

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	08MAY2011 05:24:36
Data source version	KSPT_L0/4504-N
Processing scope for products	03MAY2011 00:00:00 to 04MAY2011 00:00:00
Start time of first product within scope	03MAY2011 00:13:27
Stop time of last product within scope	04MAY2011 01:17:47
Total number of level 0 products	17
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__0PNPDE20110503_001327_000059083102_00102_47961_3561.N1	03MAY2011 00:13:27	03MAY2011 01:51:55	0	0	0	0	0
1	MIP_NL__0PNPDE20110503_015057_000045103102_00103_47962_3562.N1	03MAY2011 01:50:57	03MAY2011 03:06:07	0	0	0	0	0
2	MIP_NL__0PNPDE20110503_030534_000061233102_00104_47963_3563.N1	03MAY2011 03:05:34	03MAY2011 04:47:37	0	0	0	0	0
3	MIP_NL__0PNPDE20110503_044703_000060573102_00105_47964_3564.N1	03MAY2011 04:47:03	03MAY2011 06:28:00	0	0	0	0	0
4	MIP_NL__0PNPDK20110503_062726_000040973102_00106_47965_5022.N1	03MAY2011 06:27:26	03MAY2011 07:35:43	0	0	0	0	0
5	MIP_NL__0PNPDK20110503_073510_000060603102_00107_47966_5023.N1	03MAY2011 07:35:10	03MAY2011 09:16:10	0	0	0	0	0
6	MIP_NL__0PNPDK20110503_091528_000059773102_00108_47967_5024.N1	03MAY2011 09:15:28	03MAY2011 10:55:05	0	0	0	0	0
7	MIP_NL__0PNPDK20110503_105421_000059853102_00109_47968_5025.N1	03MAY2011 10:54:21	03MAY2011 12:34:06	0	0	0	0	0
8	MIP_NL__0PNPDK20110503_123329_000060043102_00110_47969_5026.N1	03MAY2011 12:33:29	03MAY2011 14:13:33	0	0	0	0	0
9	MIP_NL__0PNPDK20110503_141259_000015503102_00111_47970_5027.N1	03MAY2011 14:12:59	03MAY2011 14:38:49	0	0	0	0	0
10	MIP_NL__0PNPDK20110503_143849_000043033102_00111_47970_5028.N1	03MAY2011 14:38:49	03MAY2011 15:50:33	0	0	0	0	0
11	MIP_NL__0PNPDK20110503_154959_000058263102_00112_47971_5029.N1	03MAY2011 15:49:59	03MAY2011 17:27:06	0	0	0	0	0
12	MIP_NL__0PNPDK20110503_172609_000058763102_00113_47972_5030.N1	03MAY2011 17:26:09	03MAY2011 19:04:06	0	0	0	0	0
13	MIP_NL__0PNPDK20110503_190301_000060923102_00114_47973_5031.N1	03MAY2011 19:03:01	03MAY2011 20:44:33	0	0	0	0	0
14	MIP_NL__0PNPDE20110503_204303_000044563102_00115_47974_3565.N1	03MAY2011 20:43:03	03MAY2011 21:57:19	0	0	0	0	0
15	MIP_NL__0PNPDE20110503_215620_000060333102_00115_47974_3566.N1	03MAY2011 21:56:20	03MAY2011 23:36:53	0	0	0	0	0
16	MIP_NL__0PNPDE20110503_233551_000061173102_00116_47975_3567.N1	03MAY2011 23:35:51	04MAY2011 01:17:47	0	0	0	0	0

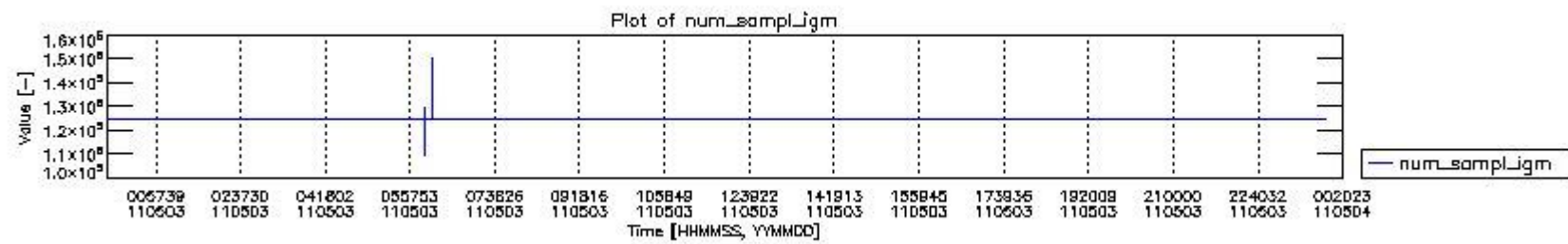
0.2 Instrument Operational Performance Parameters

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.

