

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	10MAR2012 05:23:34
Data source version	KSPT_L0/4504-N
Processing scope for products	05MAR2012 00:00:00 to 06MAR2012 00:00:00
Start time of first product within scope	05MAR2012 00:58:57
Stop time of last product within scope	06MAR2012 00:23:16
Total number of level 0 products	9
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.

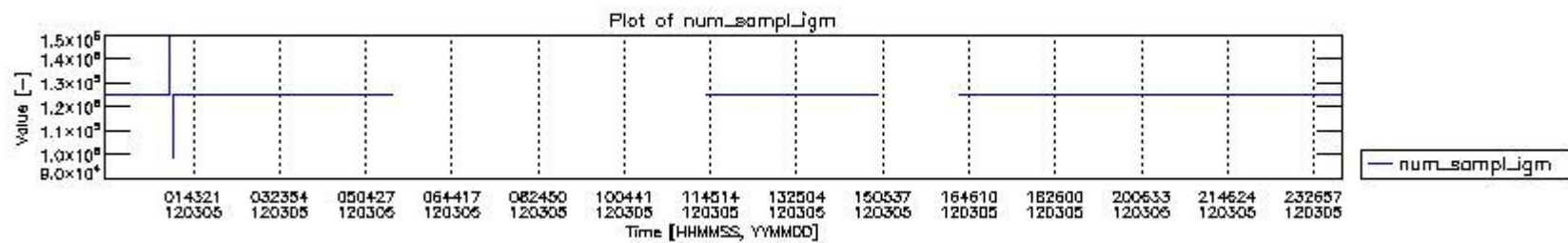
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120305_005857_000103213112_00203_52372_1161.N1	05MAR2012 00:58:57	05MAR2012 03:50:58	0	0	0	0	0
1	MIP_NL__0PNPDE20120305_035024_000062133112_00205_52374_1162.N1	05MAR2012 03:50:24	05MAR2012 05:33:57	0	0	0	0	0
2	MIP_NL__0PNPDK20120305_113933_000060463112_00210_52379_8796.N1	05MAR2012 11:39:33	05MAR2012 13:20:19	0	0	0	0	0
3	MIP_NL__0PNPDK20120305_131925_000059413112_00211_52380_8797.N1	05MAR2012 13:19:25	05MAR2012 14:58:26	0	0	0	0	0
4	MIP_NL__0PNPDK20120305_163337_000059733112_00213_52382_8799.N1	05MAR2012 16:33:37	05MAR2012 18:13:10	0	0	0	0	0
5	MIP_NL__0PNPDK20120305_181215_000059333112_00214_52383_8800.N1	05MAR2012 18:12:15	05MAR2012 19:51:08	0	0	0	0	0
6	MIP_NL__0PNPDE20120305_195022_000040423112_00215_52384_1164.N1	05MAR2012 19:50:22	05MAR2012 20:57:45	0	0	0	0	0
7	MIP_NL__0PNPDE20120305_205648_000065053112_00215_52384_1165.N1	05MAR2012 20:56:48	05MAR2012 22:45:13	0	0	0	0	0
8	MIP_NL__0PNPDE20120305_224415_000059413112_00216_52385_1166.N1	05MAR2012 22:44:15	06MAR2012 00:23:16	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

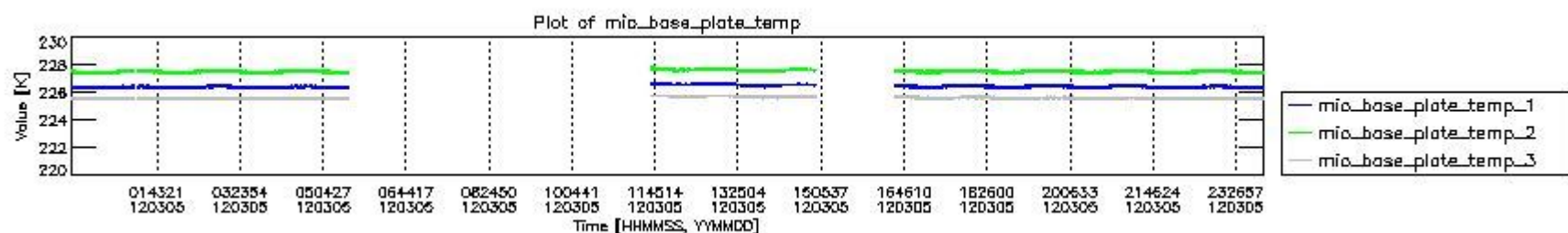
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

