

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	24AUG2011 05:22:16
Data source version	KSPT_L0/4504-N
Processing scope for products	19AUG2011 00:00:00 to 20AUG2011 00:00:00
Start time of first product within scope	19AUG2011 00:55:41
Stop time of last product within scope	20AUG2011 00:20:43
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.

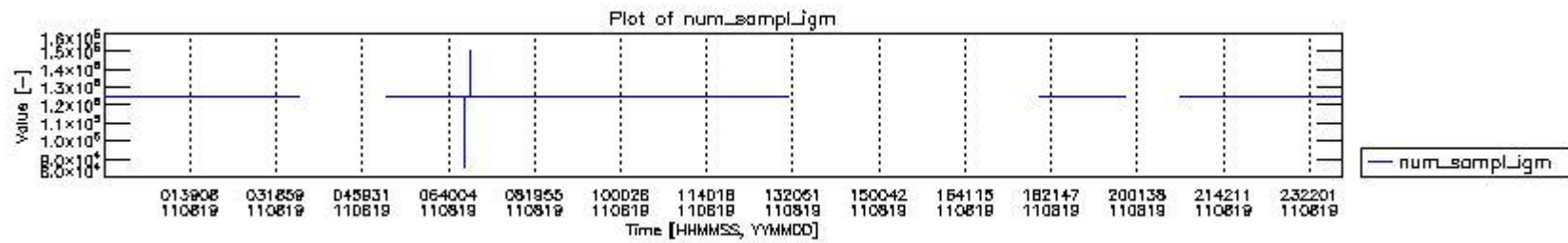
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110819_005541_000054063105_00361_49513_9470.N1	19AUG2011 00:55:41	19AUG2011 02:25:47	0	0	0	0	0
1	MIP_NL__0PNPDE20110819_022438_000049073105_00362_49514_9471.N1	19AUG2011 02:24:38	19AUG2011 03:46:25	0	0	0	0	0
2	MIP_NL__0PNPDE20110819_052853_000060373105_00364_49516_9473.N1	19AUG2011 05:28:53	19AUG2011 07:09:30	0	0	0	0	0
3	MIP_NL__0PNPDK20110819_070857_000040133105_00365_49517_6085.N1	19AUG2011 07:08:57	19AUG2011 08:15:50	0	0	0	0	0
4	MIP_NL__0PNPDK20110819_081518_000061693105_00366_49518_6086.N1	19AUG2011 08:15:18	19AUG2011 09:58:07	0	0	0	0	0
5	MIP_NL__0PNPDK20110819_095730_000059163105_00367_49519_6087.N1	19AUG2011 09:57:30	19AUG2011 11:36:06	0	0	0	0	0
6	MIP_NL__0PNPDK20110819_113524_000060463105_00368_49520_6088.N1	19AUG2011 11:35:24	19AUG2011 13:16:10	0	0	0	0	0
7	MIP_NL__0PNPDK20110819_180645_000060583105_00372_49524_6092.N1	19AUG2011 18:06:45	19AUG2011 19:47:43	0	0	0	0	0
8	MIP_NL__0PNPDE20110819_205151_000064553105_00373_49525_9475.N1	19AUG2011 20:51:51	19AUG2011 22:39:26	0	0	0	0	0
9	MIP_NL__0PNPDE20110819_223825_000061383105_00374_49526_9476.N1	19AUG2011 22:38:25	20AUG2011 00:20:43	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

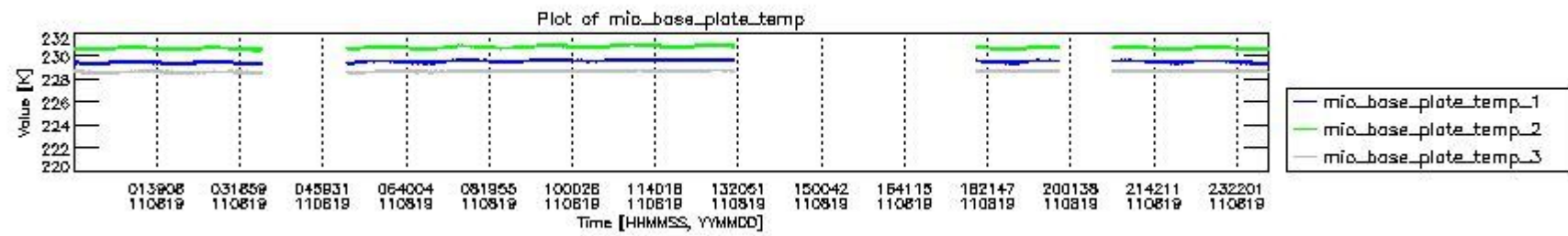
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