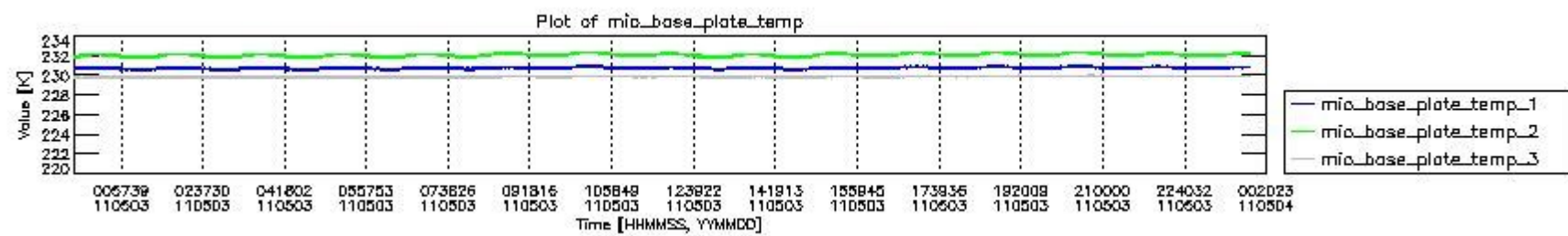
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
109837	1	0.0024067389

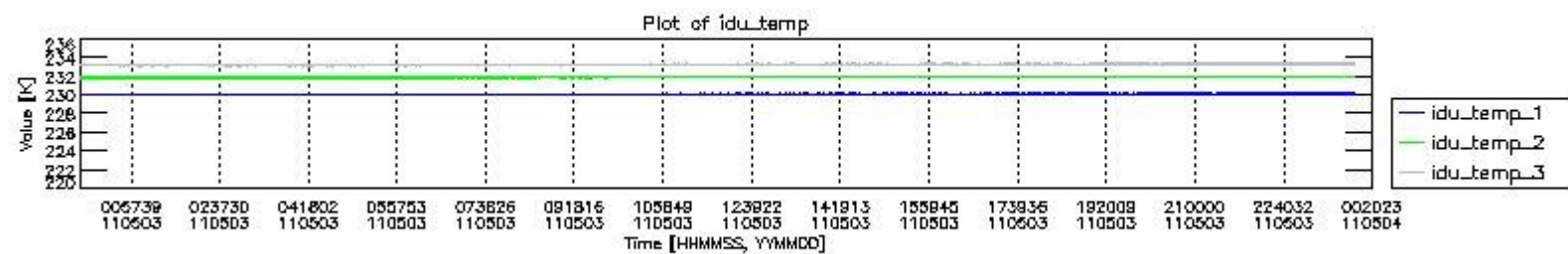
115006	1	0.0024067389
124800	38596	92.890493
124803	2948	7.0950662
127531	1	0.0024067389
129969	1	0.0024067389
147663	1	0.0024067389
150394	1	0.0024067389



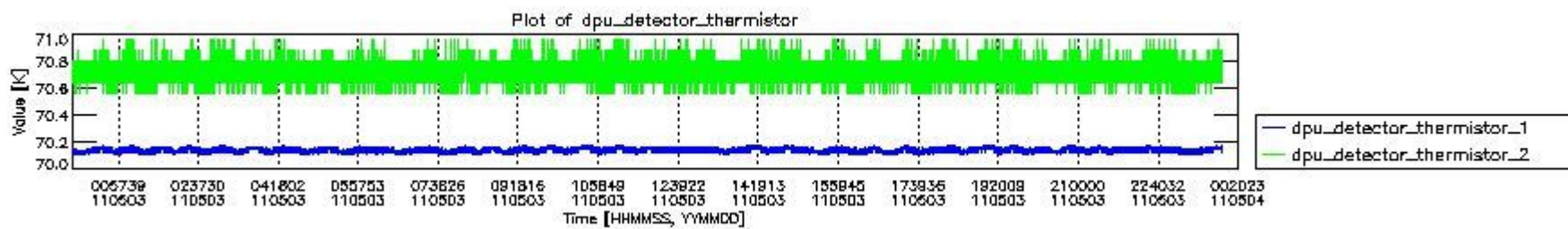
mipas_daily_report_level0_KSPT_L0_4504_N_20110503_0.PNG



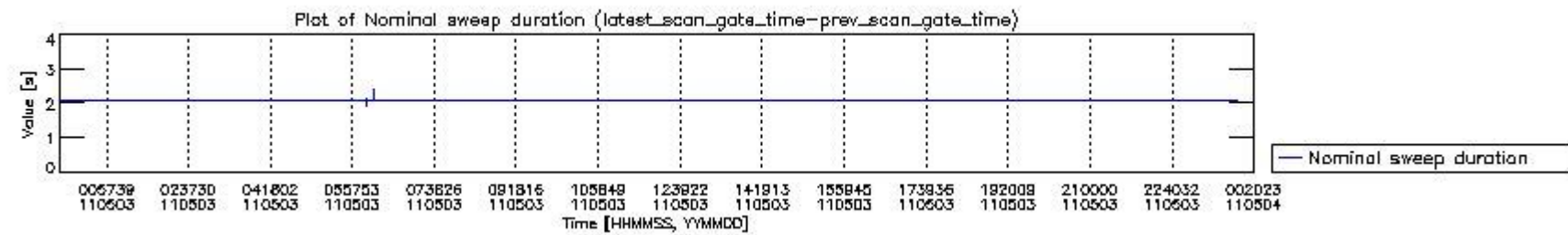
mipas_daily_report_level0_KSPT_L0_4504_N_20110503_1.PNG



