

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	14JUN2011 05:23:27
Data source version	KSPT_L0/4504-N
Processing scope for products	09JUN2011 00:00:00 to 10JUN2011 00:00:00
Start time of first product within scope	09JUN2011 00:58:25
Stop time of last product within scope	10JUN2011 00:21:53
Total number of level 0 products	19
Number of level 0 products with errors	5

0.1.2 Product Quality Indicators per product

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

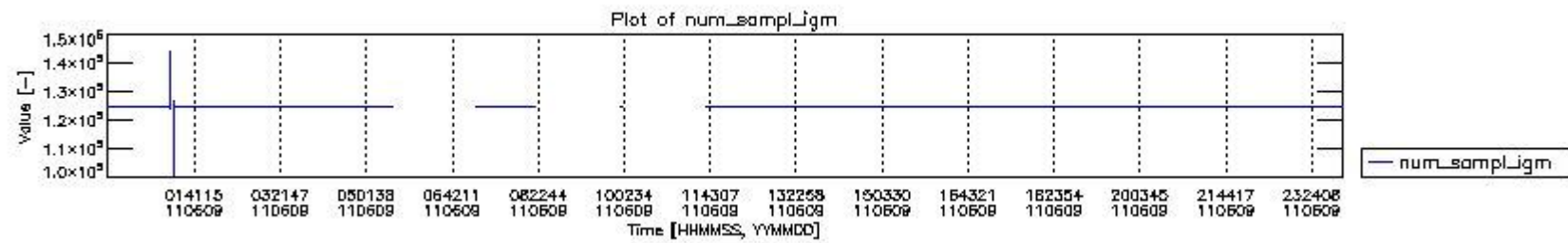
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110609_005825_000102293103_00203_48493_8993.N1	09JUN2011 00:58:25	09JUN2011 03:48:54	0	0	0	0	0
1	MIP_NL__0PNPDE20110609_011710_000014013103_00204_48494_8998.N1	09JUN2011 01:17:10	09JUN2011 01:40:32	0	0	0	0	0
2	MIP_NL__0PNPDE20110609_014000_000077343103_00204_48494_8999.N1	09JUN2011 01:40:00	09JUN2011 03:48:54	0	0	0	0	0
3	MIP_NL__0PNPDE20110609_034823_000061753103_00205_48495_8994.N1	09JUN2011 03:48:23	09JUN2011 05:31:18	0	0	0	0	0
4	MIP_NL__0PNPDK20110609_071044_000040783103_00207_48497_5412.N1	09JUN2011 07:10:44	09JUN2011 08:18:42	0	0	0	0	0
5	MIP_NL__0PNPDK20110609_095747_000000023103_00209_48499_5414.N1	09JUN2011 09:57:47	09JUN2011 09:57:49	1	1	0	0	0
6	MIP_NL__0PNPDK20110609_095749_000000023103_00209_48499_5425.N1	09JUN2011 09:57:49	09JUN2011 09:57:51	1	1	0	0	0
7	MIP_NL__0PNPDK20110609_095751_000000003103_00209_48499_5427.N1	09JUN2011 09:57:51	09JUN2011 09:57:51	1	1	0	0	0
8	MIP_NL__0PNPDK20110609_095753_000000023103_00209_48499_5436.N1	09JUN2011 09:57:53	09JUN2011 09:57:55	1	1	0	0	0
9	MIP_NL__0PNPDK20110609_095755_000000023103_00209_48499_5439.N1	09JUN2011 09:57:55	09JUN2011 09:57:57	1	1	0	0	0
10	MIP_NL__0PNPDK20110609_095757_000001443103_00209_48499_5441.N1	09JUN2011 09:57:57	09JUN2011 10:00:21	0	0	0	0	0
11	MIP_NL__0PNPDK20110609_113832_000059733103_00210_48500_5444.N1	09JUN2011 11:38:32	09JUN2011 13:18:05	0	0	0	0	0
12	MIP_NL__0PNPDK20110609_131734_000058913103_00211_48501_5445.N1	09JUN2011 13:17:34	09JUN2011 14:55:45	0	0	0	0	0
13	MIP_NL__0PNPDK20110609_145501_000058413103_00212_48502_5446.N1	09JUN2011 14:55:01	09JUN2011 16:32:22	0	0	0	0	0
14	MIP_NL__0PNPDK20110609_163140_000059083103_00213_48503_5447.N1	09JUN2011 16:31:40	09JUN2011 18:10:08	0	0	0	0	0
15	MIP_NL__0PNPDK20110609_180914_000059393103_00214_48504_5448.N1	09JUN2011 18:09:14	09JUN2011 19:48:13	0	0	0	0	0
16	MIP_NL__0PNPDE20110609_194700_000040993103_00215_48505_8996.N1	09JUN2011 19:47:00	09JUN2011 20:55:19	0	0	0	0	0
17	MIP_NL__0PNPDE20110609_205343_000064573103_00215_48505_9000.N1	09JUN2011 20:53:43	09JUN2011 22:41:20	0	0	0	0	0
18	MIP_NL__0PNPDE20110609_224017_000060963103_00216_48506_9001.N1	09JUN2011 22:40:17	10JUN2011 00:21:53	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

