

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	10JAN2012 05:28:58
Data source version	KSPT_L0/4504-N
Processing scope for products	05JAN2012 00:00:00 to 06JAN2012 00:00:00
Start time of first product within scope	05JAN2012 00:59:08
Stop time of last product within scope	06JAN2012 00:23:37
Total number of level 0 products	14
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__0PNPDE20120105_005908_000102673110_00203_51510_5279.N1	05JAN2012 00:59:08	05JAN2012 03:50:15	0	0	0	0	0
1	MIP_NL__0PNPDE20120105_014210_000076853110_00204_51511_0567.N1	05JAN2012 01:42:10	05JAN2012 03:50:15	0	0	0	0	0
2	MIP_NL__0PNPDE20120105_034942_000061983110_00205_51512_5280.N1	05JAN2012 03:49:42	05JAN2012 05:33:00	0	0	0	0	0
3	MIP_NL__0PNPDE20120105_053226_000060693110_00206_51513_5281.N1	05JAN2012 05:32:26	05JAN2012 07:13:35	0	0	0	0	0
4	MIP_NL__0PNPDK20120105_081854_000062203110_00208_51515_7988.N1	05JAN2012 08:18:54	05JAN2012 10:02:33	0	0	0	0	0
5	MIP_NL__0PNPDK20120105_100053_000060393110_00209_51516_7989.N1	05JAN2012 10:00:53	05JAN2012 11:41:32	0	0	0	0	0
6	MIP_NL__0PNPDK20120105_113948_000059353110_00210_51517_7990.N1	05JAN2012 11:39:48	05JAN2012 13:18:43	0	0	0	0	0
7	MIP_NL__0PNPDK20120105_131744_000059663110_00211_51518_7991.N1	05JAN2012 13:17:44	05JAN2012 14:57:11	0	0	0	0	0
8	MIP_NL__0PNPDK20120105_145625_000059433110_00212_51519_7992.N1	05JAN2012 14:56:25	05JAN2012 16:35:28	0	0	0	0	0
9	MIP_NL__0PNPDK20120105_163348_000059293110_00213_51520_7993.N1	05JAN2012 16:33:48	05JAN2012 18:12:36	0	0	0	0	0
10	MIP_NL__0PNPDK20120105_181131_000058353110_00214_51521_7994.N1	05JAN2012 18:11:31	05JAN2012 19:48:46	0	0	0	0	0
11	MIP_NL__0PNPDE20120105_194739_000042113110_00215_51522_5282.N1	05JAN2012 19:47:39	05JAN2012 20:57:50	0	0	0	0	0
12	MIP_NL__0PNPDE20120105_205619_000064743110_00215_51522_5283.N1	05JAN2012 20:56:19	05JAN2012 22:44:12	0	0	0	0	0
13	MIP_NL__0PNPDE20120105_224222_000060753110_00216_51523_5284.N1	05JAN2012 22:42:22	06JAN2012 00:23:37	0	0	0	0	0

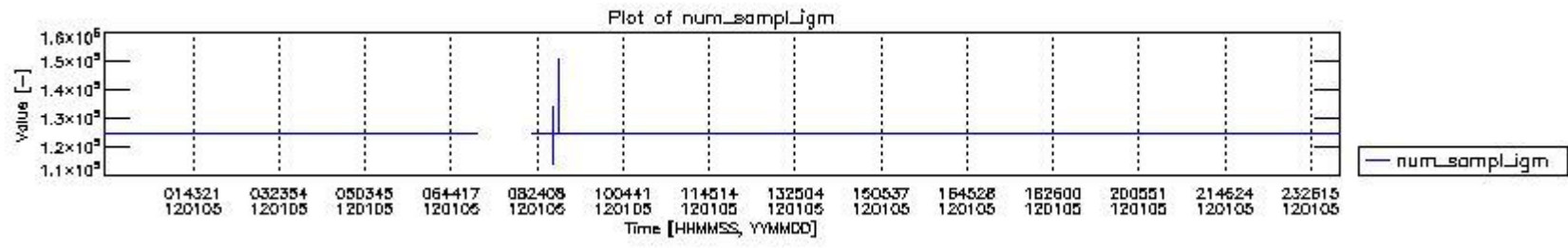
0.2 Instrument Operational Performance Parameters

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.

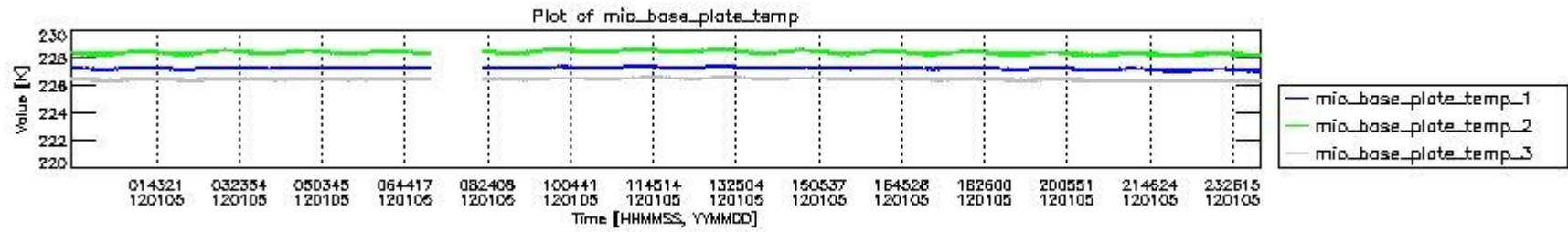
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
113926	1	0.0025148375
123184	1	0.0025148375
124800	36739	92.392616
124803	3019	7.5922945

