

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	05OCT2011 05:25:07
Data source version	KSPT_L0/4504-N
Processing scope for products	30SEP2011 00:00:00 to 01OCT2011 00:00:00
Start time of first product within scope	30SEP2011 00:16:21
Stop time of last product within scope	01OCT2011 01:18:51
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__0PNPDE20110930_001621_000059143107_00102_50116_9740.N1	30SEP2011 00:16:21	30SEP2011 01:54:55	0	0	0	0	0
1	MIP_NL__0PNPDE20110930_015354_000044103107_00103_50117_9741.N1	30SEP2011 01:53:54	30SEP2011 03:07:24	0	0	0	0	0
2	MIP_NL__0PNPDE20110930_030649_000061353107_00104_50118_9742.N1	30SEP2011 03:06:49	30SEP2011 04:49:04	0	0	0	0	0
3	MIP_NL__0PNPDE20110930_044831_000060853107_00105_50119_9743.N1	30SEP2011 04:48:31	30SEP2011 06:29:56	0	0	0	0	0
4	MIP_NL__0PNPDK20110930_062923_000041073107_00106_50120_7168.N1	30SEP2011 06:29:23	30SEP2011 07:37:50	0	0	0	0	0
5	MIP_NL__0PNPDK20110930_073716_000060793107_00107_50121_7169.N1	30SEP2011 07:37:16	30SEP2011 09:18:35	0	0	0	0	0
6	MIP_NL__0PNPDK20110930_091751_000059923107_00108_50122_7170.N1	30SEP2011 09:17:51	30SEP2011 10:57:44	0	0	0	0	0
7	MIP_NL__0PNPDK20110930_105702_000059773107_00109_50123_7171.N1	30SEP2011 10:57:02	30SEP2011 12:36:39	0	0	0	0	0
8	MIP_NL__0PNPDK20110930_123507_000059473107_00110_50124_7172.N1	30SEP2011 12:35:07	30SEP2011 14:14:14	0	0	0	0	0
9	MIP_NL__0PNPDK20110930_141316_000059623107_00111_50125_7173.N1	30SEP2011 14:13:16	30SEP2011 15:52:38	0	0	0	0	0
10	MIP_NL__0PNPDK20110930_155139_000058183107_00112_50126_7174.N1	30SEP2011 15:51:39	30SEP2011 17:28:37	0	0	0	0	0
11	MIP_NL__0PNPDK20110930_172745_000059413107_00113_50127_7175.N1	30SEP2011 17:27:45	30SEP2011 19:06:46	0	0	0	0	0
12	MIP_NL__0PNPDK20110930_190613_000000273107_00114_50128_7176.N1	30SEP2011 19:06:13	30SEP2011 19:06:40	0	0	0	0	0
13	MIP_NL__0PNPDK20110930_190640_000060673107_00114_50128_7177.N1	30SEP2011 19:06:40	30SEP2011 20:47:46	0	0	0	0	0
14	MIP_NL__0PNPDE20110930_204703_000042763107_00115_50129_9744.N1	30SEP2011 20:47:03	30SEP2011 21:58:19	0	0	0	0	0
15	MIP_NL__0PNPDE20110930_215718_000061483107_00115_50129_9745.N1	30SEP2011 21:57:18	30SEP2011 23:39:46	0	0	0	0	0
16	MIP_NL__0PNPDE20110930_233844_000060083107_00116_50130_9746.N1	30SEP2011 23:38:44	01OCT2011 01:18:51	0	0	0	0	0

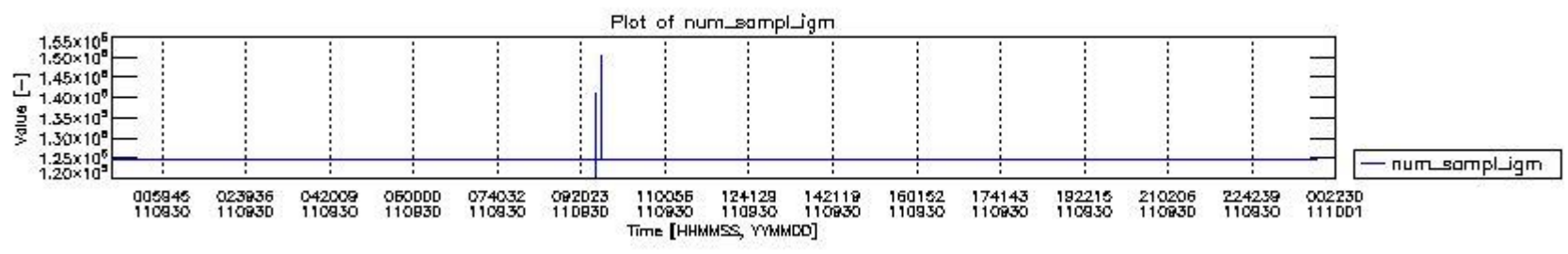
0.2 Instrument Operational Performance Parameters

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.