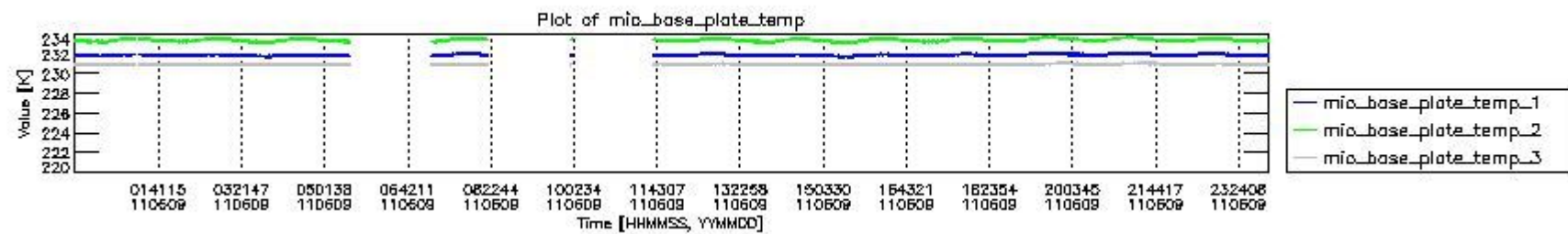
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

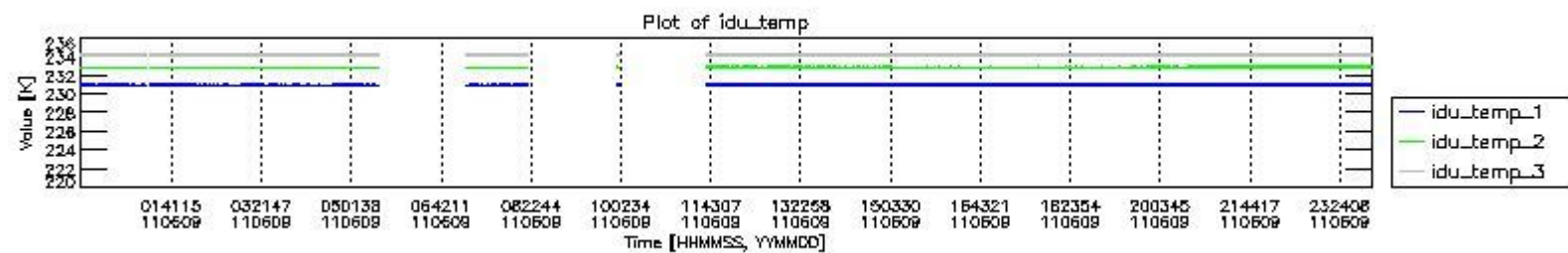
Number of igm samples	Count [#]	Count [%]
100632	1	0.0030373903
124111	1	0.0030373903
124800	30568	92.846946
124803	2349	7.1348298
125884	1	0.0030373903
126968	1	0.0030373903
143554	1	0.0030373903
144243	1	0.0030373903



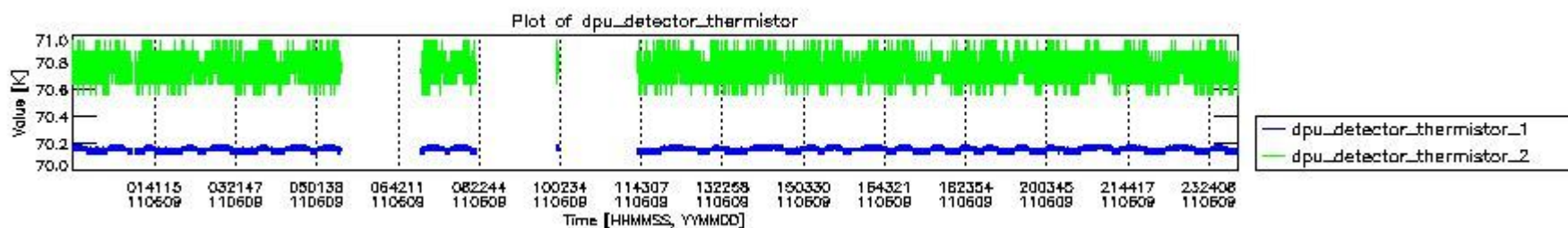
mipas_daily_report_level0_KSPT_L0_4504_N_20110609_0.PNG



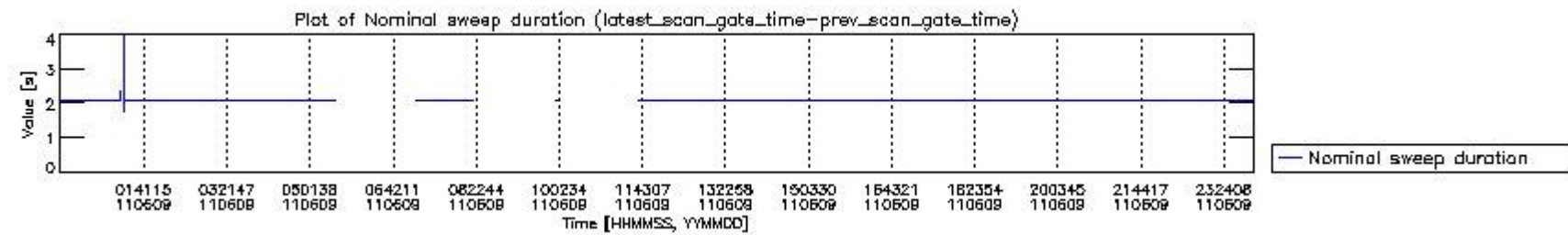
mipas_daily_report_level0_KSPT_L0_4504_N_20110609_1.PNG