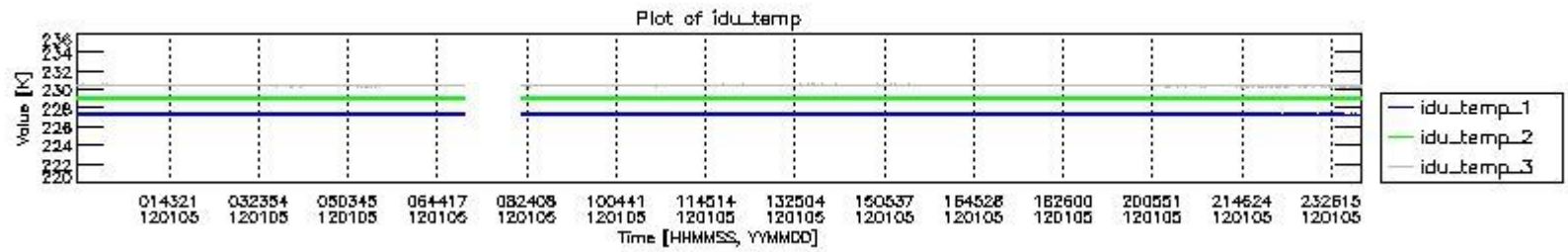
127531	1	0.0025148375
134058	1	0.0025148375
147663	1	0.0025148375
150394	1	0.0025148375



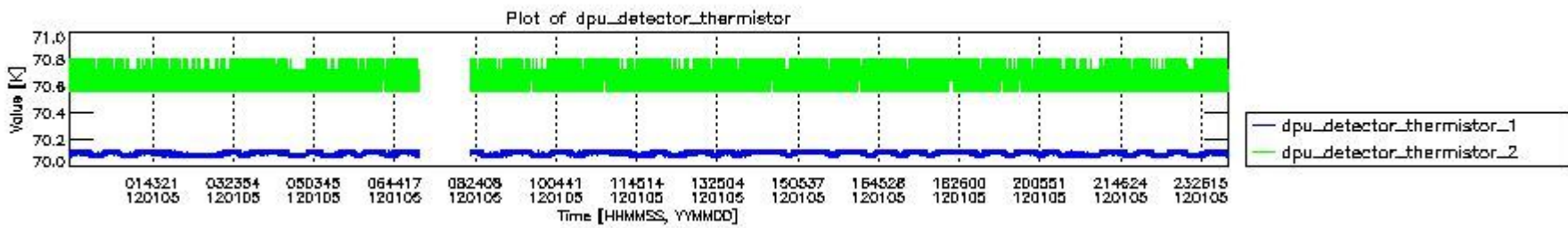
mipas_daily_report_level0_KSPT_L0_4504_N_20120105_0.PNG