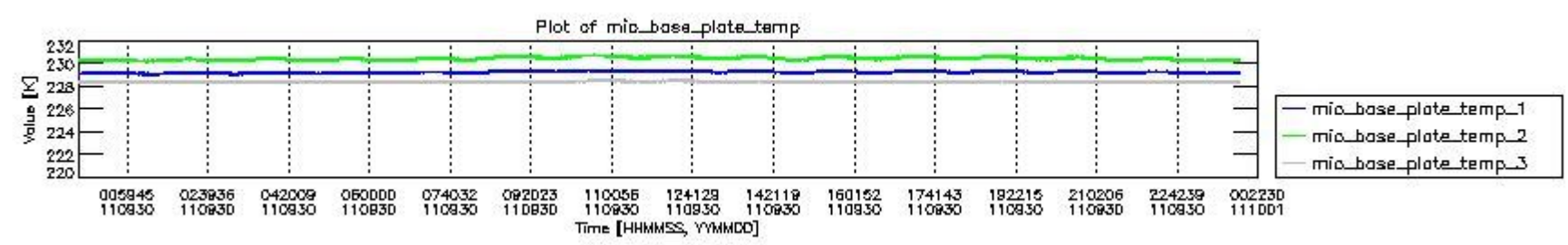
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
120691	1	0.0024038462

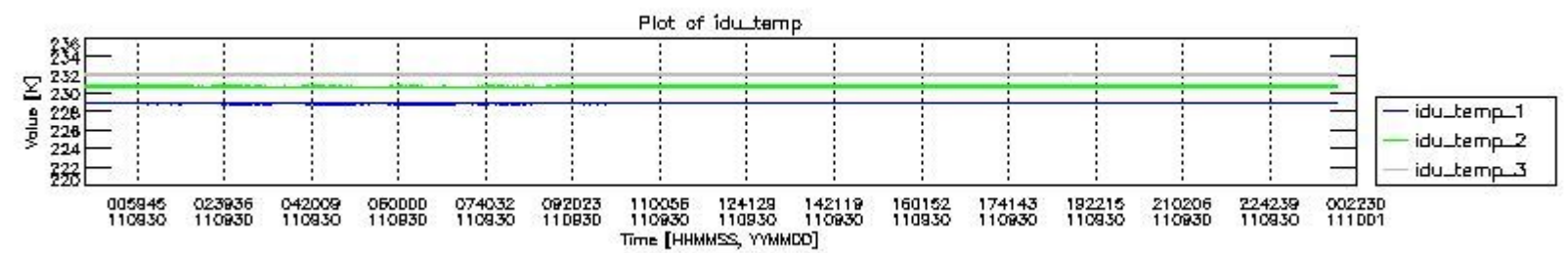
124800	38648	92.903846
124803	2946	7.0817308
127456	1	0.0024038462
136714	1	0.0024038462
140823	1	0.0024038462
147588	1	0.0024038462
150244	1	0.0024038462



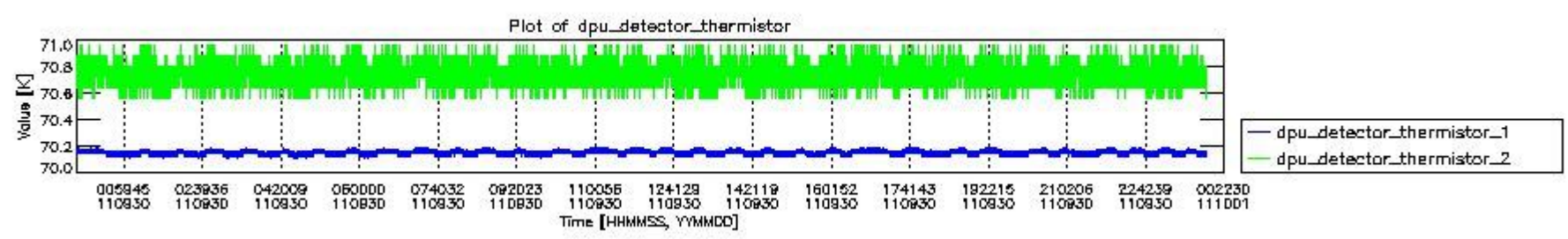
mipas_daily_report_level0_KSPT_L0_4504_N_20110930_0.PNG



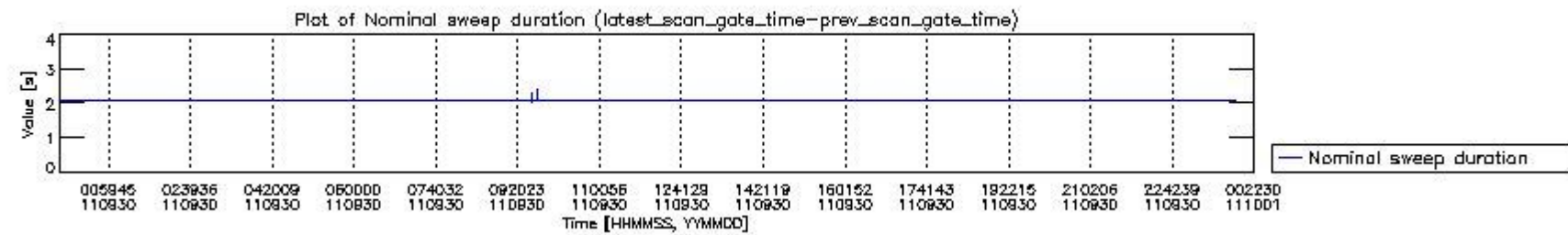
mipas_daily_report_level0_KSPT_L0_4504_N_20110930_1.PNG