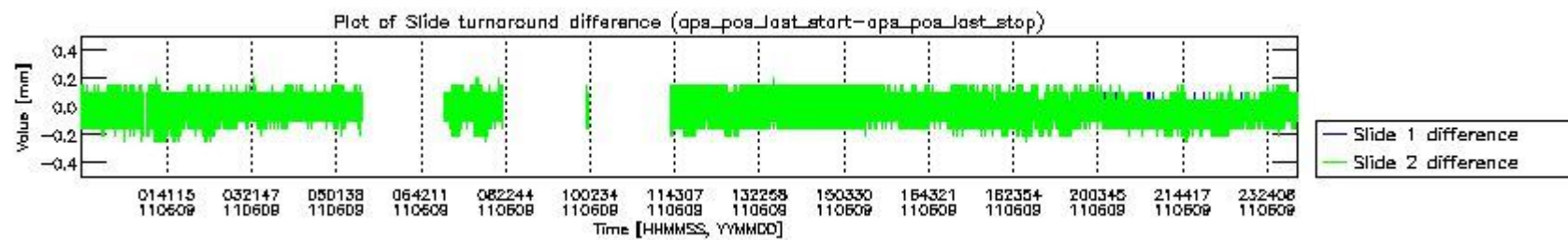
mipas_daily_report_level0_KSPT_L0_4504_N_20110609_2.PNG



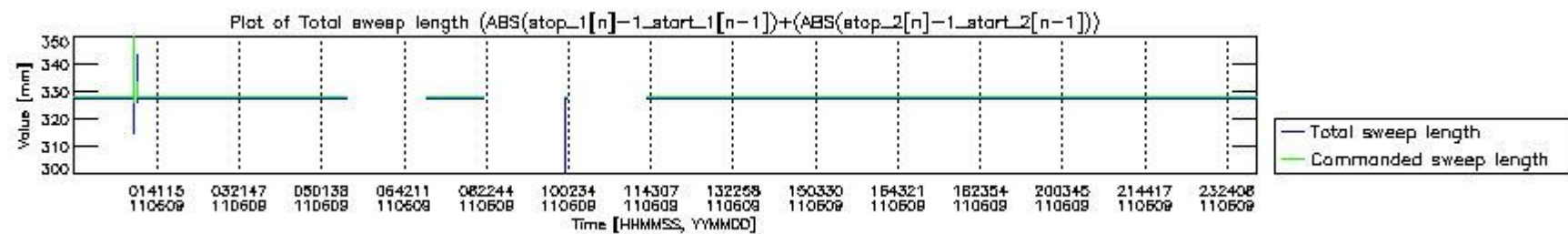
mipas_daily_report_level0_KSPT_L0_4504_N_20110609_3.PNG



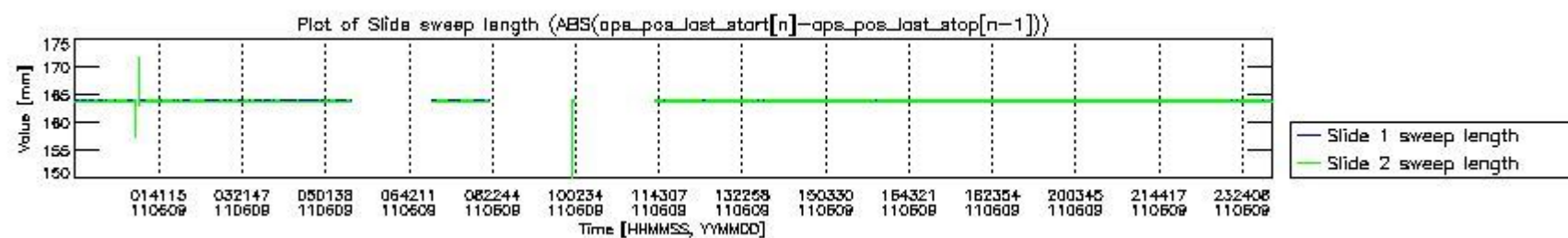
mipas_daily_report_level0_KSPT_L0_4504_N_20110609_4.PNG



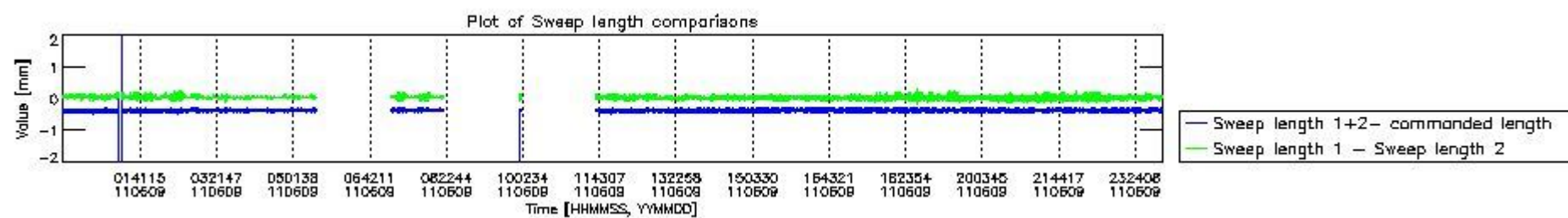
mipas_daily_report_level0_KSPT_L0_4504_N_20110609_5.PNG