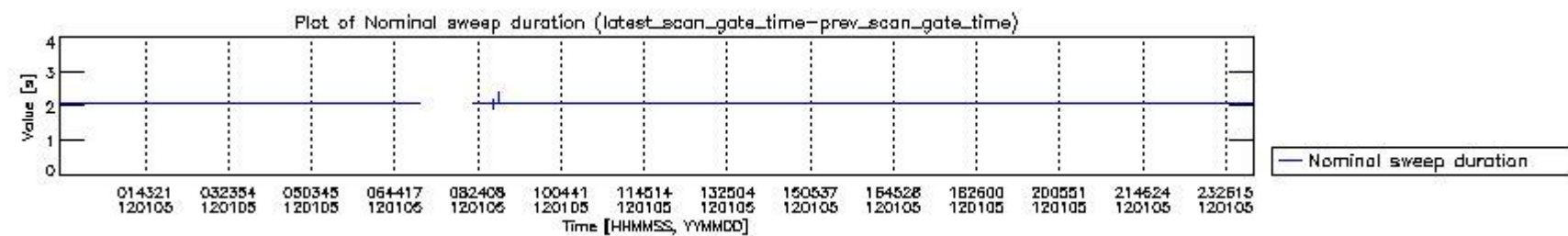
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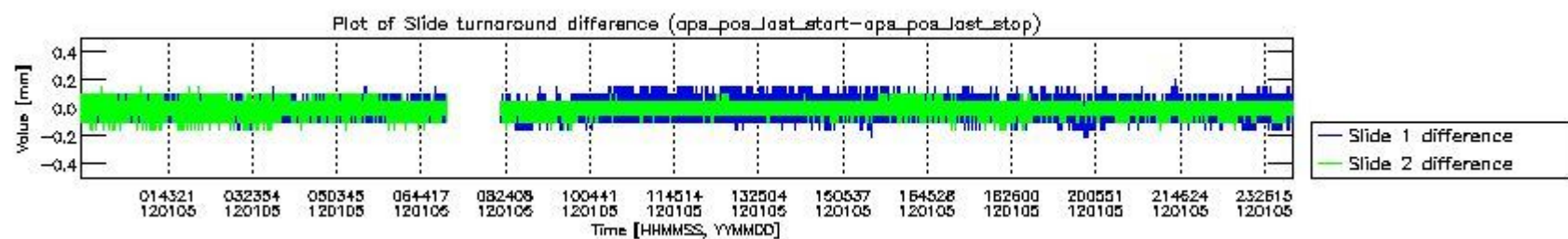
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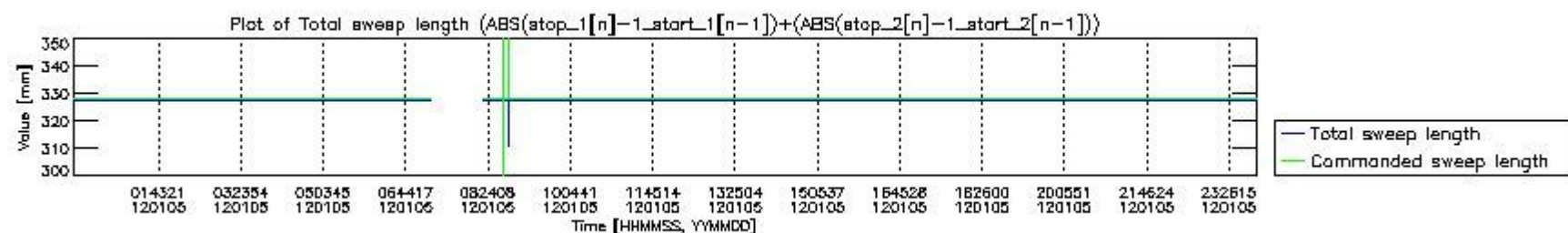
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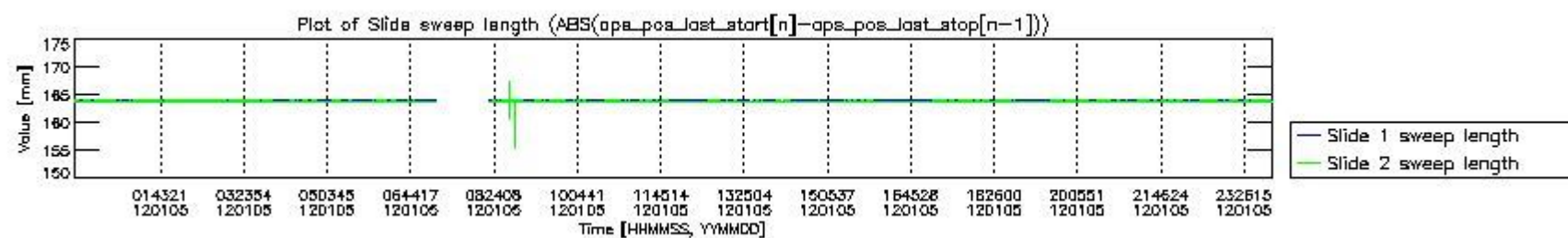
mipas_daily_report_level0_KSPT_L0_4504_N_20120105_4.PNG



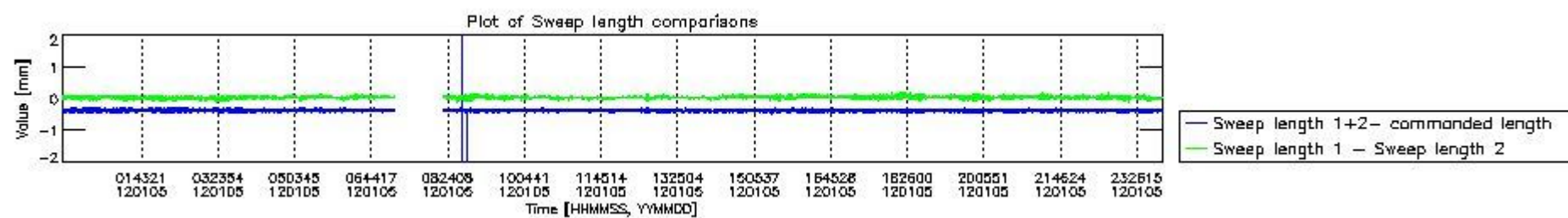
mipas_daily_report_level0_KSPT_L0_4504_N_20120105_5.PNG



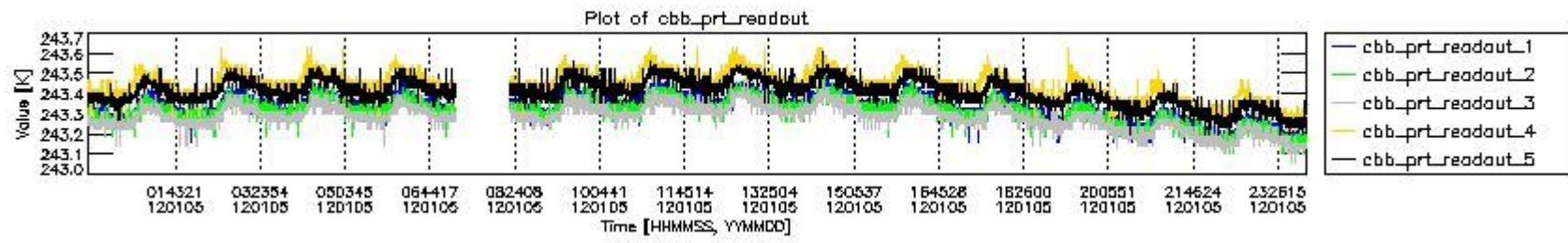
mipas_daily_report_level0_KSPT_L0_4504_N_20120105_6.PNG