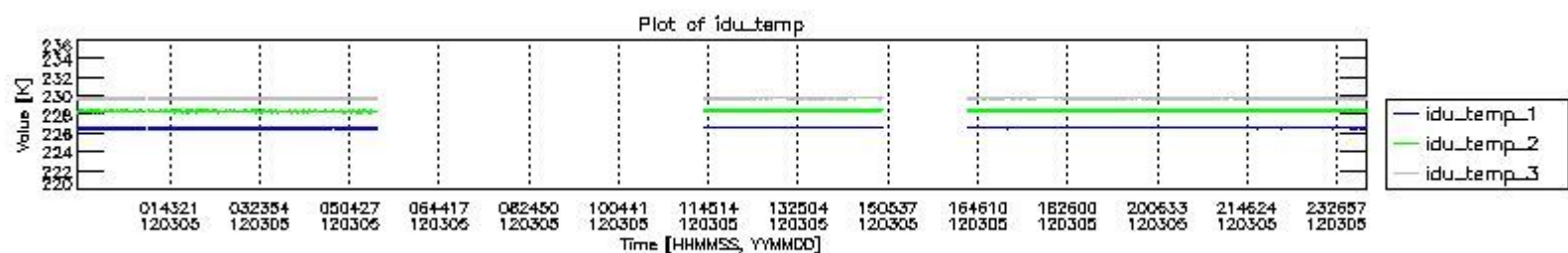
Number of igm samples	Count [#]	Count [%]
98847	1	0.0035545445
123398	1	0.0035545445
124099	1	0.0035545445
124800	26123	92.855366
124803	2004	7.1233071
126862	1	0.0035545445
146994	1	0.0035545445
149056	1	0.0035545445



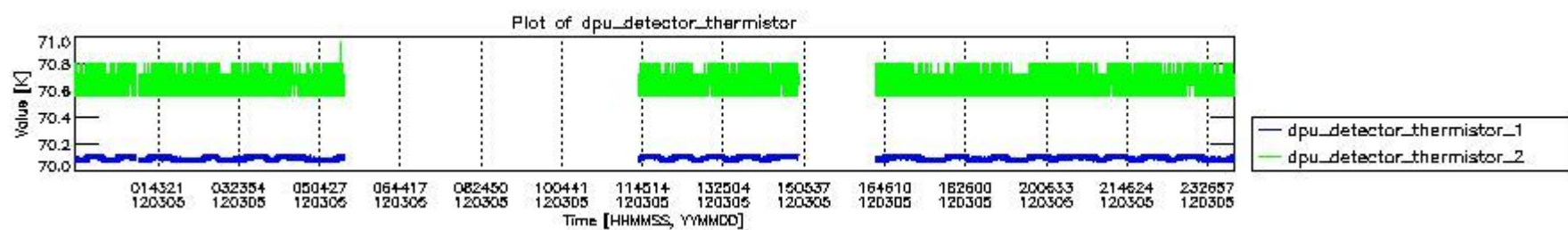
mipas_daily_report_level0_KSPT_L0_4504_N_20120305_0.PNG



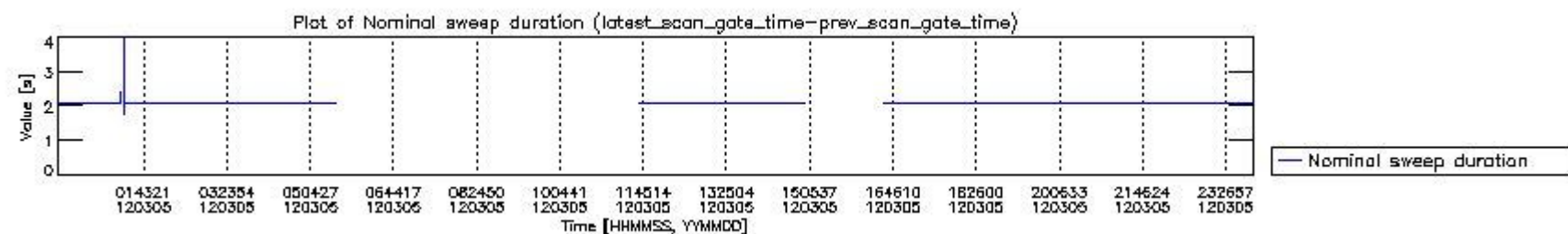
mipas_daily_report_level0_KSPT_L0_4504_N_20120305_1.PNG



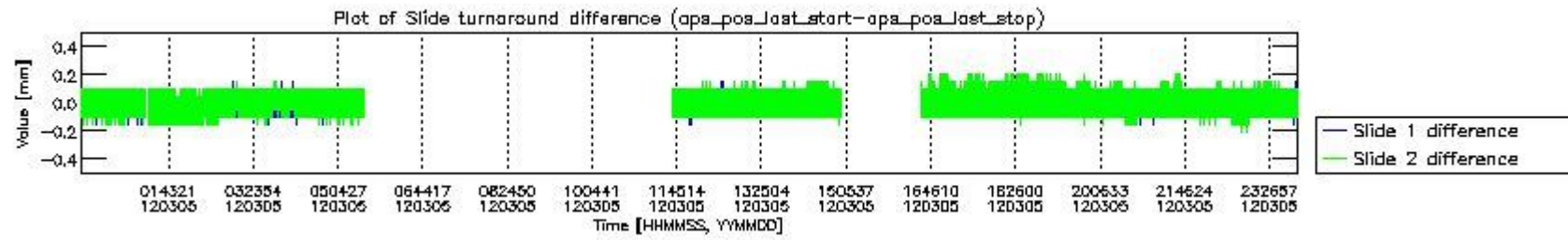
mipas_daily_report_level0_KSPT_L0_4504_N_20120305_2.PNG