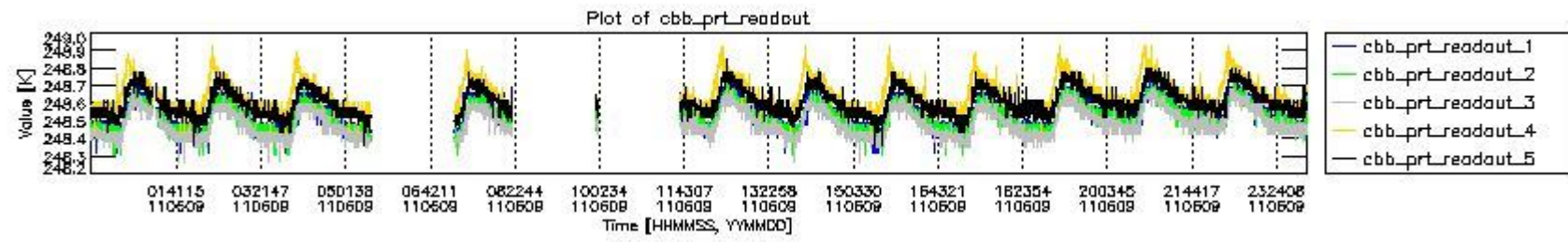
mipas_daily_report_level0_KSPT_L0_4504_N_20110609_6.PNG



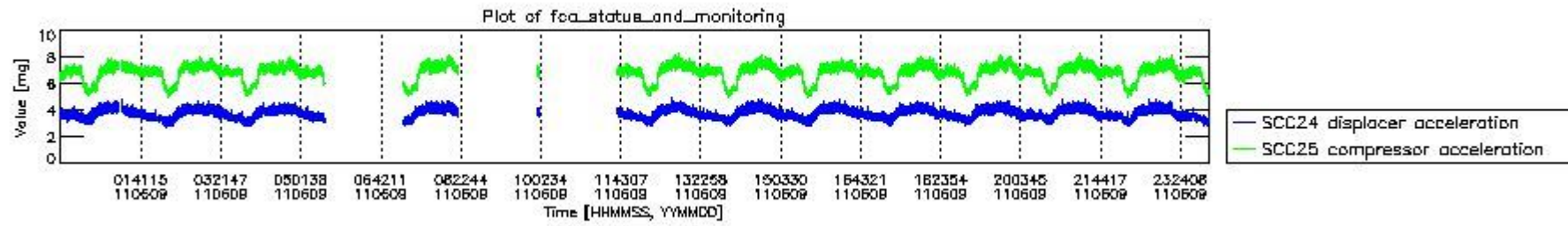
mipas_daily_report_level0_KSPT_L0_4504_N_20110609_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110609_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110609_9.PNG

