

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	07SEP2011 05:24:06
Data source version	KSPT_L0/4504-N
Processing scope for products	02SEP2011 00:00:00 to 03SEP2011 00:00:00
Start time of first product within scope	02SEP2011 00:42:36
Stop time of last product within scope	03SEP2011 00:07:01
Total number of level 0 products	16
Number of level 0 products with errors	2

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__0PNPDE20110902_004236_000057323106_00131_49714_9564.N1	02SEP2011 00:42:36	02SEP2011 02:18:08	0	0	0	0	0
1	MIP_NL__0PNPDE20110902_010143_000045853106_00132_49715_9566.N1	02SEP2011 01:01:43	02SEP2011 02:18:08	0	0	0	0	0
2	MIP_NL__0PNPDE20110902_021609_000047153106_00132_49715_9565.N1	02SEP2011 02:16:09	02SEP2011 03:34:44	0	0	0	0	0
3	MIP_NL__0PNPDE20110902_033411_000061333106_00133_49716_9567.N1	02SEP2011 03:34:11	02SEP2011 05:16:24	0	0	0	0	0
4	MIP_NL__0PNPDE20110902_051551_000059873106_00134_49717_9568.N1	02SEP2011 05:15:51	02SEP2011 06:55:38	0	0	0	0	0
5	MIP_NL__0PNPDK20110902_065504_000040883106_00135_49718_6207.N1	02SEP2011 06:55:04	02SEP2011 08:03:12	0	0	0	0	0
6	MIP_NL__0PNPDK20110902_080239_000061633106_00136_49719_6208.N1	02SEP2011 08:02:39	02SEP2011 09:45:22	0	0	0	0	0
7	MIP_NL__0PNPDK20110902_094436_000059393106_00137_49720_6209.N1	02SEP2011 09:44:36	02SEP2011 11:23:35	0	0	0	0	0
8	MIP_NL__0PNPDK20110902_112251_000060063106_00138_49721_6210.N1	02SEP2011 11:22:51	02SEP2011 13:02:57	0	0	0	0	0
9	MIP_NL__0PNPDK20110902_130226_000059183106_00139_49722_6211.N1	02SEP2011 13:02:26	02SEP2011 14:41:04	0	0	0	0	0
10	MIP_NL__0PNPDK20110902_144020_000058183106_00140_49723_6212.N1	02SEP2011 14:40:20	02SEP2011 16:17:18	0	0	0	0	0
11	MIP_NL__0PNPDK20110902_161620_000059143106_00141_49724_6213.N1	02SEP2011 16:16:20	02SEP2011 17:54:53	0	0	0	0	0
12	MIP_NL__0PNPDK20110902_175355_000059933106_00142_49725_6214.N1	02SEP2011 17:53:55	02SEP2011 19:33:48	1	1	0	0	0
13	MIP_NL__0PNPDK20110902_193216_000060143106_00143_49726_6215.N1	02SEP2011 19:32:16	02SEP2011 21:12:31	0	0	0	0	0
14	MIP_NL__0PNPDE20110902_211105_000045043106_00144_49727_9569.N1	02SEP2011 21:11:05	02SEP2011 22:26:09	0	0	0	0	0
15	MIP_NL__0PNPDE20110902_222512_000061083106_00144_49727_9570.N1	02SEP2011 22:25:12	03SEP2011 00:07:01	1	0	1	0	0

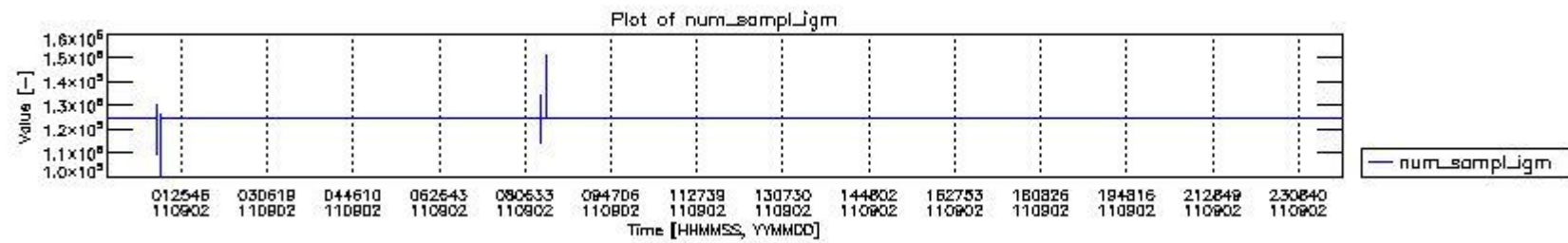
0.2 Instrument Operational Performance Parameters

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.

