

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	09JUN2011 05:23:36
Data source version	KSPT_L0/4504-N
Processing scope for products	04JUN2011 00:00:00 to 05JUN2011 00:00:00
Start time of first product within scope	04JUN2011 00:39:44
Stop time of last product within scope	05JUN2011 00:04:21
Total number of level 0 products	20
Number of level 0 products with errors	4

0.1.2 Product Quality Indicators per product

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

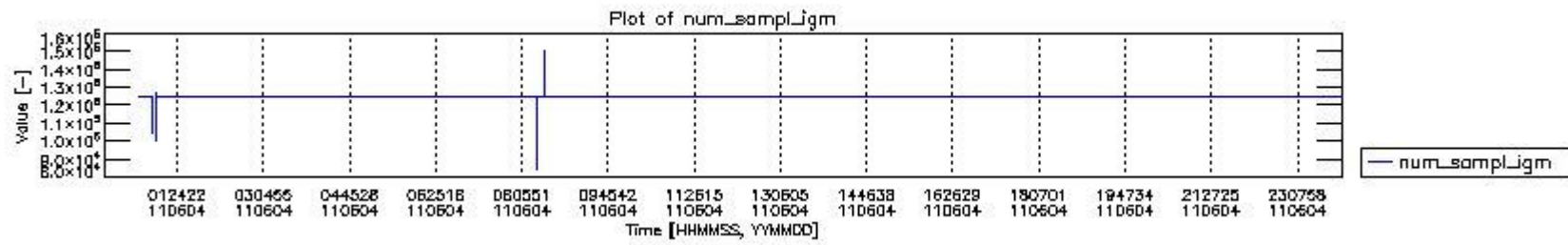
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110604_003944_000058263103_00131_48421_8963.N1	04JUN2011 00:39:44	04JUN2011 02:16:50	0	0	0	0	0
1	MIP_NL__0PNPDE20110604_021510_000047073103_00132_48422_8964.N1	04JUN2011 02:15:10	04JUN2011 03:33:36	0	0	0	0	0
2	MIP_NL__0PNPDE20110604_033259_000060503103_00133_48423_8965.N1	04JUN2011 03:32:59	04JUN2011 05:13:49	0	0	0	0	0
3	MIP_NL__0PNPDE20110604_051311_000060373103_00134_48424_8966.N1	04JUN2011 05:13:11	04JUN2011 06:53:48	0	0	0	0	0
4	MIP_NL__0PNPDK20110604_065309_000041493103_00135_48425_5326.N1	04JUN2011 06:53:09	04JUN2011 08:02:17	0	0	0	0	0
5	MIP_NL__0PNPDK20110604_080146_000060953103_00136_48426_5327.N1	04JUN2011 08:01:46	04JUN2011 09:43:21	0	0	0	0	0
6	MIP_NL__0PNPDK20110604_094240_000059353103_00137_48427_5328.N1	04JUN2011 09:42:40	04JUN2011 11:21:35	0	0	0	0	0
7	MIP_NL__0PNPDK20110604_112053_000060293103_00138_48428_5351.N1	04JUN2011 11:20:53	04JUN2011 13:01:22	1	1	1	0	1
8	MIP_NL__0PNPDK20110604_115653_000000673103_00138_48428_5344.N1	04JUN2011 11:56:53	04JUN2011 11:58:00	1	1	0	0	1
9	MIP_NL__0PNPDK20110604_115712_000000463103_00138_48428_5335.N1	04JUN2011 11:57:12	04JUN2011 11:57:58	1	1	0	0	1
10	MIP_NL__0PNPDK20110604_115800_000000003103_00138_48428_5345.N1	04JUN2011 11:58:00	04JUN2011 11:58:00	0	0	0	0	0
11	MIP_NL__0PNPDK20110604_115802_000000003103_00138_48428_5347.N1	04JUN2011 11:58:02	04JUN2011 11:58:02	1	1	0	0	0
12	MIP_NL__0PNPDK20110604_115806_000037963103_00138_48428_5348.N1	04JUN2011 11:58:06	04JUN2011 13:01:22	0	0	0	0	0
13	MIP_NL__0PNPDK20110604_130050_000059523103_00139_48429_5352.N1	04JUN2011 13:00:50	04JUN2011 14:40:02	0	0	0	0	0
14	MIP_NL__0PNPDK20110604_143918_000058283103_00140_48430_5353.N1	04JUN2011 14:39:18	04JUN2011 16:16:27	0	0	0	0	0
15	MIP_NL__0PNPDK20110604_161547_000059203103_00141_48431_5354.N1	04JUN2011 16:15:47	04JUN2011 17:54:27	0	0	0	0	0
16	MIP_NL__0PNPDK20110604_175331_000059293103_00142_48432_5355.N1	04JUN2011 17:53:31	04JUN2011 19:32:19	0	0	0	0	0
17	MIP_NL__0PNPDK20110604_193121_000061023103_00143_48433_5357.N1	04JUN2011 19:31:21	04JUN2011 21:13:03	0	0	0	0	0
18	MIP_NL__0PNPDE20110604_211127_000043913103_00144_48434_8967.N1	04JUN2011 21:11:27	04JUN2011 22:24:38	0	0	0	0	0
19	MIP_NL__0PNPDE20110604_222323_000060583103_00144_48434_8968.N1	04JUN2011 22:23:23	05JUN2011 00:04:21	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

