

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	21MAR2012 05:25:22
Data source version	KSPT_L0/4504-N
Processing scope for products	16MAR2012 00:00:00 to 17MAR2012 00:00:00
Start time of first product within scope	16MAR2012 00:57:28
Stop time of last product within scope	17MAR2012 00:21:01
Total number of level 0 products	12
Number of level 0 products with errors	1

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

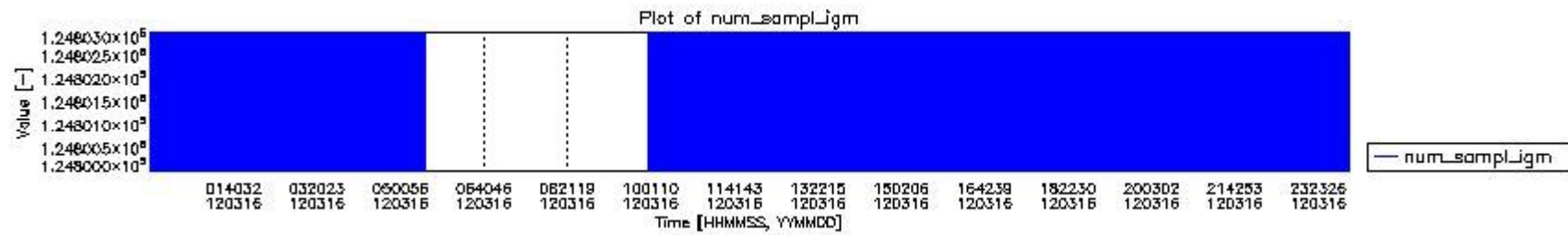
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__OPNPDE20120316_005728_000054003112_00361_52530_1230.N1	16MAR2012 00:57:28	16MAR2012 02:27:28	0	0	0	0	0
1	MIP_NL__OPNPDE20120316_022627_000048093112_00362_52531_1231.N1	16MAR2012 02:26:27	16MAR2012 03:46:36	0	0	0	0	0
2	MIP_NL__OPNPDE20120316_034603_000062463112_00363_52532_1232.N1	16MAR2012 03:46:03	16MAR2012 05:30:09	0	0	0	0	0
3	MIP_NL__OPNPDK20120316_095905_000059273112_00367_52536_8945.N1	16MAR2012 09:59:05	16MAR2012 11:37:51	0	0	0	0	0
4	MIP_NL__OPNPDK20120316_113708_000059983112_00368_52537_8948.N1	16MAR2012 11:37:08	16MAR2012 13:17:05	0	0	0	0	0
5	MIP_NL__OPNPDK20120316_131538_000059103112_00369_52538_8949.N1	16MAR2012 13:15:38	16MAR2012 14:54:07	0	0	0	0	0
6	MIP_NL__OPNPDK20120316_145231_000059603112_00370_52539_8950.N1	16MAR2012 14:52:31	16MAR2012 16:31:51	0	0	0	0	0
7	MIP_NL__OPNPDK20120316_163053_000059773112_00371_52540_8951.N1	16MAR2012 16:30:53	16MAR2012 18:10:30	0	0	0	0	0
8	MIP_NL__OPNPDK20120316_180929_000058223112_00372_52541_8952.N1	16MAR2012 18:09:29	16MAR2012 19:46:31	1	1	0	0	0
9	MIP_NL__OPNPDE20120316_194547_000041033112_00373_52542_1234.N1	16MAR2012 19:45:47	16MAR2012 20:54:10	0	0	0	0	0
10	MIP_NL__OPNPDE20120316_205303_000064283112_00373_52542_1235.N1	16MAR2012 20:53:03	16MAR2012 22:40:11	0	0	0	0	0
11	MIP_NL__OPNPDE20120316_223907_000061153112_00374_52543_1236.N1	16MAR2012 22:39:07	17MAR2012 00:21:01	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

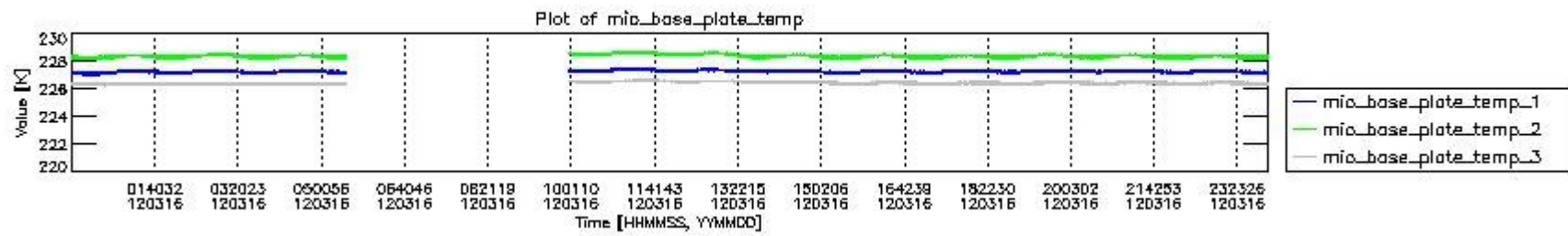
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

