

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	17JUN2011 05:23:01
Data source version	KSPT_L0/4504-N
Processing scope for products	12JUN2011 00:00:00 to 13JUN2011 00:00:00
Start time of first product within scope	12JUN2011 00:47:22
Stop time of last product within scope	13JUN2011 00:12:24
Total number of level 0 products	15
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__0PNPDE20110612_004722_000058833103_00246_48536_9017.N1	12JUN2011 00:47:22	12JUN2011 02:25:25	0	0	0	0	0
1	MIP_NL__0PNPDE20110612_022420_000045253103_00247_48537_9018.N1	12JUN2011 02:24:20	12JUN2011 03:39:45	0	0	0	0	0
2	MIP_NL__0PNPDE20110612_033912_000061333103_00248_48538_9019.N1	12JUN2011 03:39:12	12JUN2011 05:21:25	0	0	0	0	0
3	MIP_NL__0PNPDE20110612_052050_000060313103_00249_48539_9020.N1	12JUN2011 05:20:50	12JUN2011 07:01:21	0	0	0	0	0
4	MIP_NL__0PNPDK20110612_070045_000040993103_00250_48540_5467.N1	12JUN2011 07:00:45	12JUN2011 08:09:04	0	0	0	0	0
5	MIP_NL__0PNPDK20110612_080829_000061543103_00251_48541_5468.N1	12JUN2011 08:08:29	12JUN2011 09:51:02	0	0	0	0	0
6	MIP_NL__0PNPDK20110612_095018_000059583103_00252_48542_5469.N1	12JUN2011 09:50:18	12JUN2011 11:29:36	0	0	0	0	0
7	MIP_NL__0PNPDK20110612_112859_000059463103_00253_48543_5470.N1	12JUN2011 11:28:59	12JUN2011 13:08:04	0	0	0	0	0
8	MIP_NL__0PNPDK20110612_130733_000059523103_00254_48544_5471.N1	12JUN2011 13:07:33	12JUN2011 14:46:45	0	0	0	0	0
9	MIP_NL__0PNPDK20110612_144603_000058473103_00255_48545_5472.N1	12JUN2011 14:46:03	12JUN2011 16:23:30	0	0	0	0	0
10	MIP_NL__0PNPDK20110612_162249_000059163103_00256_48546_5473.N1	12JUN2011 16:22:49	12JUN2011 18:01:25	0	0	0	0	0
11	MIP_NL__0PNPDK20110612_180033_000058473103_00257_48547_5474.N1	12JUN2011 18:00:33	12JUN2011 19:38:00	0	0	0	0	0
12	MIP_NL__0PNPDK20110612_193624_000062533103_00258_48548_5475.N1	12JUN2011 19:36:24	12JUN2011 21:20:37	0	0	0	0	0
13	MIP_NL__0PNPDE20110612_211901_000042583103_00259_48549_9021.N1	12JUN2011 21:19:01	12JUN2011 22:29:58	0	0	0	0	0
14	MIP_NL__0PNPDE20110612_222853_000062113103_00259_48549_9022.N1	12JUN2011 22:28:53	13JUN2011 00:12:24	0	0	0	0	0

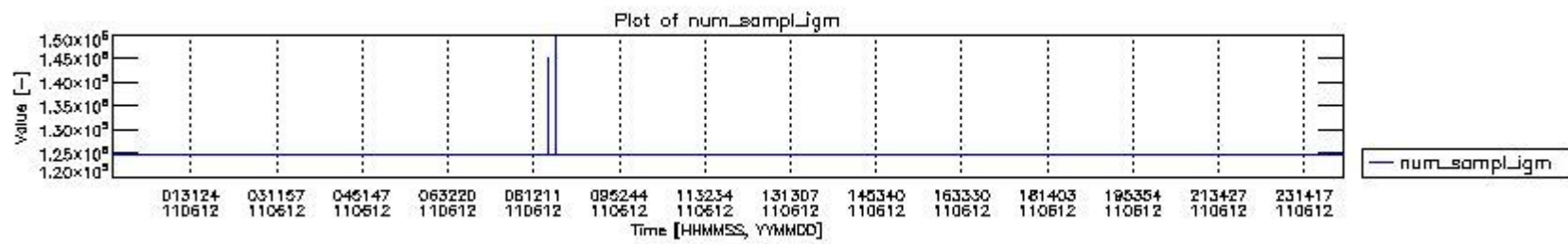
0.2 Instrument Operational Performance Parameters

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.

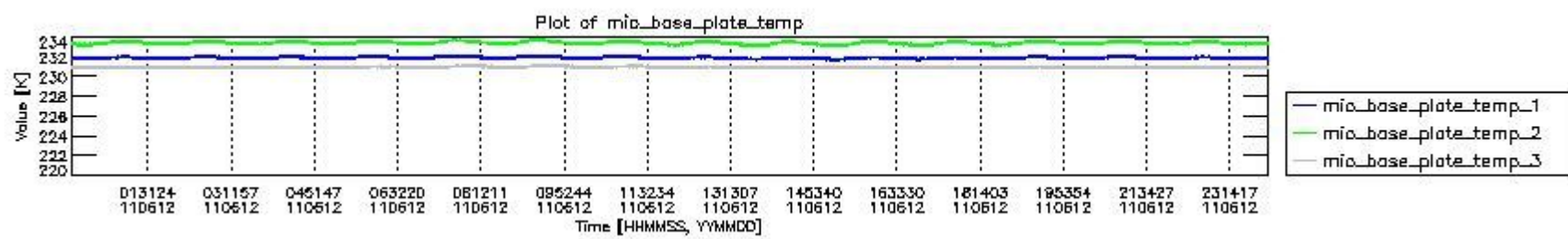
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	38648	92.892681
124803	2951	7.0928975
124929	1	0.0024035573