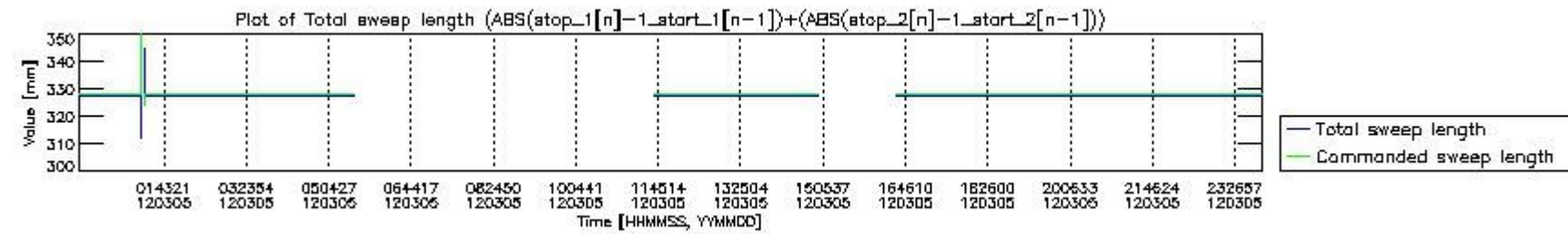
mipas_daily_report_level0_KSPT_L0_4504_N_20120305_3.PNG



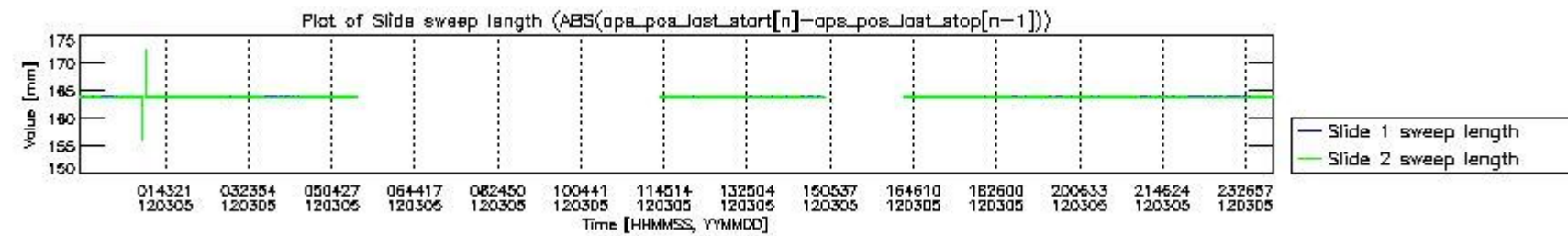
mipas_daily_report_level0_KSPT_L0_4504_N_20120305_4.PNG



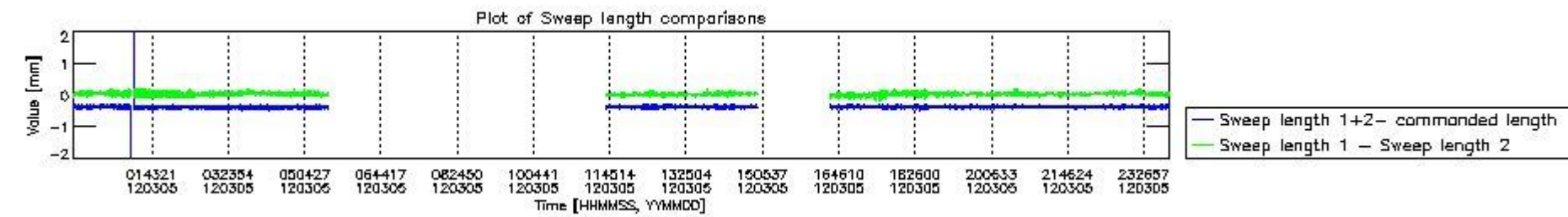
mipas_daily_report_level0_KSPT_L0_4504_N_20120305_5.PNG



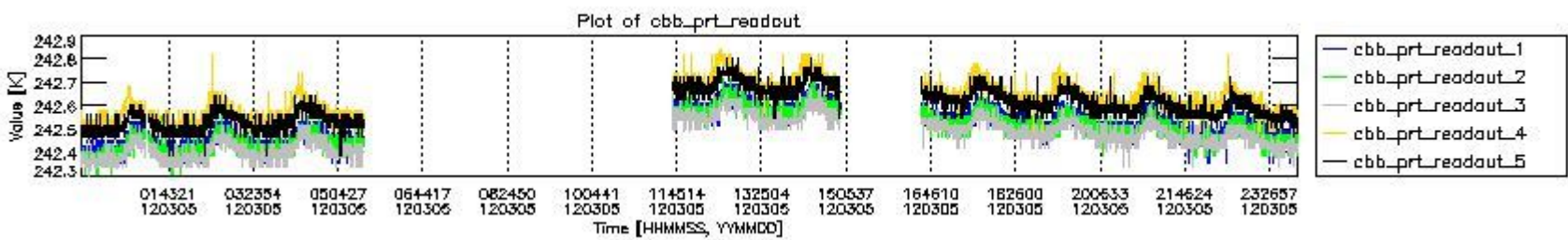
mipas_daily_report_level0_KSPT_L0_4504_N_20120305_6.PNG