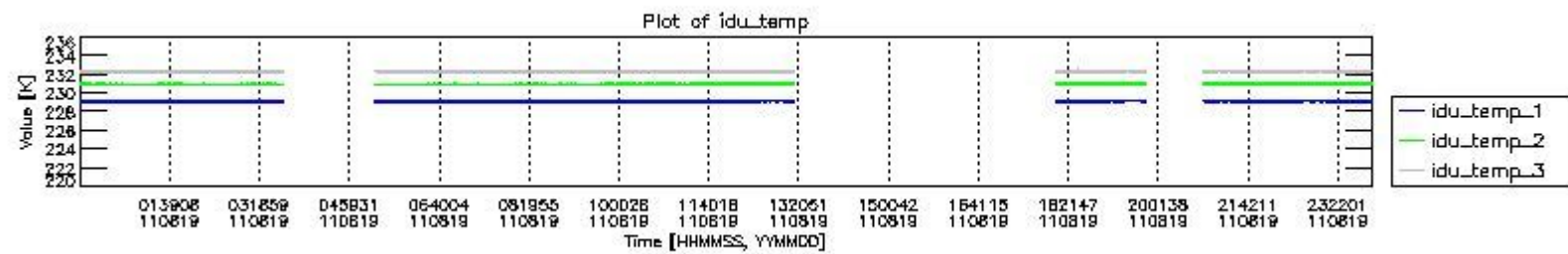
Number of igm samples	Count [#]	Count [%]
84824	1	0.0035326951
94746	1	0.0035326951
114878	1	0.0035326951
124800	26304	92.924012
124803	1997	7.0547921
127679	1	0.0035326951
147811	1	0.0035326951
150690	1	0.0035326951



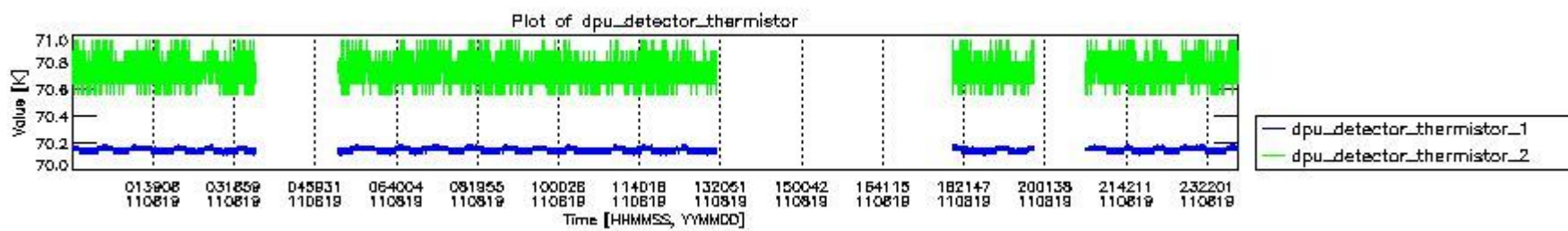
mipas_daily_report_level0_KSPT_L0_4504_N_20110819_0.PNG



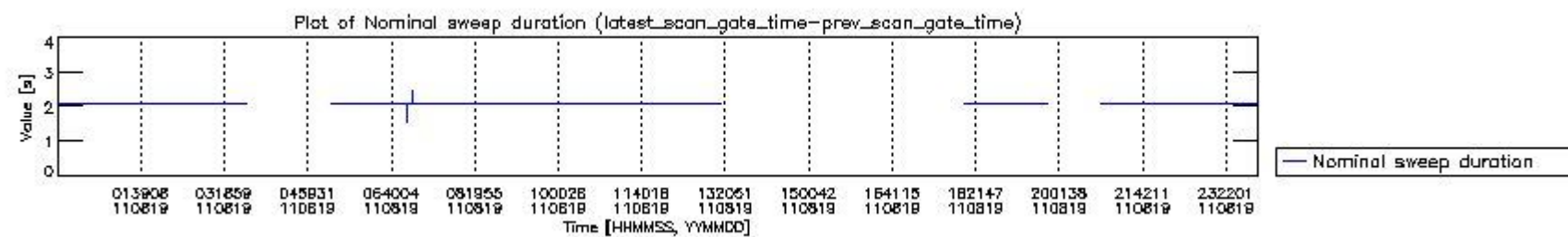
mipas_daily_report_level0_KSPT_L0_4504_N_20110819_1.PNG



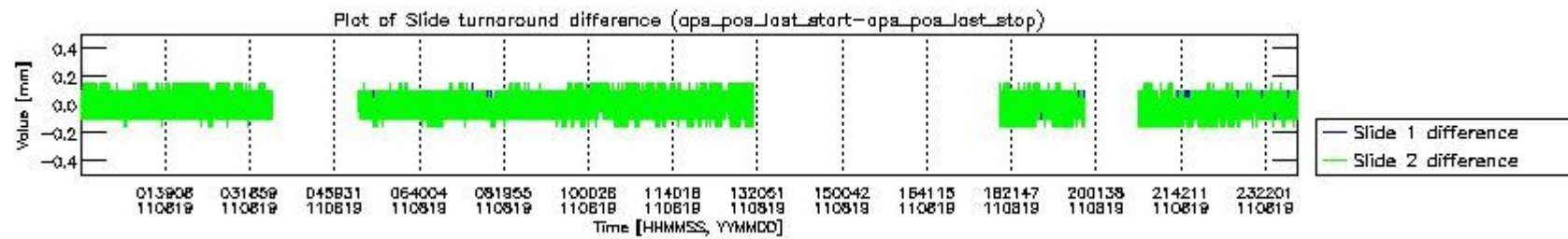
mipas_daily_report_level0_KSPT_L0_4504_N_20110819_2.PNG