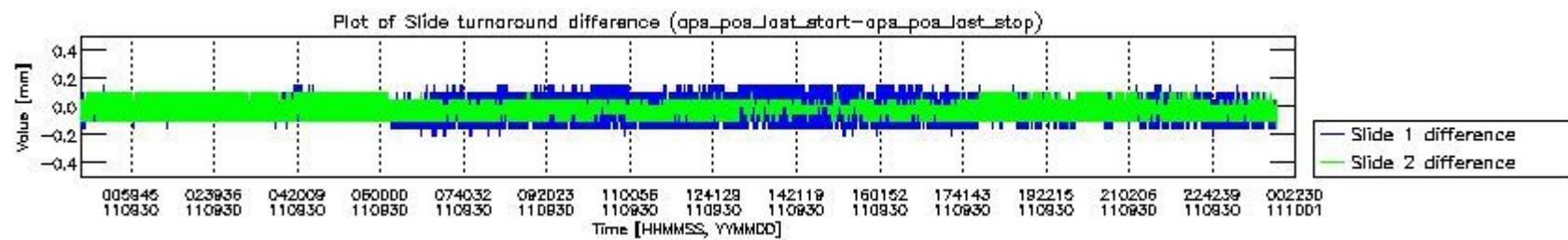
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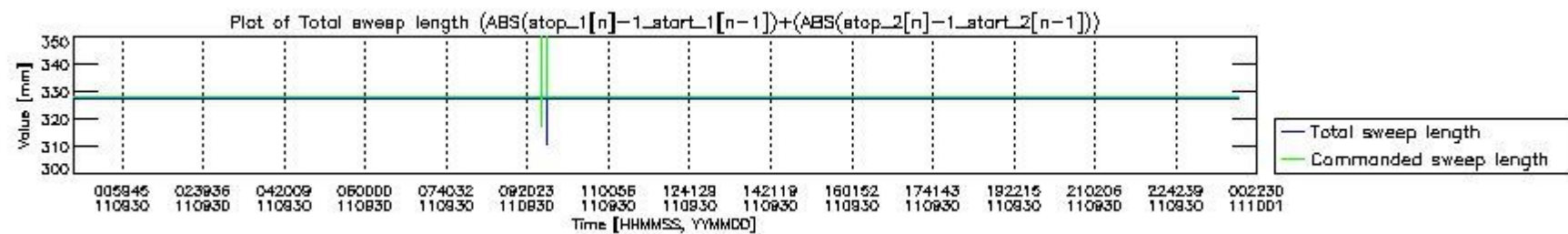
mipas_daily_report_level0_KSPT_L0_4504_N_20110930_3.PNG



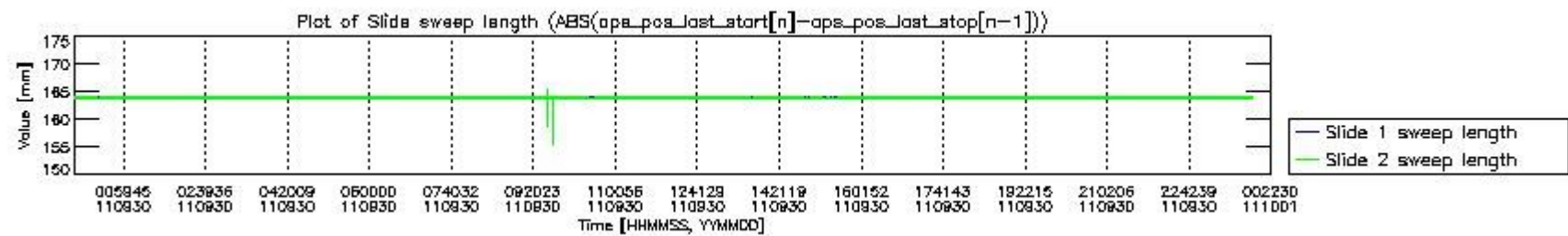
mipas_daily_report_level0_KSPT_L0_4504_N_20110930_4.PNG



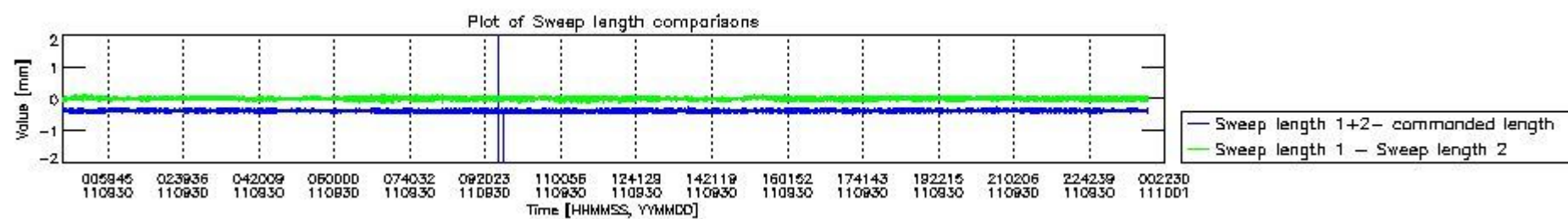
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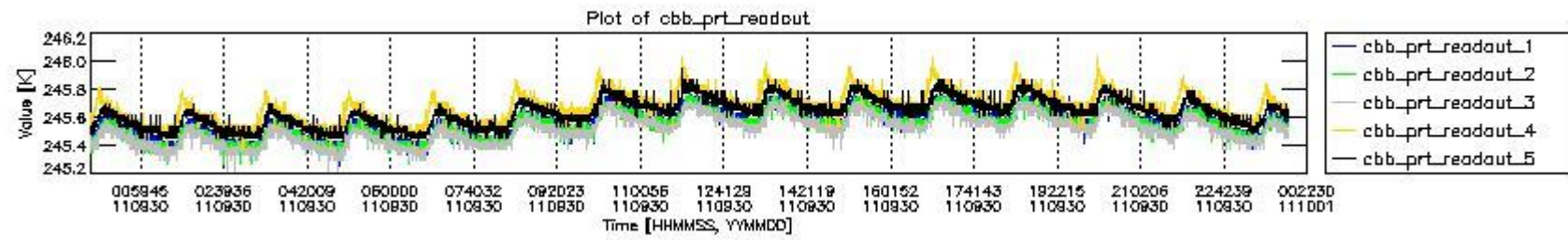
mipas_daily_report_level0_KSPT_L0_4504_N_20110930_6.PNG