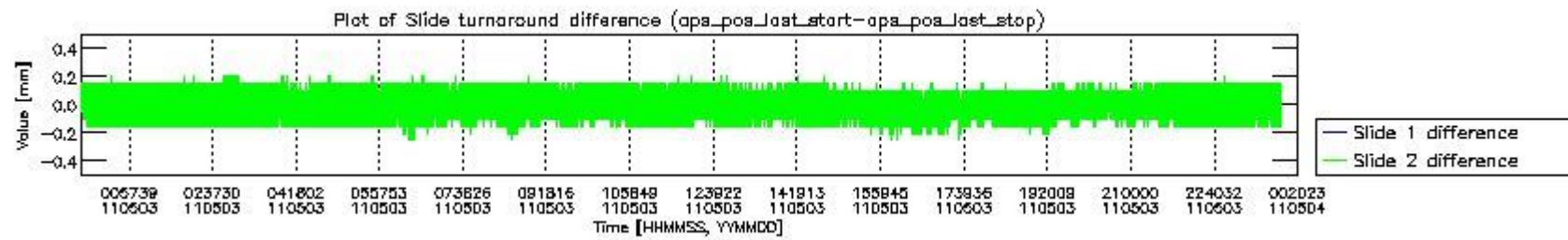
mipas_daily_report_level0_KSPT_L0_4504_N_20110503_2.PNG



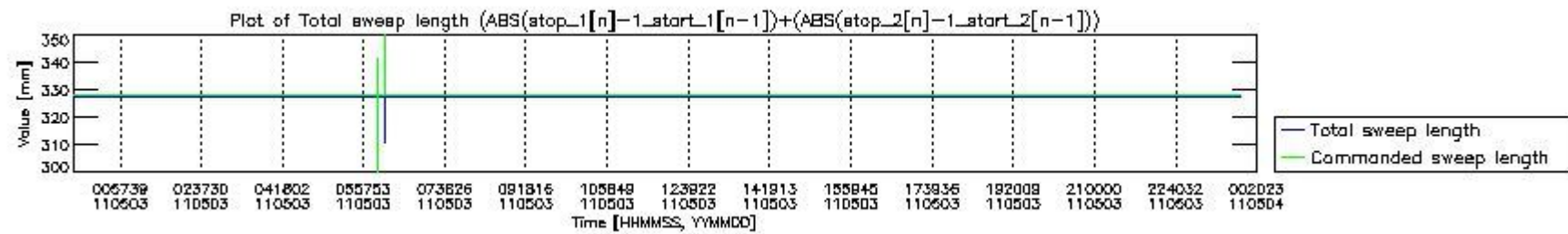
mipas_daily_report_level0_KSPT_L0_4504_N_20110503_3.PNG



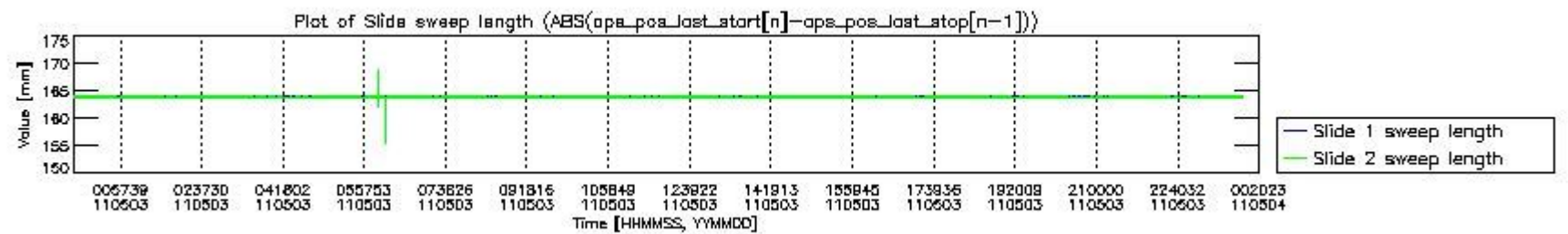
mipas_daily_report_level0_KSPT_L0_4504_N_20110503_4.PNG



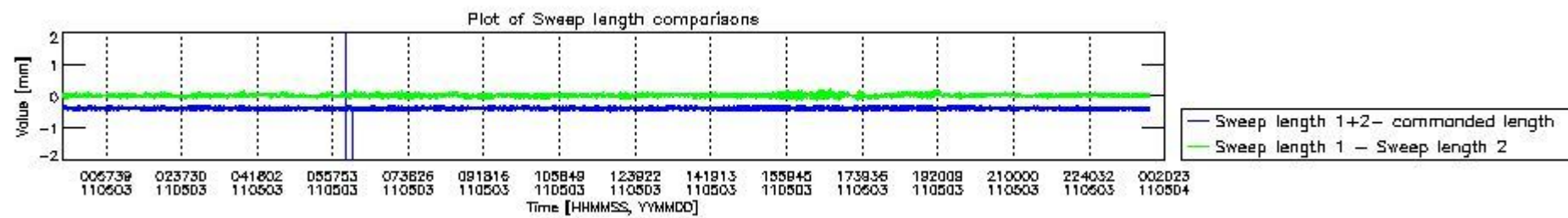
mipas_daily_report_level0_KSPT_L0_4504_N_20110503_5.PNG