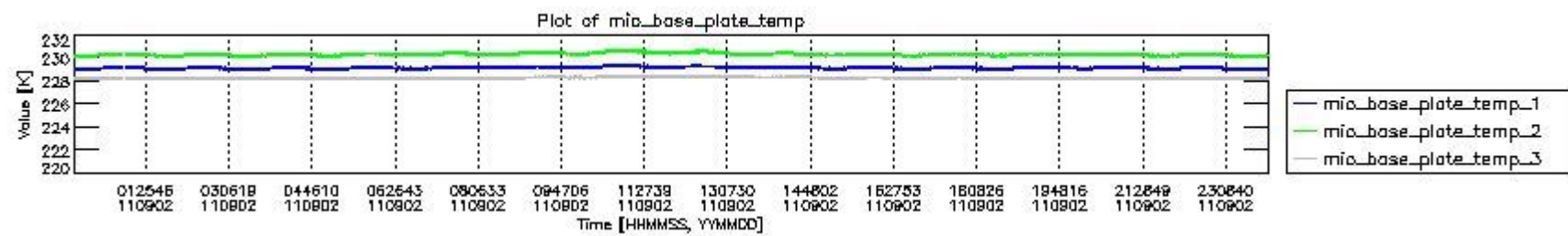
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100334	1	0.0024090000
109988	1	0.0024090000

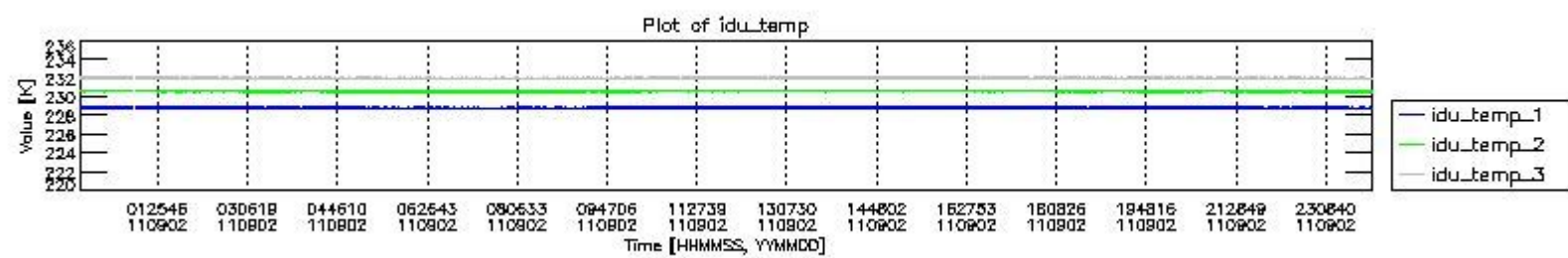
114523	1	0.0024090000
115302	1	0.0024090000
124372	1	0.0024090000
124800	38572	92.919949
124803	2927	7.0511431
125586	1	0.0024090000
126372	1	0.0024090000
127754	1	0.0024090000
130117	1	0.0024090000
134652	1	0.0024090000
147886	1	0.0024090000
150840	1	0.0024090000



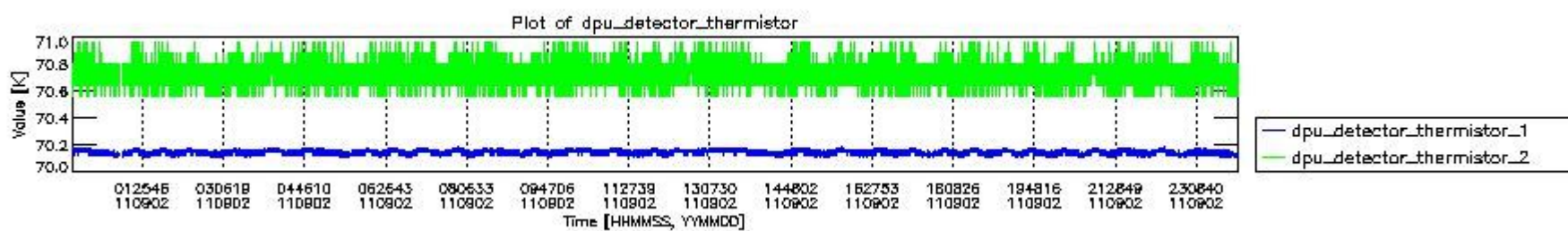
mipas_daily_report_level0_KSPT_L0_4504_N_20110902_0.PNG