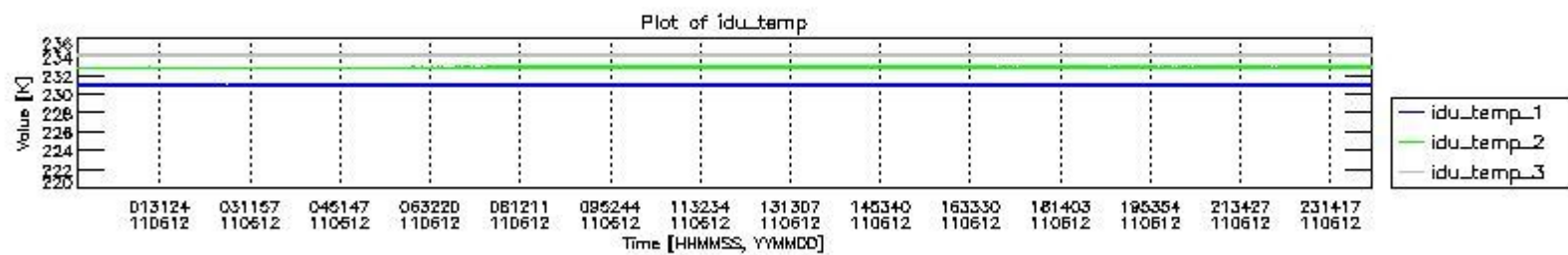
127233	1	0.0024035573
145061	1	0.0024035573
145190	1	0.0024035573
147365	1	0.0024035573
149798	1	0.0024035573



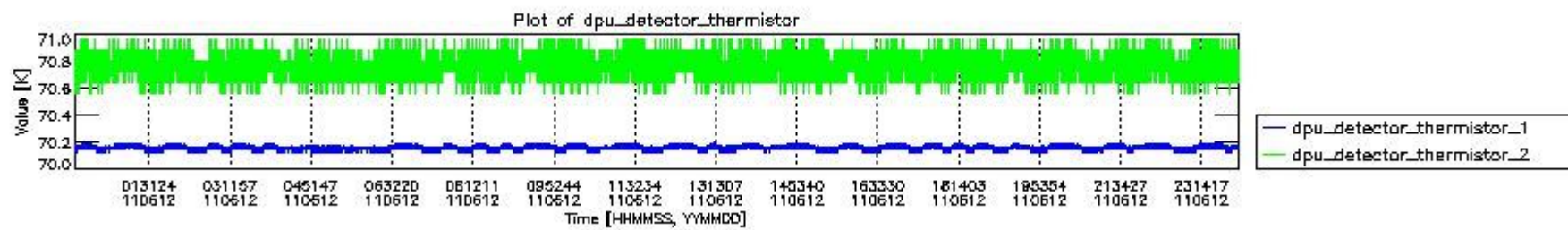
mipas_daily_report_level0_KSPT_L0_4504_N_20110612_0.PNG



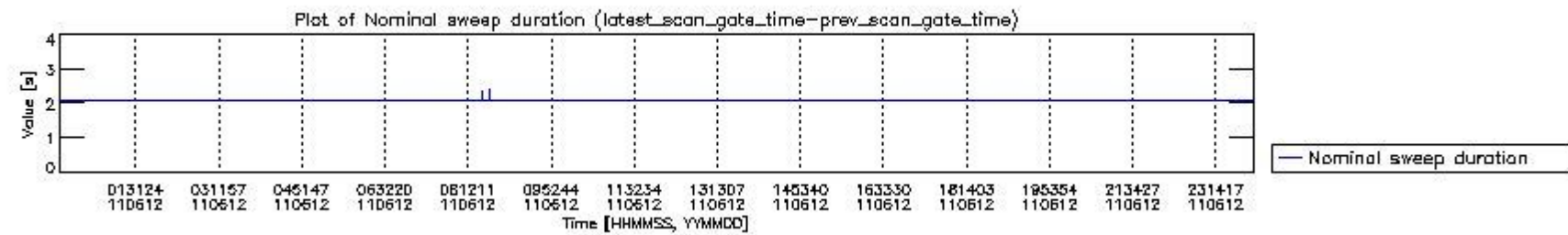
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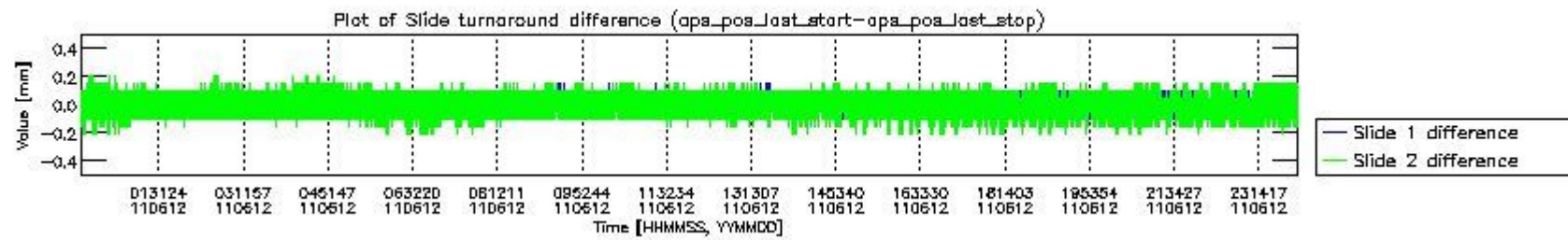
mipas_daily_report_level0_KSPT_L0_4504_N_20110612_2.PNG