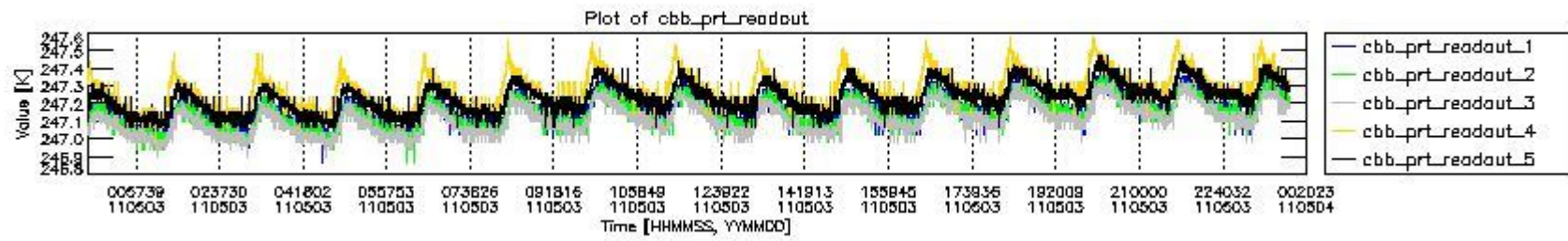
mipas_daily_report_level0_KSPT_L0_4504_N_20110503_6.PNG



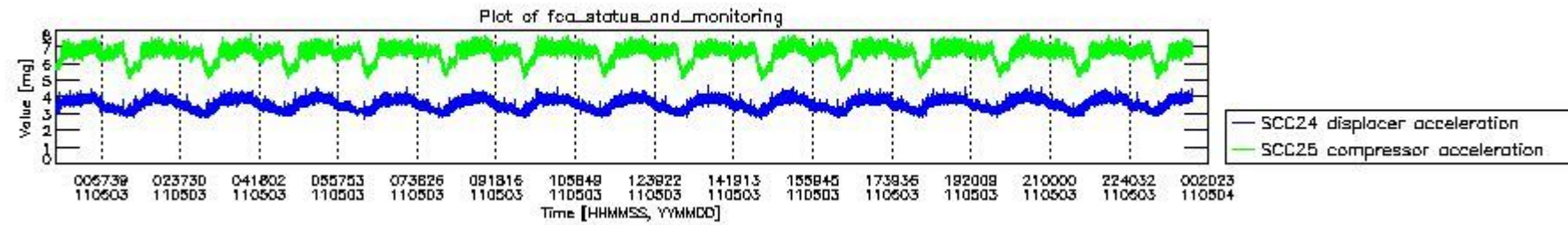
mipas_daily_report_level0_KSPT_L0_4504_N_20110503_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110503_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110503_9.PNG