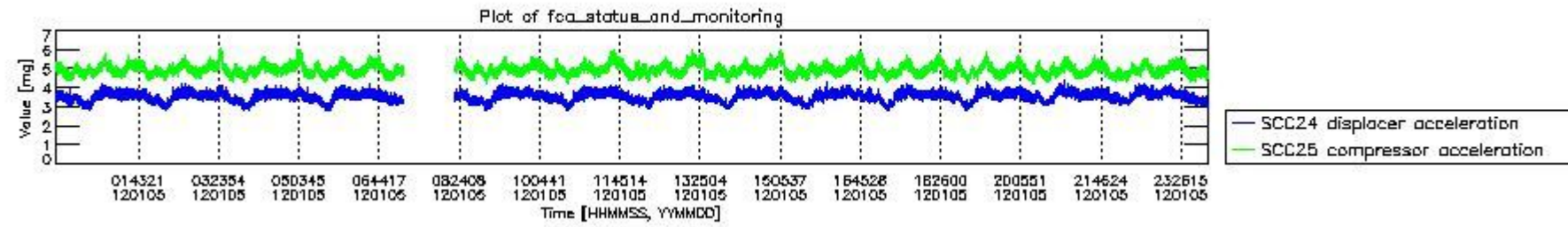
mipas_daily_report_level0_KSPT_L0_4504_N_20120105_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120105_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120105_9.PNG