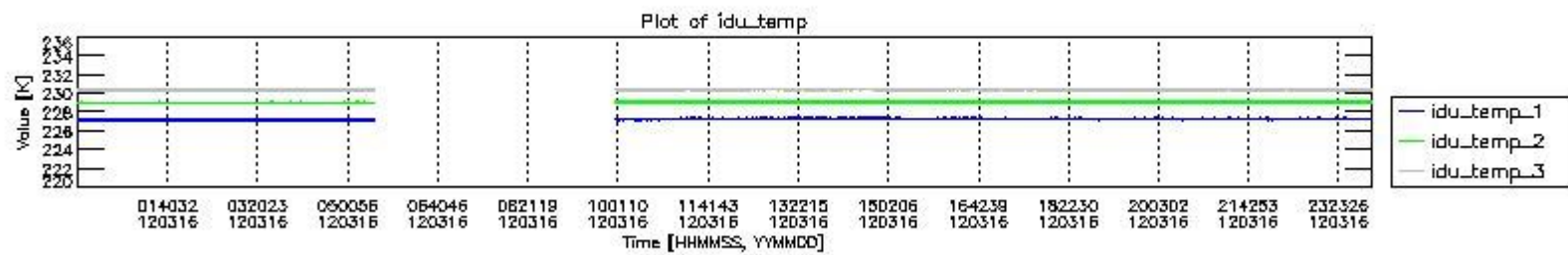
Number of igm samples	Count [#]	Count [%]
124800	31415	92.831181
124803	2426	7.1688189



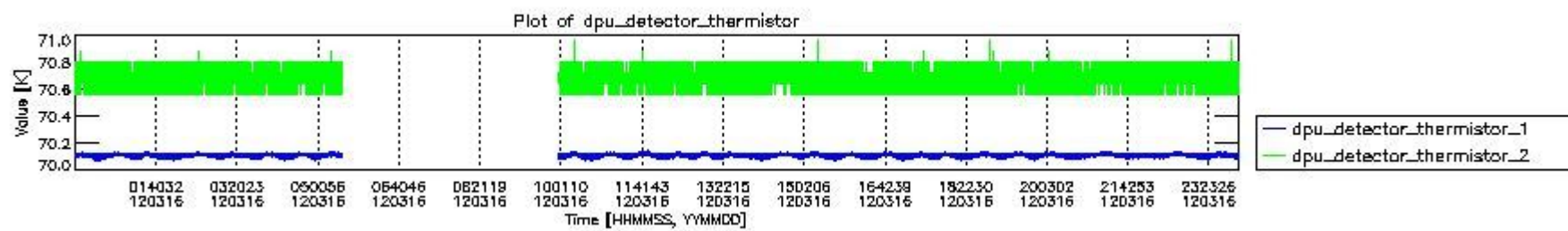
mipas_daily_report_level0_KSPT_L0_4504_N_20120316_0.PNG



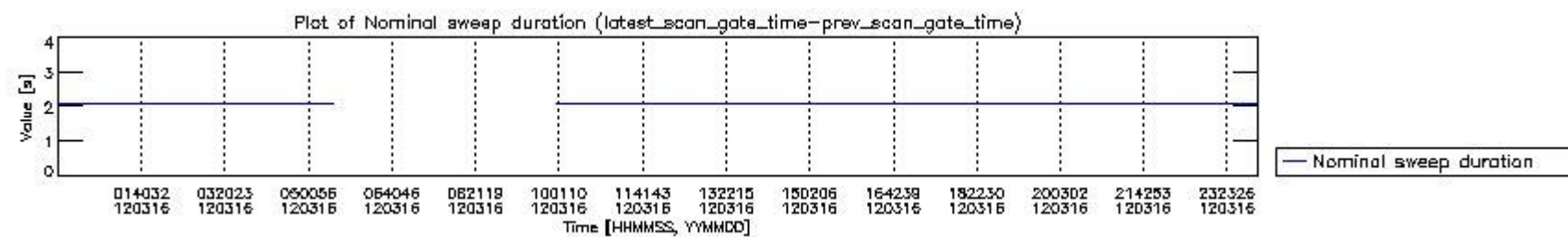
mipas_daily_report_level0_KSPT_L0_4504_N_20120316_1.PNG



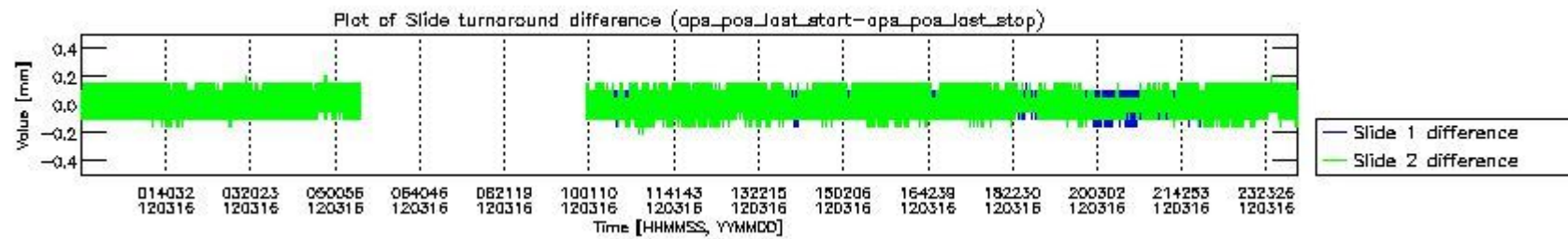
mipas_daily_report_level0_KSPT_L0_4504_N_20120316_2.PNG