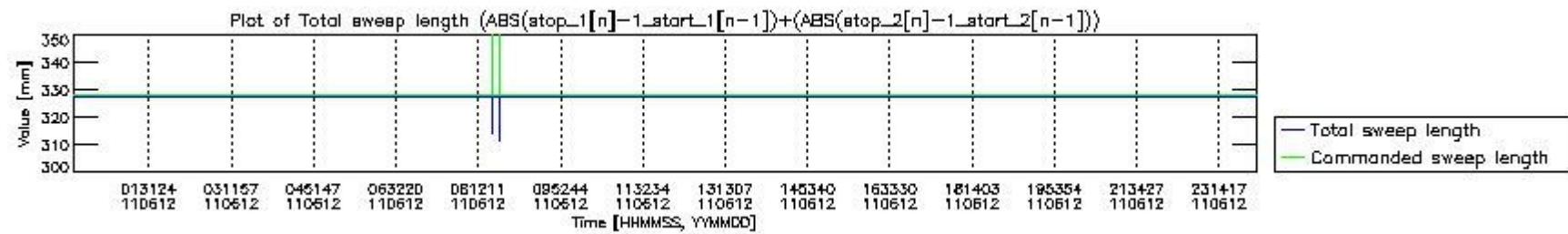
mipas_daily_report_level0_KSPT_L0_4504_N_20110612_3.PNG



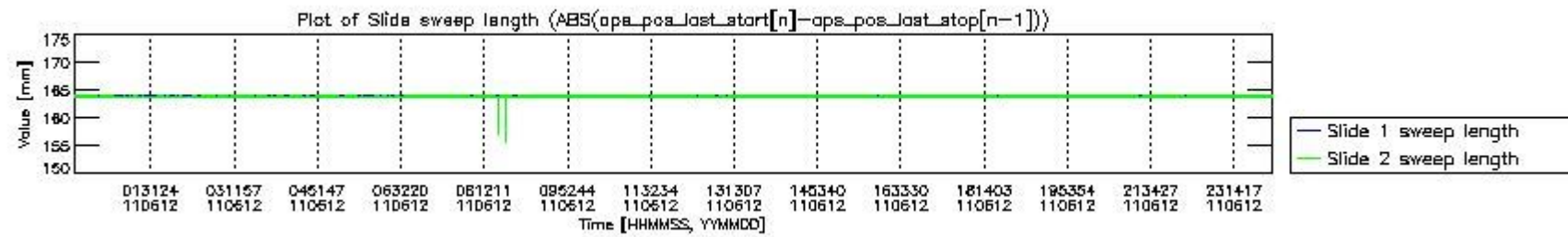
mipas_daily_report_level0_KSPT_L0_4504_N_20110612_4.PNG



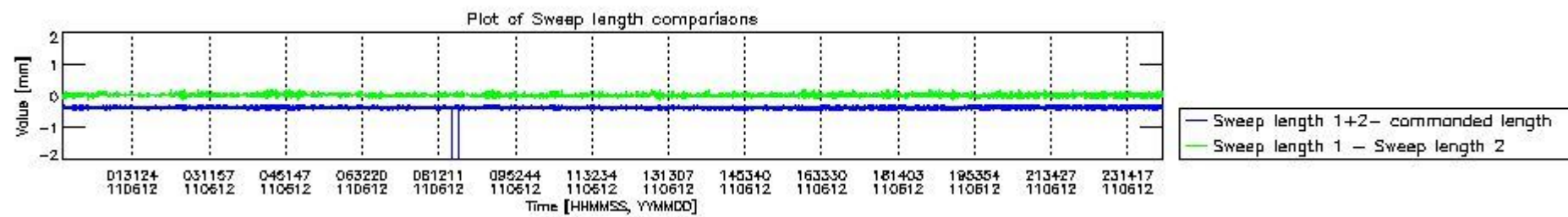
mipas_daily_report_level0_KSPT_L0_4504_N_20110612_5.PNG