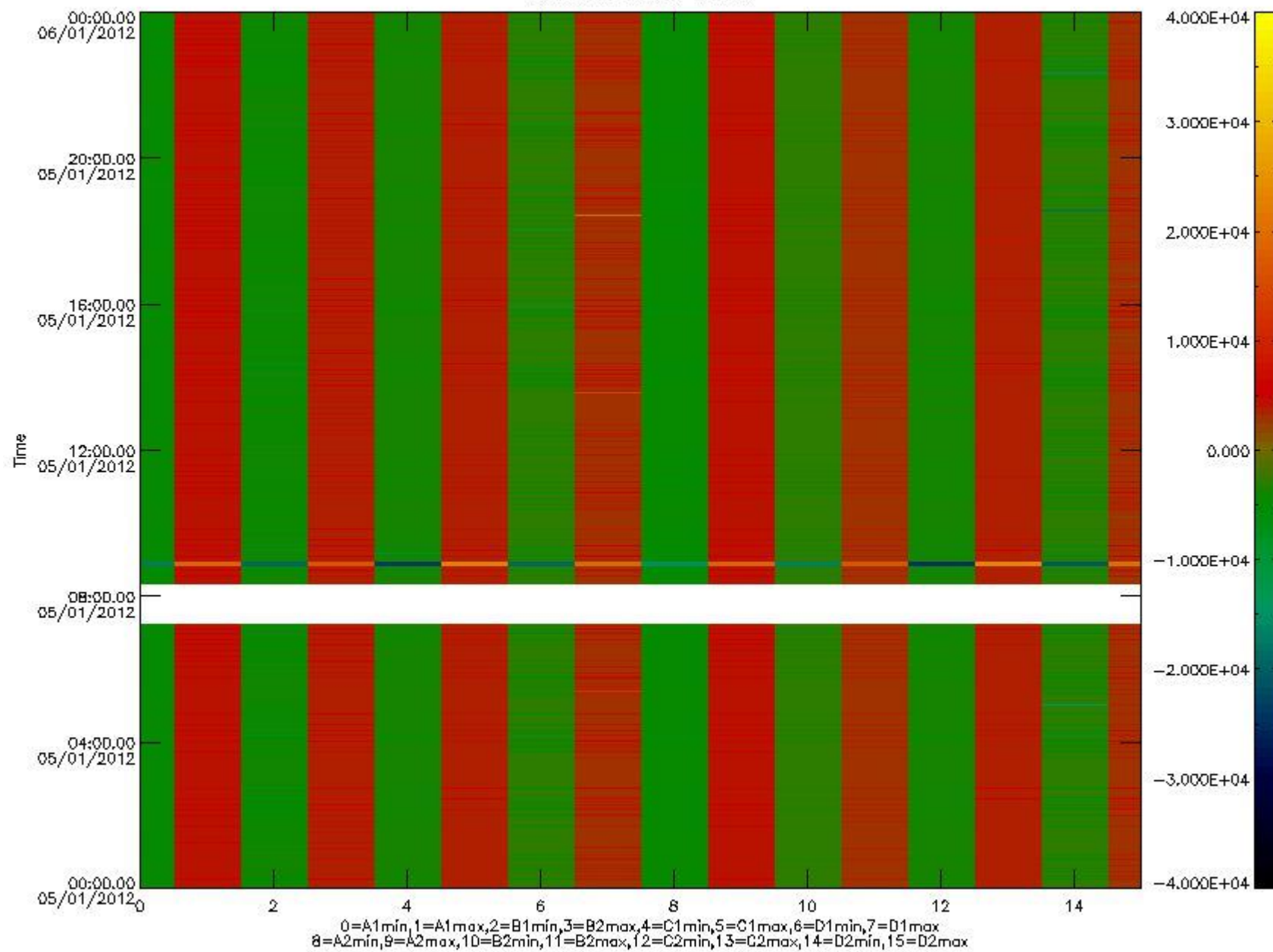


mipas_daily_report_level0_KSPT_L0_4504_N_20120105_10.PNG

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

Channel	Min	Max	ADC
A1	-17750	18739	16bit
B1	-19764	17062	16bit
C1	-24442	23469	16bit
D1	-19509	32767	16bit
A2	-15443	18970	16bit
B2	-17578	17292	16bit
C2	-24577	24139	16bit
D2	-32768	21257	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120105_11.PNG

0.3 ADF monitoring

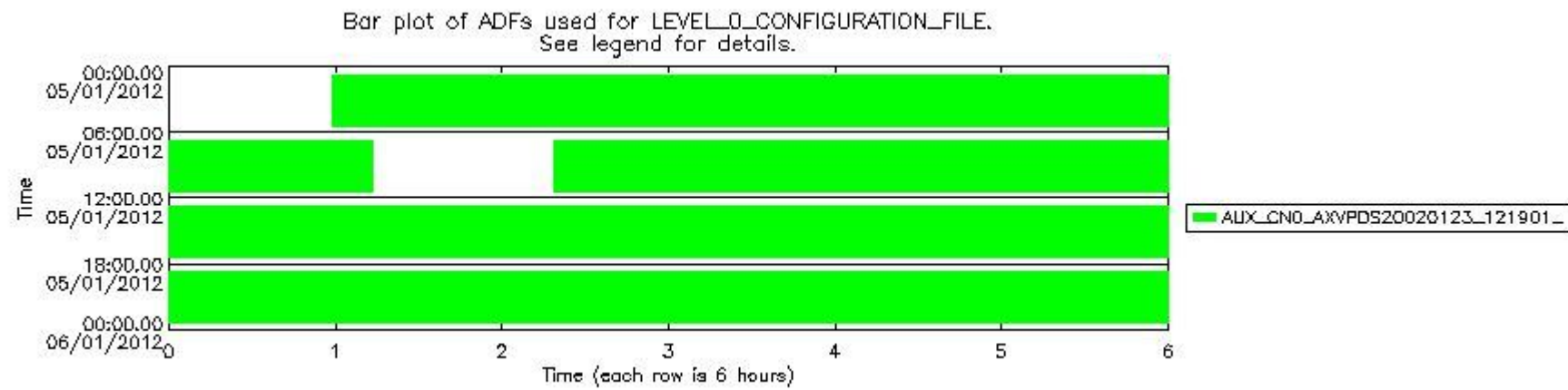
The use of ADFs is shown in two ways:

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.

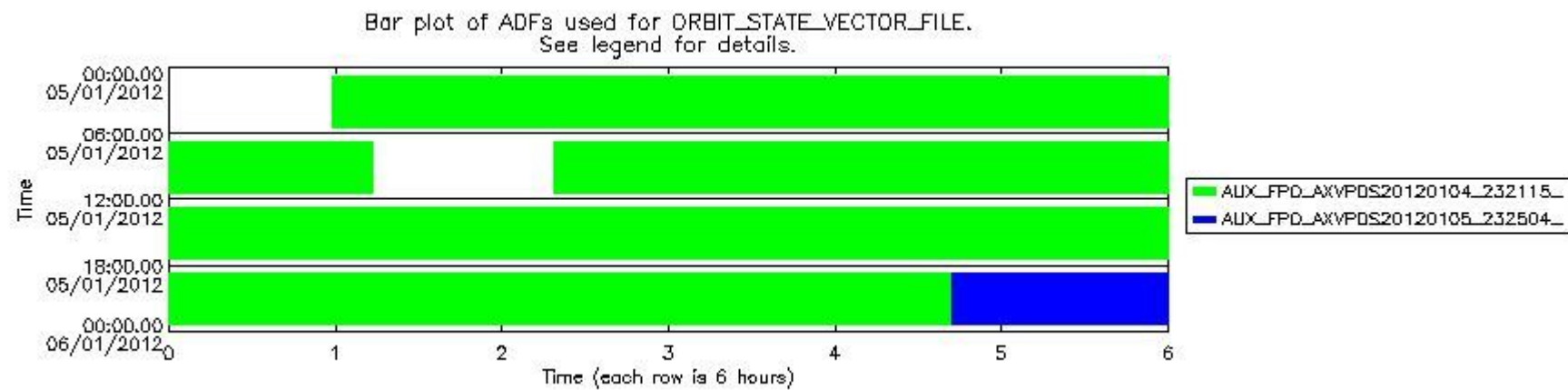
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120104_232115_20120104_183037_20120114_204417
2	AUX_FPO_AXVPDS20120105_232504_20120105_193406_20120115_200732