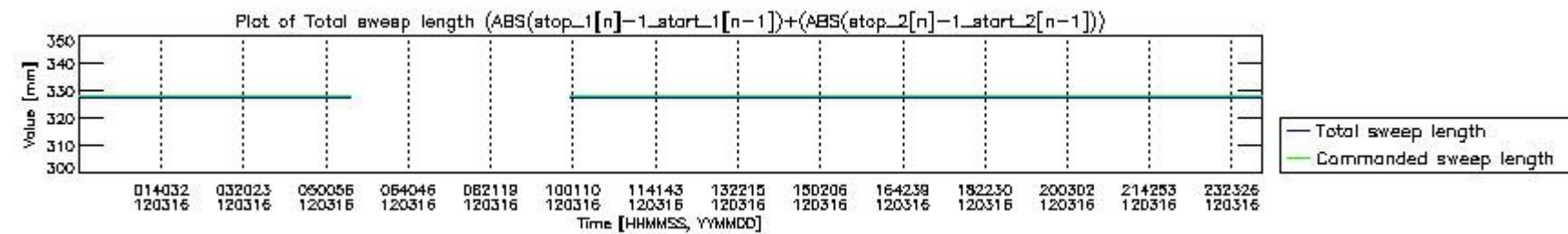
mipas_daily_report_level0_KSPT_L0_4504_N_20120316_3.PNG



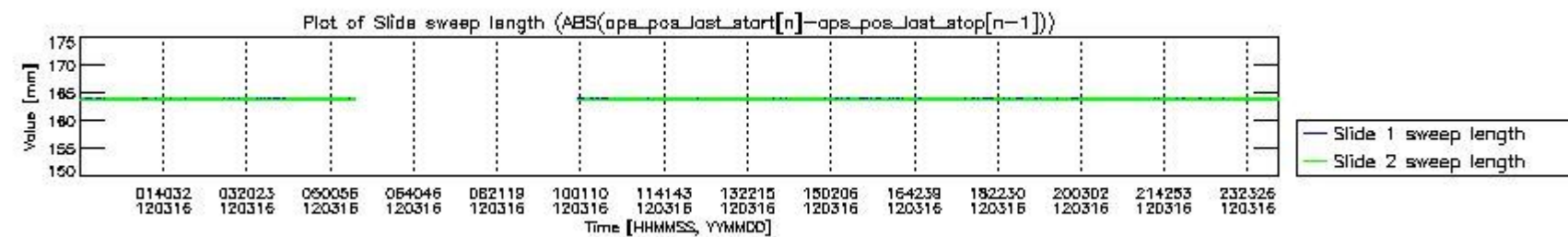
mipas_daily_report_level0_KSPT_L0_4504_N_20120316_4.PNG



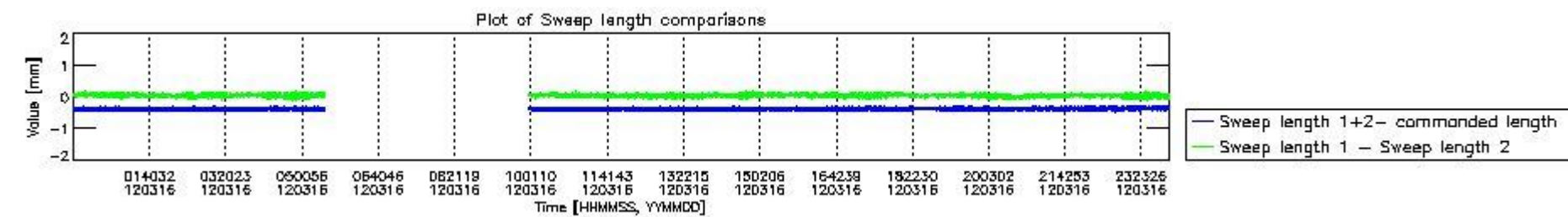
mipas_daily_report_level0_KSPT_L0_4504_N_20120316_5.PNG



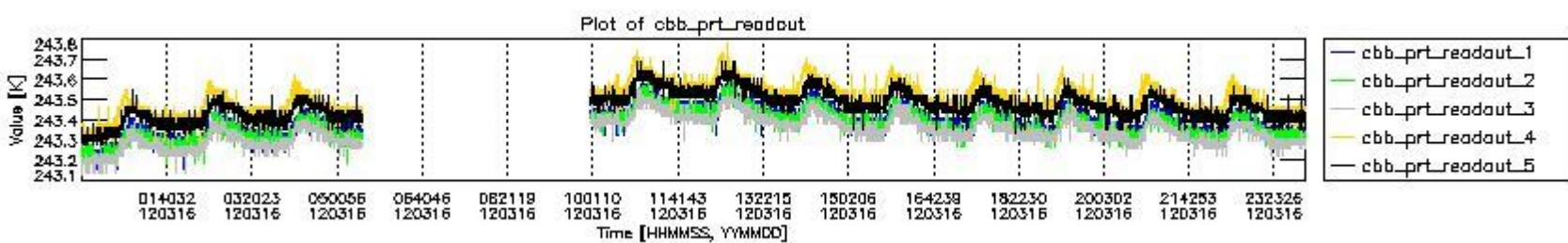
mipas_daily_report_level0_KSPT_L0_4504_N_20120316_6.PNG