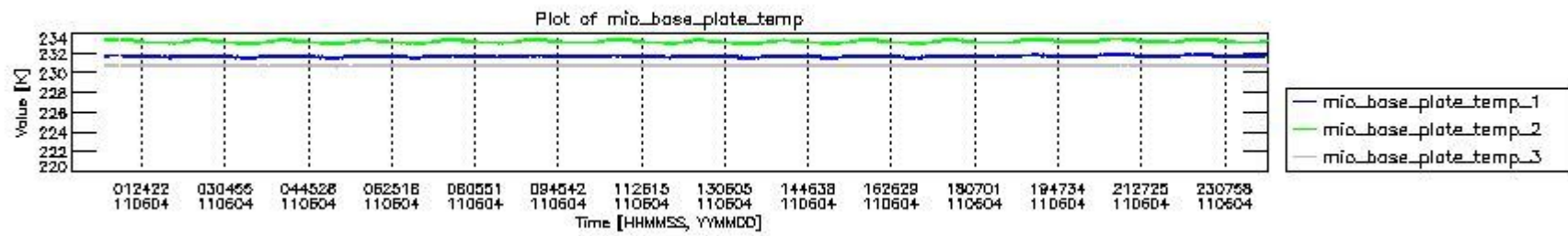
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

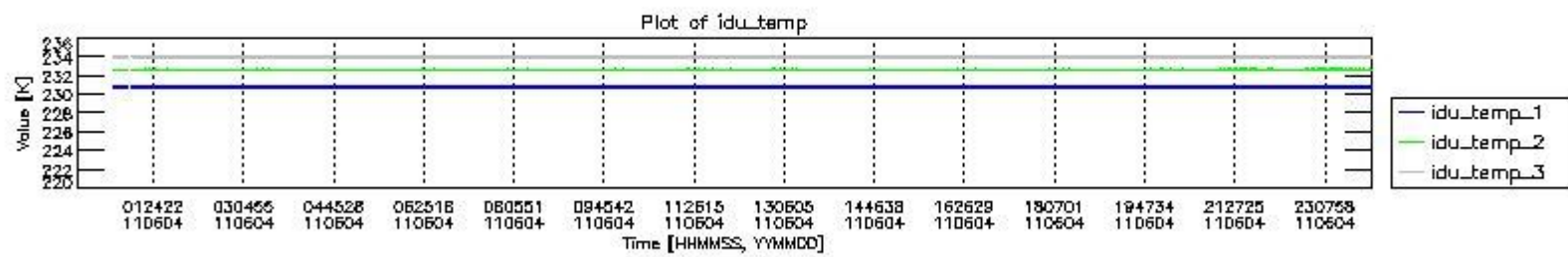
Number of igm samples	Count [#]	Count [%]
83930	1	0.0023737745
94302	1	0.0023737745
100706	1	0.0023737745
104300	1	0.0023737745
104487	1	0.0023737745
114431	1	0.0023737745
124616	1	0.0023737745
124800	39136	92.900040
124803	2979	7.0714744
125958	1	0.0023737745
127116	1	0.0023737745
127679	1	0.0023737745
147811	1	0.0023737745
150690	1	0.0023737745



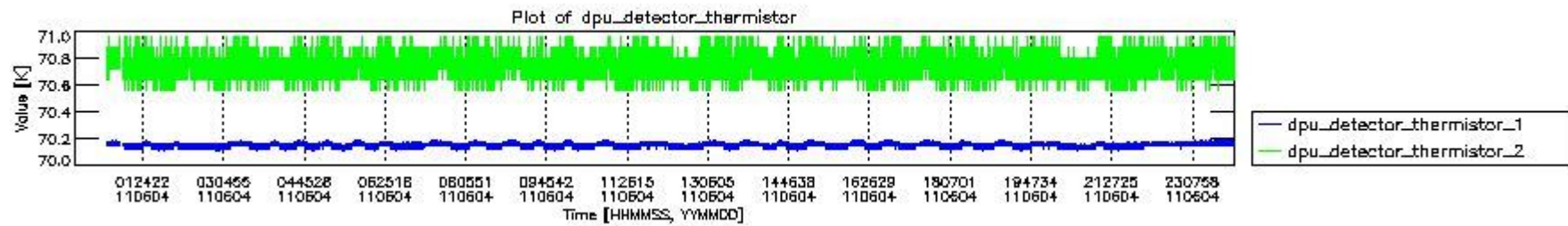
mipas_daily_report_level0_KSPT_L0_4504_N_20110604_0.PNG



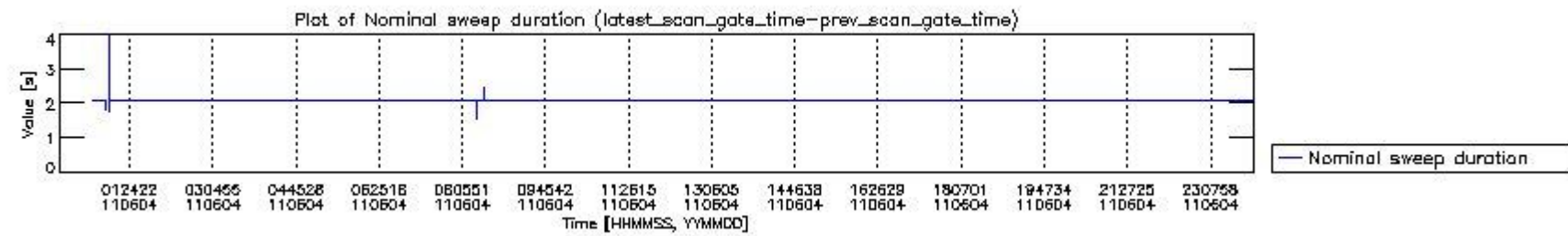
mipas_daily_report_level0_KSPT_L0_4504_N_20110604_1.PNG