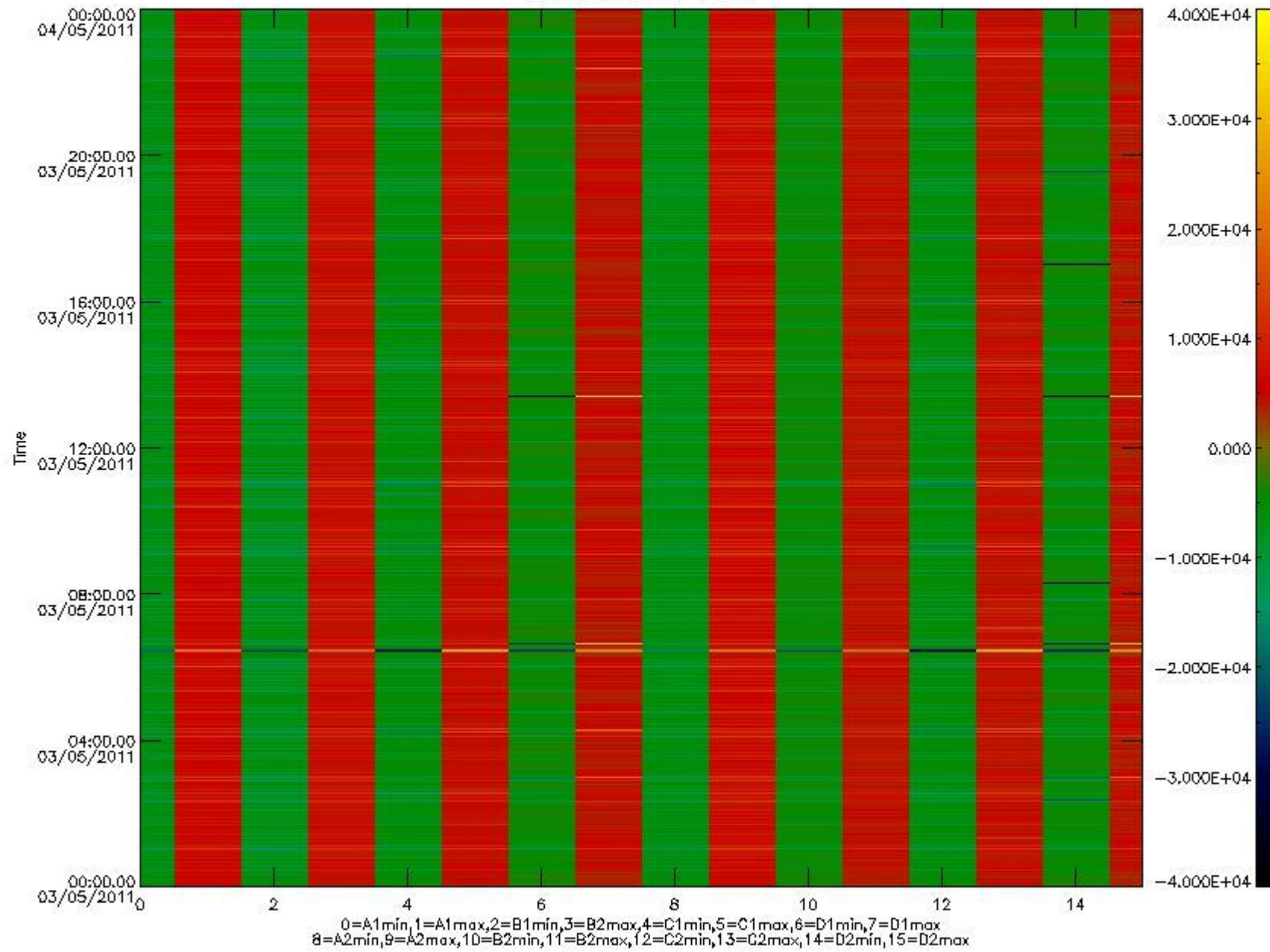


mipas_daily_report_level0_KSPT_L0_4504_N_20110503_10.PNG

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

Channel	Min	Max	ADC
A1	-19139	20584	16bit
B1	-22192	18734	16bit
C1	-27176	27101	16bit
D1	-32768	32767	16bit
A2	-16479	20738	16bit
B2	-20544	19765	16bit
C2	-28230	27932	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_20110503_11.PNG

0.3 ADF monitoring

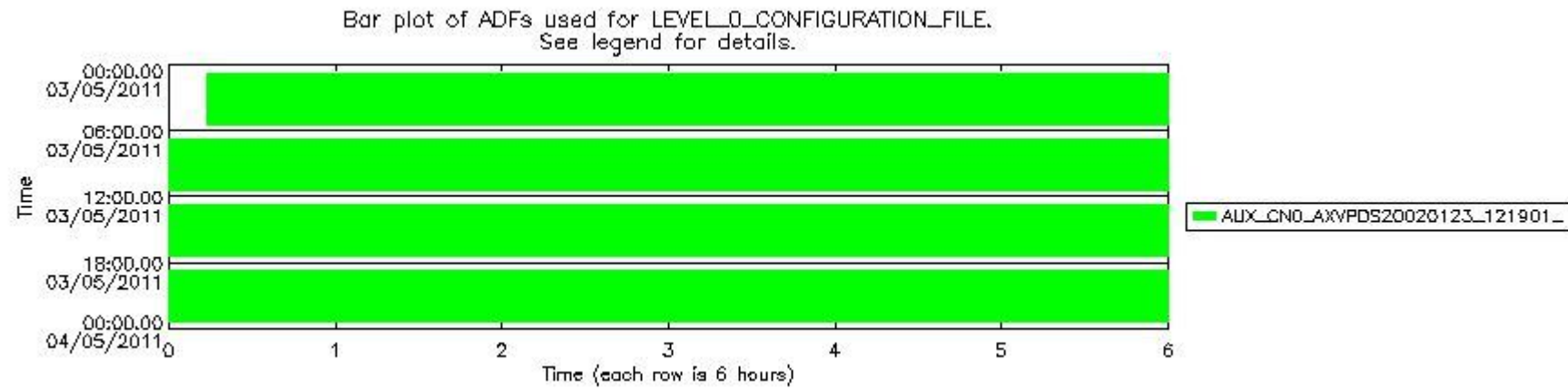
The use of ADFs is shown in two ways:

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.

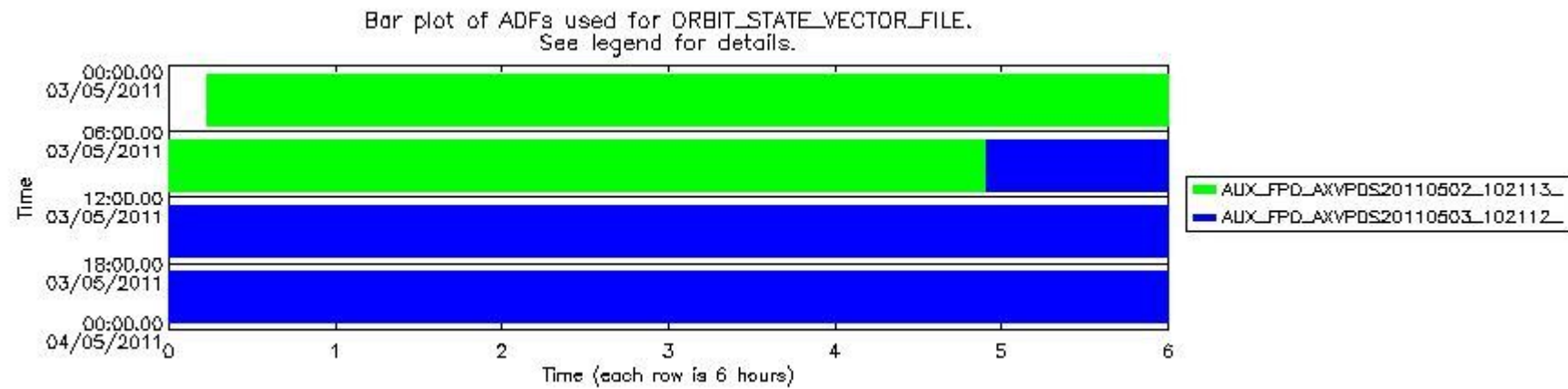
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110502_102113_20110430_185757_20110510_211146
2	AUX_FPO_AXVPDS20110503_102112_20110502_192443_20110512_213831

