

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	28JUN2011 05:23:46
Data source version	KSPT_L0/4504-N
Processing scope for products	23JUN2011 00:00:00 to 24JUN2011 00:00:00
Start time of first product within scope	23JUN2011 02:21:10
Stop time of last product within scope	24JUN2011 00:09:22
Total number of level 0 products	13
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__0PNPDE20110623_022110_000045153103_00405_48695_9094.N1	23JUN2011 02:21:10	23JUN2011 03:36:24	0	0	0	0	0
1	MIP_NL__0PNPDE20110623_051725_000060893103_00407_48697_9096.N1	23JUN2011 05:17:25	23JUN2011 06:58:54	0	0	0	0	0
2	MIP_NL__0PNPDK20110623_065821_000040343103_00408_48698_5564.N1	23JUN2011 06:58:21	23JUN2011 08:05:35	0	0	0	0	0
3	MIP_NL__0PNPDK20110623_080501_000061383103_00409_48699_5565.N1	23JUN2011 08:05:01	23JUN2011 09:47:19	0	0	0	0	0
4	MIP_NL__0PNPDK20110623_094635_000059733103_00410_48700_5566.N1	23JUN2011 09:46:35	23JUN2011 11:26:08	0	0	0	0	0
5	MIP_NL__0PNPDK20110623_112524_000059693103_00411_48701_5567.N1	23JUN2011 11:25:24	23JUN2011 13:04:52	0	0	0	0	0
6	MIP_NL__0PNPDK20110623_130417_000059413103_00412_48702_5568.N1	23JUN2011 13:04:17	23JUN2011 14:43:18	0	0	0	0	0
7	MIP_NL__0PNPDK20110623_144237_000058893103_00413_48703_5569.N1	23JUN2011 14:42:37	23JUN2011 16:20:46	0	0	0	0	0
8	MIP_NL__0PNPDK20110623_162004_000058083103_00414_48704_5570.N1	23JUN2011 16:20:04	23JUN2011 17:56:51	0	0	0	0	0
9	MIP_NL__0PNPDK20110623_175553_000060753103_00415_48705_5571.N1	23JUN2011 17:55:53	23JUN2011 19:37:08	0	0	0	0	0
10	MIP_NL__0PNPDK20110623_193609_000060983103_00416_48706_5572.N1	23JUN2011 19:36:09	23JUN2011 21:17:47	0	0	0	0	0
11	MIP_NL__0PNPDE20110623_211649_000042603103_00417_48707_9097.N1	23JUN2011 21:16:49	23JUN2011 22:27:48	0	0	0	0	0
12	MIP_NL__0PNPDE20110623_222648_000061543103_00417_48707_9098.N1	23JUN2011 22:26:48	24JUN2011 00:09:22	0	0	0	0	0

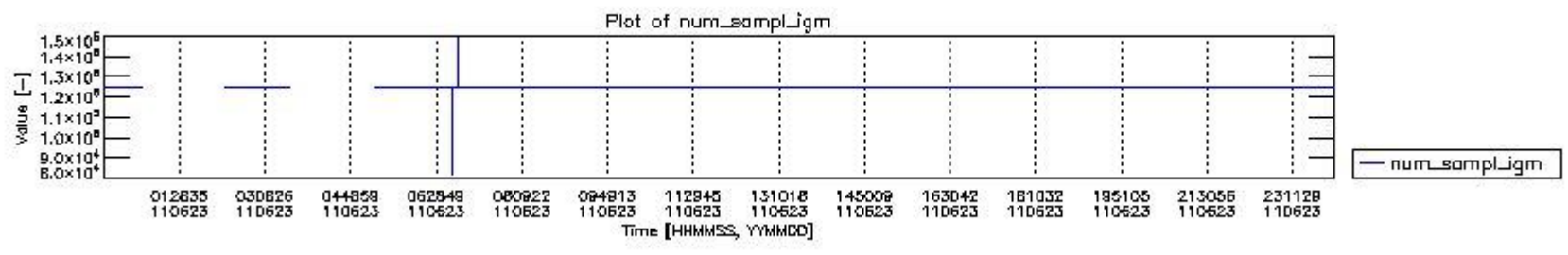
0.2 Instrument Operational Performance Parameters

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.

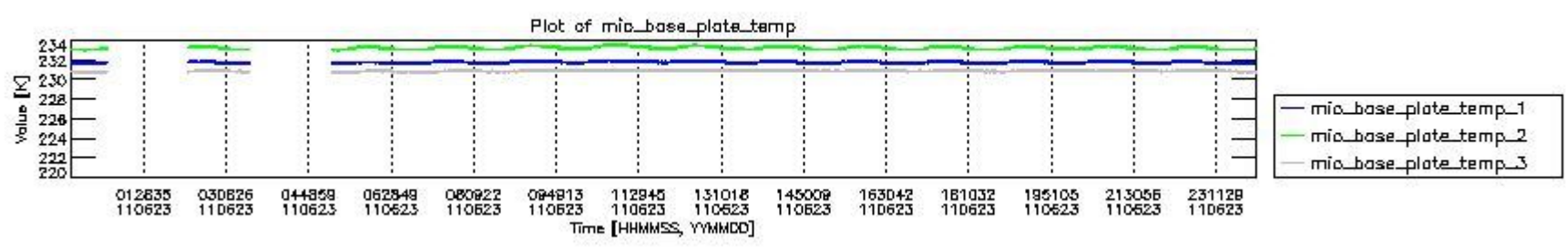
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
81702	1	0.0027846621
93185	1	0.0027846621
113317	1	0.0027846621
124800	33844	94.244103
124803	2061	5.7391885