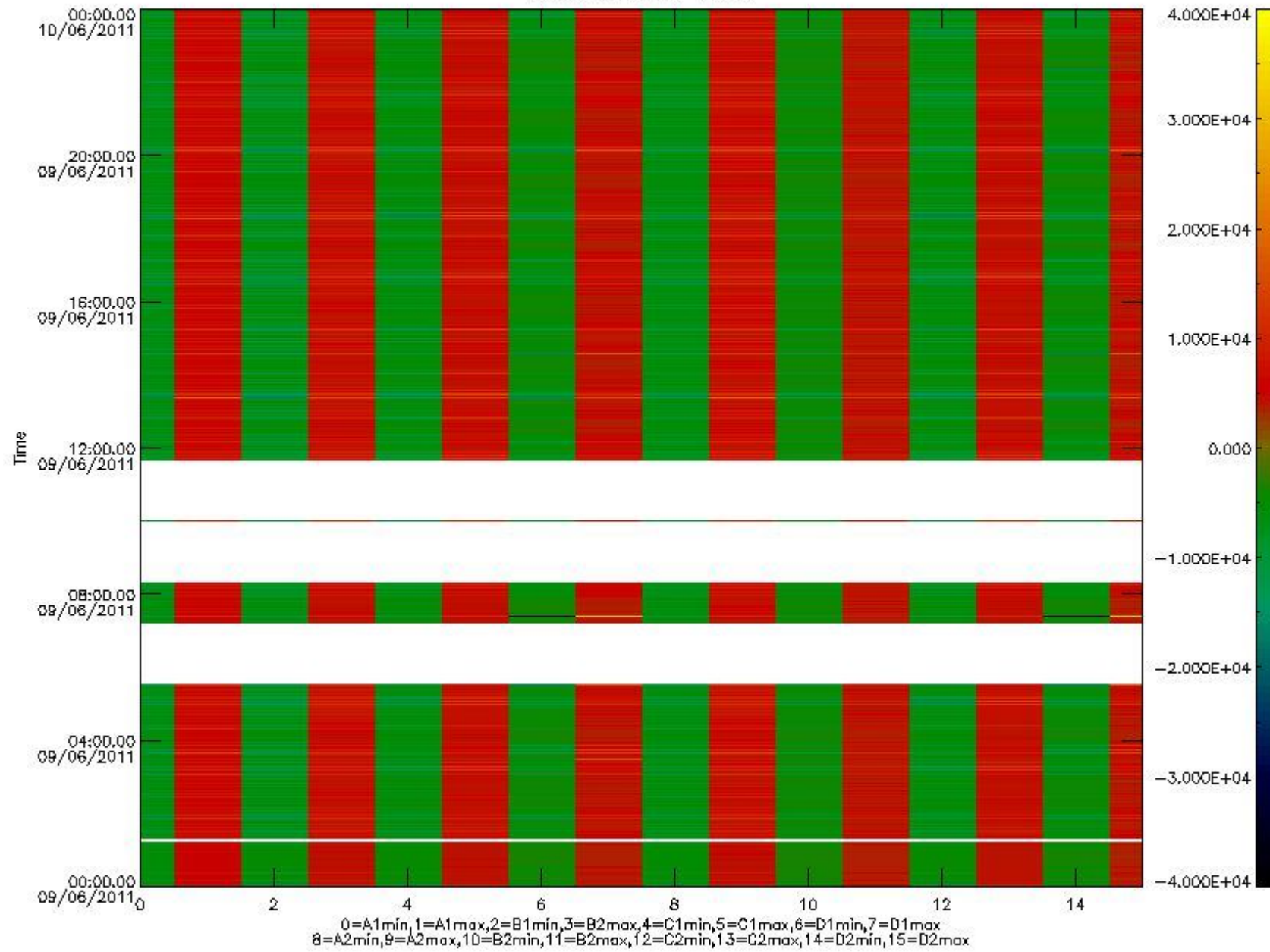


mipas_daily_report_level0_KSPT_L0_4504_N_20110609_10.PNG

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

Channel	Min	Max	ADC
A1	-18257	19614	16bit
B1	-18720	16218	16bit
C1	-22711	22369	16bit
D1	-32768	32767	16bit
A2	-15593	19292	16bit
B2	-16769	16457	16bit
C2	-22954	25182	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_20110609_11.PNG

0.3 ADF monitoring

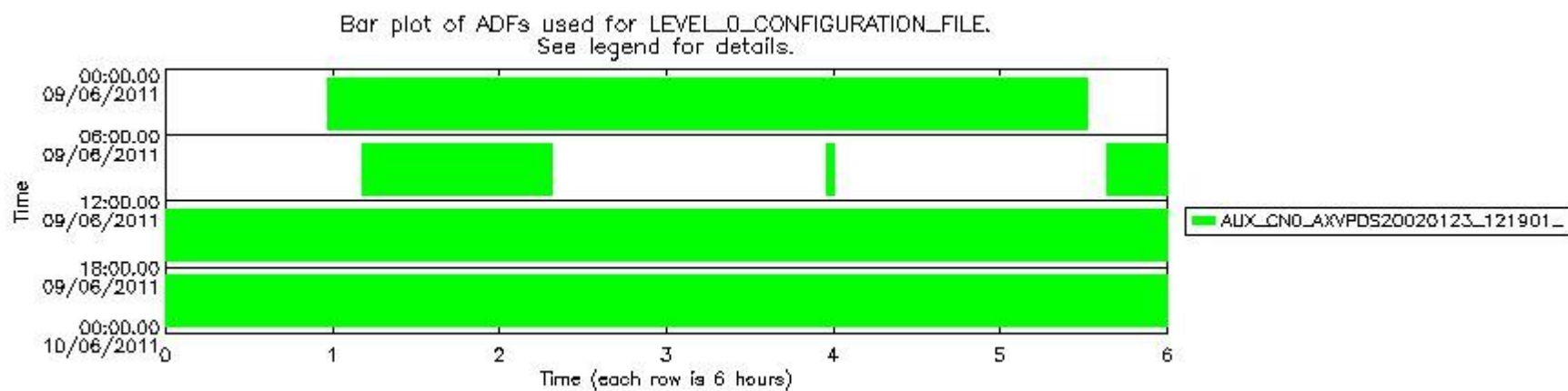
The use of ADFs is shown in two ways:

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.

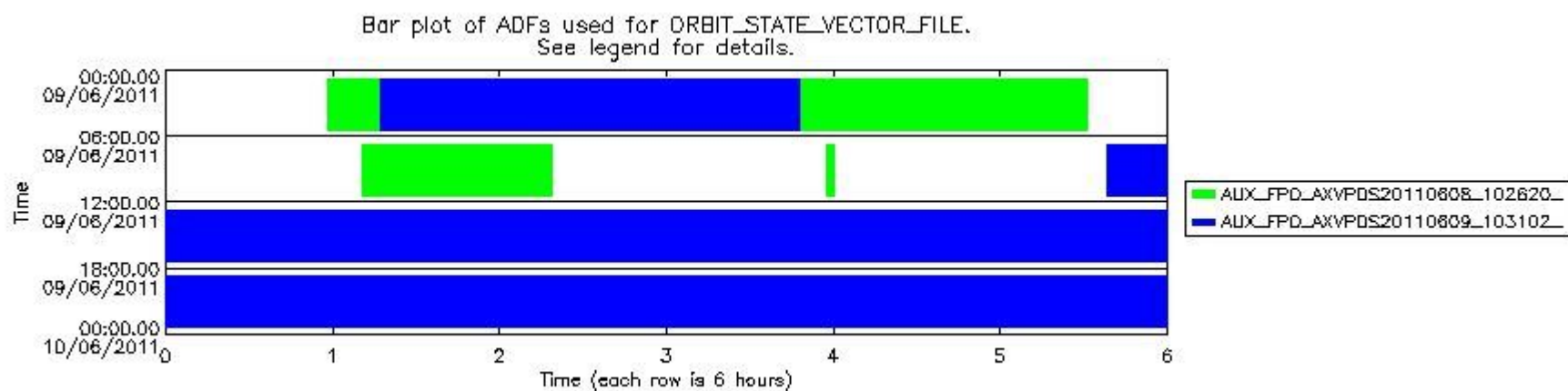
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110608_102620_20110607_190514_20110617_211901
2	AUX_FPO_AXVPDS20110609_103102_20110608_182830_20110618_204217