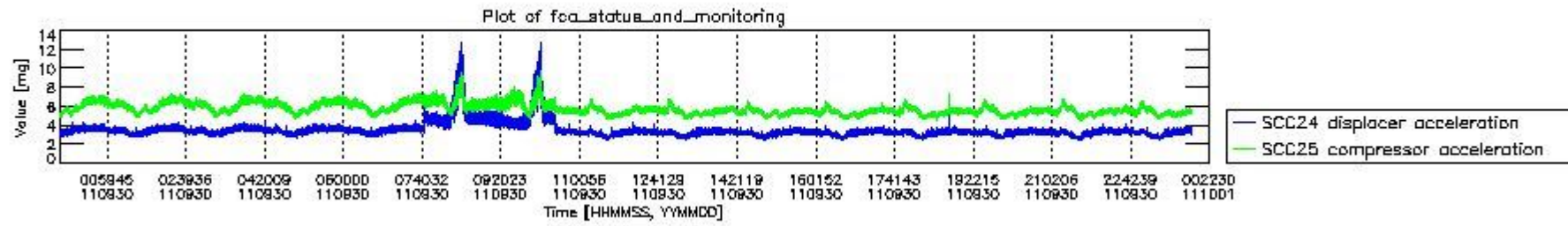
mipas_daily_report_level0_KSPT_L0_4504_N_20110930_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110930_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110930_9.PNG