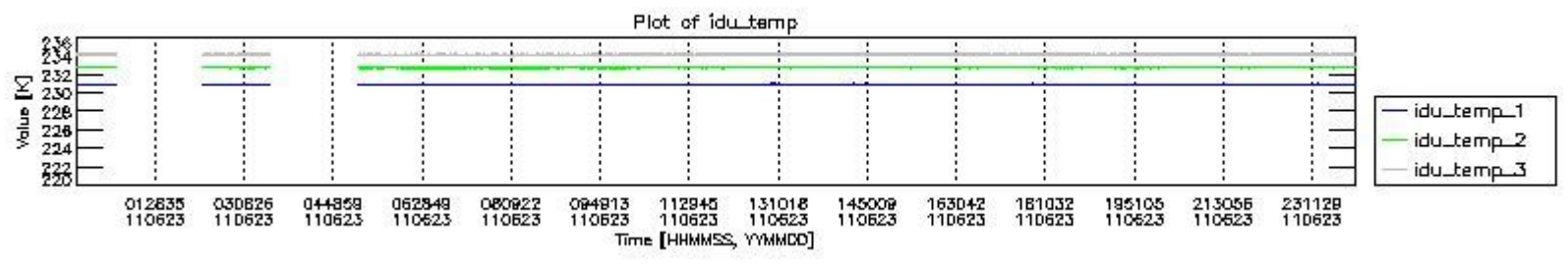
127085	1	0.0027846621
147217	1	0.0027846621
149502	1	0.0027846621



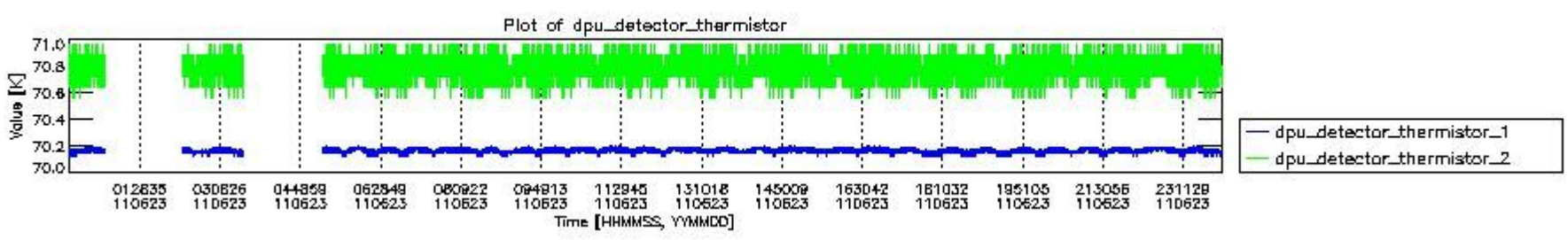
mipas_daily_report_level0_KSPT_L0_4504_N_20110623_0.PNG



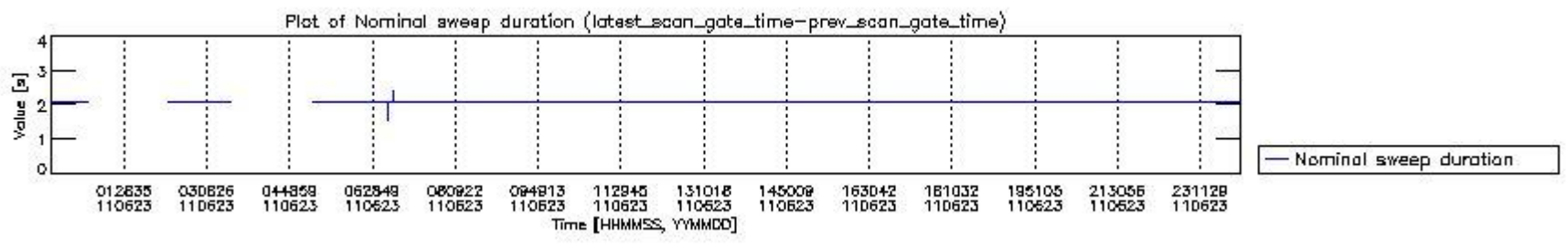
mipas_daily_report_level0_KSPT_L0_4504_N_20110623_1.PNG