Number	Product name	#CN0	#FPO
--------	--------------	------	------

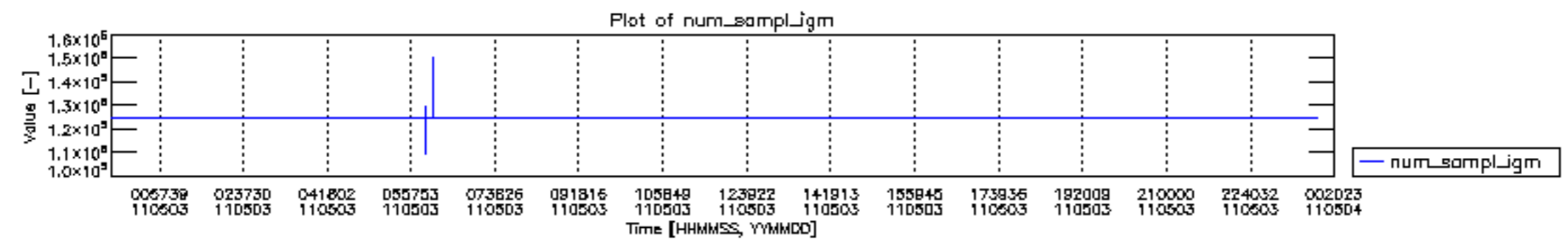
0	MIP_NL__0PNPDE20110503_001327_000059083102_00102_47961_3561.N1	0	1
1	MIP_NL__0PNPDE20110503_015057_000045103102_00103_47962_3562.N1	0	1
2	MIP_NL__0PNPDE20110503_030534_000061233102_00104_47963_3563.N1	0	1
3	MIP_NL__0PNPDE20110503_044703_000060573102_00105_47964_3564.N1	0	1
4	MIP_NL__0PNPDK20110503_062726_000040973102_00106_47965_5022.N1	0	1
5	MIP_NL__0PNPDK20110503_073510_000060603102_00107_47966_5023.N1	0	1
6	MIP_NL__0PNPDK20110503_091528_000059773102_00108_47967_5024.N1	0	1
7	MIP_NL__0PNPDK20110503_105421_000059853102_00109_47968_5025.N1	0	2
8	MIP_NL__0PNPDK20110503_123329_000060043102_00110_47969_5026.N1	0	2
9	MIP_NL__0PNPDK20110503_141259_000015503102_00111_47970_5027.N1	0	2
10	MIP_NL__0PNPDK20110503_143849_000043033102_00111_47970_5028.N1	0	2
11	MIP_NL__0PNPDK20110503_154959_000058263102_00112_47971_5029.N1	0	2
12	MIP_NL__0PNPDK20110503_172609_000058763102_00113_47972_5030.N1	0	2
13	MIP_NL__0PNPDK20110503_190301_000060923102_00114_47973_5031.N1	0	2
14	MIP_NL__0PNPDE20110503_204303_000044563102_00115_47974_3565.N1	0	2
15	MIP_NL__0PNPDE20110503_215620_000060333102_00115_47974_3566.N1	0	2
16	MIP_NL__0PNPDE20110503_233551_000061173102_00116_47975_3567.N1	0	2

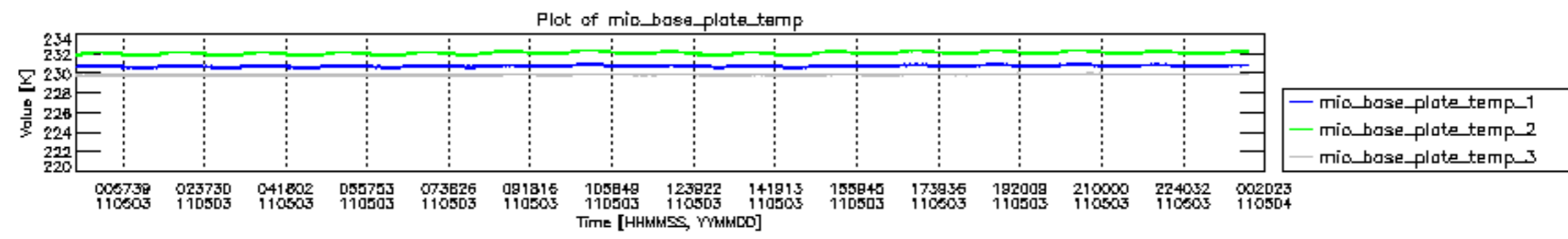


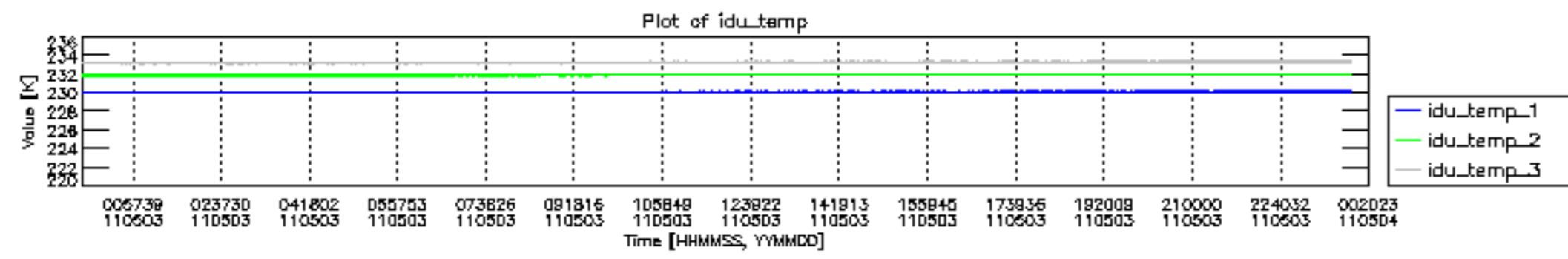
mipas_daily_report_level0_KSPT_L0_4504_N_20110503_12.PNG