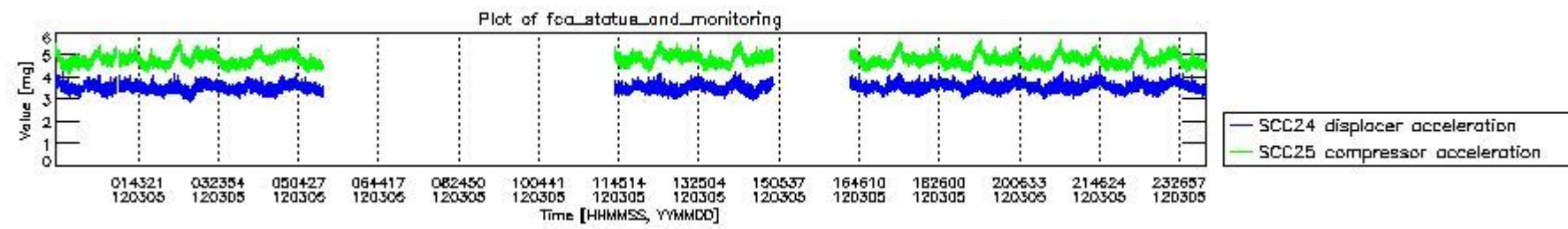
mipas_daily_report_level0_KSPT_L0_4504_N_20120305_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120305_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120305_9.PNG