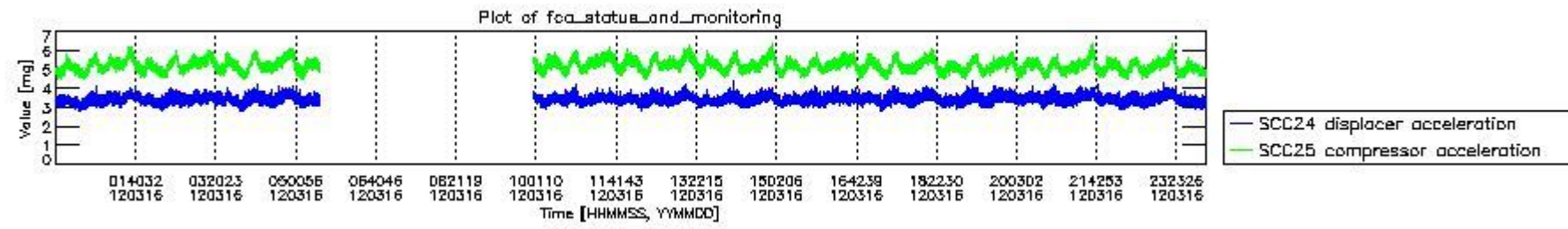
mipas_daily_report_level0_KSPT_L0_4504_N_20120316_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120316_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120316_9.PNG