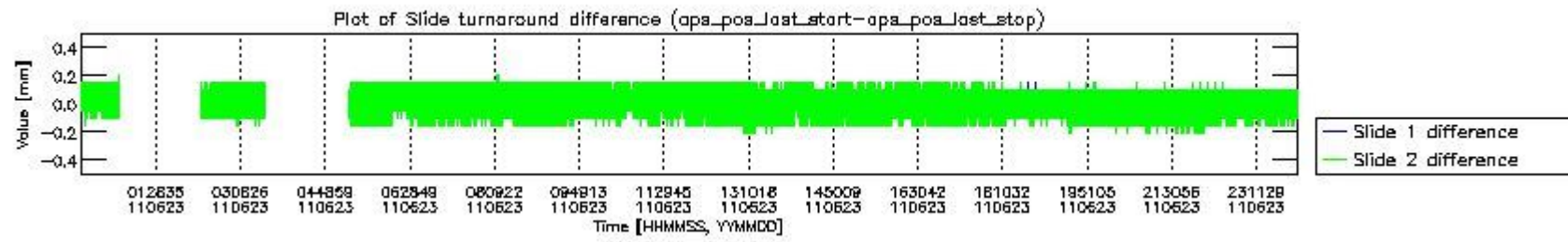
mipas_daily_report_level0_KSPT_L0_4504_N_20110623_2.PNG



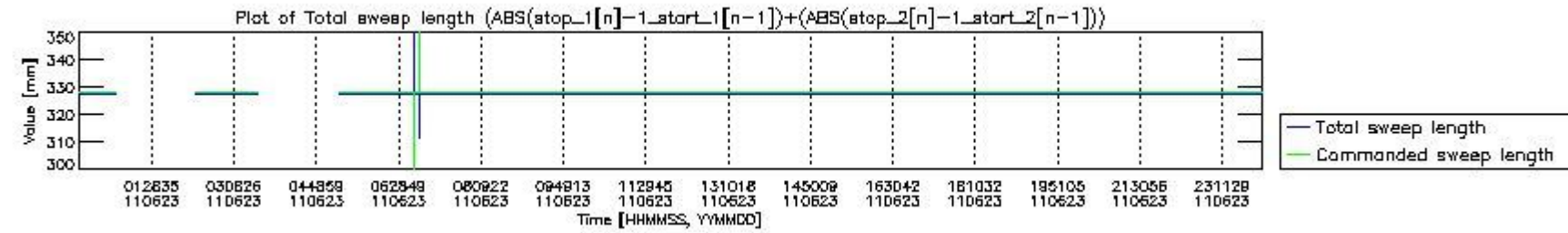
mipas_daily_report_level0_KSPT_L0_4504_N_20110623_3.PNG



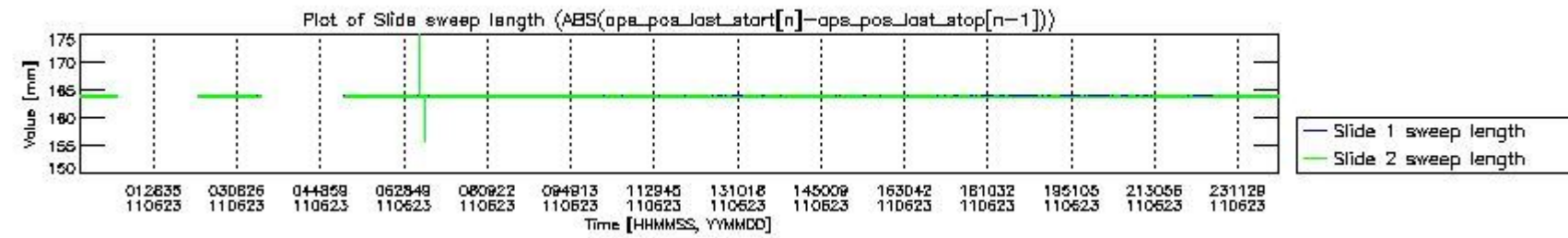
mipas_daily_report_level0_KSPT_L0_4504_N_20110623_4.PNG



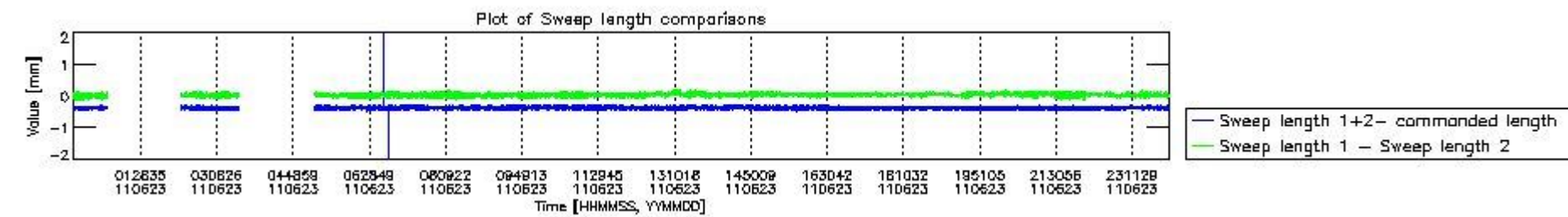
mipas_daily_report_level0_KSPT_L0_4504_N_20110623_5.PNG