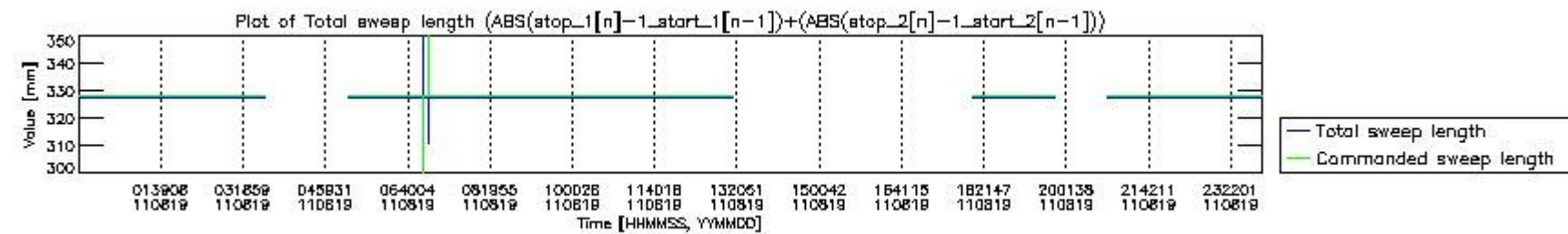
mipas_daily_report_level0_KSPT_L0_4504_N_20110819_3.PNG



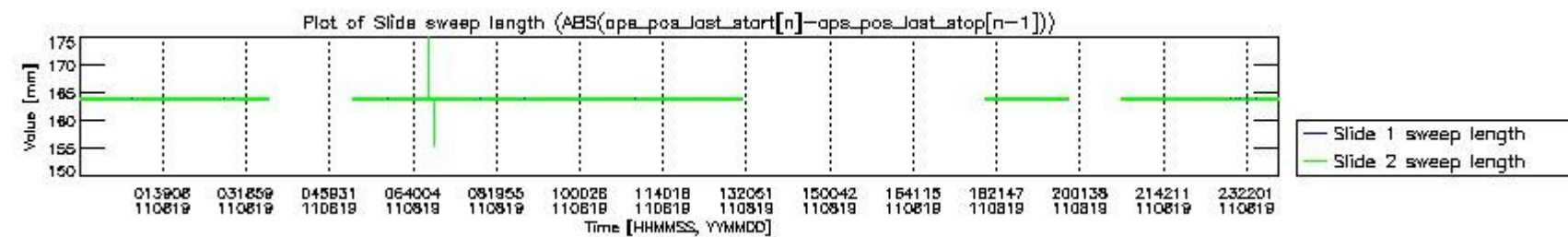
mipas_daily_report_level0_KSPT_L0_4504_N_20110819_4.PNG



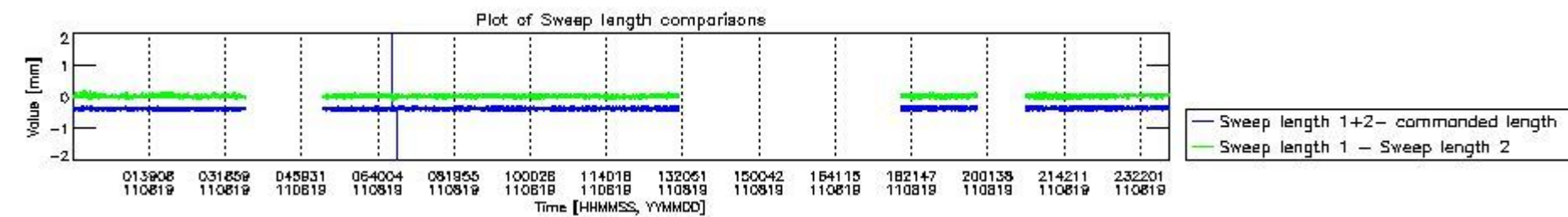
mipas_daily_report_level0_KSPT_L0_4504_N_20110819_5.PNG



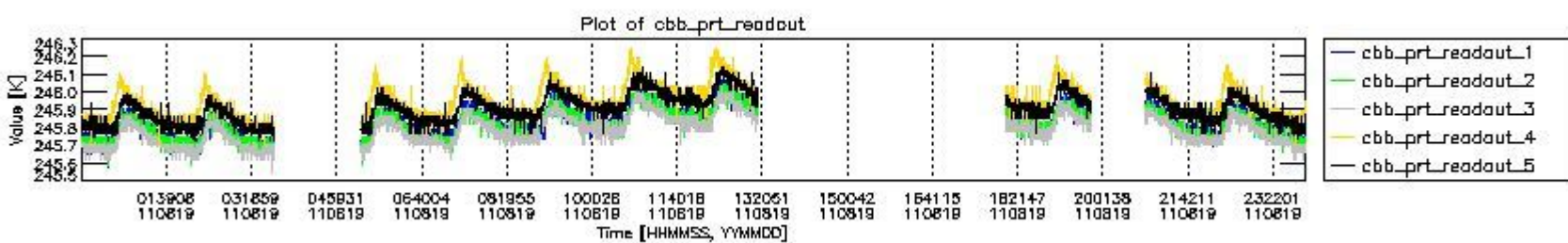
mipas_daily_report_level0_KSPT_L0_4504_N_20110819_6.PNG