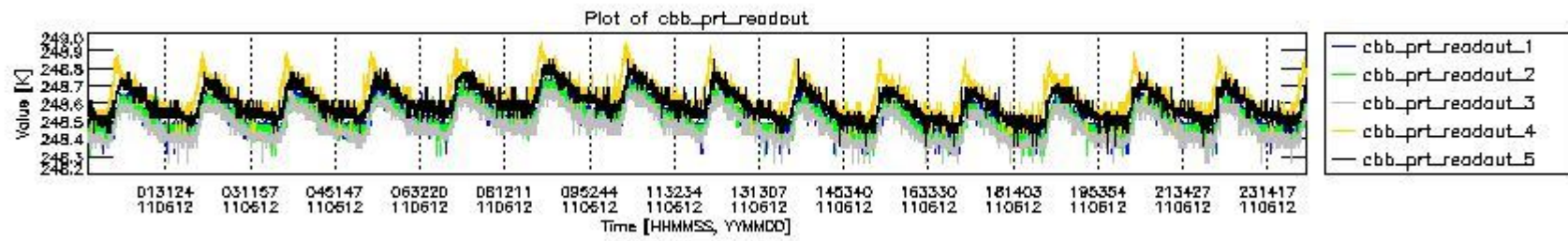
mipas_daily_report_level0_KSPT_L0_4504_N_20110612_6.PNG



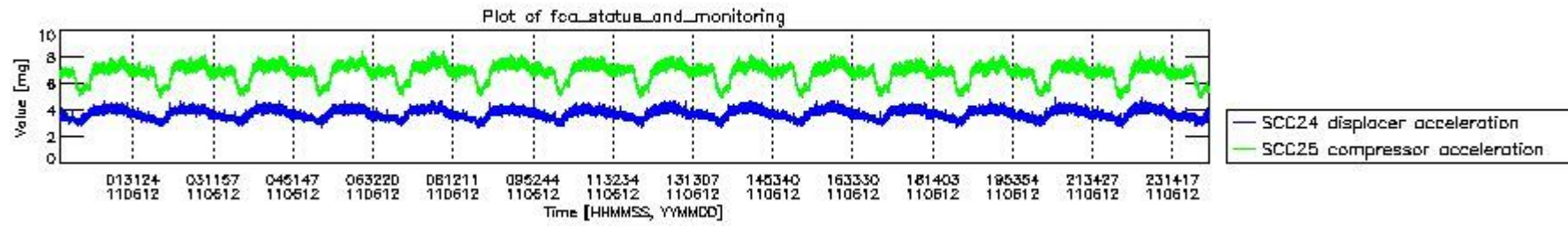
mipas_daily_report_level0_KSPT_L0_4504_N_20110612_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110612_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110612_9.PNG