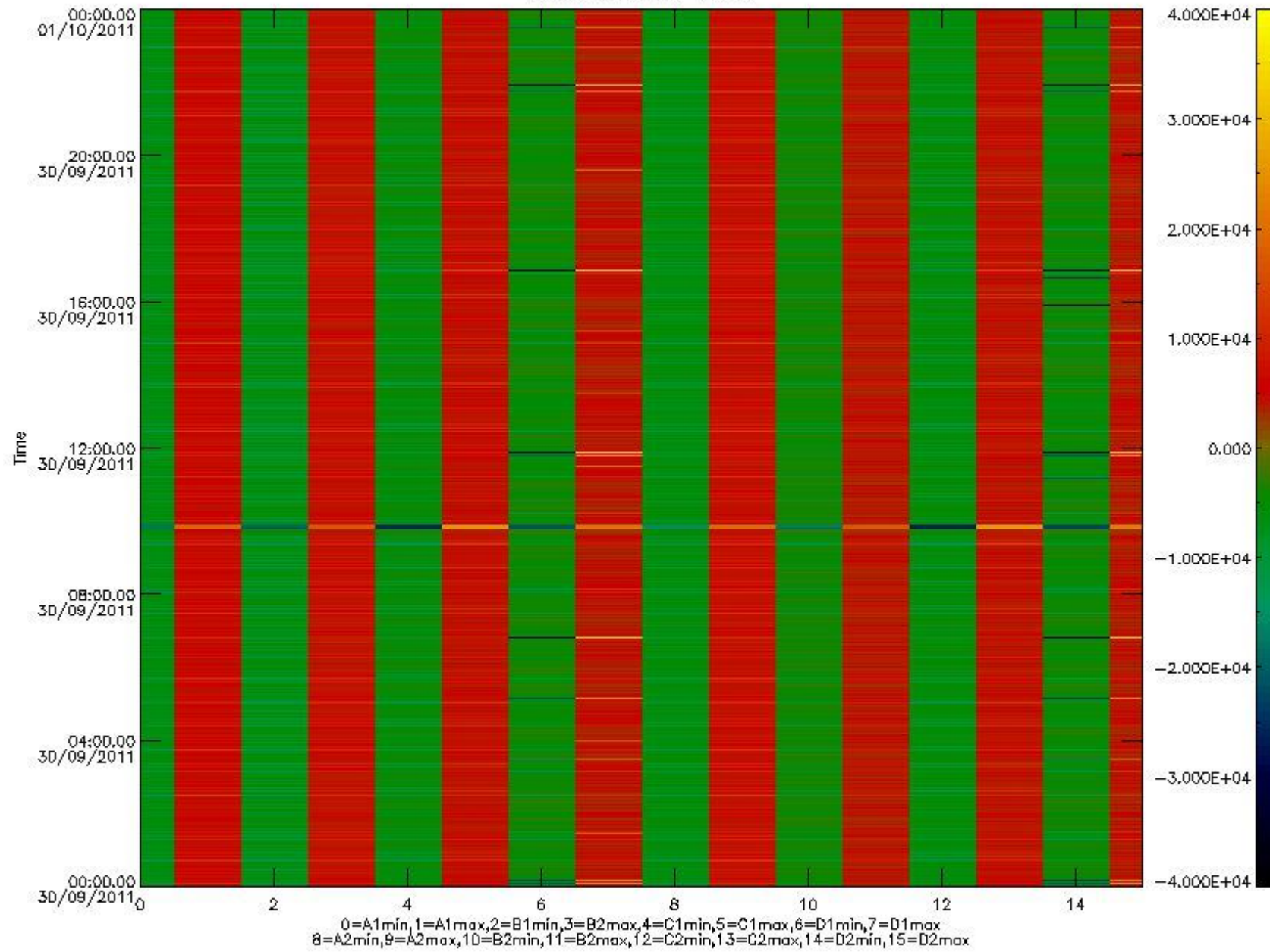


mipas_daily_report_level0_KSPT_L0_4504_N_20110930_10.PNG

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

Channel	Min	Max	ADC
A1	-18195	19323	16bit
B1	-20662	17754	16bit
C1	-25588	25477	16bit
D1	-32768	32767	16bit
A2	-15811	19567	16bit
B2	-18665	18333	16bit
C2	-26673	26268	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_20110930_11.PNG

0.3 ADF monitoring

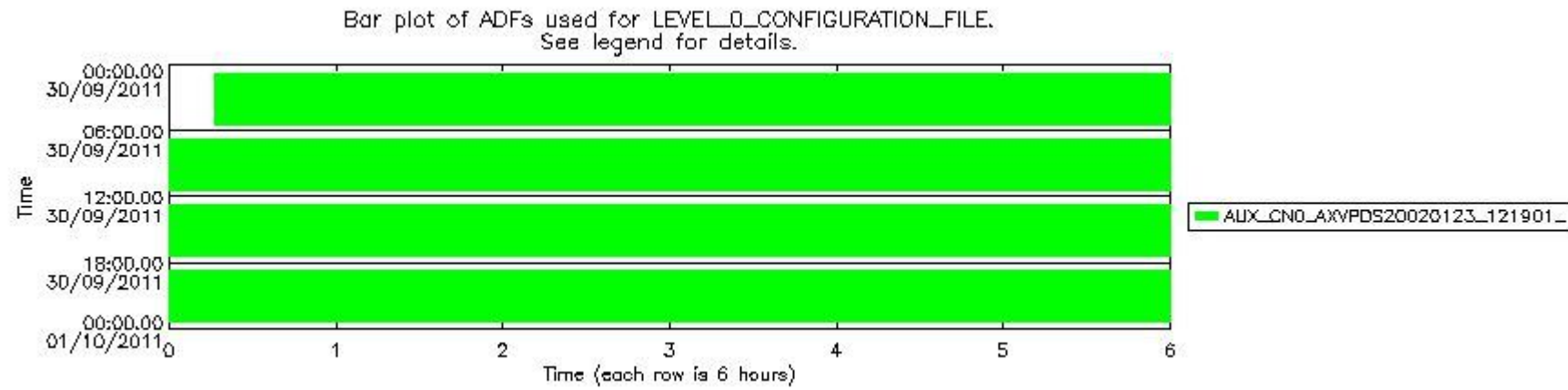
The use of ADFs is shown in two ways:

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.

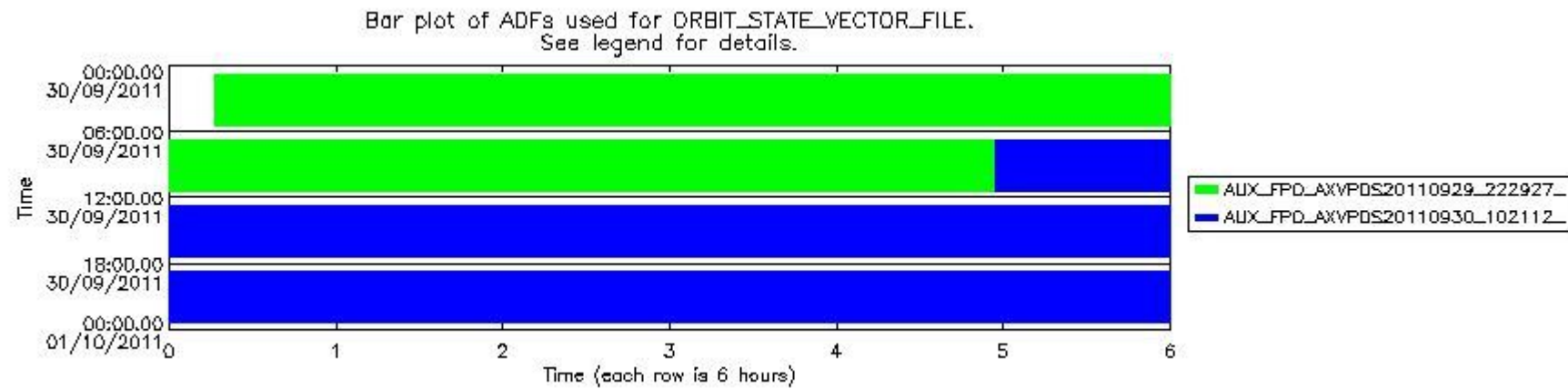
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110929_222927_20110929_092523_20111009_095854
2	AUX_FPO_AXVPDS20110930_102112_20110929_192647_20111009_214031