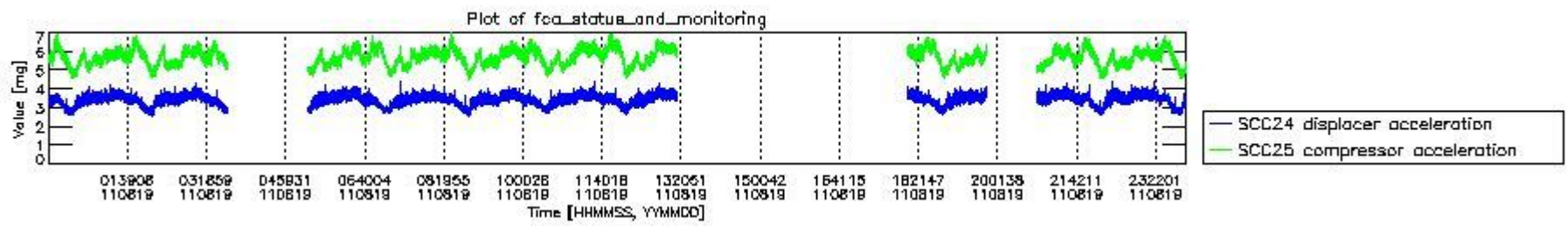
mipas_daily_report_level0_KSPT_L0_4504_N_20110819_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110819_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110819_9.PNG