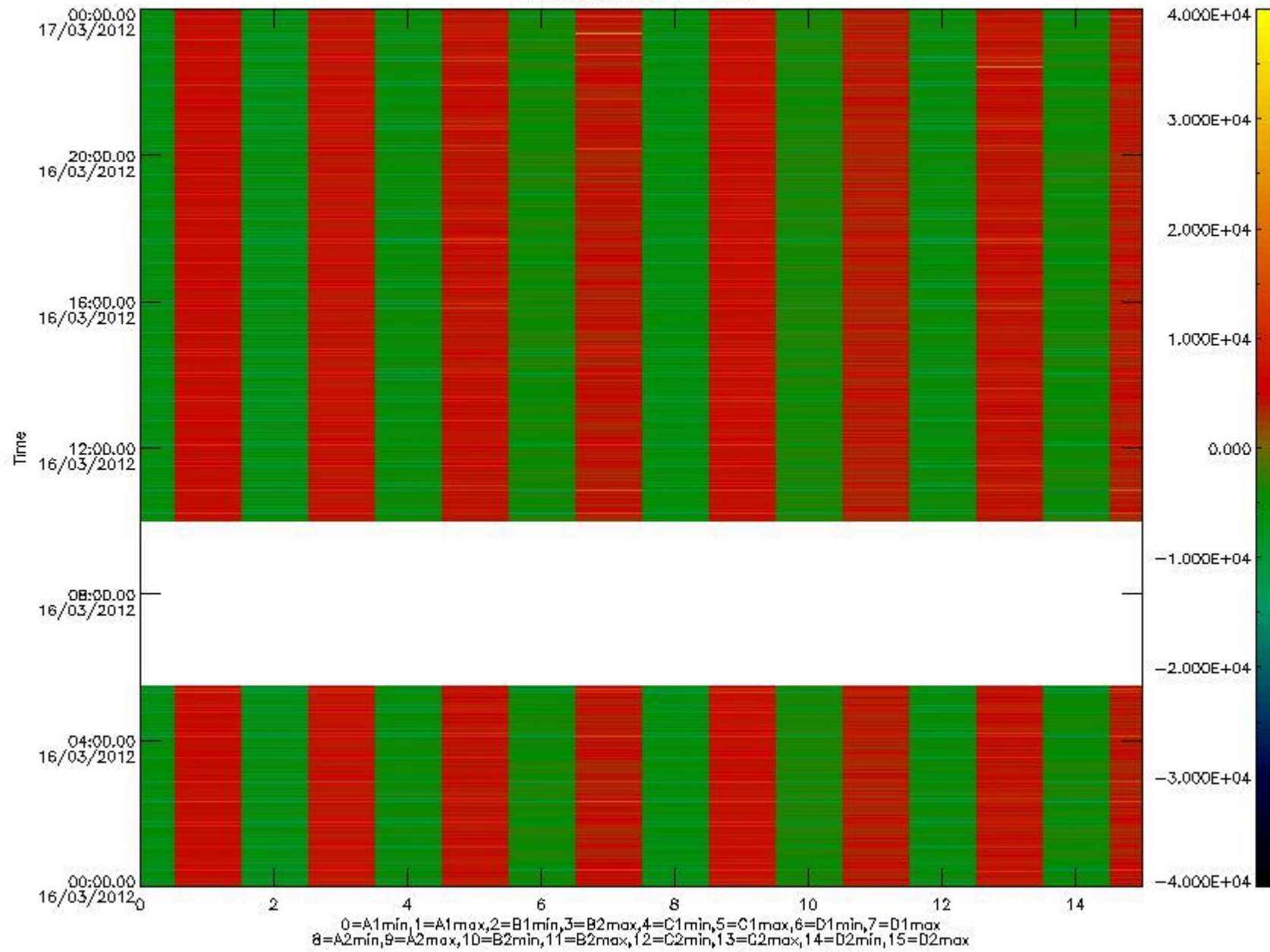


mipas_daily_report_level0_KSPT_L0_4504_N_20120316_10.PNG

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

Channel	Min	Max	ADC
A1	-16019	16445	16bit
B1	-15582	13545	16bit
C1	-22123	14467	16bit
D1	-31627	32767	16bit
A2	-13710	16325	16bit
B2	-12097	12290	16bit
C2	-15196	23203	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_20120316_11.PNG

0.3 ADF monitoring

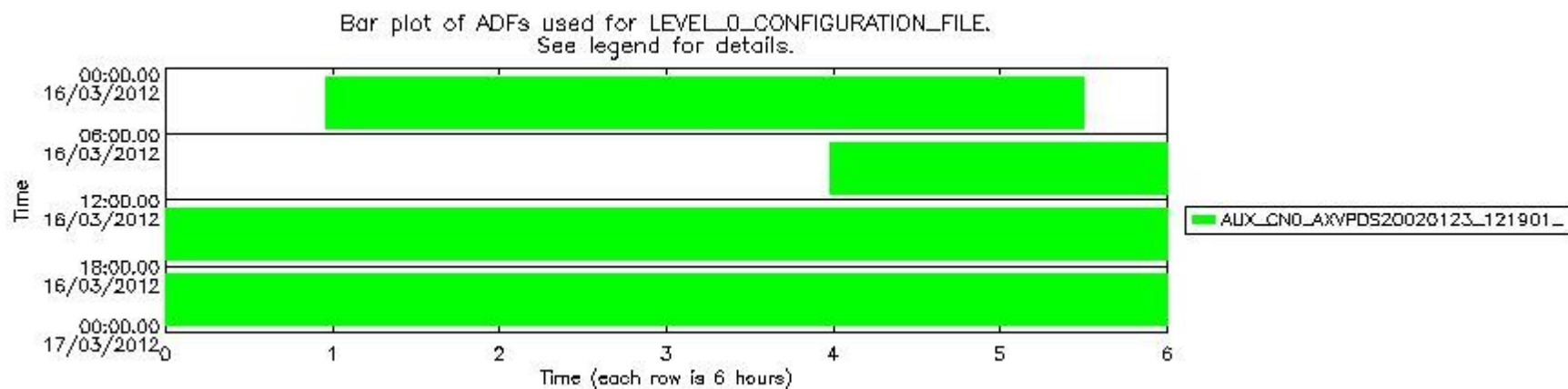
The use of ADFs is shown in two ways:

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.

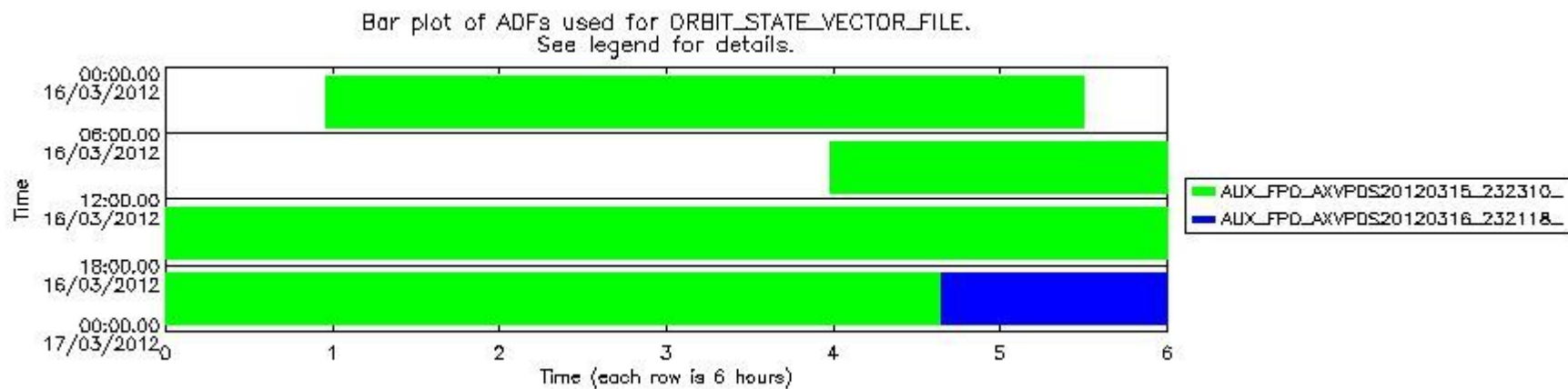
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120315_232310_20120315_182726_20120325_204107
2	AUX_FPO_AXVPDS20120316_232118_20120316_193055_20120326_200422