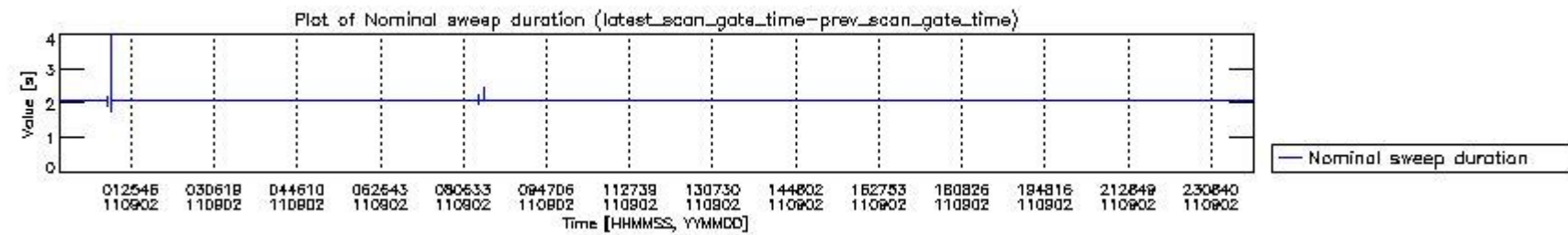
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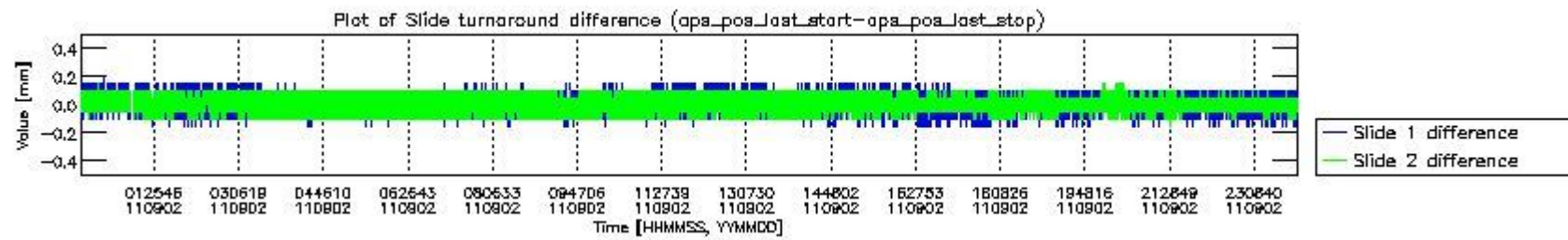
mipas_daily_report_level0_KSPT_L0_4504_N_20110902_2.PNG



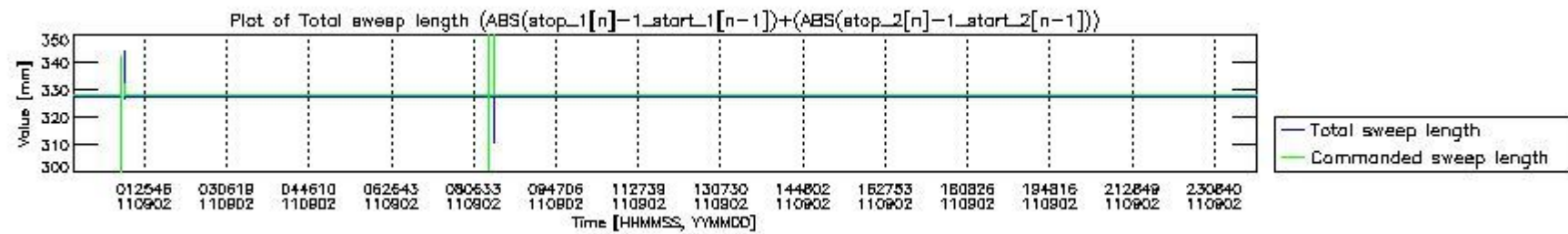
mipas_daily_report_level0_KSPT_L0_4504_N_20110902_3.PNG