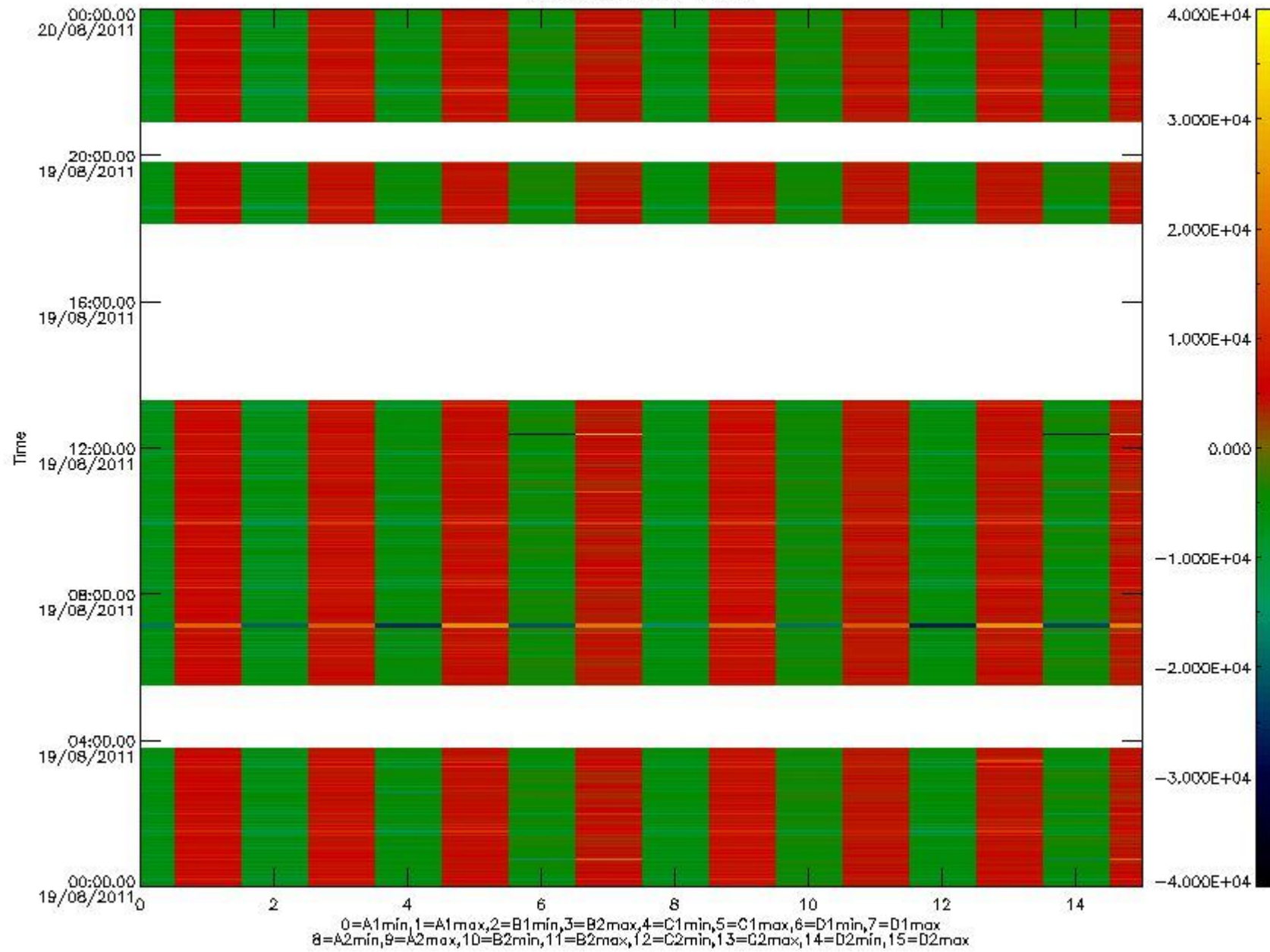


mipas_daily_report_level0_KSPT_L0_4504_N_20110819_10.PNG

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

Channel	Min	Max	ADC
A1	-18421	19667	16bit
B1	-20666	17795	16bit
C1	-25876	25754	16bit
D1	-32768	32767	16bit
A2	-15830	19524	16bit
B2	-18912	18567	16bit
C2	-26910	26513	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_20110819_11.PNG

0.3 ADF monitoring

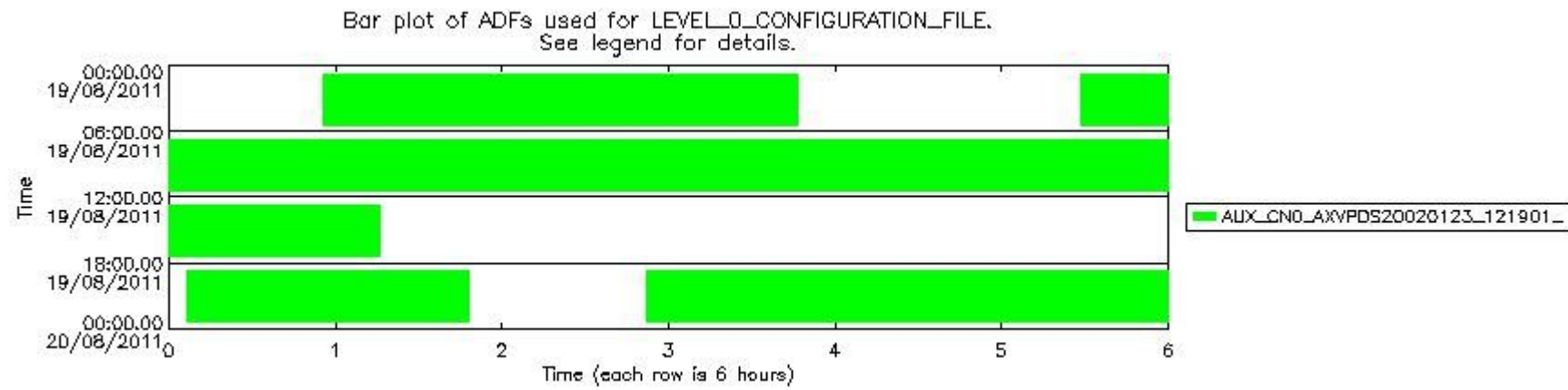
The use of ADFs is shown in two ways:

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.

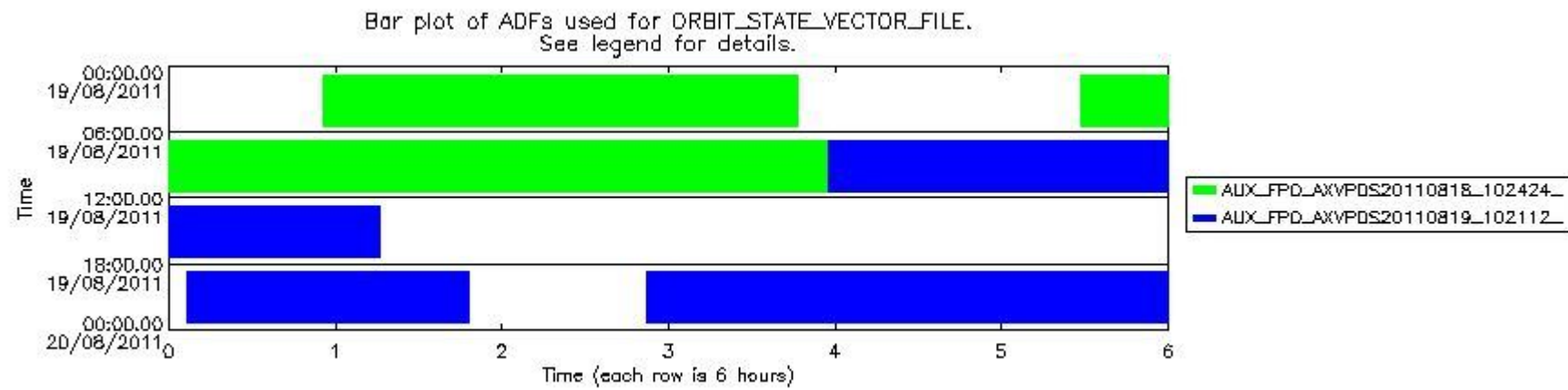
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110818_102424_20110817_190255_20110827_211642
2	AUX_FPO_AXVPDS20110819_102112_20110818_182611_20110828_203958

