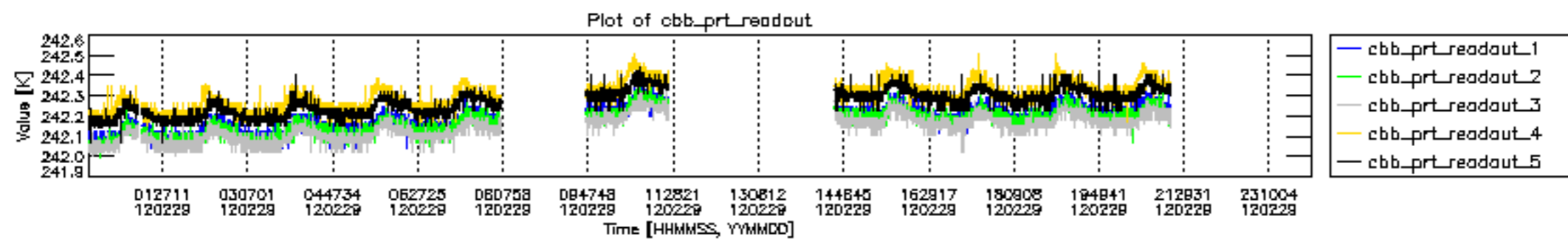


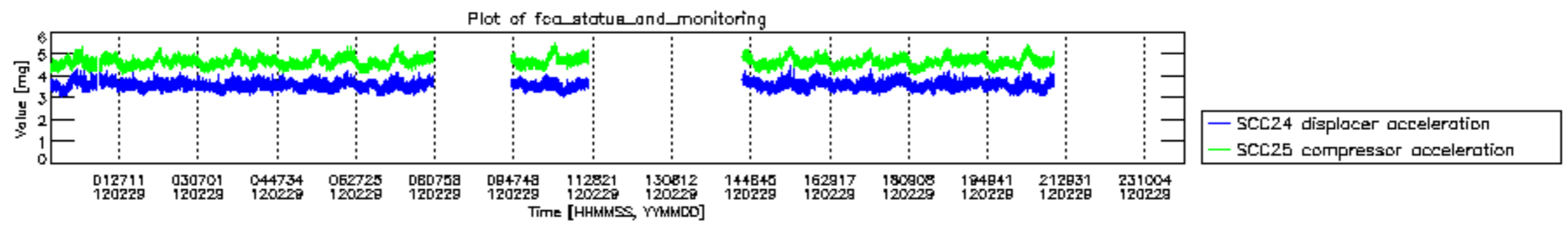












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