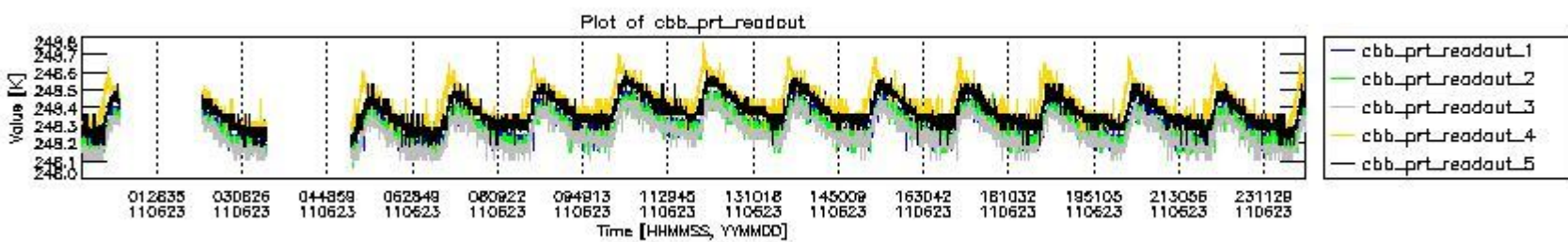
mipas_daily_report_level0_KSPT_L0_4504_N_20110623_6.PNG



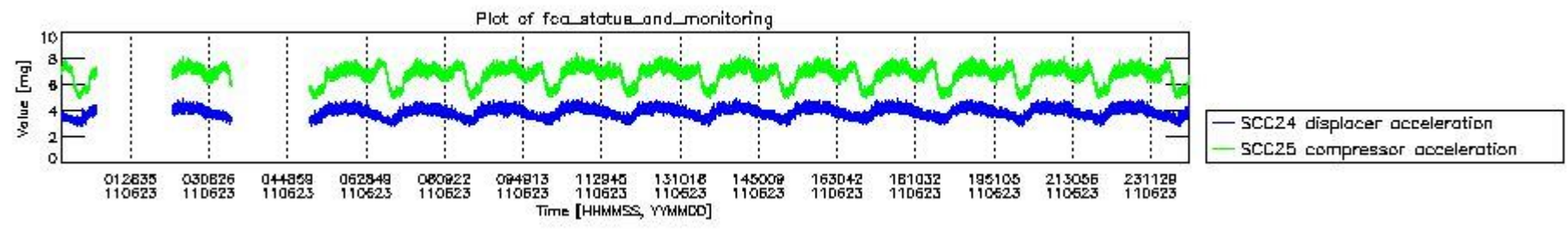
mipas_daily_report_level0_KSPT_L0_4504_N_20110623_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110623_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110623_9.PNG