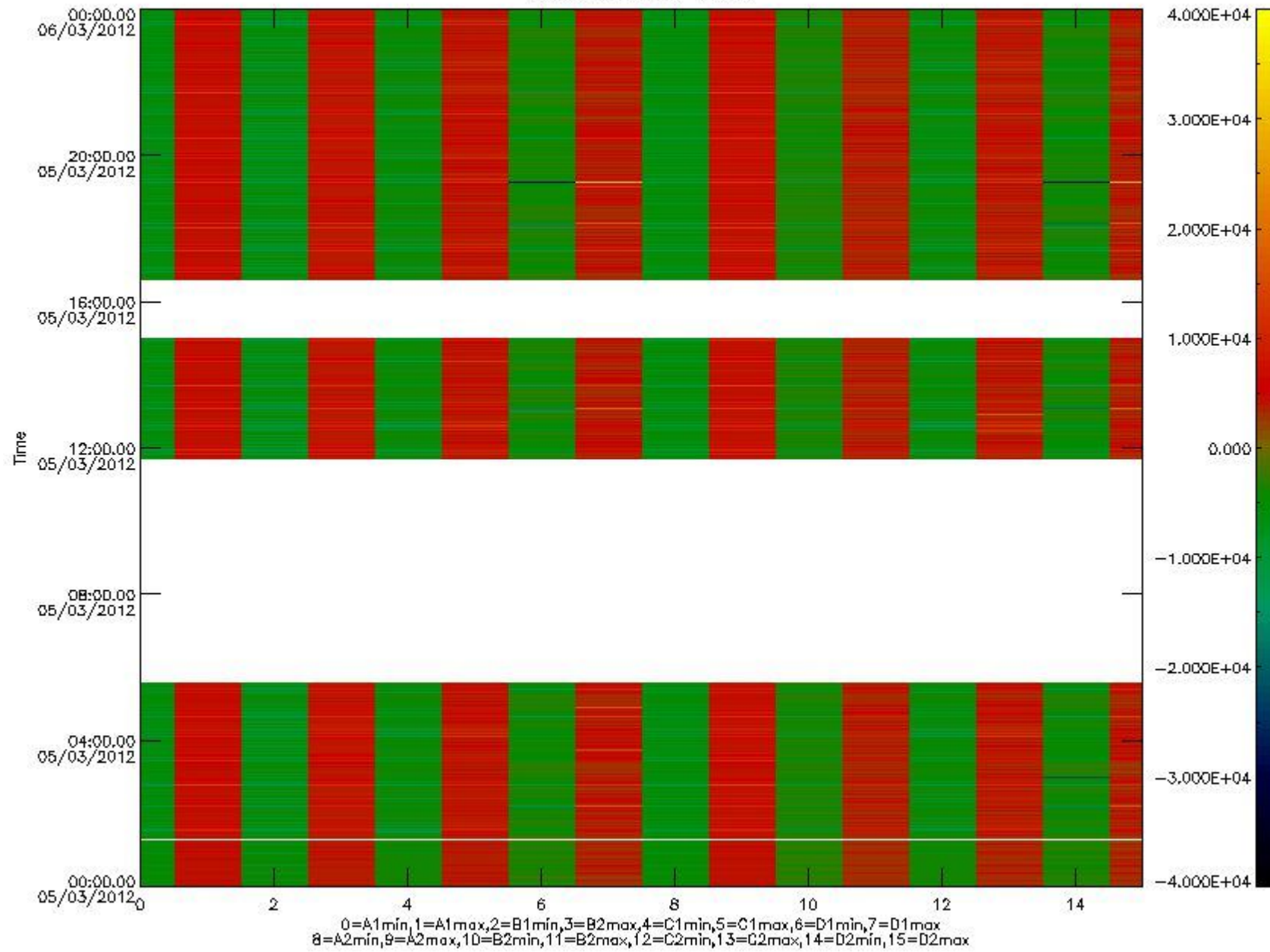


mipas_daily_report_level0_KSPT_L0_4504_N_20120305_10.PNG

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

Channel	Min	Max	ADC
A1	-16792	17464	16bit
B1	-16630	14471	16bit
C1	-22685	17149	16bit
D1	-32768	32767	16bit
A2	-14362	17311	16bit
B2	-13332	13204	16bit
C2	-17671	20729	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_20120305_11.PNG

0.3 ADF monitoring

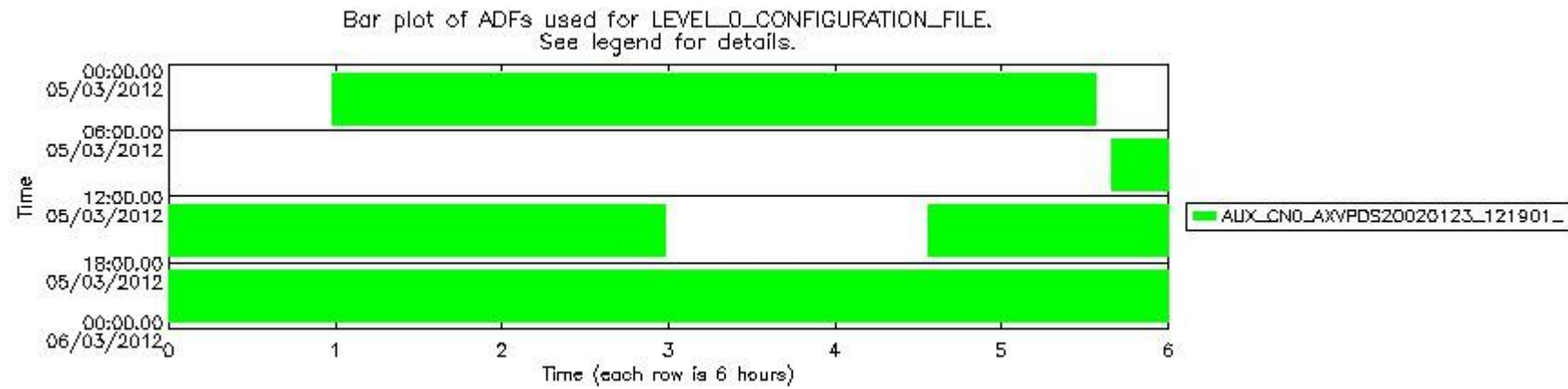
The use of ADFs is shown in two ways:

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.

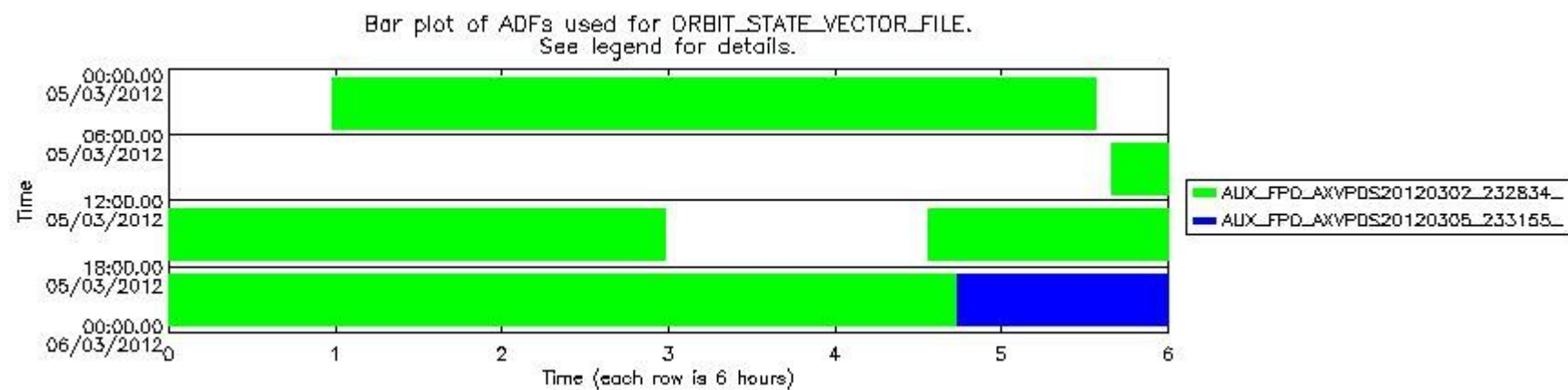
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120302_232834_20120301_184045_20120311_205427
2	AUX_FPO_AXVPDS20120305_233155_20120305_193414_20120315_200740