Number	Product name	#CN0	#FPO
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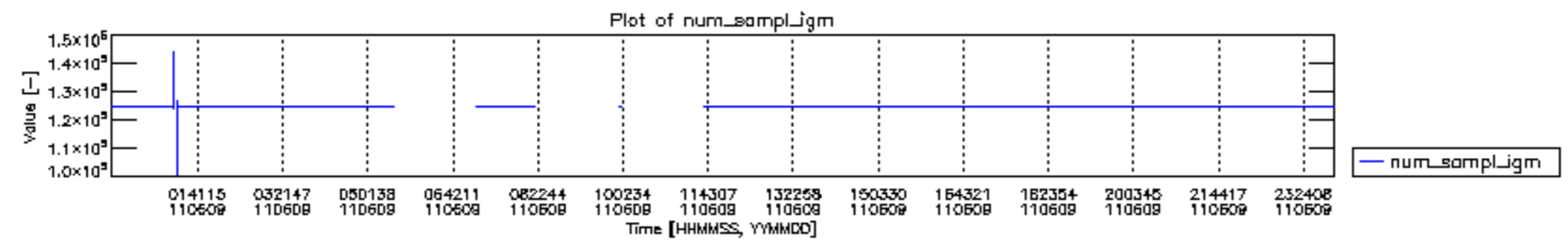
0	MIP_NL__0PNPDE20110609_005825_000102293103_00203_48493_8993.N1	0	1
1	MIP_NL__0PNPDE20110609_011710_000014013103_00204_48494_8998.N1	0	2
2	MIP_NL__0PNPDE20110609_014000_000077343103_00204_48494_8999.N1	0	2
3	MIP_NL__0PNPDE20110609_034823_000061753103_00205_48495_8994.N1	0	1
4	MIP_NL__0PNPDK20110609_071044_000040783103_00207_48497_5412.N1	0	1
5	MIP_NL__0PNPDK20110609_095747_000000023103_00209_48499_5414.N1	0	1
6	MIP_NL__0PNPDK20110609_095749_000000023103_00209_48499_5425.N1	0	1
7	MIP_NL__0PNPDK20110609_095751_000000003103_00209_48499_5427.N1	0	1
8	MIP_NL__0PNPDK20110609_095753_000000023103_00209_48499_5436.N1	0	1
9	MIP_NL__0PNPDK20110609_095755_000000023103_00209_48499_5439.N1	0	1
10	MIP_NL__0PNPDK20110609_095757_000001443103_00209_48499_5441.N1	0	1
11	MIP_NL__0PNPDK20110609_113832_000059733103_00210_48500_5444.N1	0	2
12	MIP_NL__0PNPDK20110609_131734_000058913103_00211_48501_5445.N1	0	2
13	MIP_NL__0PNPDK20110609_145501_000058413103_00212_48502_5446.N1	0	2
14	MIP_NL__0PNPDK20110609_163140_000059083103_00213_48503_5447.N1	0	2
15	MIP_NL__0PNPDK20110609_180914_000059393103_00214_48504_5448.N1	0	2
16	MIP_NL__0PNPDE20110609_194700_000040993103_00215_48505_8996.N1	0	2
17	MIP_NL__0PNPDE20110609_205343_000064573103_00215_48505_9000.N1	0	2
18	MIP_NL__0PNPDE20110609_224017_000060963103_00216_48506_9001.N1	0	2

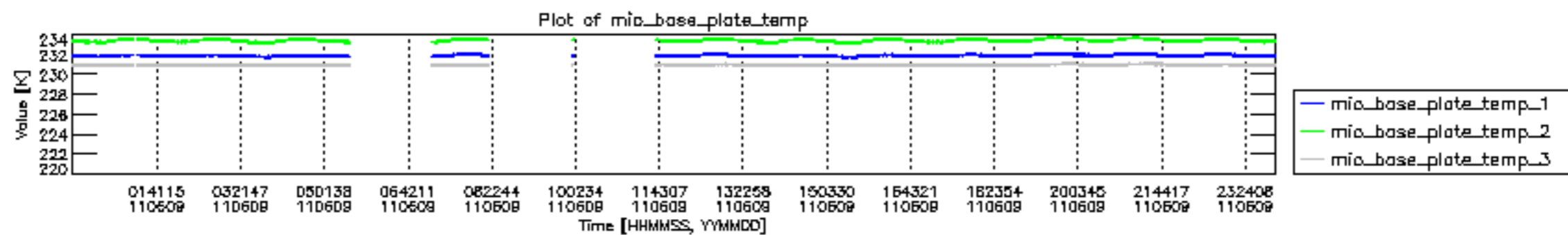


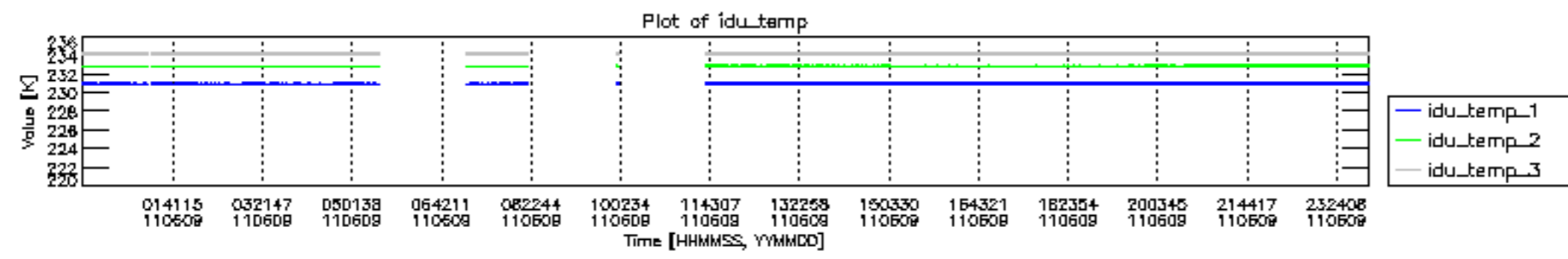
mipas_daily_report_level0_KSPT_L0_4504_N_20110609_12.PNG