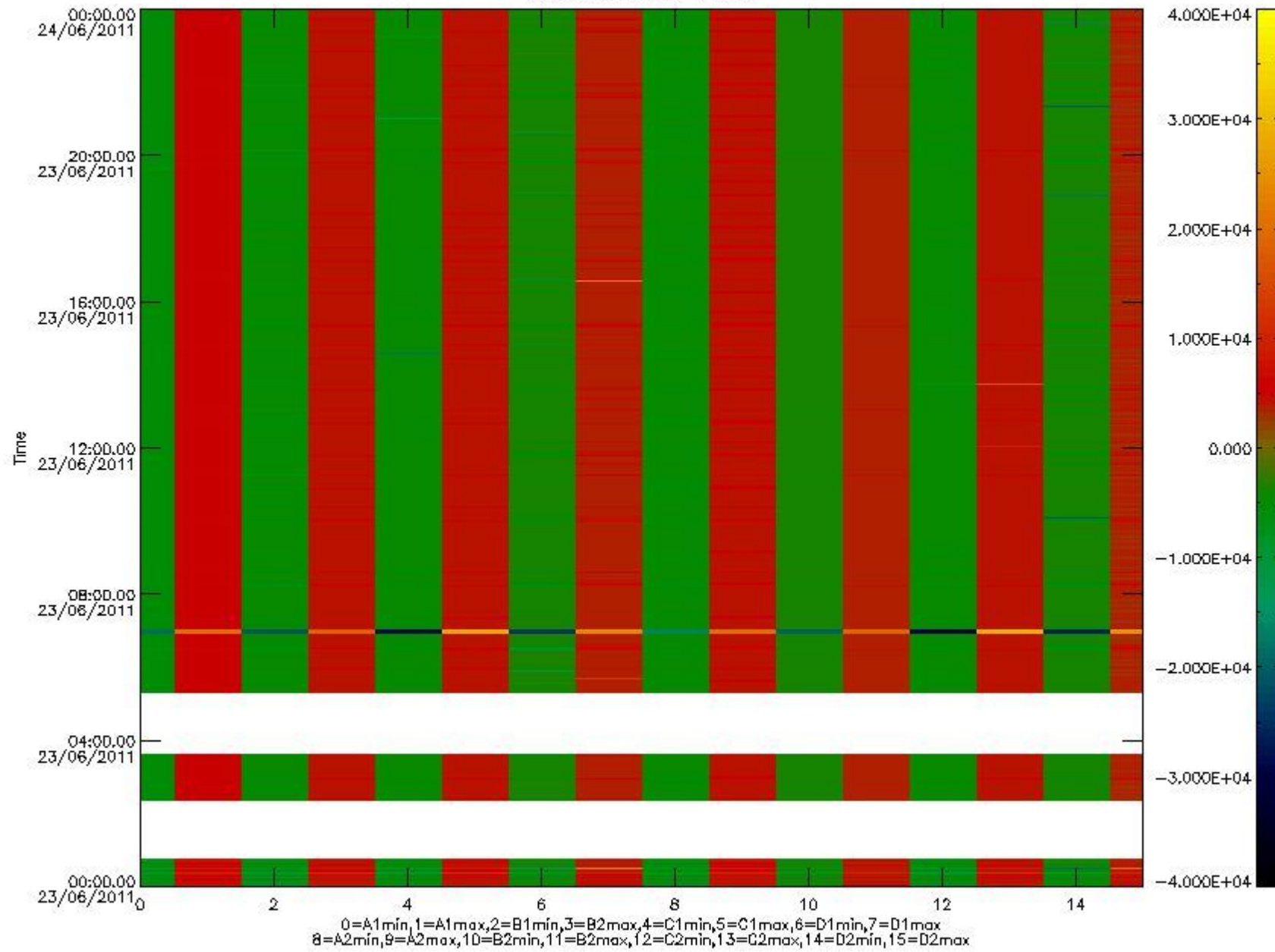


mipas_daily_report_level0_KSPT_L0_4504_N_20110623_10.PNG

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

Channel	Min	Max	ADC
A1	-19159	20376	16bit
B1	-22178	18908	16bit
C1	-28667	28661	16bit
D1	-32768	32767	16bit
A2	-16508	20538	16bit
B2	-20569	20092	16bit
C2	-29755	29463	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_20110623_11.PNG

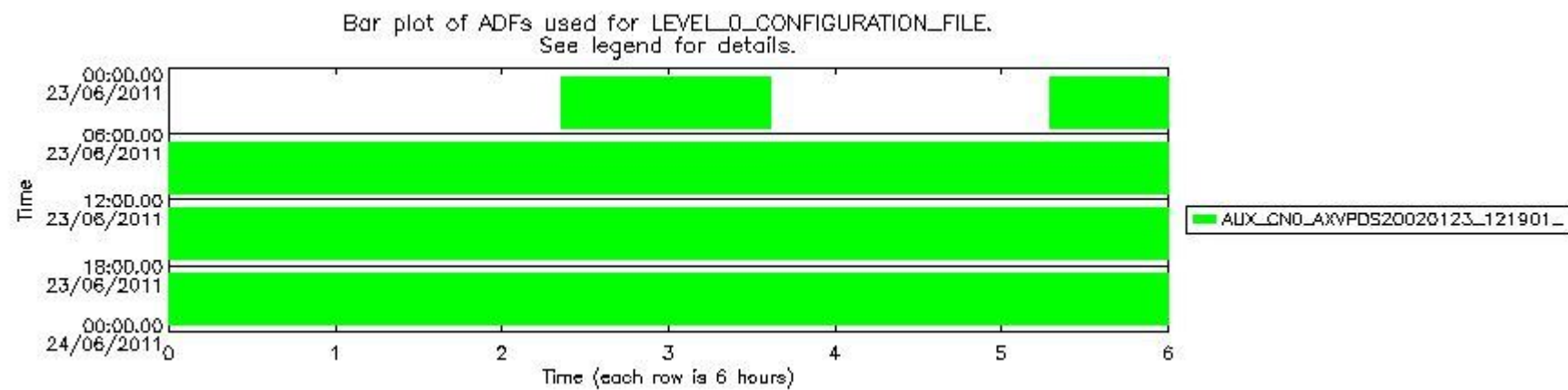
0.3 ADF monitoring

The use of ADFs is shown in two ways:

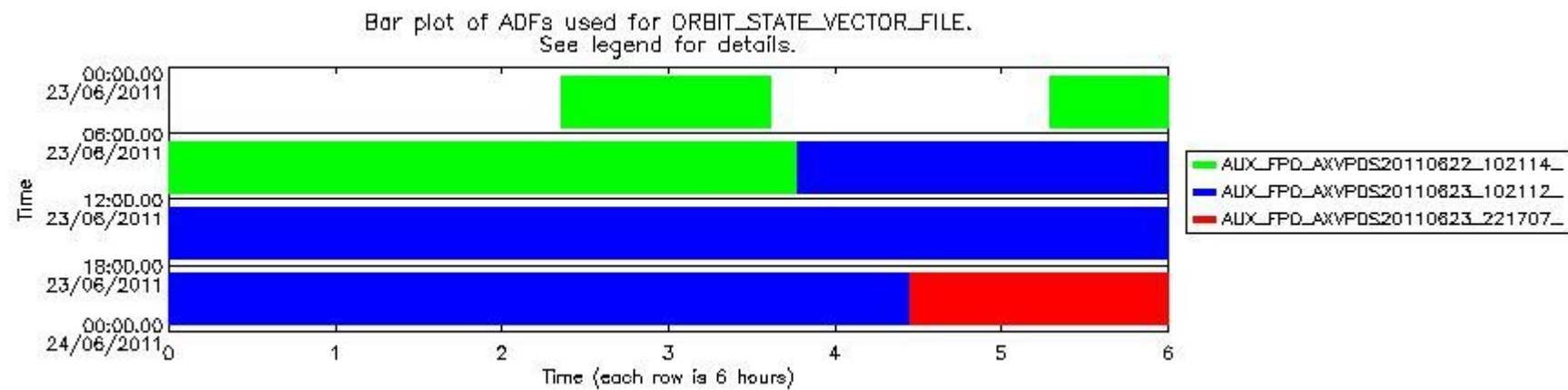
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110622_102114_20110621_185205_20110701_210553
2	AUX_FPO_AXVPDS20110623_102112_20110622_195535_20110702_202909
3	AUX_FPO_AXVPDS20110623_221707_20110623_191851_20110703_213239