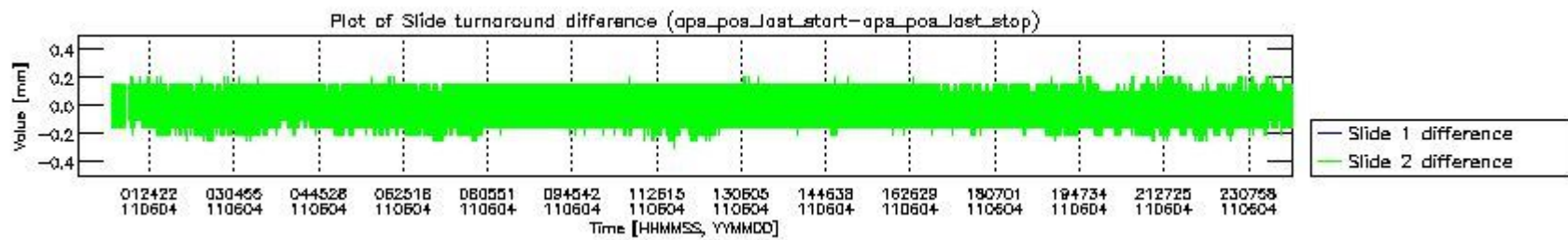
mipas_daily_report_level0_KSPT_L0_4504_N_20110604_2.PNG



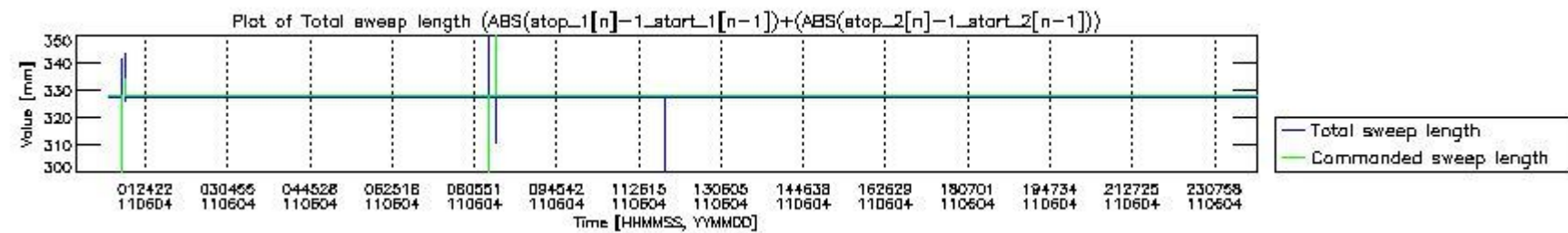
mipas_daily_report_level0_KSPT_L0_4504_N_20110604_3.PNG



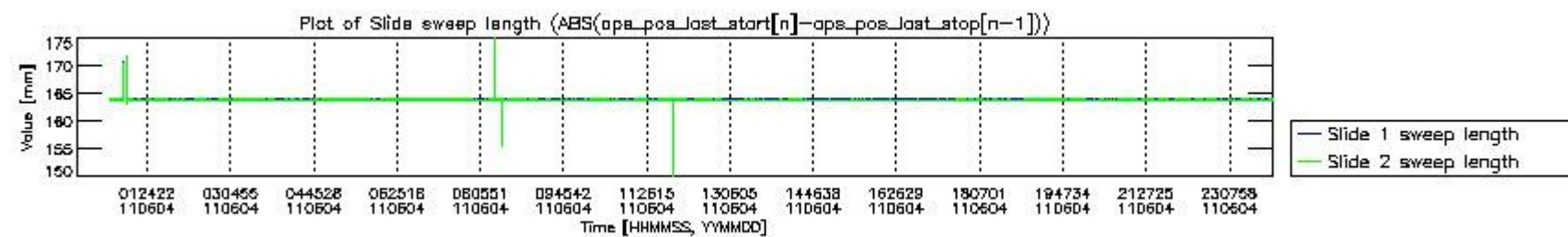
mipas_daily_report_level0_KSPT_L0_4504_N_20110604_4.PNG



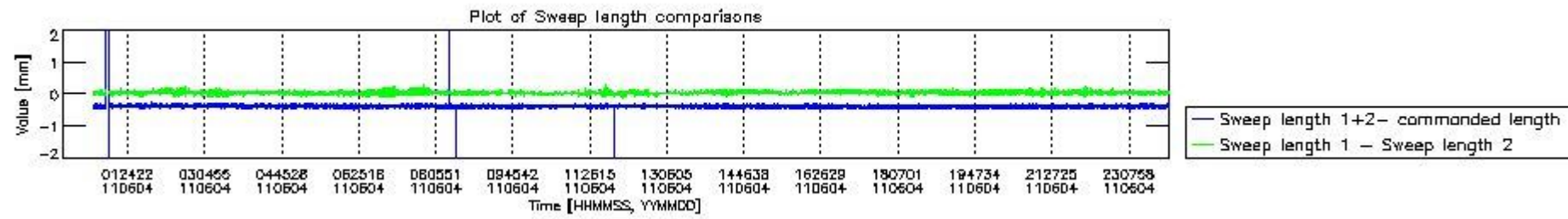
mipas_daily_report_level0_KSPT_L0_4504_N_20110604_5.PNG