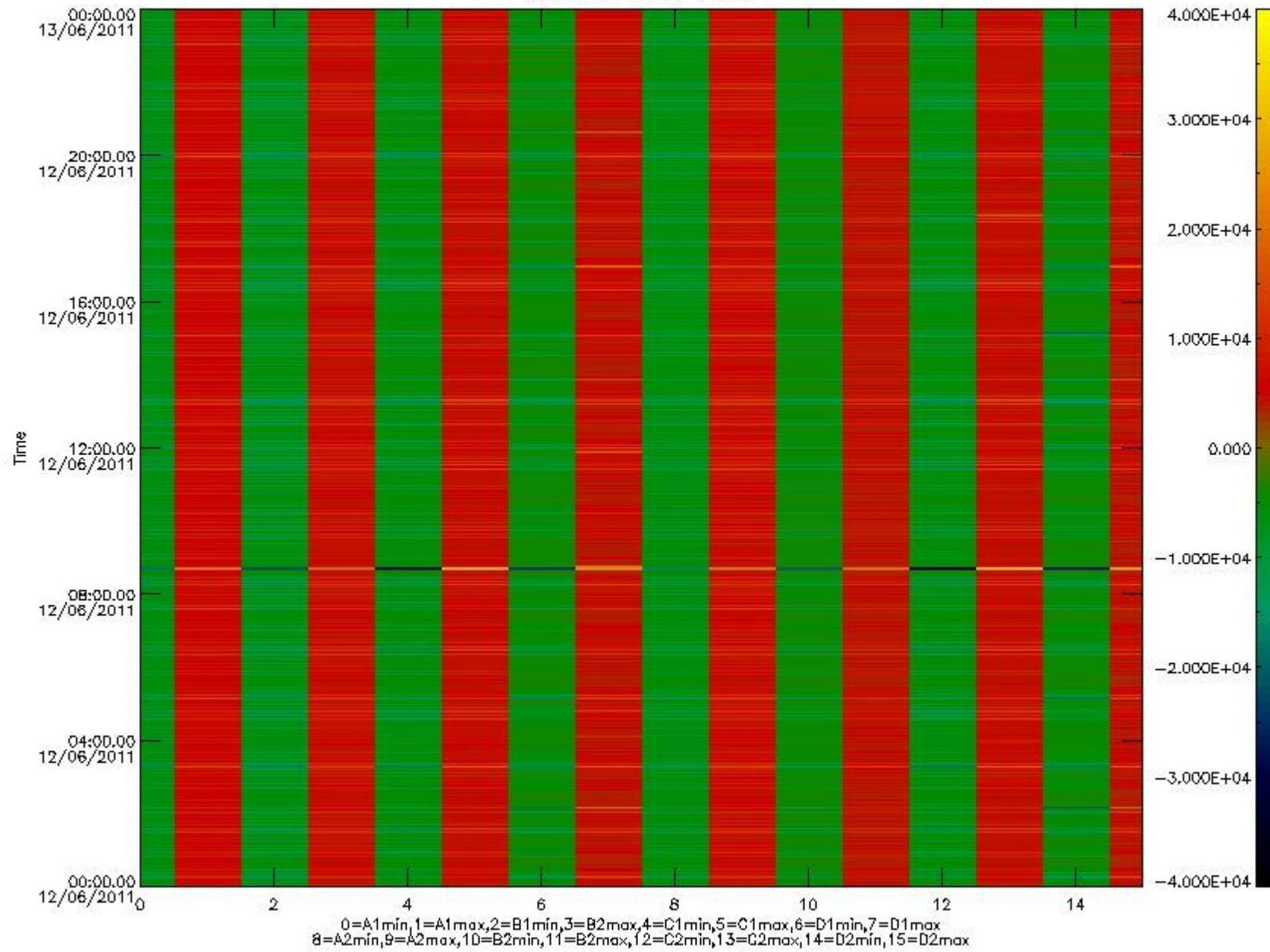


mipas_daily_report_level0_KSPT_L0_4504_N_20110612_10.PNG

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

Channel	Min	Max	ADC
A1	-19307	20579	16bit
B1	-22345	19033	16bit
C1	-29039	28978	16bit
D1	-32768	32767	16bit
A2	-16606	20695	16bit
B2	-20771	20256	16bit
C2	-30158	29793	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_20110612_11.PNG

0.3 ADF monitoring

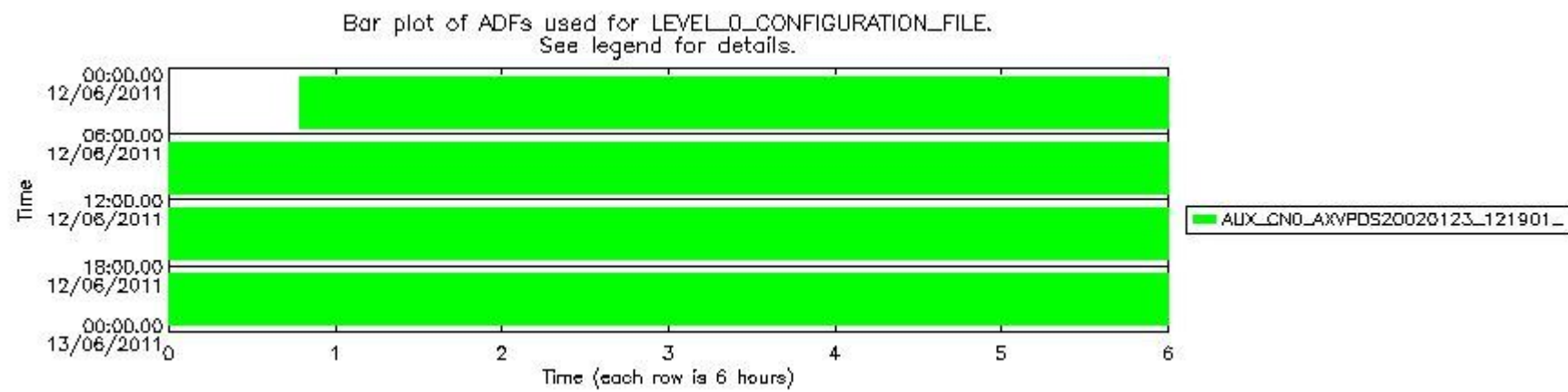
The use of ADFs is shown in two ways:

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.

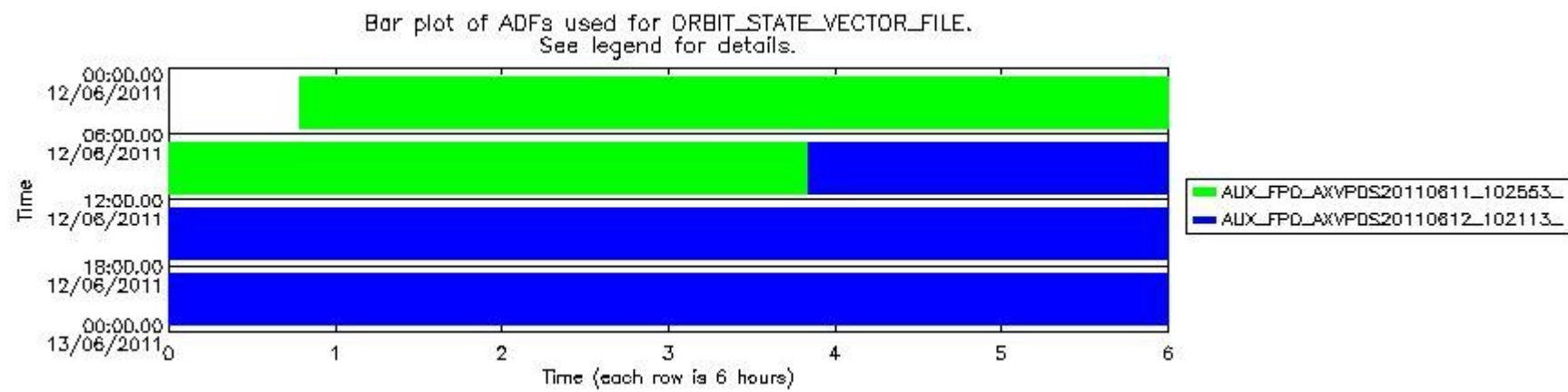
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110611_102553_20110610_185516_20110620_210902
2	AUX_FPO_AXVPDS20110612_102113_20110611_195845_20110621_203218