Number	Product name	#CN0	#FPO
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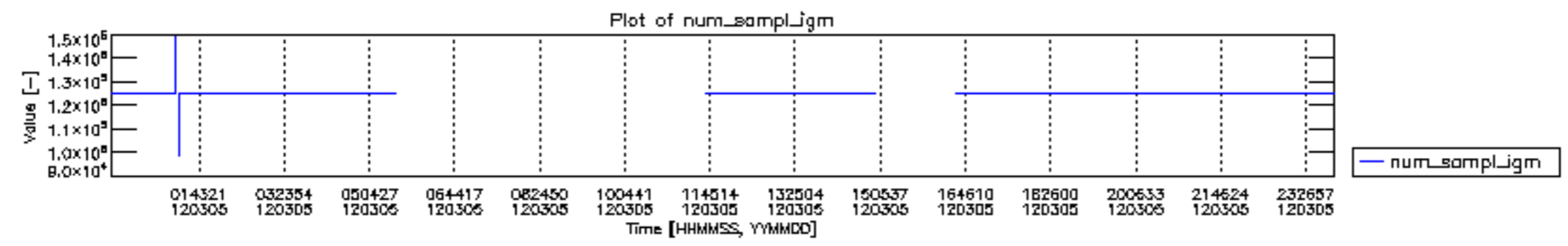
0	MIP_NL__0PNPDE20120305_005857_000103213112_00203_52372_1161.N1	0	1
1	MIP_NL__0PNPDE20120305_035024_000062133112_00205_52374_1162.N1	0	1
2	MIP_NL__0PNPDK20120305_113933_000060463112_00210_52379_8796.N1	0	1
3	MIP_NL__0PNPDK20120305_131925_000059413112_00211_52380_8797.N1	0	1
4	MIP_NL__0PNPDK20120305_163337_000059733112_00213_52382_8799.N1	0	1
5	MIP_NL__0PNPDK20120305_181215_000059333112_00214_52383_8800.N1	0	1
6	MIP_NL__0PNPDE20120305_195022_000040423112_00215_52384_1164.N1	0	1
7	MIP_NL__0PNPDE20120305_205648_000065053112_00215_52384_1165.N1	0	1
8	MIP_NL__0PNPDE20120305_224415_000059413112_00216_52385_1166.N1	0	2

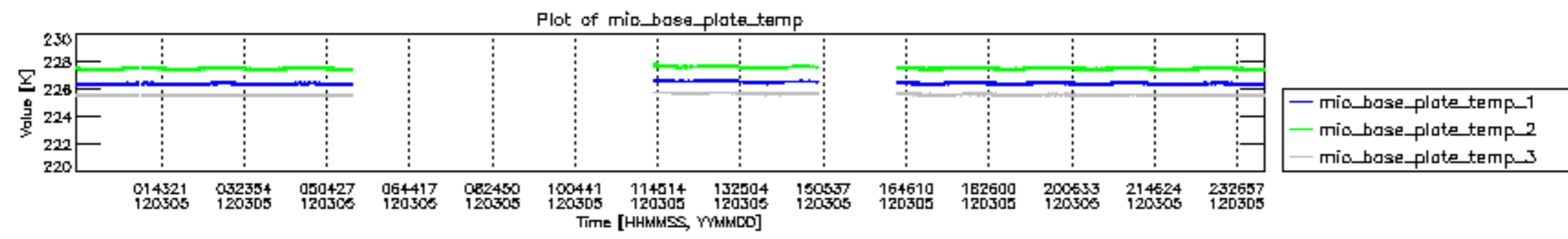


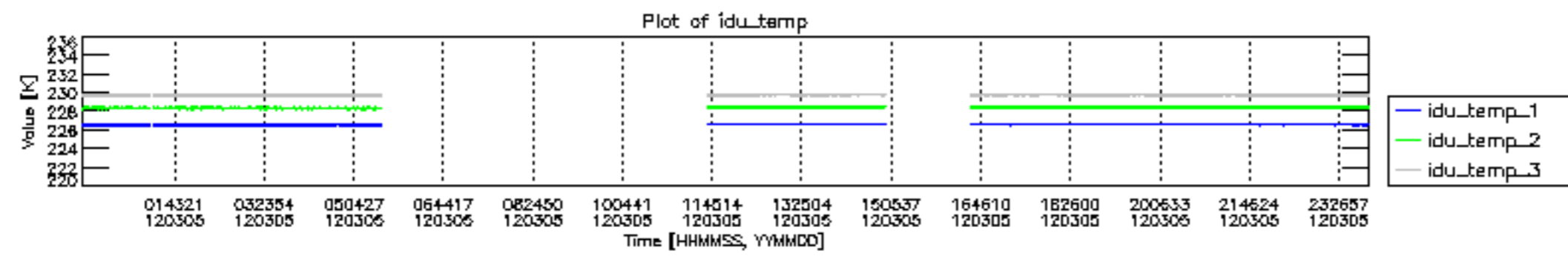
mipas_daily_report_level0_KSPT_L0_4504_N_20120305_12.PNG