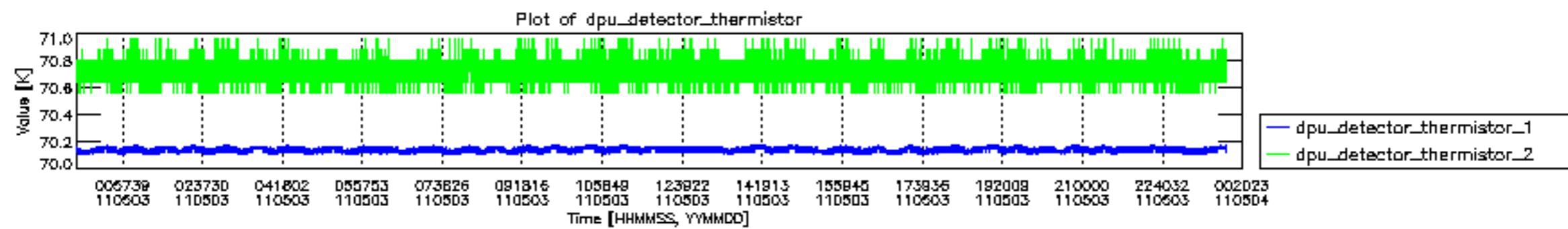


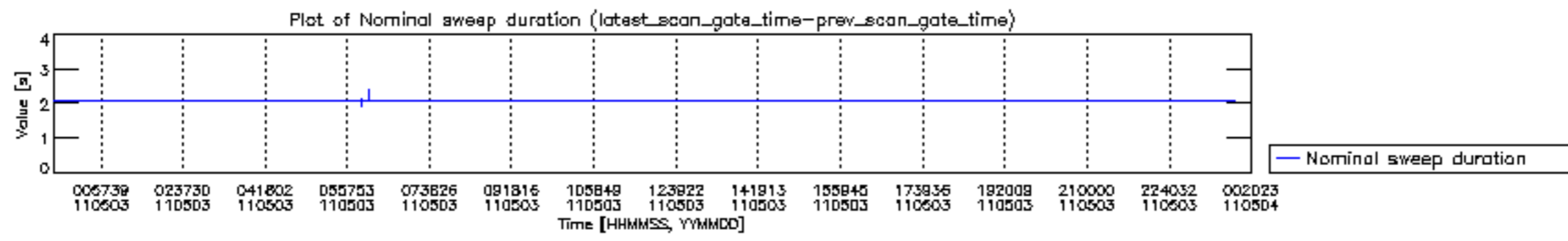
mipas_daily_report_level0_KSPT_L0_4504_N_20110503_13.PNG