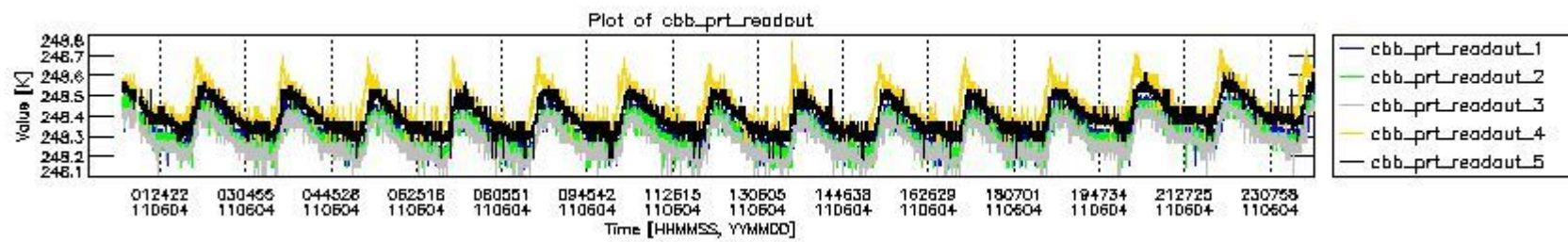
mipas_daily_report_level0_KSPT_L0_4504_N_20110604_6.PNG



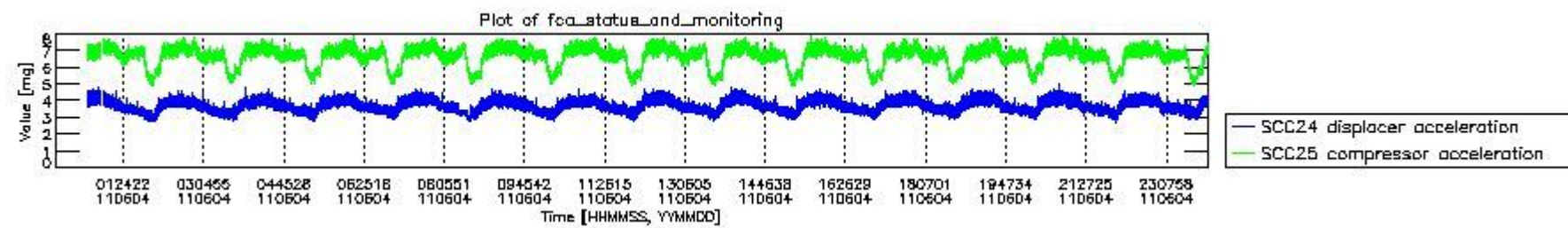
mipas_daily_report_level0_KSPT_L0_4504_N_20110604_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110604_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110604_9.PNG