Number	Product name	#CN0	#FPO
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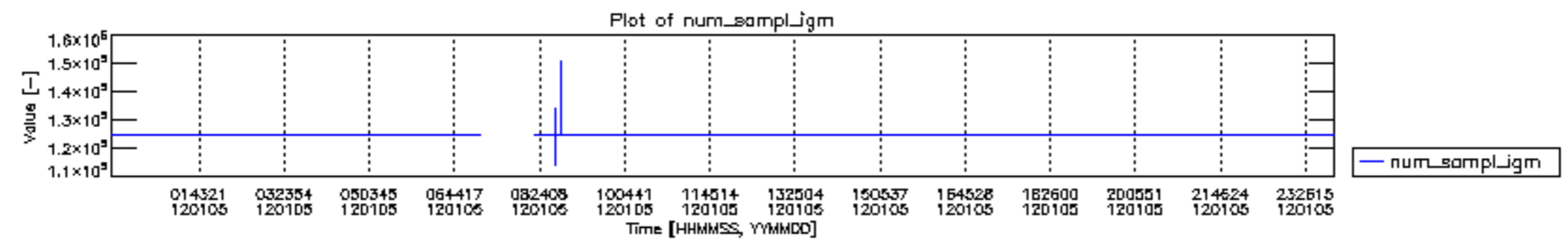
0	MIP_NL__0PNPDE20120105_005908_000102673110_00203_51510_5279.N1	0	1
1	MIP_NL__0PNPDE20120105_014210_000076853110_00204_51511_0567.N1	0	1
2	MIP_NL__0PNPDE20120105_034942_000061983110_00205_51512_5280.N1	0	1
3	MIP_NL__0PNPDE20120105_053226_000060693110_00206_51513_5281.N1	0	1
4	MIP_NL__0PNPDK20120105_081854_000062203110_00208_51515_7988.N1	0	1
5	MIP_NL__0PNPDK20120105_100053_000060393110_00209_51516_7989.N1	0	1
6	MIP_NL__0PNPDK20120105_113948_000059353110_00210_51517_7990.N1	0	1
7	MIP_NL__0PNPDK20120105_131744_000059663110_00211_51518_7991.N1	0	1
8	MIP_NL__0PNPDK20120105_145625_000059433110_00212_51519_7992.N1	0	1
9	MIP_NL__0PNPDK20120105_163348_000059293110_00213_51520_7993.N1	0	1
10	MIP_NL__0PNPDK20120105_181131_000058353110_00214_51521_7994.N1	0	1
11	MIP_NL__0PNPDE20120105_194739_000042113110_00215_51522_5282.N1	0	1
12	MIP_NL__0PNPDE20120105_205619_000064743110_00215_51522_5283.N1	0	1
13	MIP_NL__0PNPDE20120105_224222_000060753110_00216_51523_5284.N1	0	2