Number	Product name	#CN0	#FPO
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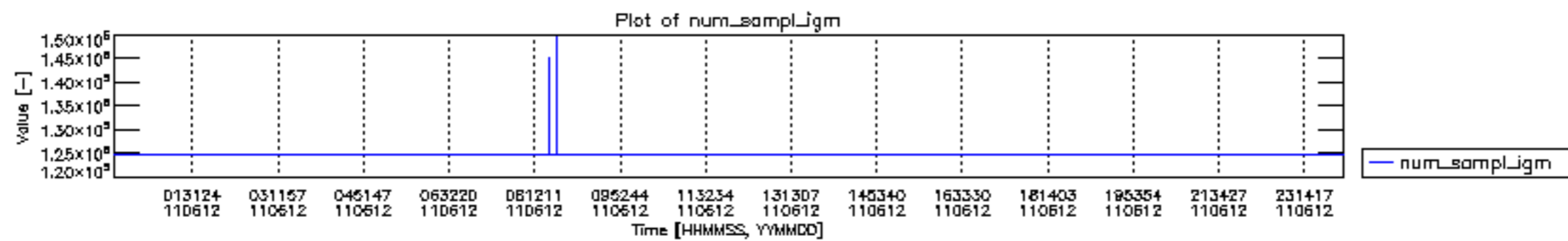
0	MIP_NL__0PNPDE20110612_004722_000058833103_00246_48536_9017.N1	0	1
1	MIP_NL__0PNPDE20110612_022420_000045253103_00247_48537_9018.N1	0	1
2	MIP_NL__0PNPDE20110612_033912_000061333103_00248_48538_9019.N1	0	1
3	MIP_NL__0PNPDE20110612_052050_000060313103_00249_48539_9020.N1	0	1
4	MIP_NL__0PNPDK20110612_070045_000040993103_00250_48540_5467.N1	0	1
5	MIP_NL__0PNPDK20110612_080829_000061543103_00251_48541_5468.N1	0	1
6	MIP_NL__0PNPDK20110612_095018_000059583103_00252_48542_5469.N1	0	2
7	MIP_NL__0PNPDK20110612_112859_000059463103_00253_48543_5470.N1	0	2
8	MIP_NL__0PNPDK20110612_130733_000059523103_00254_48544_5471.N1	0	2
9	MIP_NL__0PNPDK20110612_144603_000058473103_00255_48545_5472.N1	0	2
10	MIP_NL__0PNPDK20110612_162249_000059163103_00256_48546_5473.N1	0	2
11	MIP_NL__0PNPDK20110612_180033_000058473103_00257_48547_5474.N1	0	2
12	MIP_NL__0PNPDK20110612_193624_000062533103_00258_48548_5475.N1	0	2
13	MIP_NL__0PNPDE20110612_211901_000042583103_00259_48549_9021.N1	0	2
14	MIP_NL__0PNPDE20110612_222853_000062113103_00259_48549_9022.N1	0	2