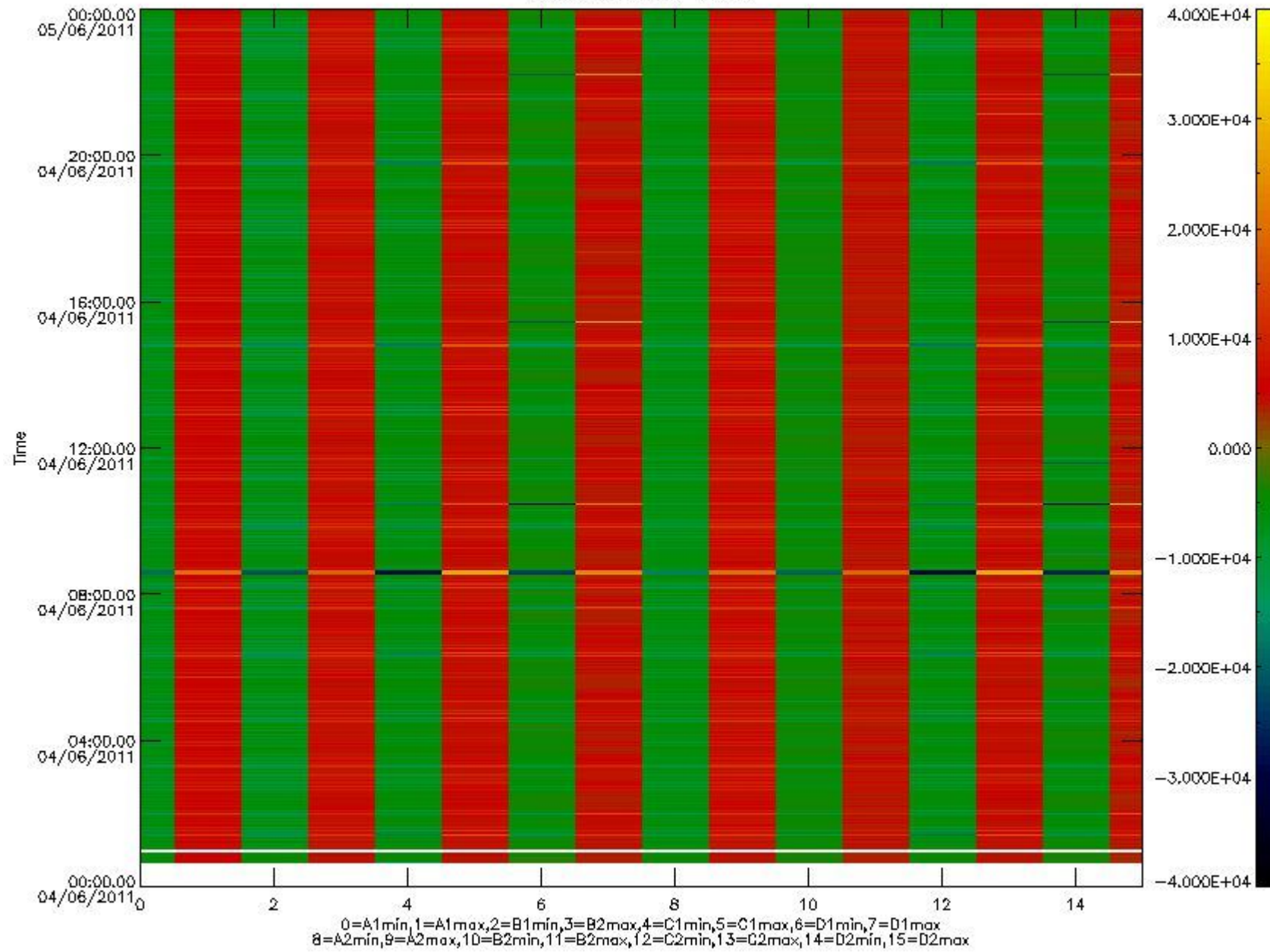


mipas_daily_report_level0_KSPT_L0_4504_N_20110604_10.PNG

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

Channel	Min	Max	ADC
A1	-19272	20542	16bit
B1	-22070	18841	16bit
C1	-28713	28607	16bit
D1	-32768	32767	16bit
A2	-16571	20636	16bit
B2	-20563	20059	16bit
C2	-29810	29447	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_20110604_11.PNG

0.3 ADF monitoring

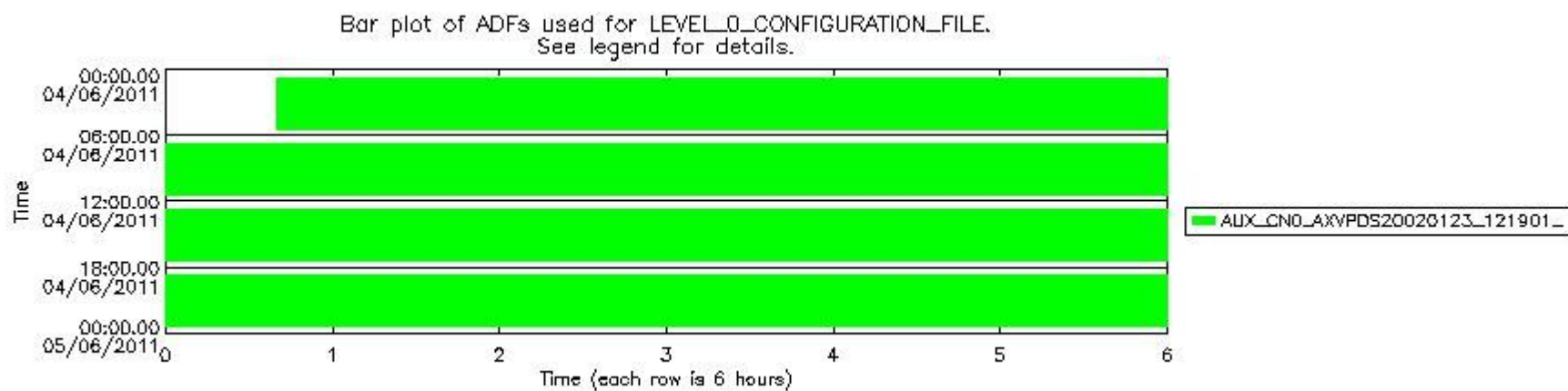
The use of ADFs is shown in two ways:

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.

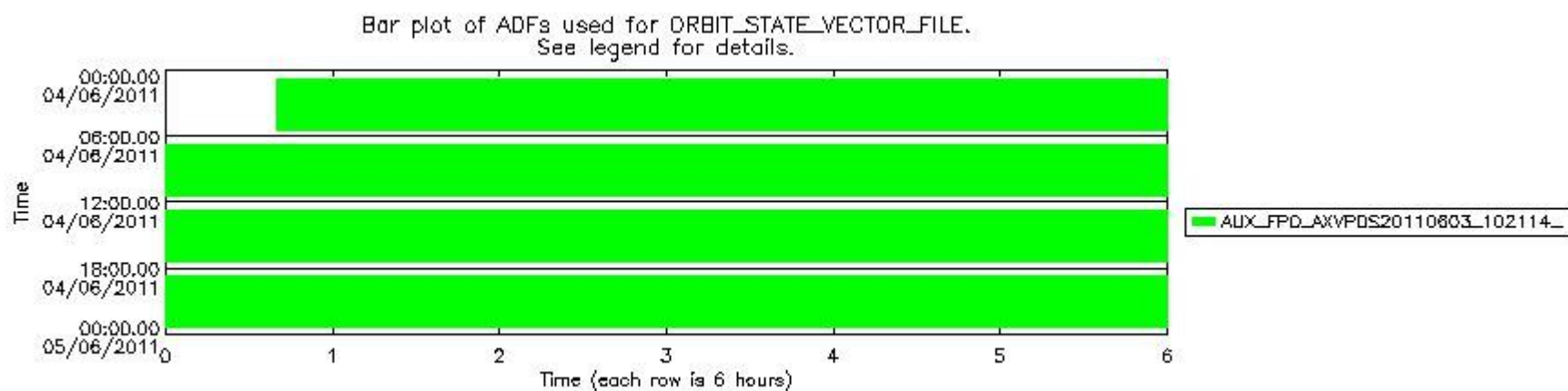
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110603_102114_20110602_184828_20110612_210215