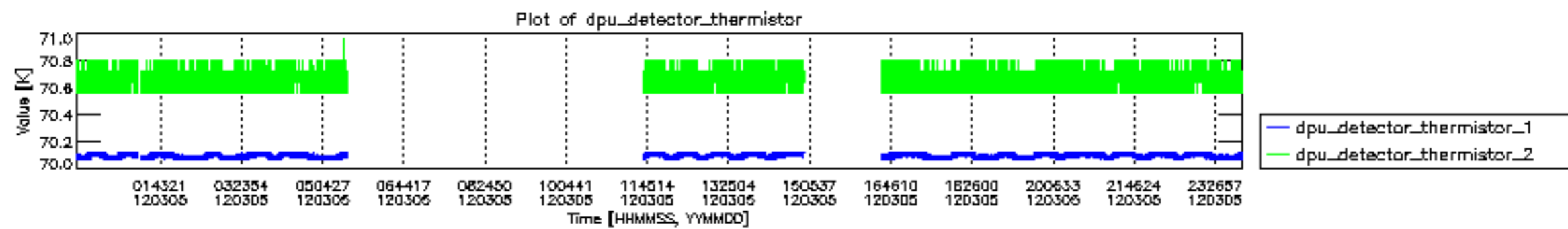


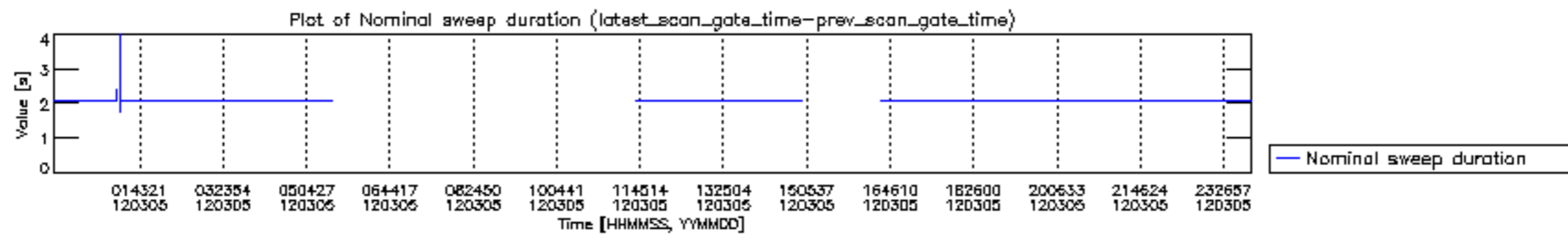
mipas_daily_report_level0_KSPT_L0_4504_N_20120305_13.PNG