Number	Product name	#CN0	#FPO
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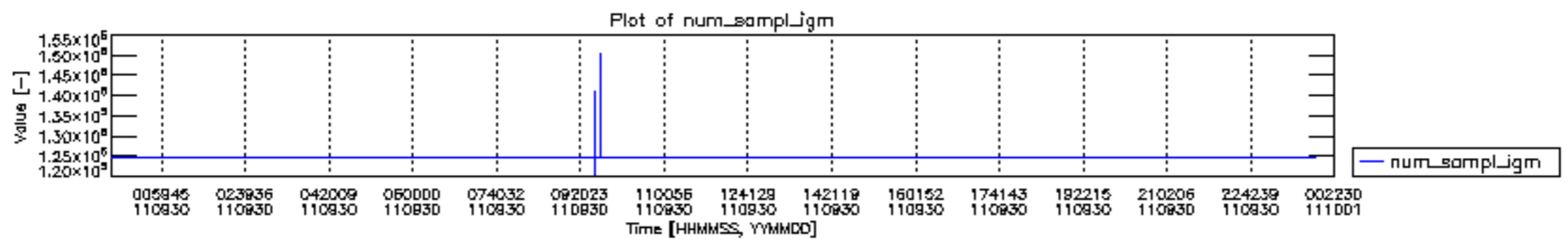
0	MIP_NL__0PNPDE20110930_001621_000059143107_00102_50116_9740.N1	0	1
1	MIP_NL__0PNPDE20110930_015354_000044103107_00103_50117_9741.N1	0	1
2	MIP_NL__0PNPDE20110930_030649_000061353107_00104_50118_9742.N1	0	1
3	MIP_NL__0PNPDE20110930_044831_000060853107_00105_50119_9743.N1	0	1
4	MIP_NL__0PNPDK20110930_062923_000041073107_00106_50120_7168.N1	0	1
5	MIP_NL__0PNPDK20110930_073716_000060793107_00107_50121_7169.N1	0	1
6	MIP_NL__0PNPDK20110930_091751_000059923107_00108_50122_7170.N1	0	1
7	MIP_NL__0PNPDK20110930_105702_000059773107_00109_50123_7171.N1	0	2
8	MIP_NL__0PNPDK20110930_123507_000059473107_00110_50124_7172.N1	0	2
9	MIP_NL__0PNPDK20110930_141316_000059623107_00111_50125_7173.N1	0	2
10	MIP_NL__0PNPDK20110930_155139_000058183107_00112_50126_7174.N1	0	2
11	MIP_NL__0PNPDK20110930_172745_000059413107_00113_50127_7175.N1	0	2
12	MIP_NL__0PNPDK20110930_190613_000000273107_00114_50128_7176.N1	0	2
13	MIP_NL__0PNPDK20110930_190640_000060673107_00114_50128_7177.N1	0	2
14	MIP_NL__0PNPDE20110930_204703_000042763107_00115_50129_9744.N1	0	2
15	MIP_NL__0PNPDE20110930_215718_000061483107_00115_50129_9745.N1	0	2
16	MIP_NL__0PNPDE20110930_233844_000060083107_00116_50130_9746.N1	0	2

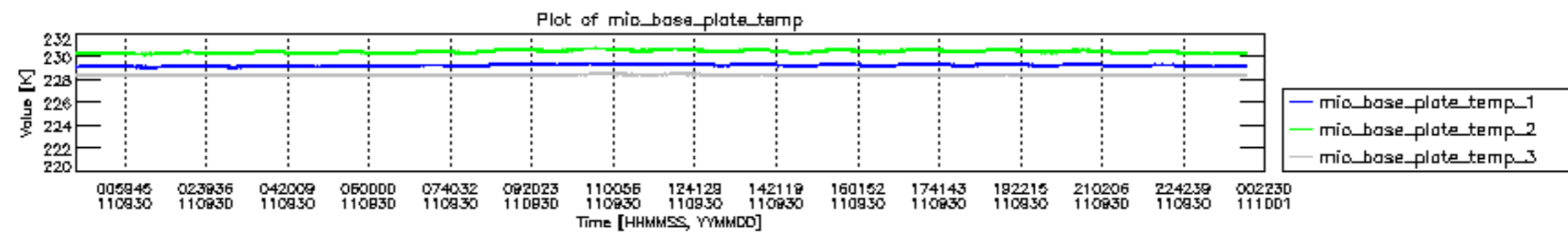


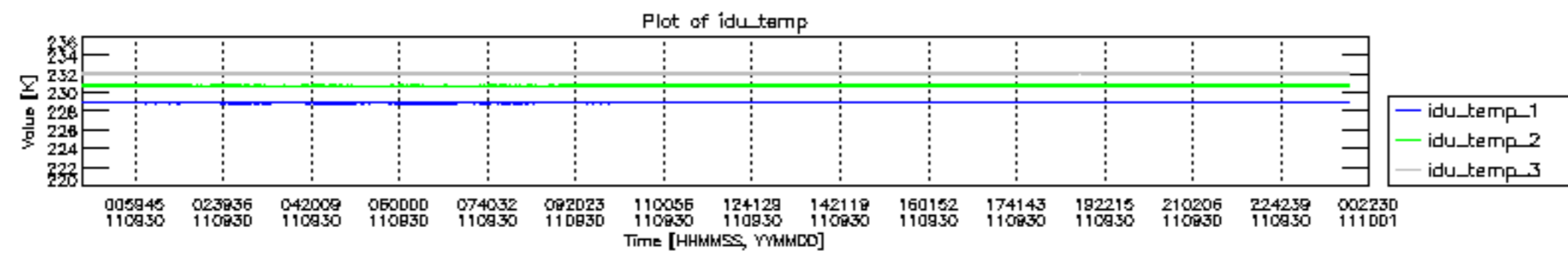
mipas_daily_report_level0_KSPT_L0_4504_N_20110930_12.PNG