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110604_003944_000058263103_00131_48421_8963.N1	0	1

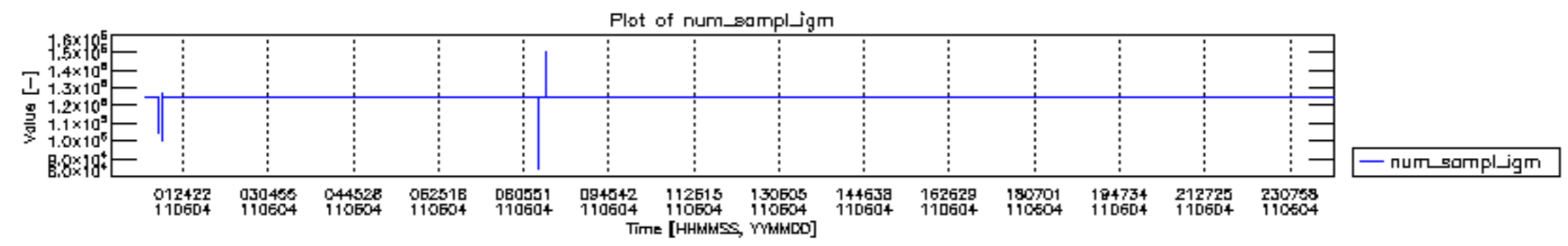
1	MIP_NL__0PNPDE20110604_021510_000047073103_00132_48422_8964.N1	0	1
2	MIP_NL__0PNPDE20110604_033259_000060503103_00133_48423_8965.N1	0	1
3	MIP_NL__0PNPDE20110604_051311_000060373103_00134_48424_8966.N1	0	1
4	MIP_NL__0PNPDK20110604_065309_000041493103_00135_48425_5326.N1	0	1
5	MIP_NL__0PNPDK20110604_080146_000060953103_00136_48426_5327.N1	0	1
6	MIP_NL__0PNPDK20110604_094240_000059353103_00137_48427_5328.N1	0	1
7	MIP_NL__0PNPDK20110604_112053_000060293103_00138_48428_5351.N1	0	1
8	MIP_NL__0PNPDK20110604_115653_000000673103_00138_48428_5344.N1	0	1
9	MIP_NL__0PNPDK20110604_115712_000000463103_00138_48428_5335.N1	0	1
10	MIP_NL__0PNPDK20110604_115800_000000003103_00138_48428_5345.N1	0	1
11	MIP_NL__0PNPDK20110604_115802_000000003103_00138_48428_5347.N1	0	1
12	MIP_NL__0PNPDK20110604_115806_000037963103_00138_48428_5348.N1	0	1
13	MIP_NL__0PNPDK20110604_130050_000059523103_00139_48429_5352.N1	0	1
14	MIP_NL__0PNPDK20110604_143918_000058283103_00140_48430_5353.N1	0	1
15	MIP_NL__0PNPDK20110604_161547_000059203103_00141_48431_5354.N1	0	1
16	MIP_NL__0PNPDK20110604_175331_000059293103_00142_48432_5355.N1	0	1
17	MIP_NL__0PNPDK20110604_193121_000061023103_00143_48433_5357.N1	0	1
18	MIP_NL__0PNPDE20110604_211127_000043913103_00144_48434_8967.N1	0	1
19	MIP_NL__0PNPDE20110604_222323_000060583103_00144_48434_8968.N1	0	1