Number	Product name	#CN0	#FPO
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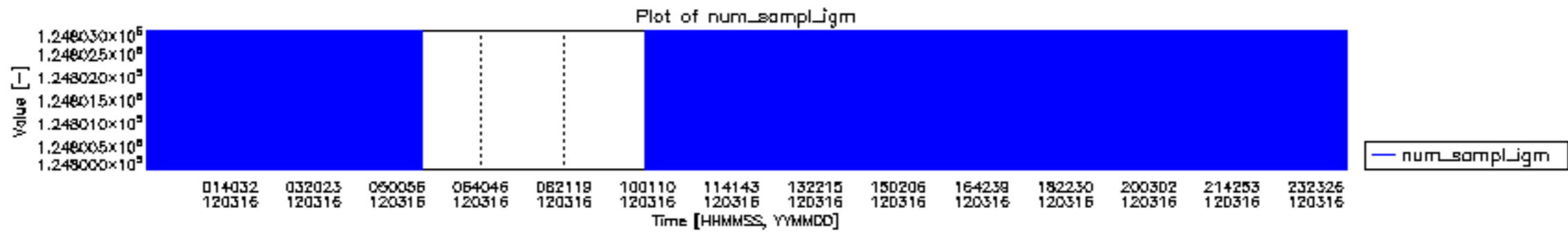
0	MIP_NL__0PNPDE20120316_005728_000054003112_00361_52530_1230.N1	0	1
1	MIP_NL__0PNPDE20120316_022627_000048093112_00362_52531_1231.N1	0	1
2	MIP_NL__0PNPDE20120316_034603_000062463112_00363_52532_1232.N1	0	1
3	MIP_NL__0PNPDK20120316_095905_000059273112_00367_52536_8945.N1	0	1
4	MIP_NL__0PNPDK20120316_113708_000059983112_00368_52537_8948.N1	0	1
5	MIP_NL__0PNPDK20120316_131538_000059103112_00369_52538_8949.N1	0	1
6	MIP_NL__0PNPDK20120316_145231_000059603112_00370_52539_8950.N1	0	1
7	MIP_NL__0PNPDK20120316_163053_000059773112_00371_52540_8951.N1	0	1
8	MIP_NL__0PNPDK20120316_180929_000058223112_00372_52541_8952.N1	0	1
9	MIP_NL__0PNPDE20120316_194547_000041033112_00373_52542_1234.N1	0	1
10	MIP_NL__0PNPDE20120316_205303_000064283112_00373_52542_1235.N1	0	1
11	MIP_NL__0PNPDE20120316_223907_000061153112_00374_52543_1236.N1	0	2

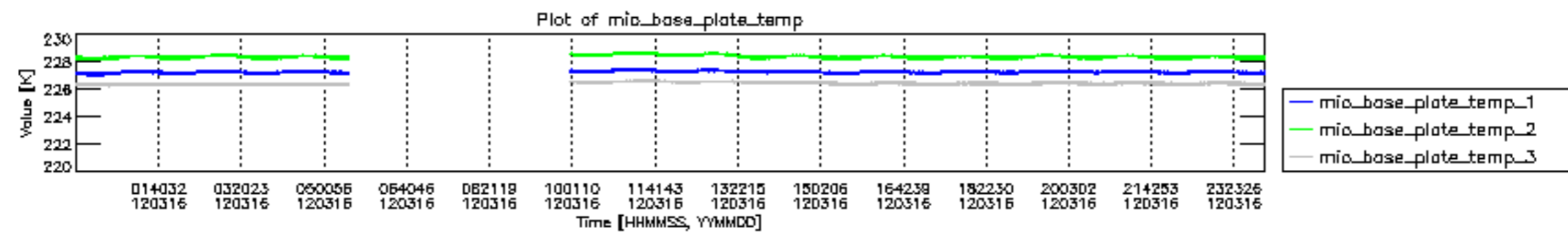


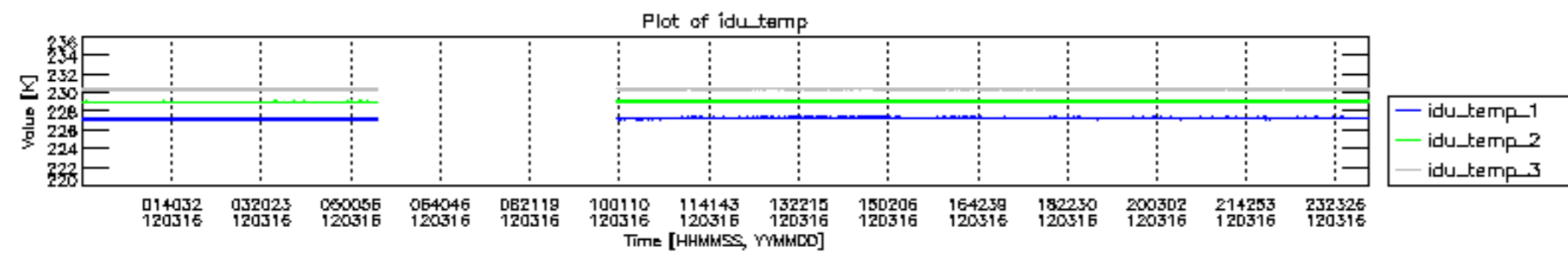
mipas_daily_report_level0_KSPT_L0_4504_N_20120316_12.PNG