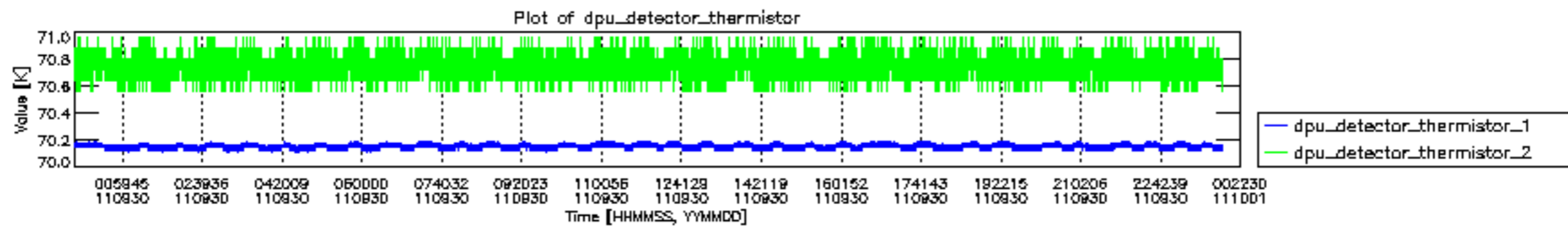


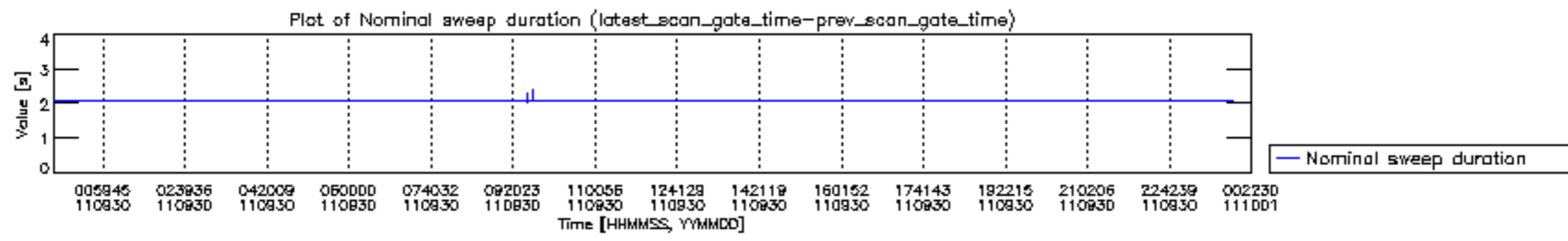
mipas_daily_report_level0_KSPT_L0_4504_N_20110930_13.PNG