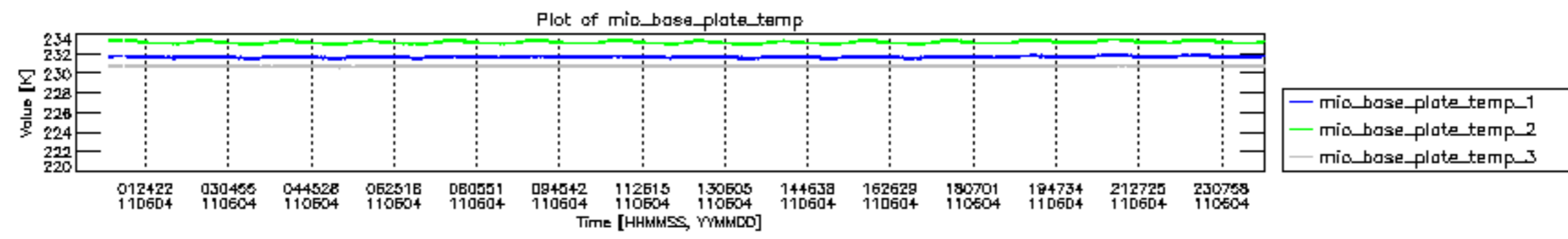


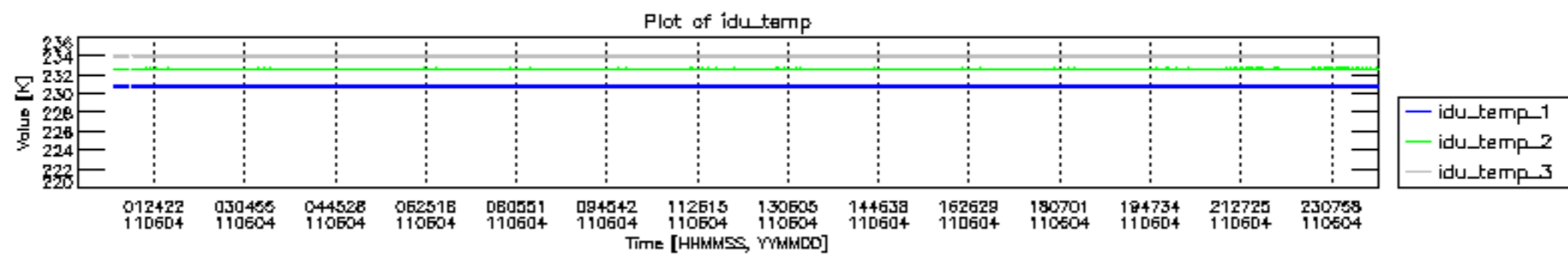
mipas_daily_report_level0_KSPT_L0_4504_N_20110604_12.PNG

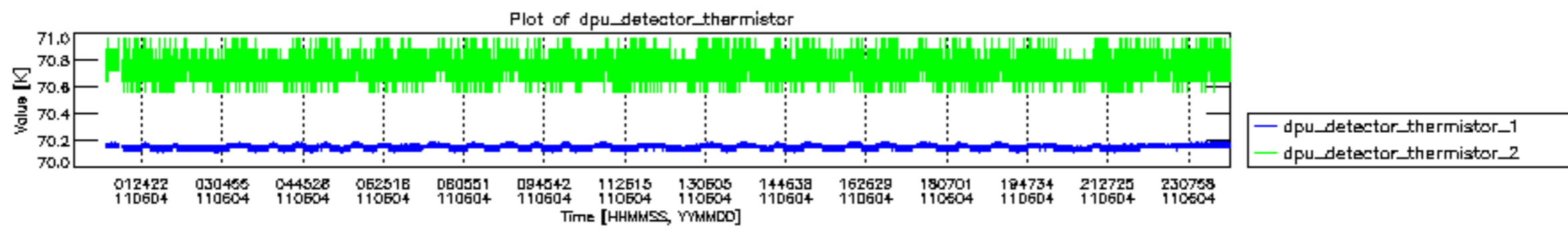


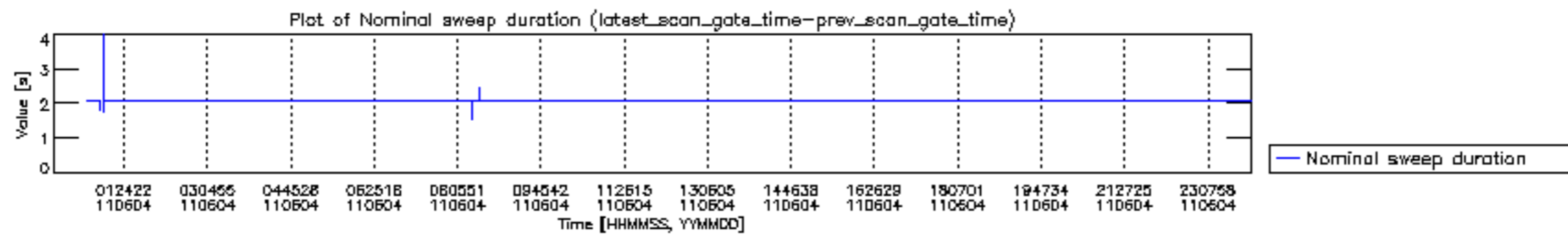
mipas_daily_report_level0_KSPT_L0_4504_N_20110604_13.PNG