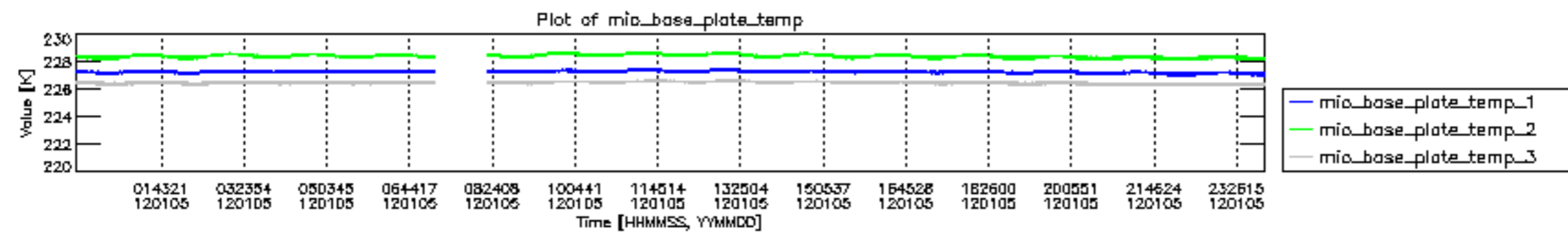


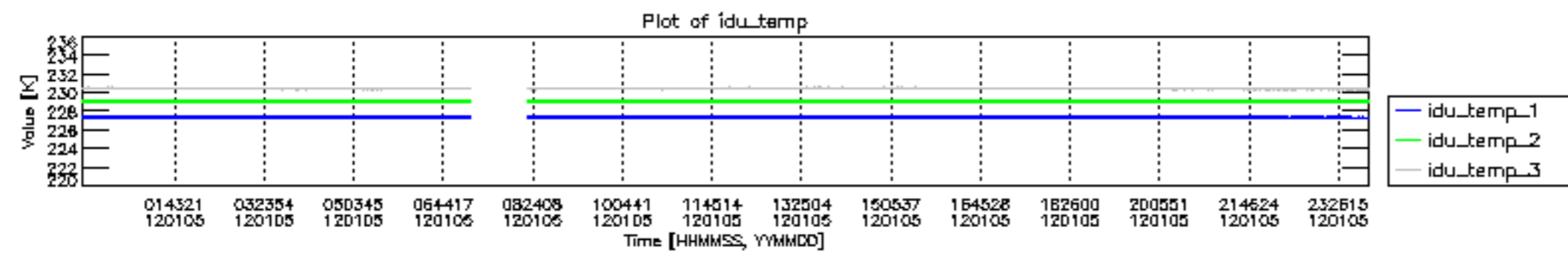
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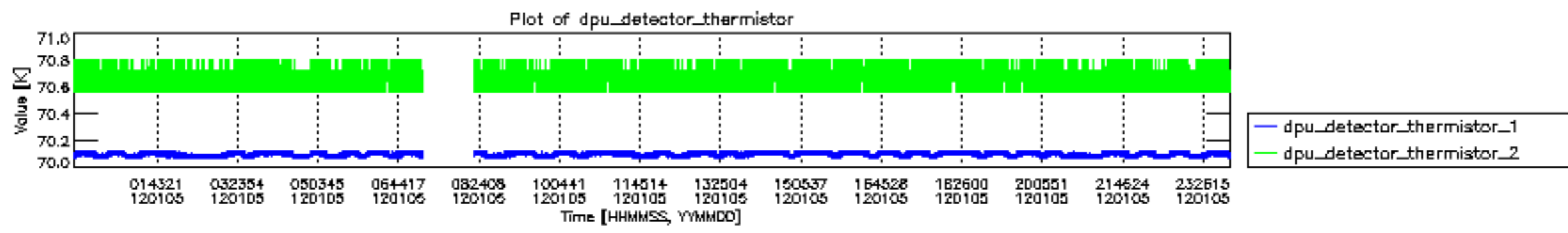


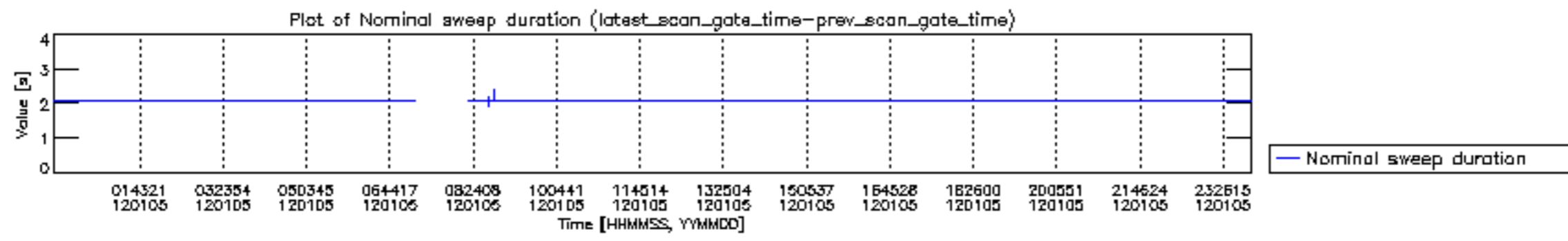
mipas_daily_report_level0_KSPT_L0_4504_N_20120105_13.PNG