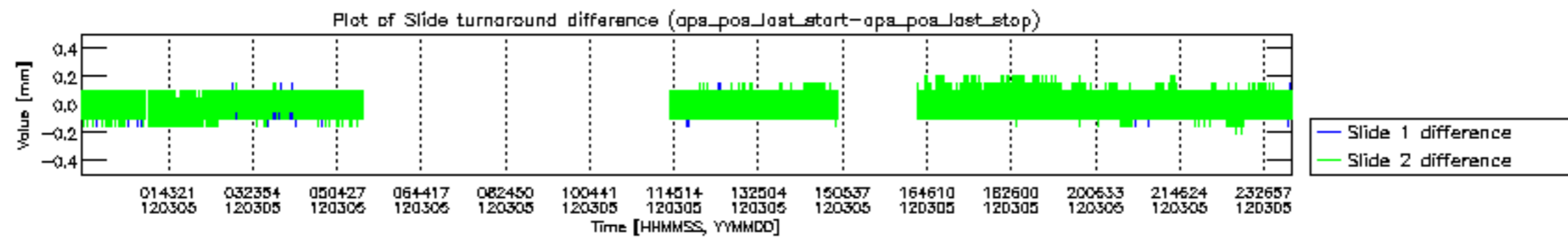


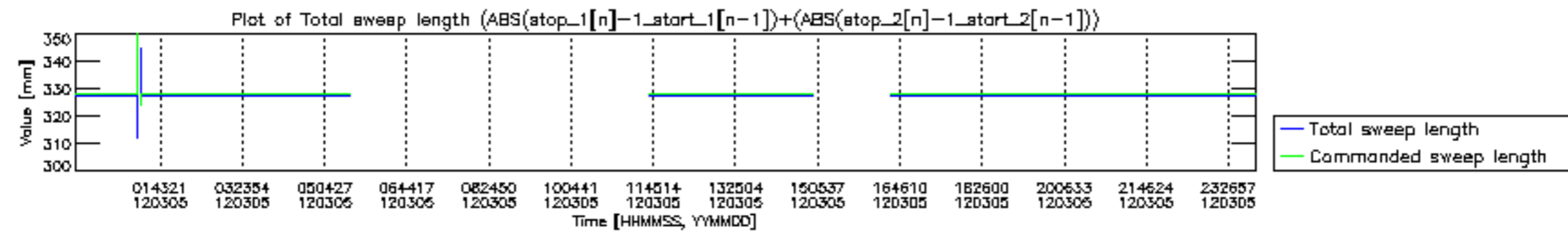


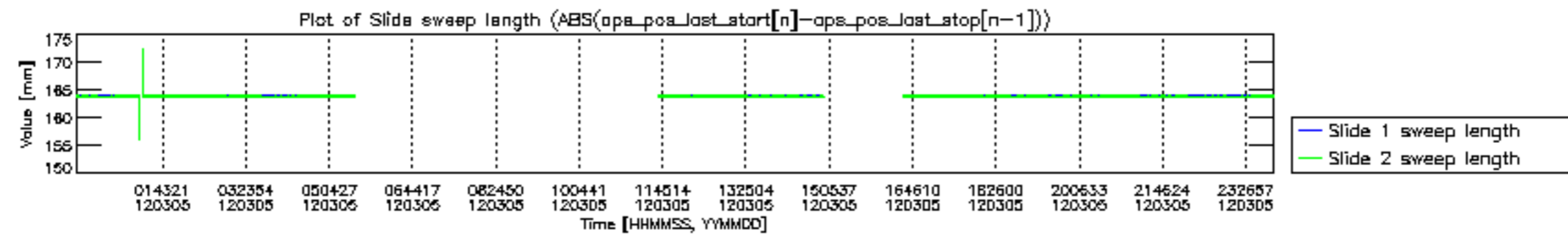


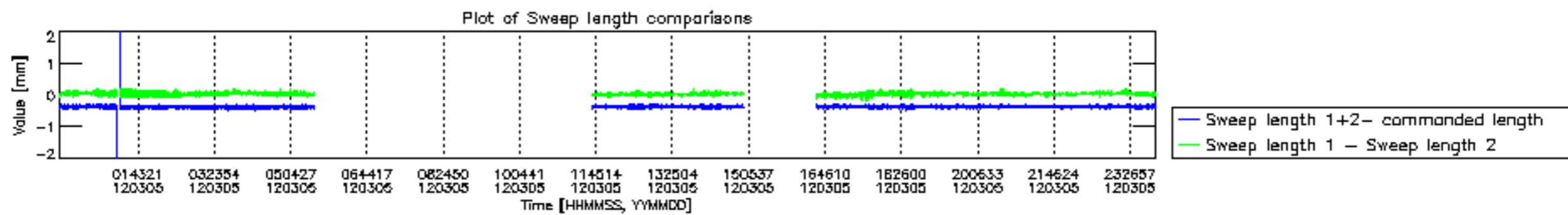


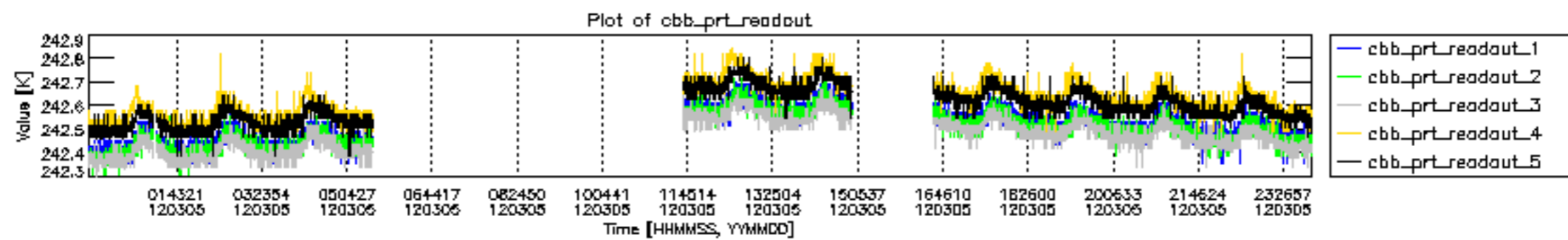


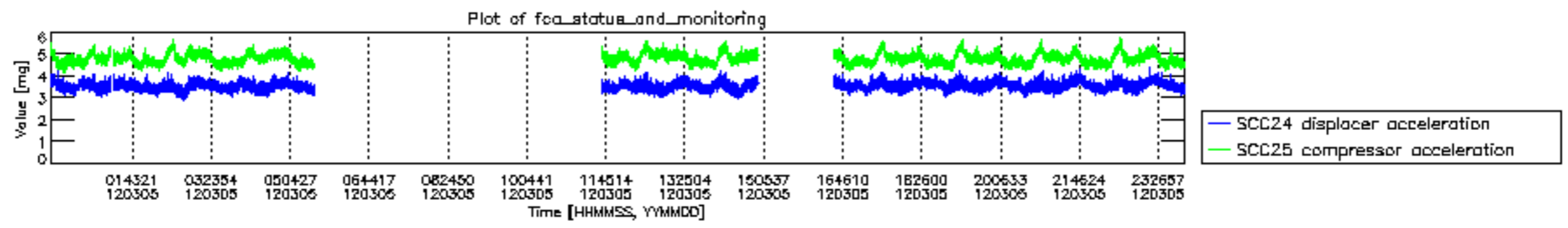












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