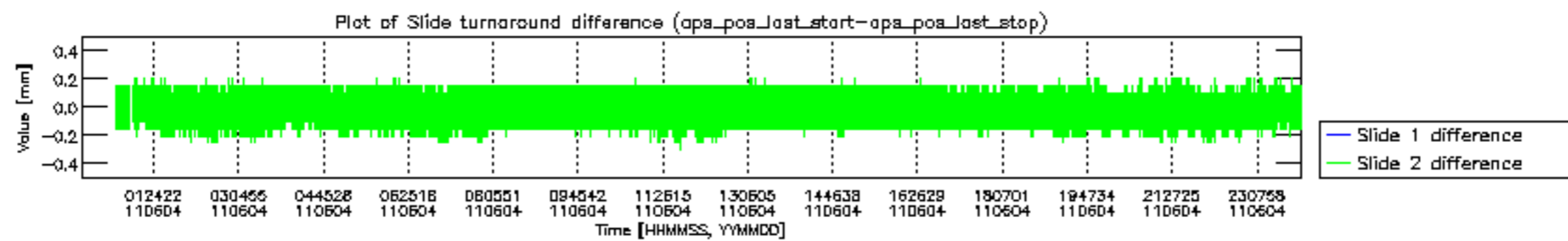


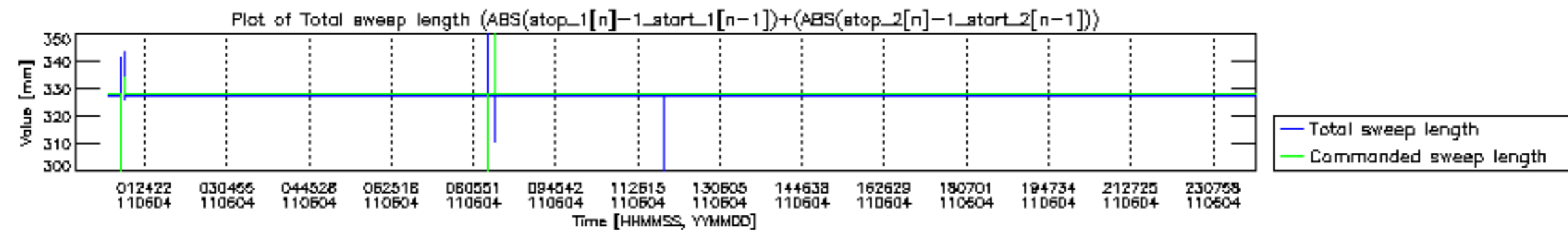


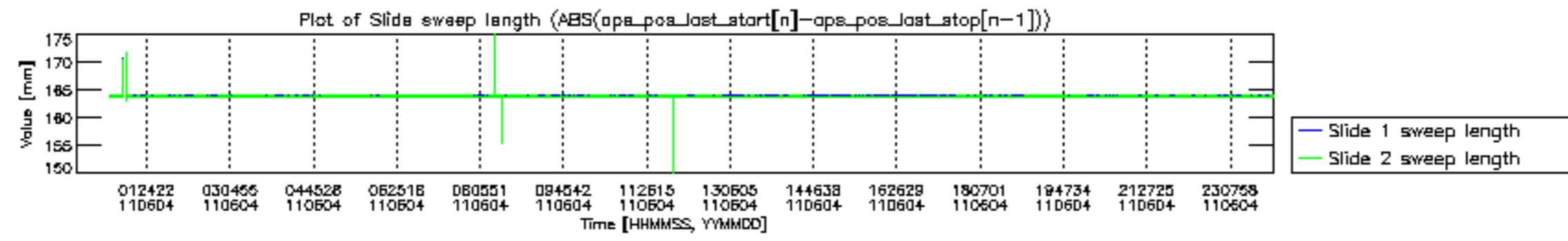


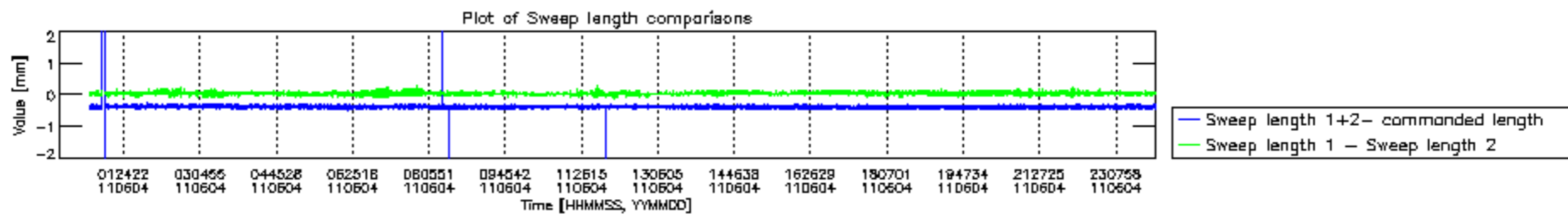


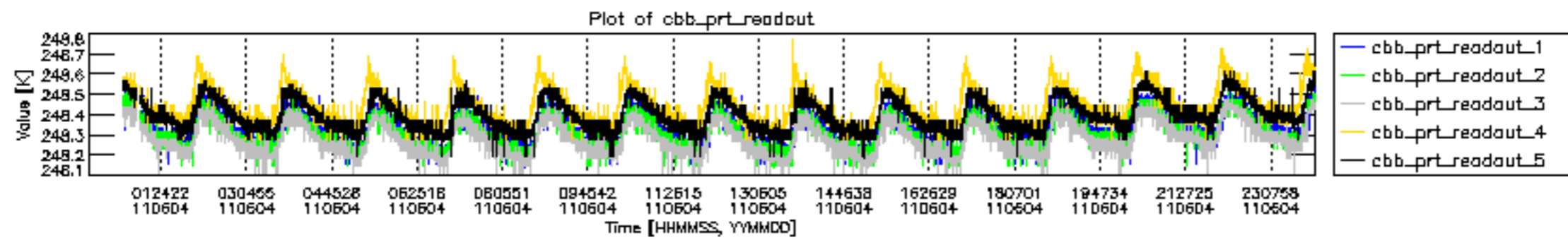


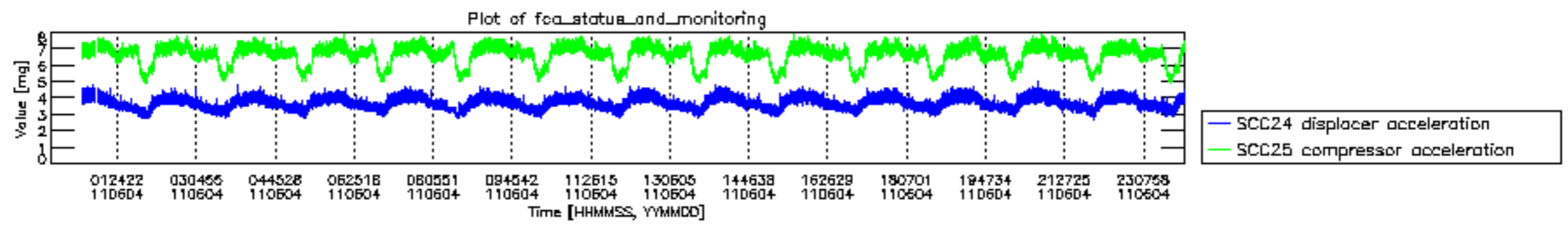












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