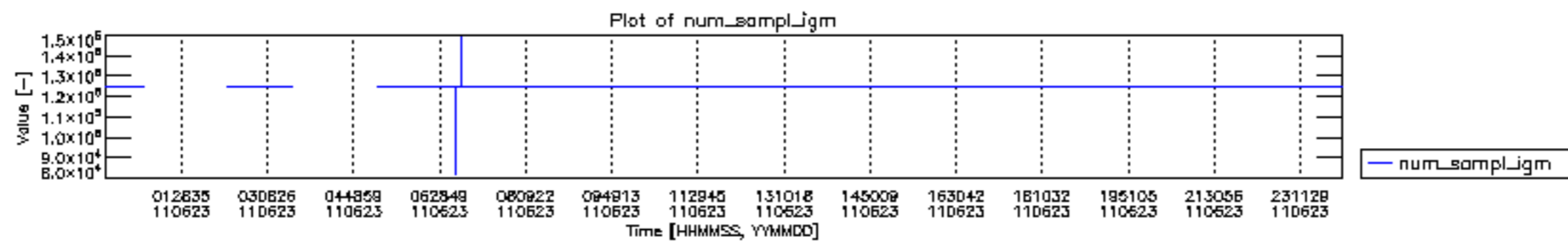
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110623_022110_000045153103_00405_48695_9094.N1	0	1
1	MIP_NL__0PNPDE20110623_051725_000060893103_00407_48697_9096.N1	0	1
2	MIP_NL__0PNPDK20110623_065821_000040343103_00408_48698_5564.N1	0	1
3	MIP_NL__0PNPDK20110623_080501_000061383103_00409_48699_5565.N1	0	1
4	MIP_NL__0PNPDK20110623_094635_000059733103_00410_48700_5566.N1	0	2
5	MIP_NL__0PNPDK20110623_112524_000059693103_00411_48701_5567.N1	0	2
6	MIP_NL__0PNPDK20110623_130417_000059413103_00412_48702_5568.N1	0	2
7	MIP_NL__0PNPDK20110623_144237_000058893103_00413_48703_5569.N1	0	2
8	MIP_NL__0PNPDK20110623_162004_000058083103_00414_48704_5570.N1	0	2
9	MIP_NL__0PNPDK20110623_175553_000060753103_00415_48705_5571.N1	0	2
10	MIP_NL__0PNPDK20110623_193609_000060983103_00416_48706_5572.N1	0	2
11	MIP_NL__0PNPDE20110623_211649_000042603103_00417_48707_9097.N1	0	2
12	MIP_NL__0PNPDE20110623_222648_000061543103_00417_48707_9098.N1	0	3

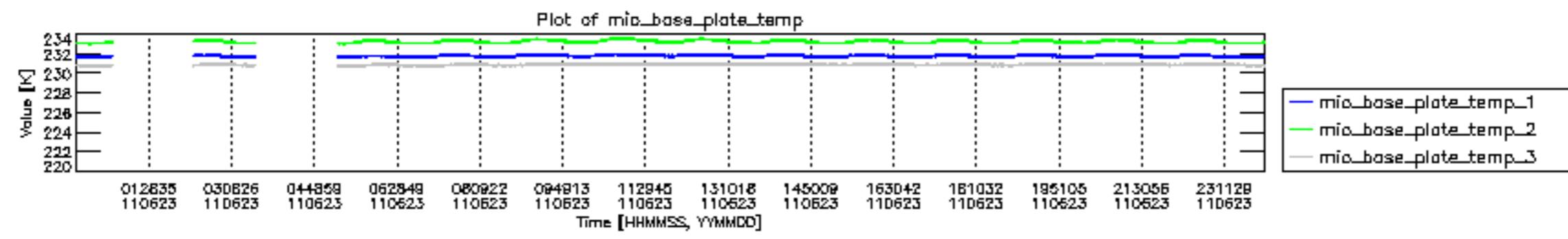


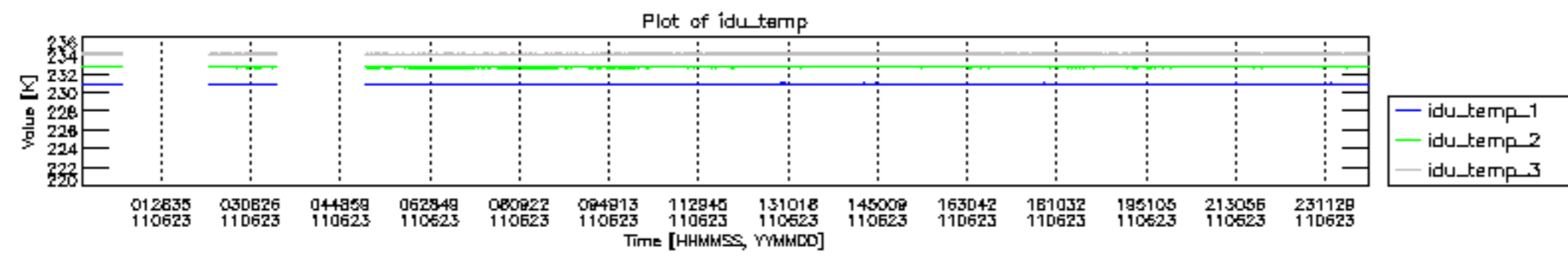
mipas_daily_report_level0_KSPT_L0_4504_N_20110623_12.PNG