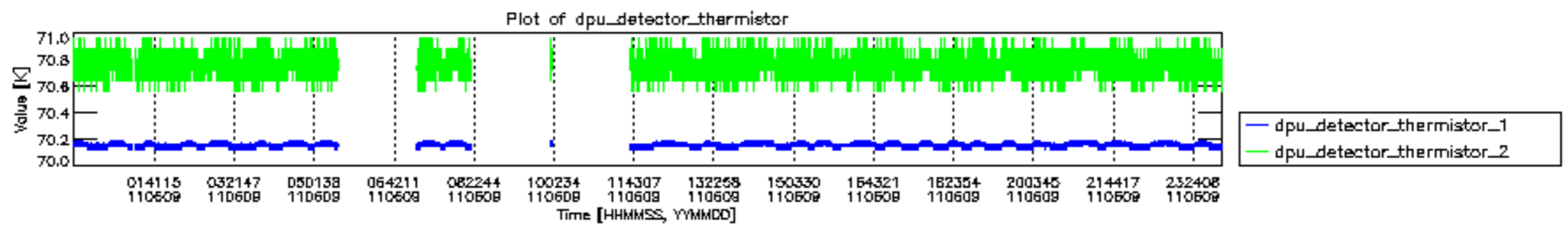


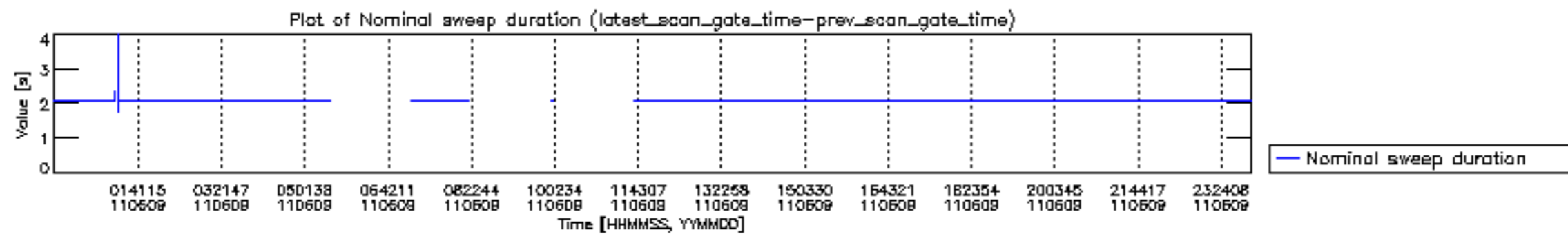
mipas_daily_report_level0_KSPT_L0_4504_N_20110609_13.PNG