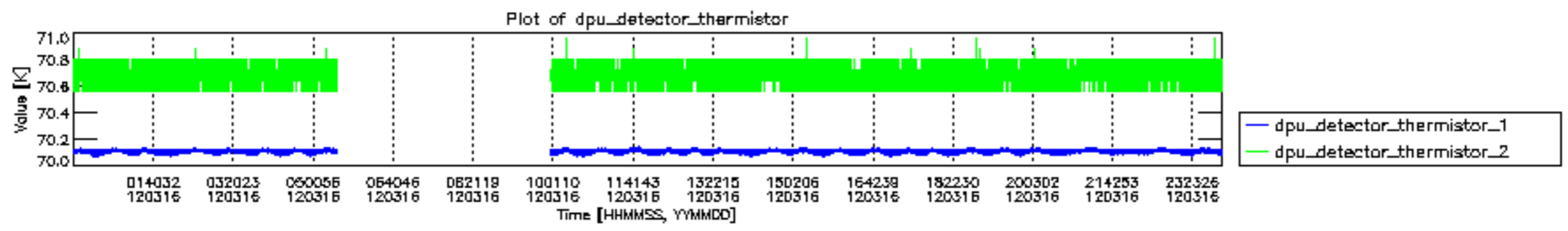


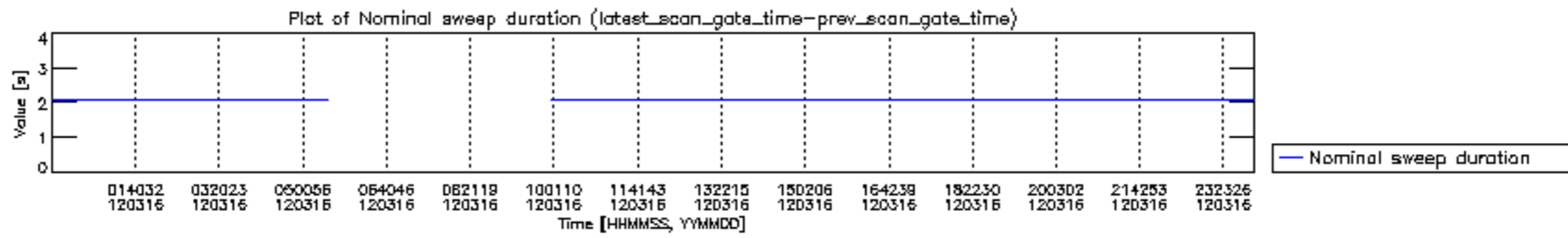
mipas_daily_report_level0_KSPT_L0_4504_N_20120316_13.PNG