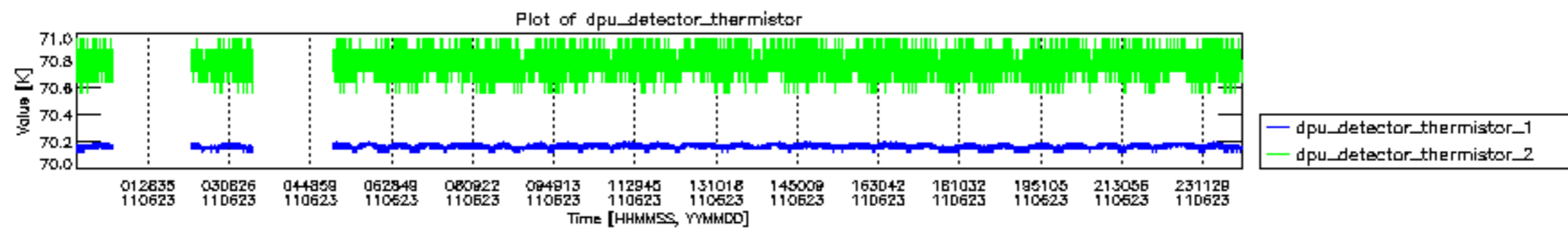


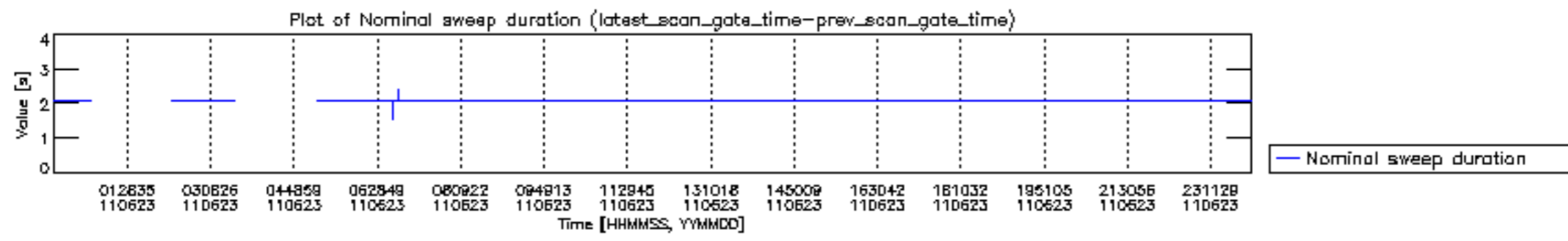
mipas_daily_report_level0_KSPT_L0_4504_N_20110623_13.PNG