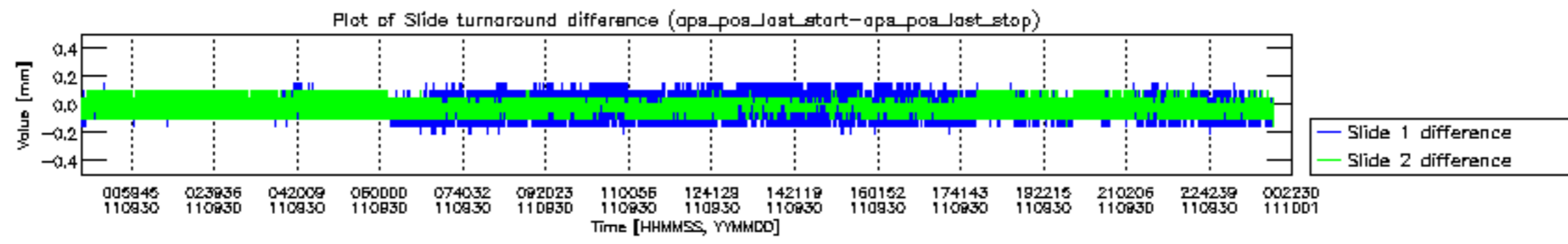


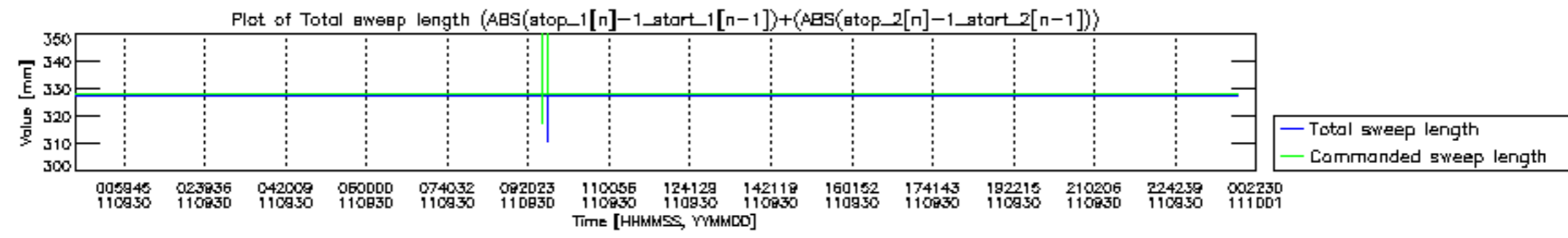


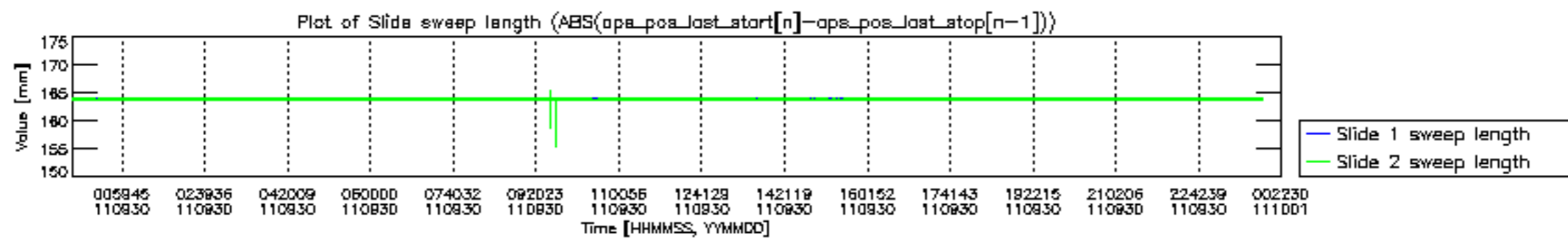


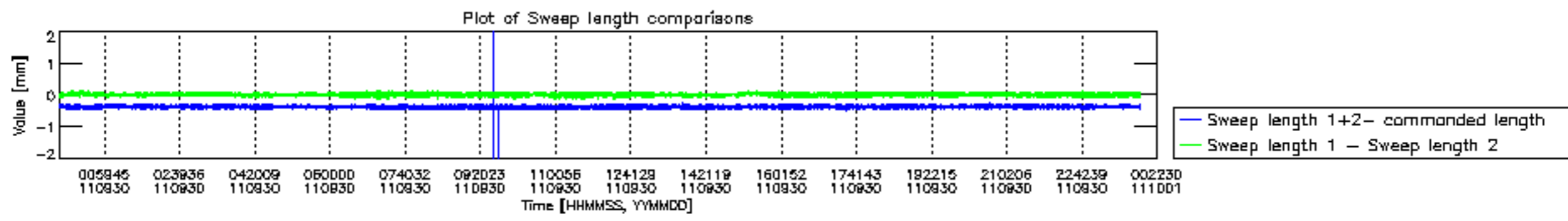


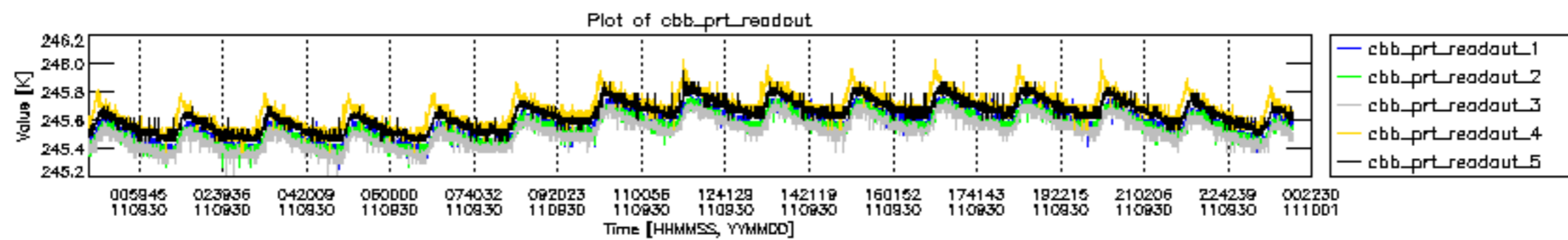


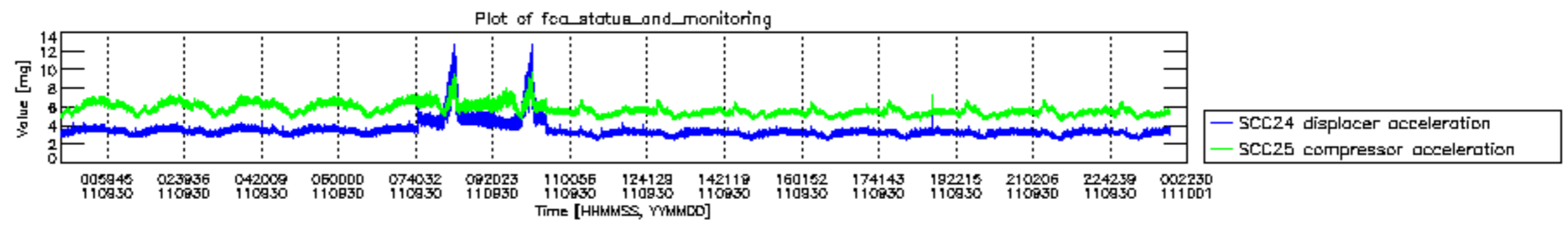












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