Number	Product name	#CN0	#FPO
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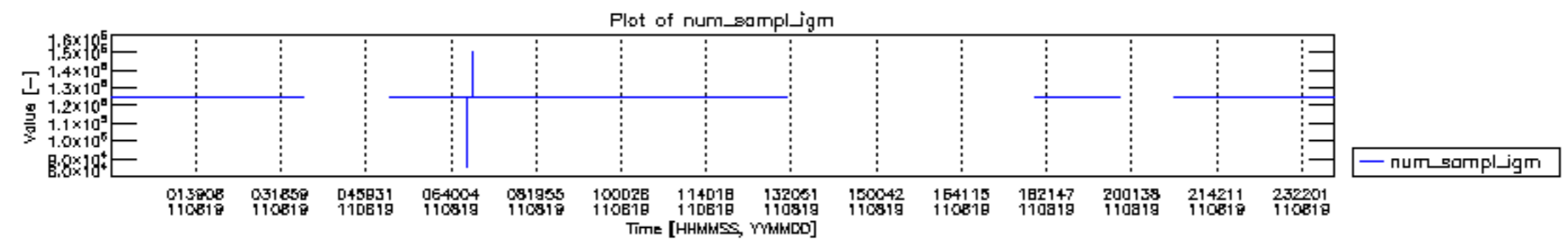
0	MIP_NL__0PNPDE20110819_005541_000054063105_00361_49513_9470.N1	0	1
1	MIP_NL__0PNPDE20110819_022438_000049073105_00362_49514_9471.N1	0	1
2	MIP_NL__0PNPDE20110819_052853_000060373105_00364_49516_9473.N1	0	1
3	MIP_NL__0PNPDK20110819_070857_000040133105_00365_49517_6085.N1	0	1
4	MIP_NL__0PNPDK20110819_081518_000061693105_00366_49518_6086.N1	0	1
5	MIP_NL__0PNPDK20110819_095730_000059163105_00367_49519_6087.N1	0	2
6	MIP_NL__0PNPDK20110819_113524_000060463105_00368_49520_6088.N1	0	2
7	MIP_NL__0PNPDK20110819_180645_000060583105_00372_49524_6092.N1	0	2
8	MIP_NL__0PNPDE20110819_205151_000064553105_00373_49525_9475.N1	0	2
9	MIP_NL__0PNPDE20110819_223825_000061383105_00374_49526_9476.N1	0	2

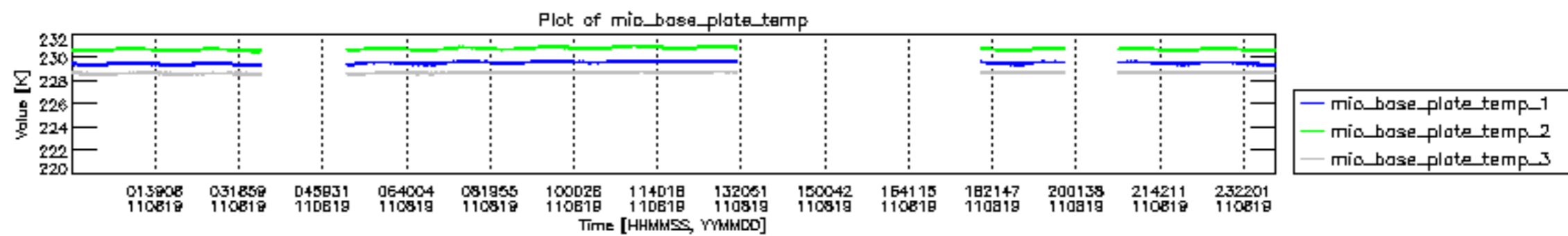


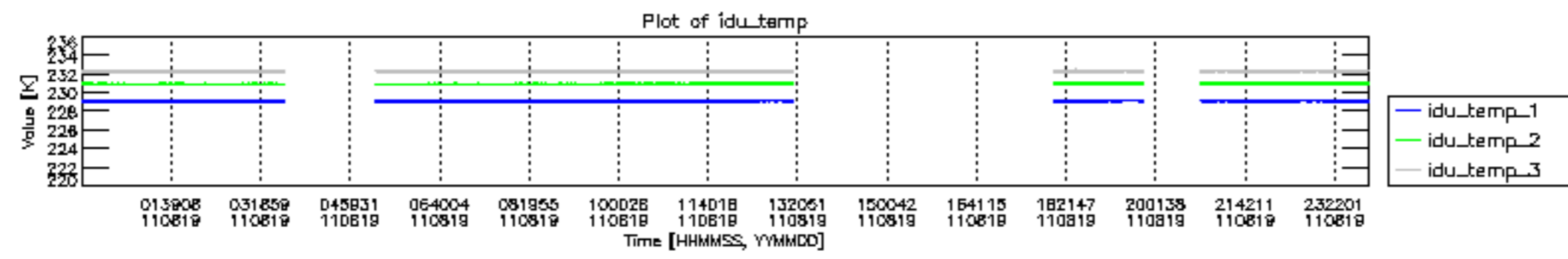
mipas_daily_report_level0_KSPT_L0_4504_N_20110819_12.PNG