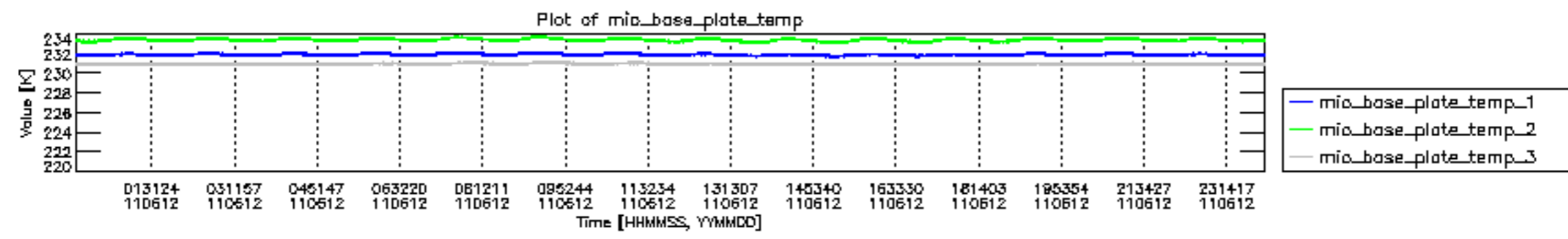


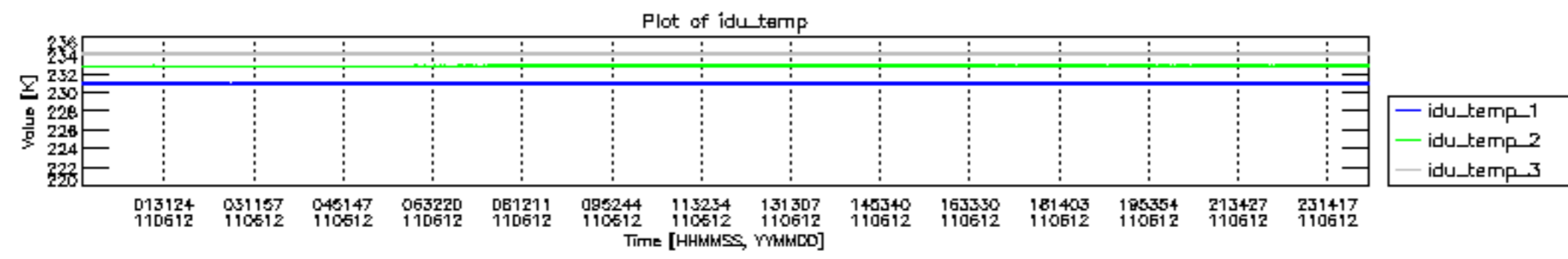
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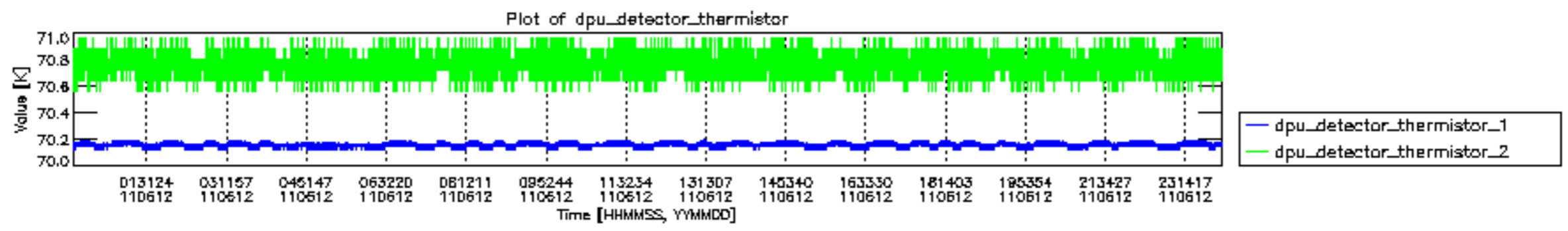


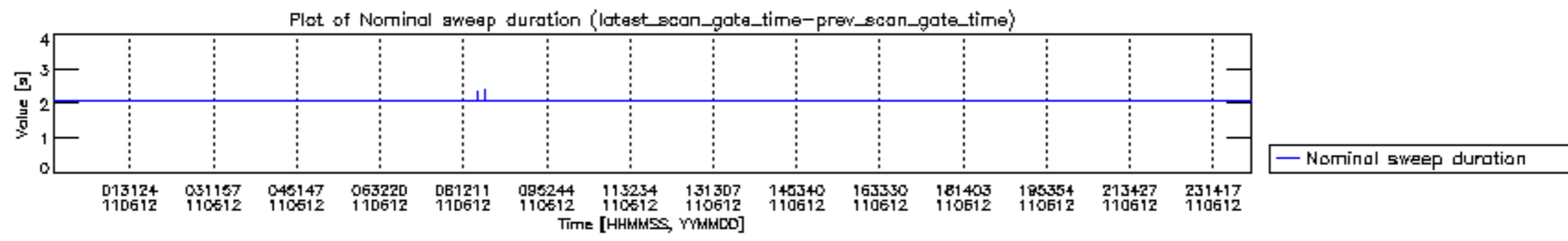
mipas_daily_report_level0_KSPT_L0_4504_N_20110612_13.PNG