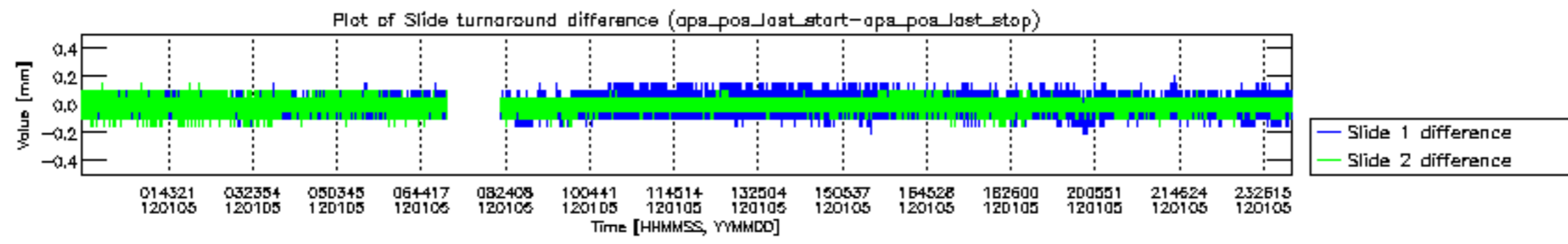


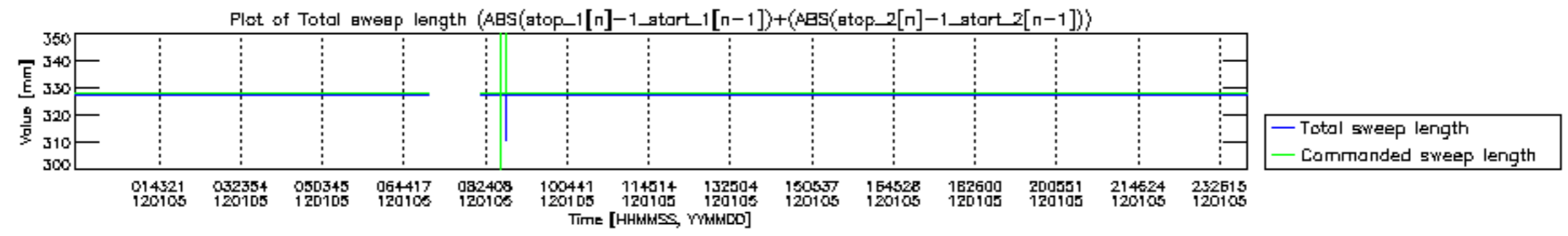


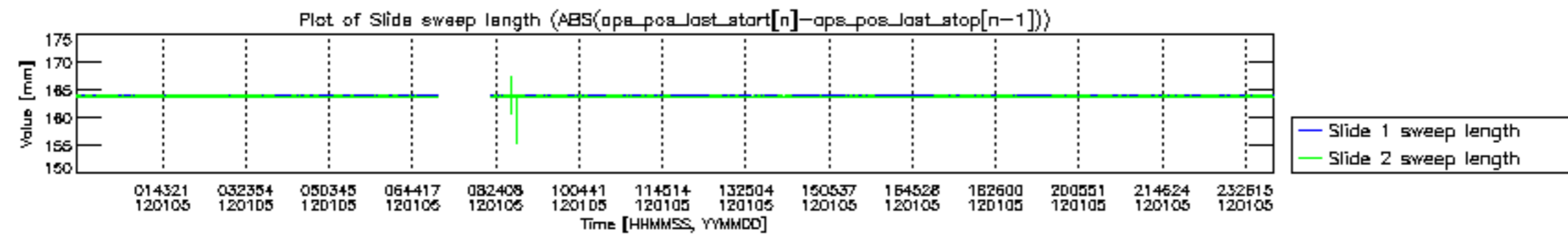


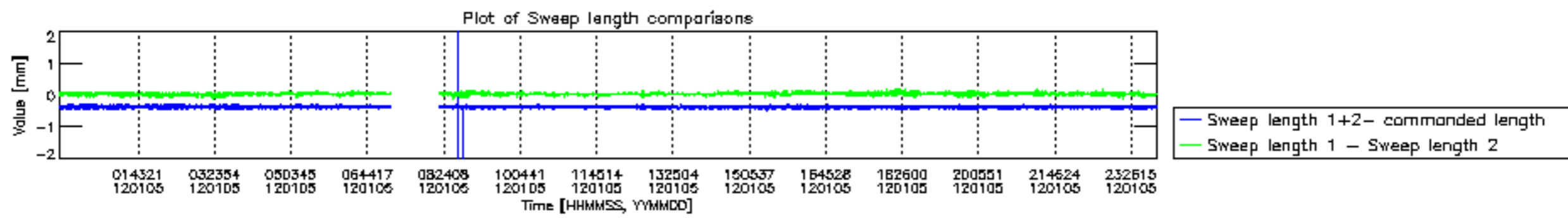


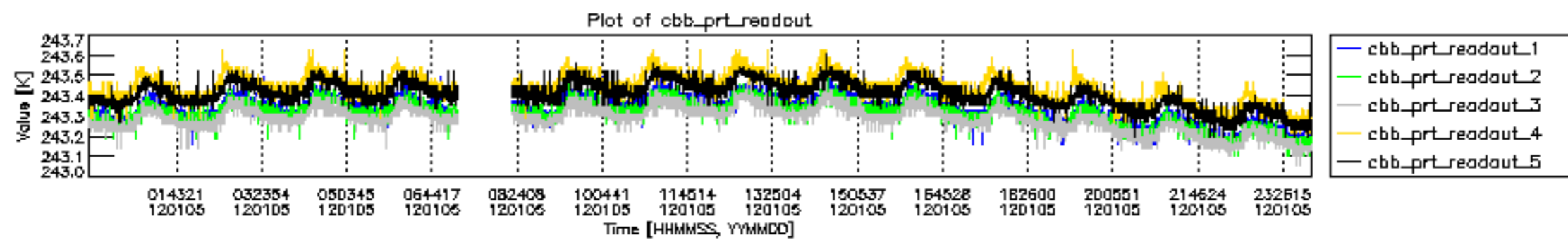


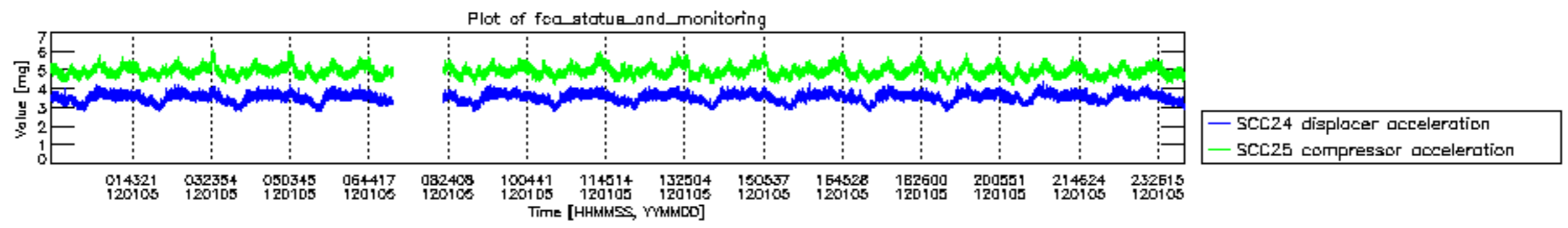












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