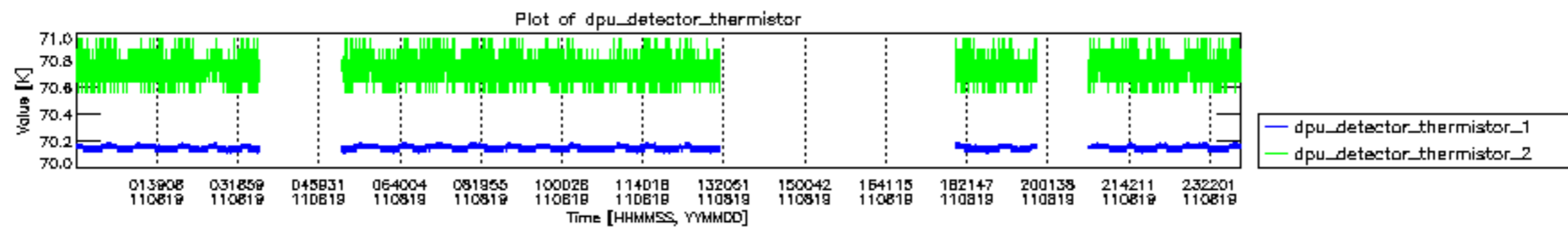


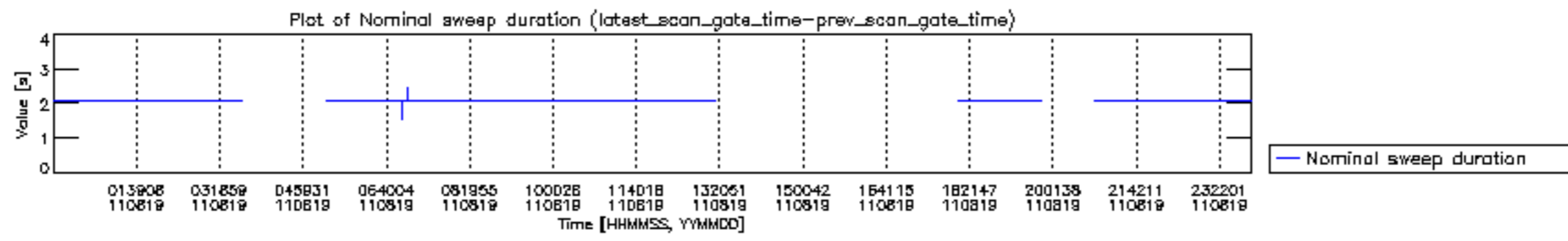
mipas_daily_report_level0_KSPT_L0_4504_N_20110819_13.PNG