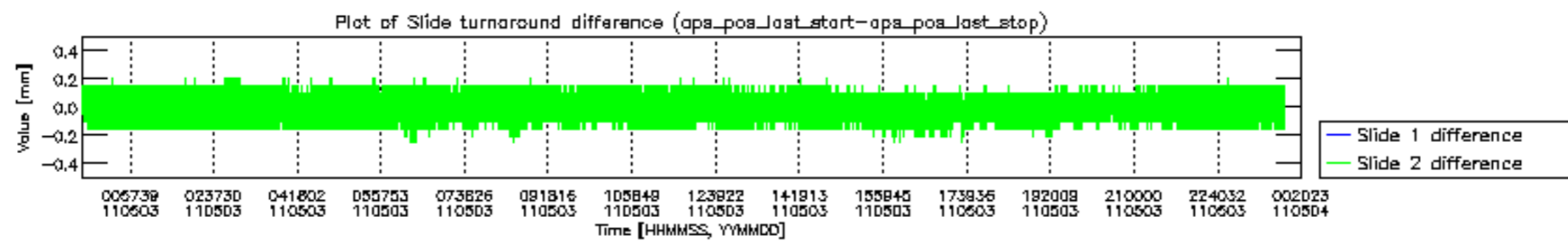


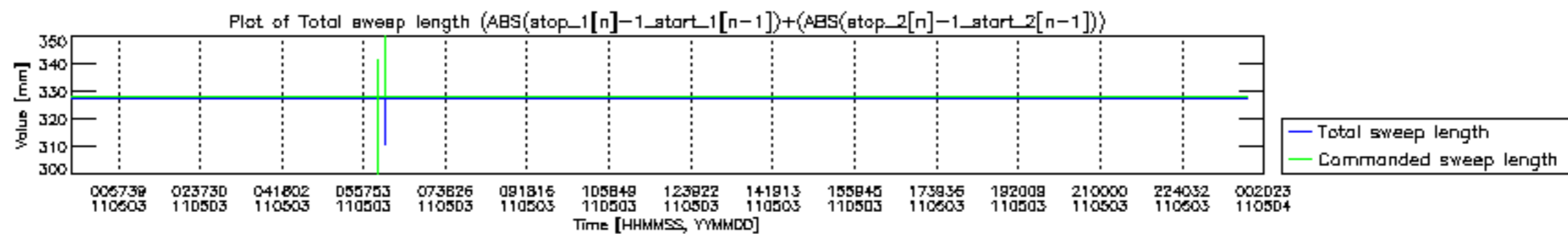


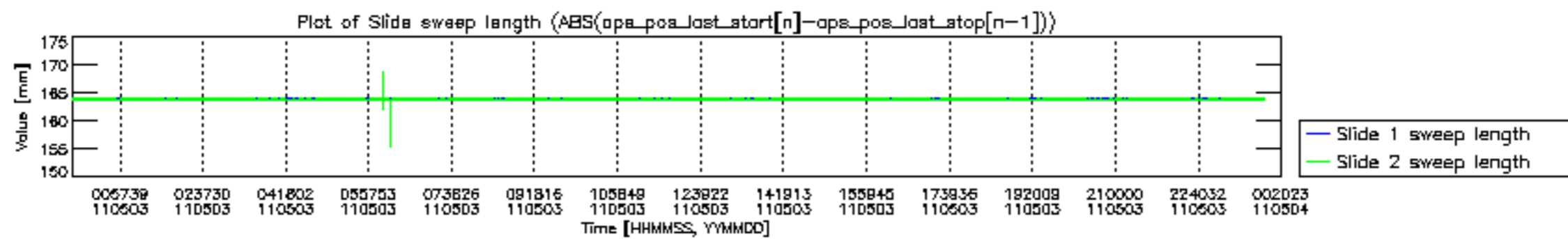


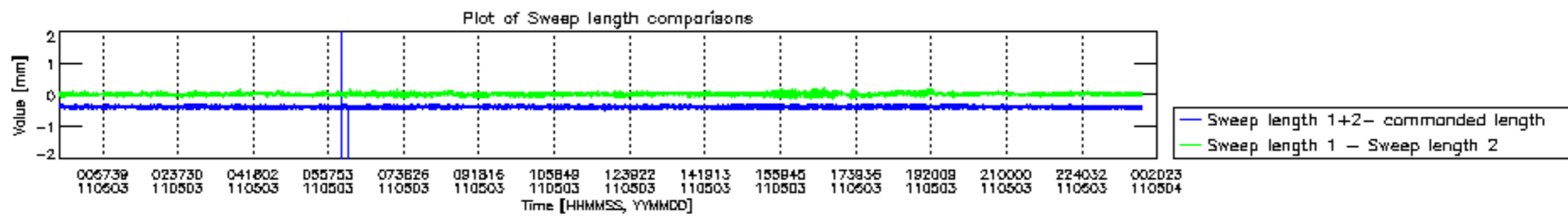


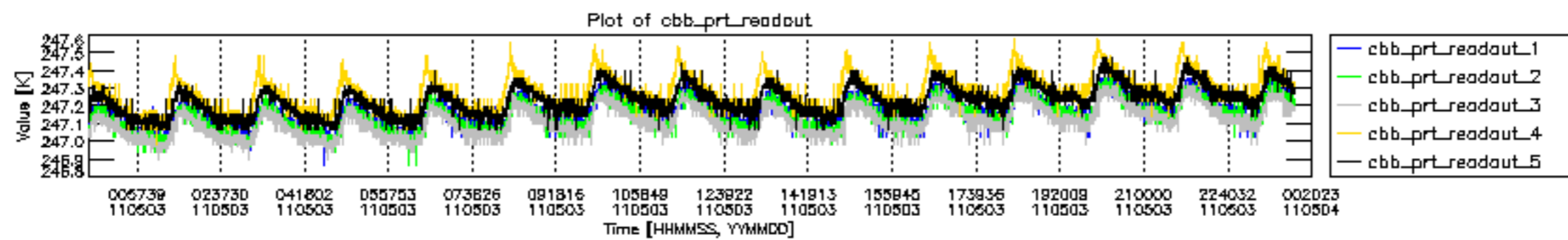


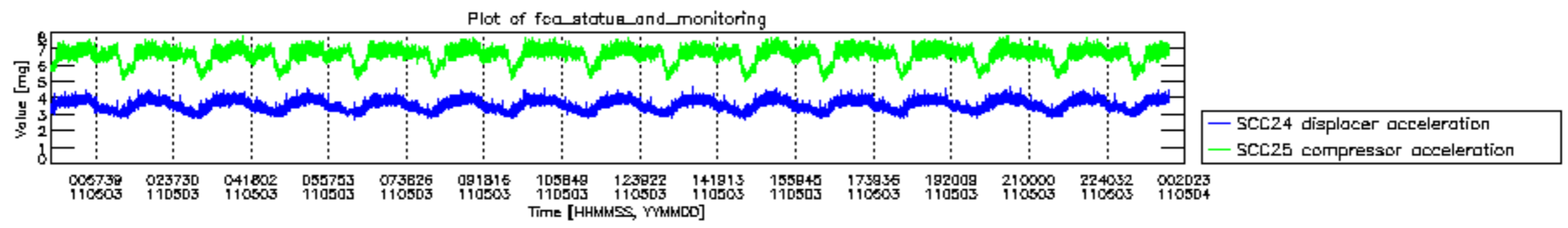












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