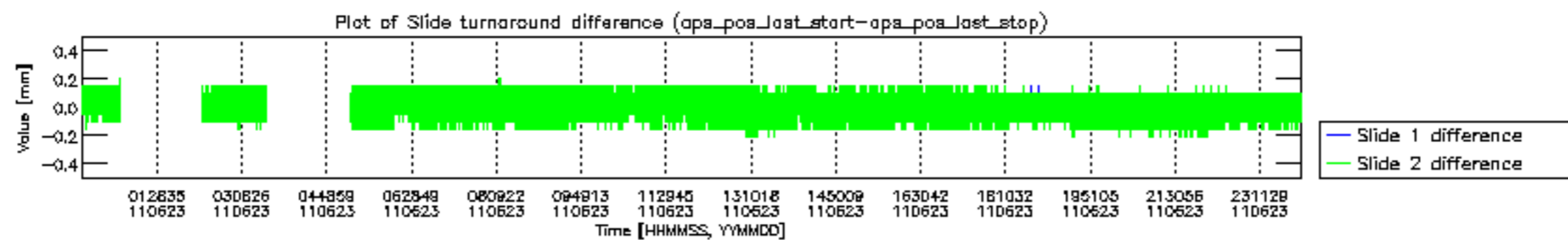


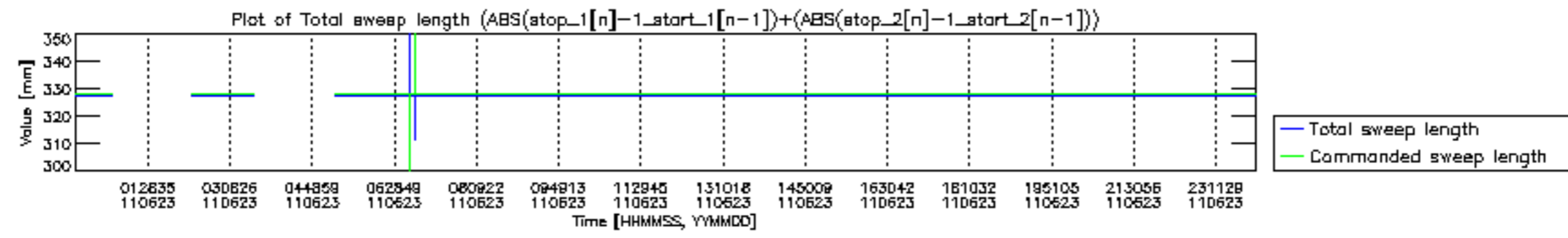


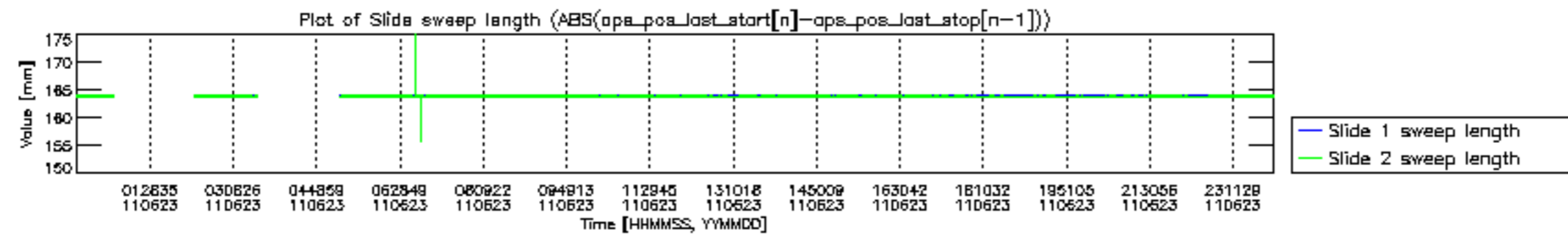


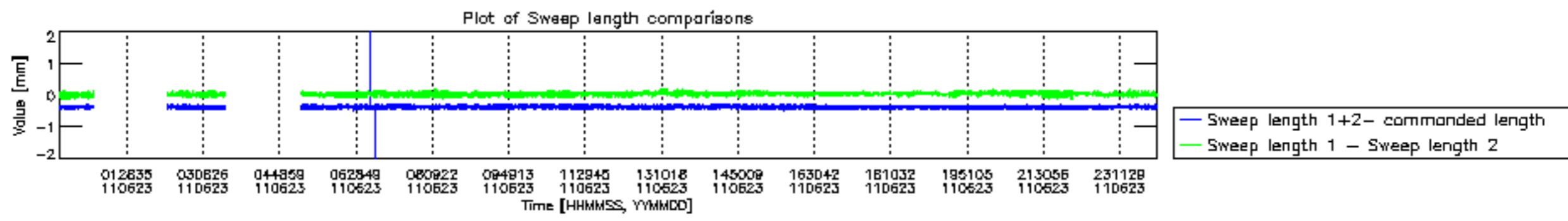


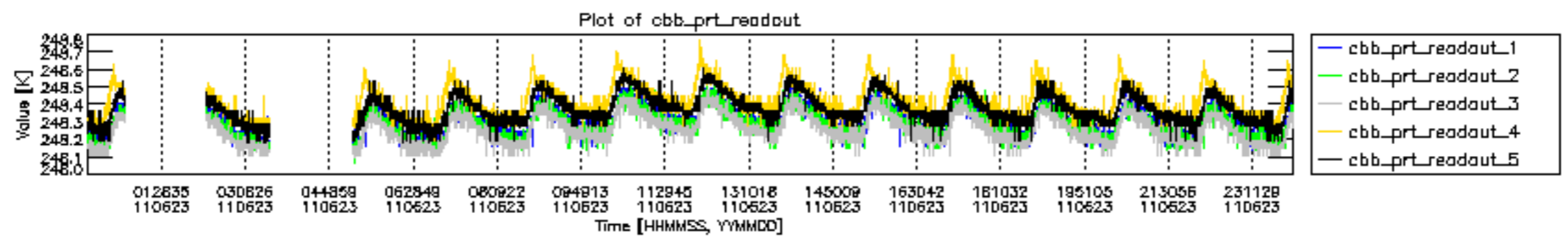


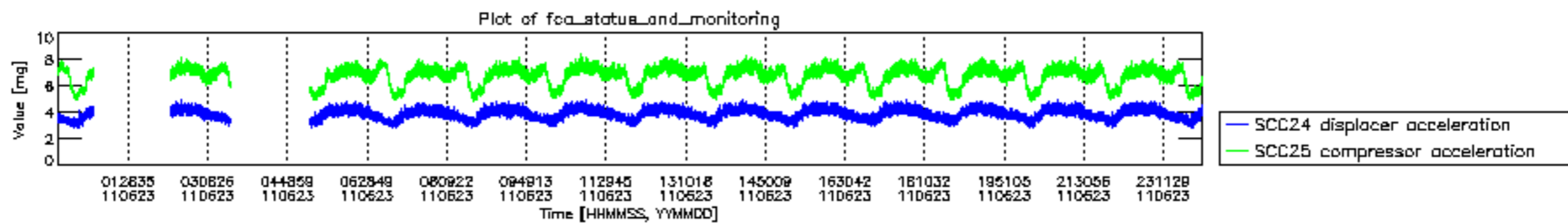












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