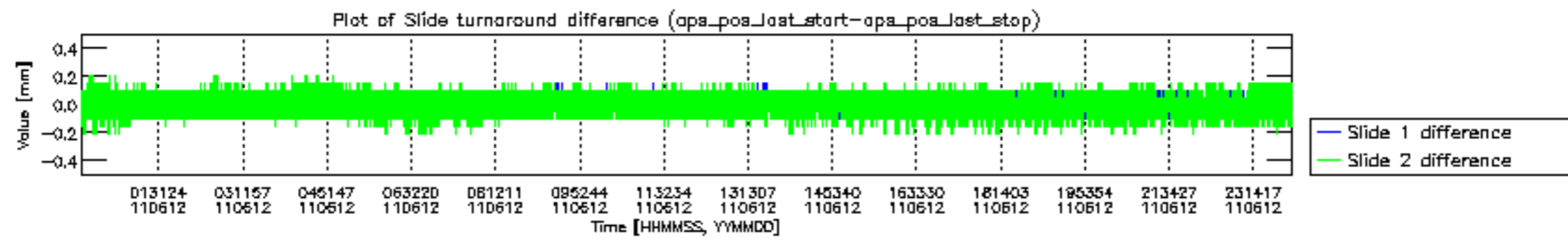


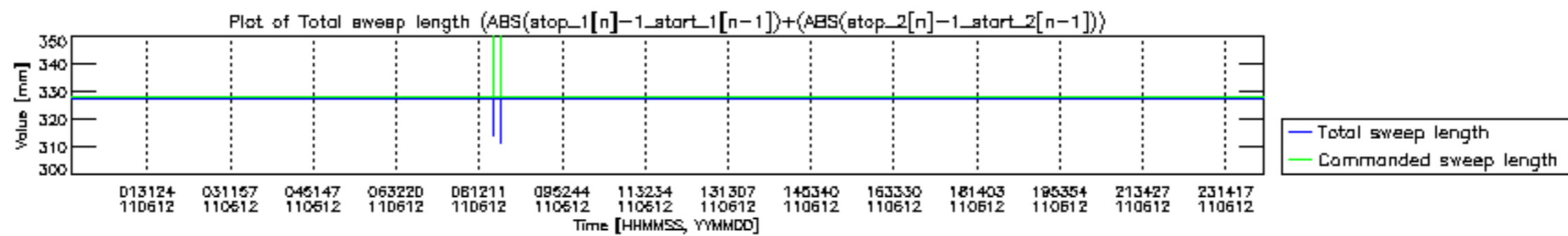


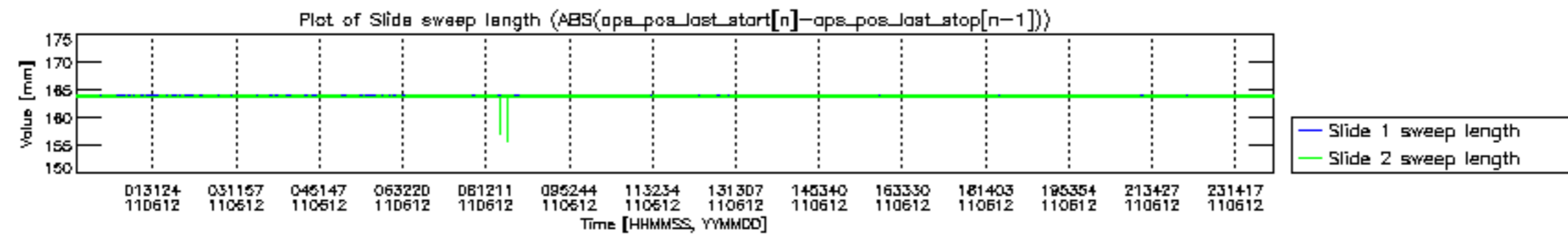


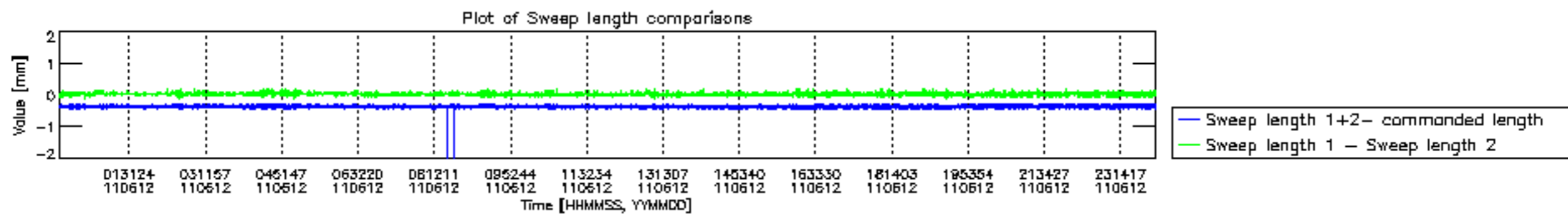


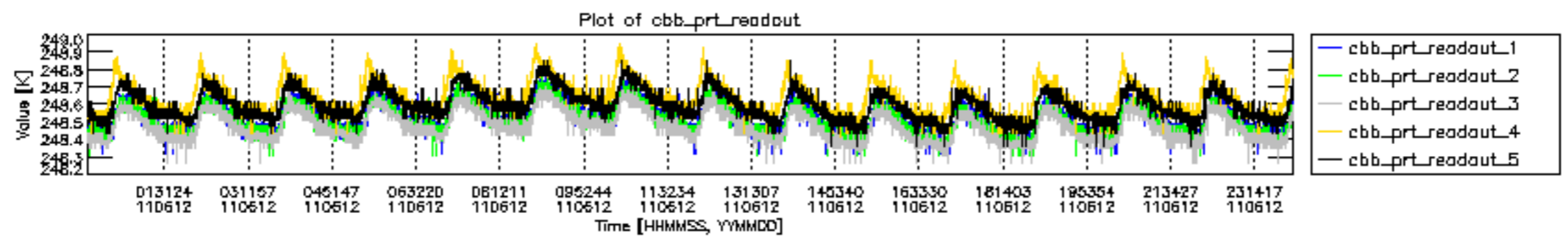


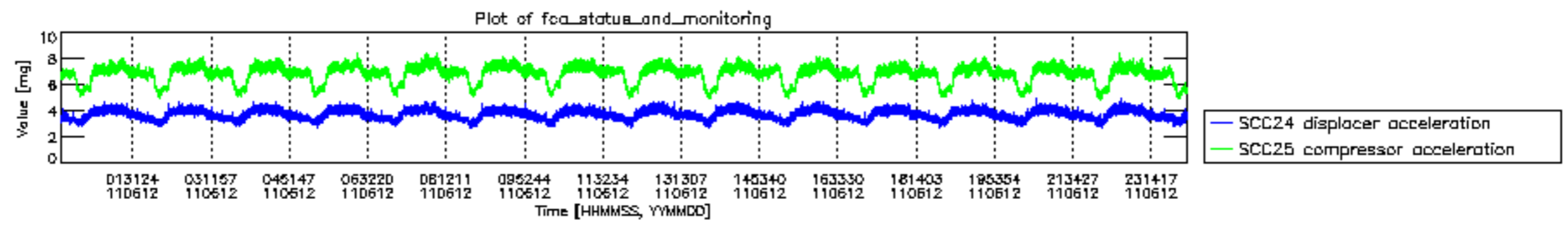












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