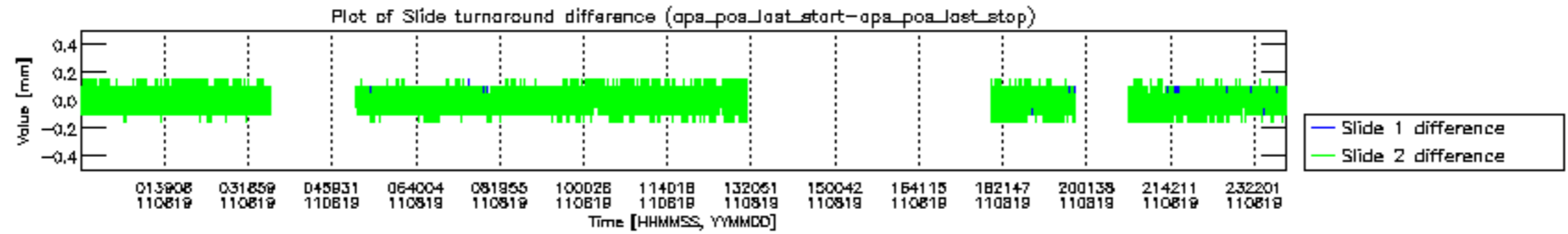


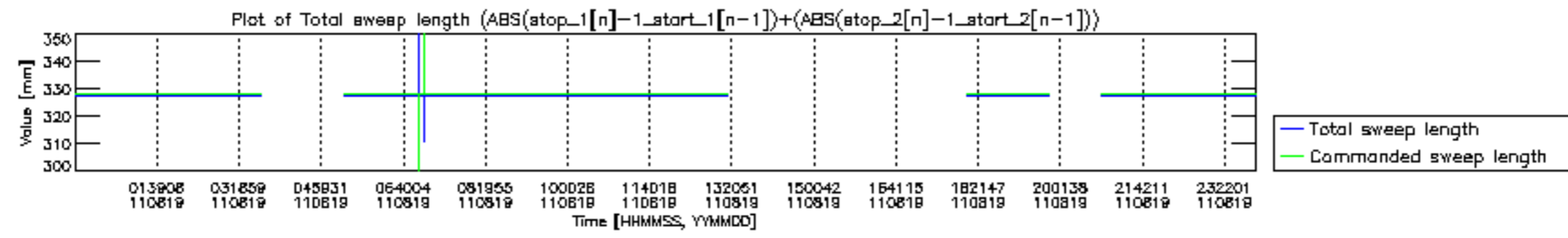


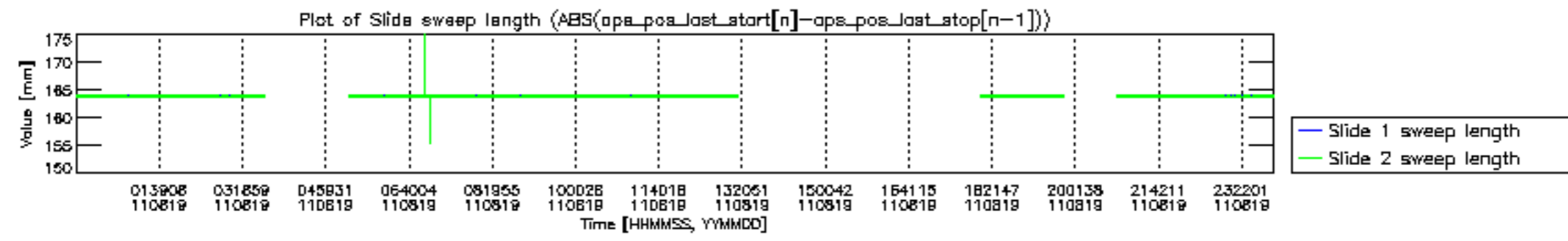


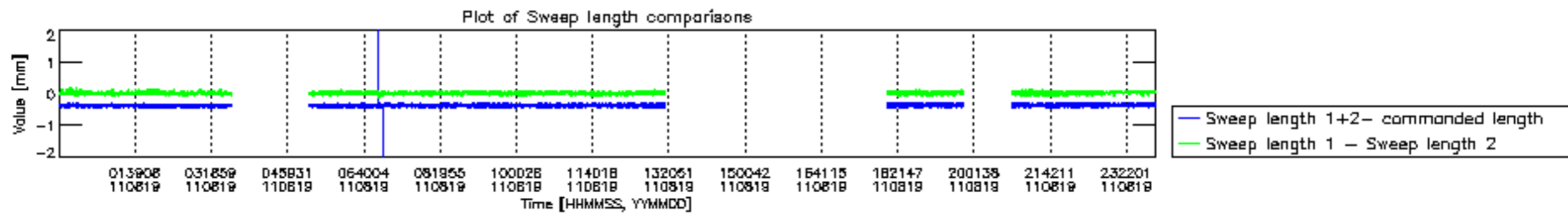


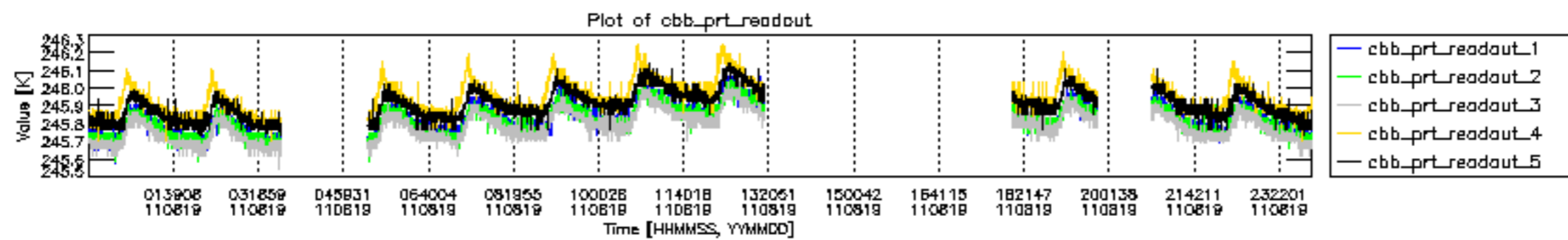


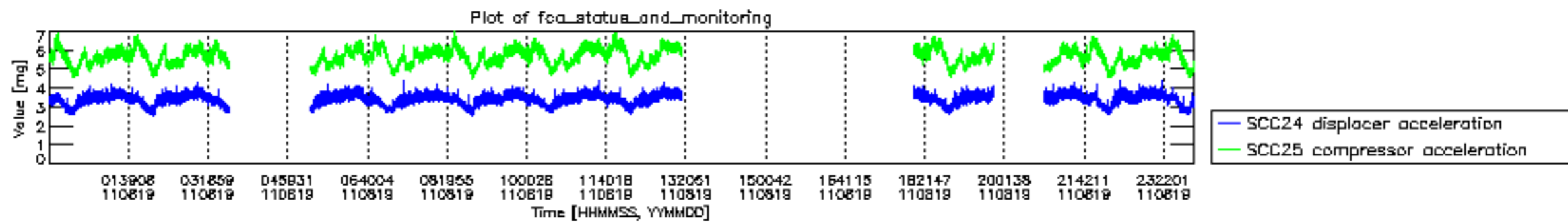












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