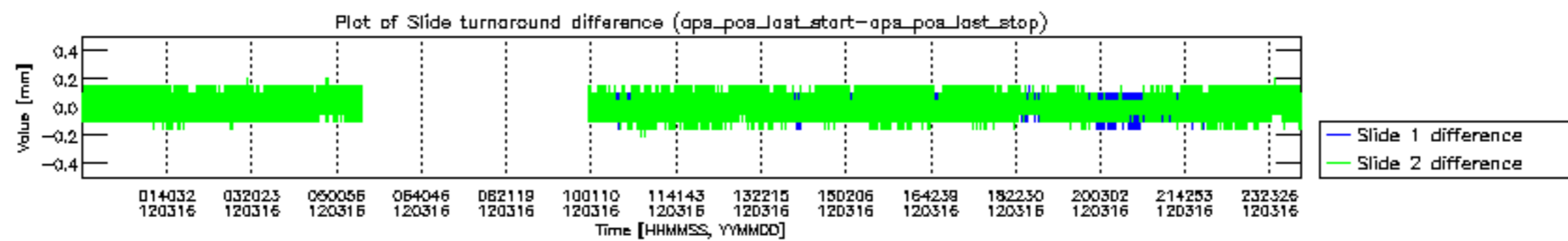


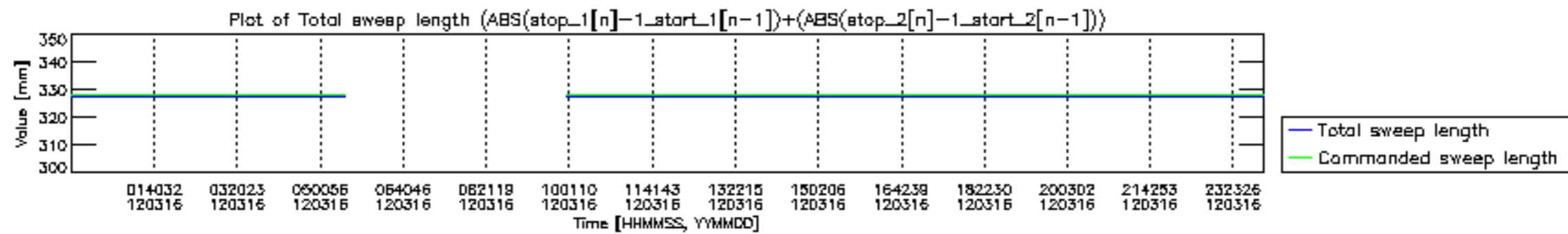


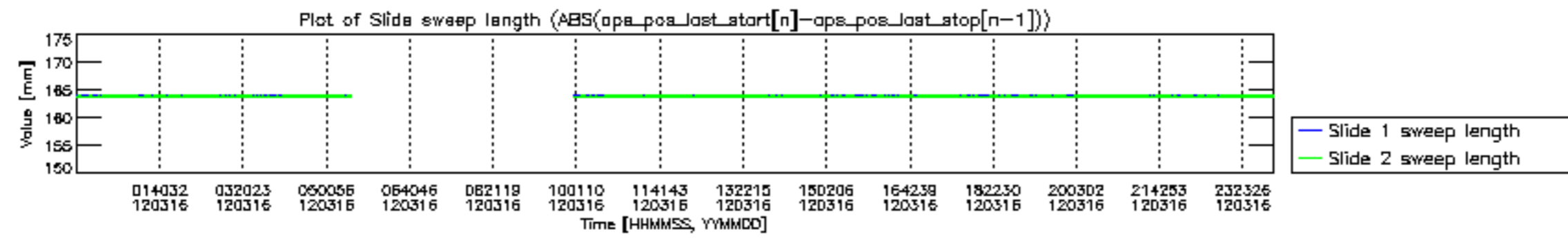


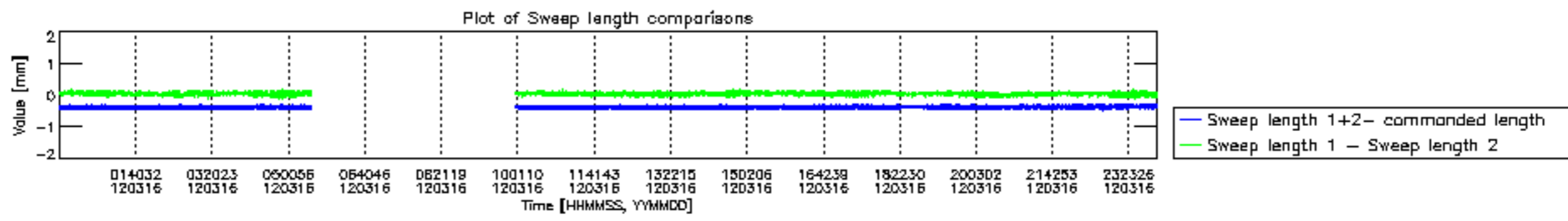


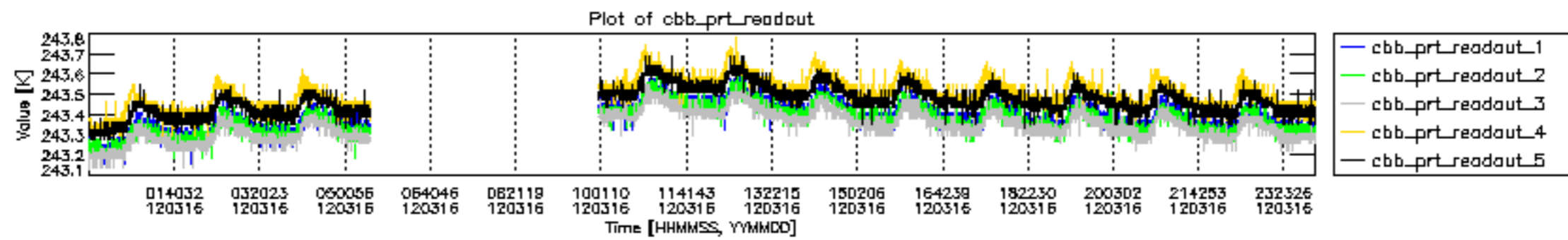


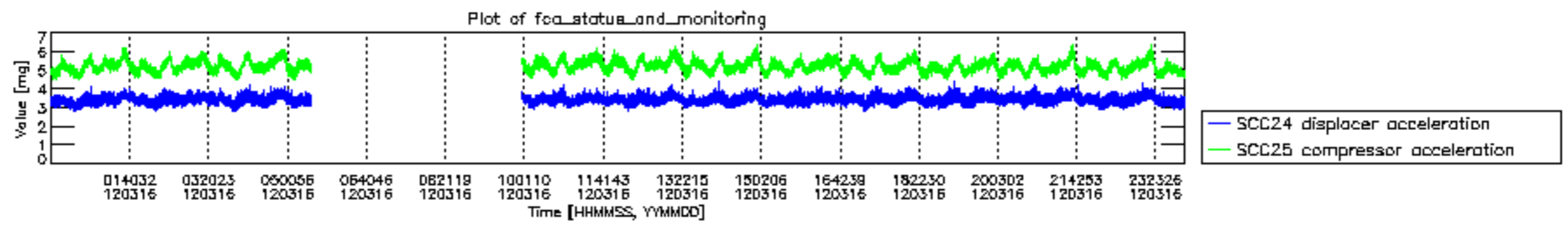












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