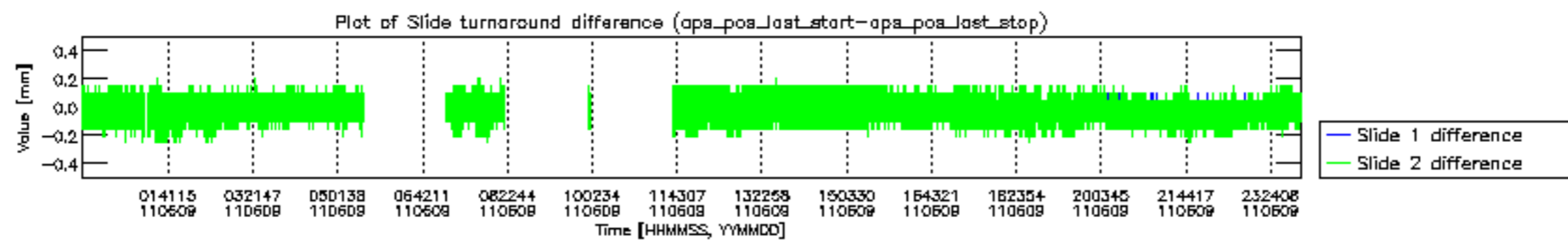


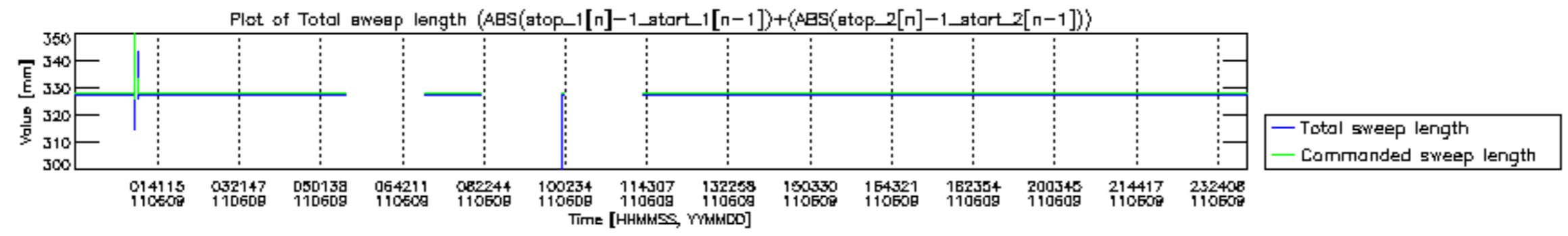


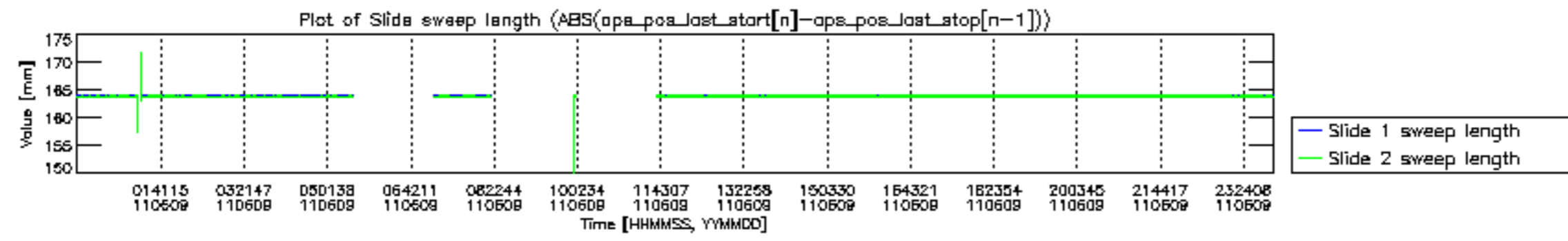


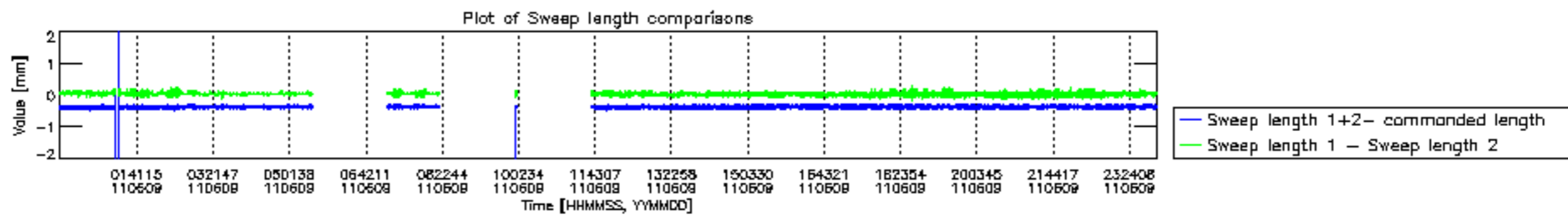


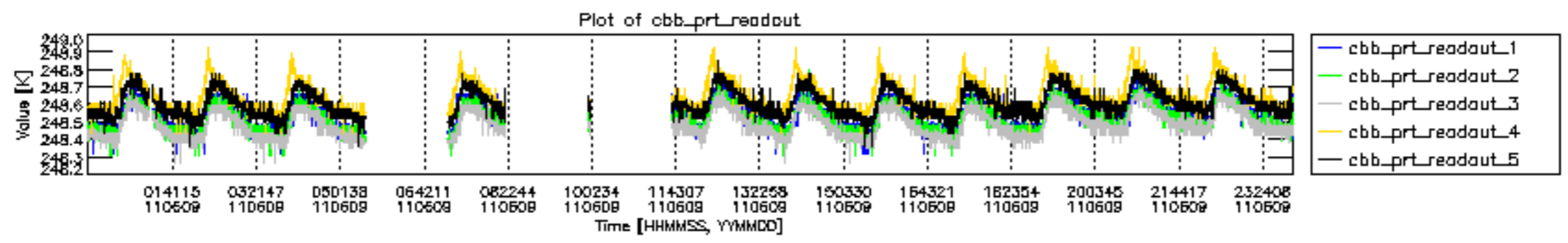


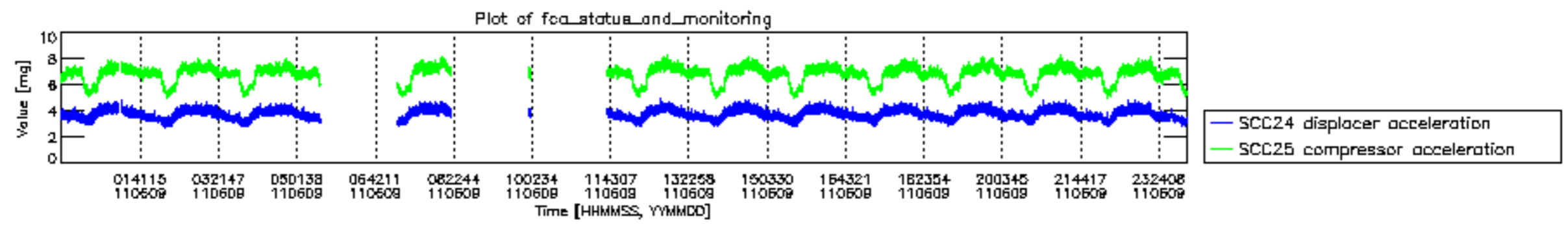












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