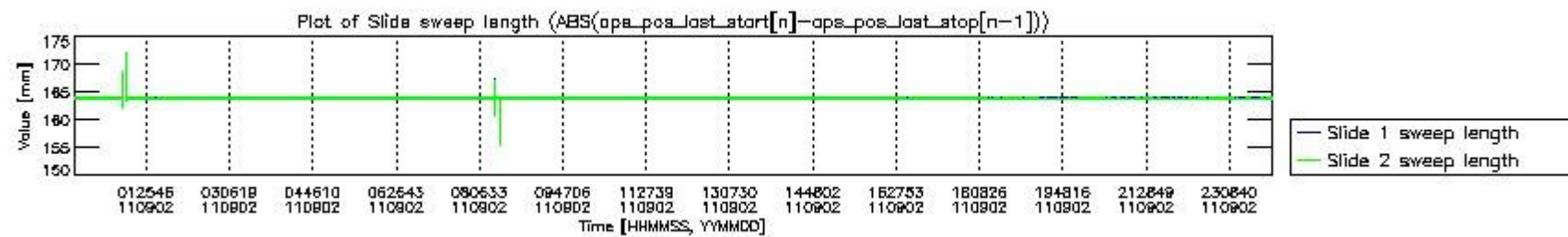
mipas_daily_report_level0_KSPT_L0_4504_N_20110902_4.PNG



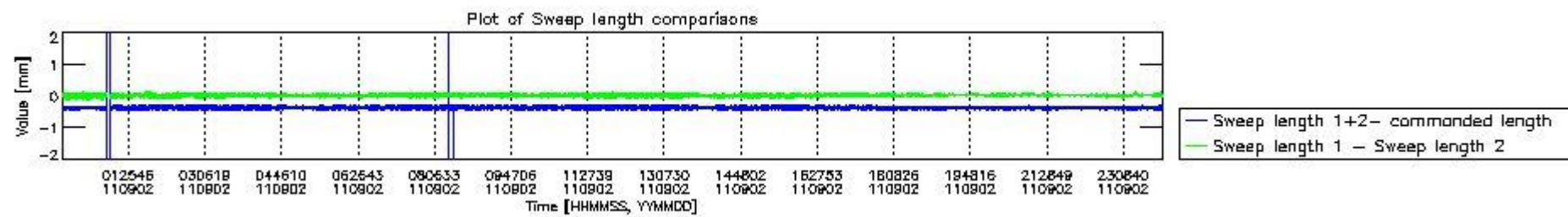
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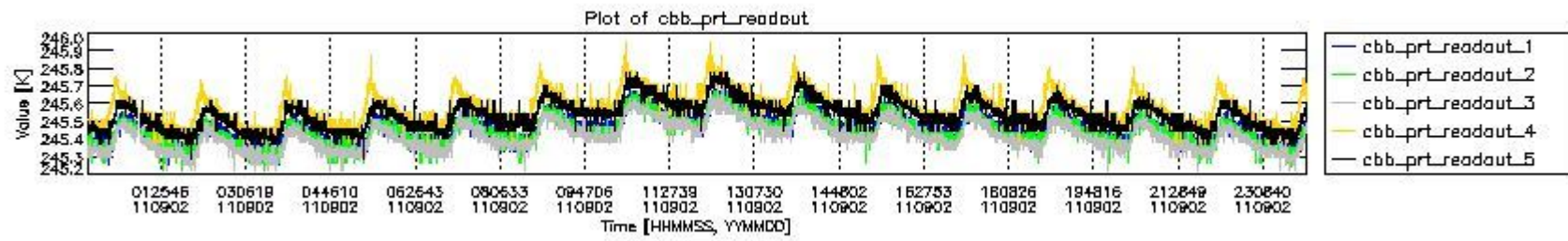
mipas_daily_report_level0_KSPT_L0_4504_N_20110902_6.PNG



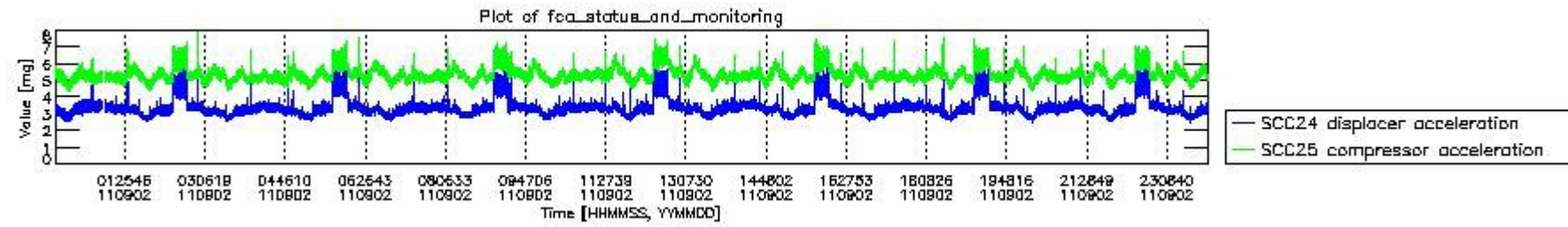
mipas_daily_report_level0_KSPT_L0_4504_N_20110902_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110902_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110902_9.PNG

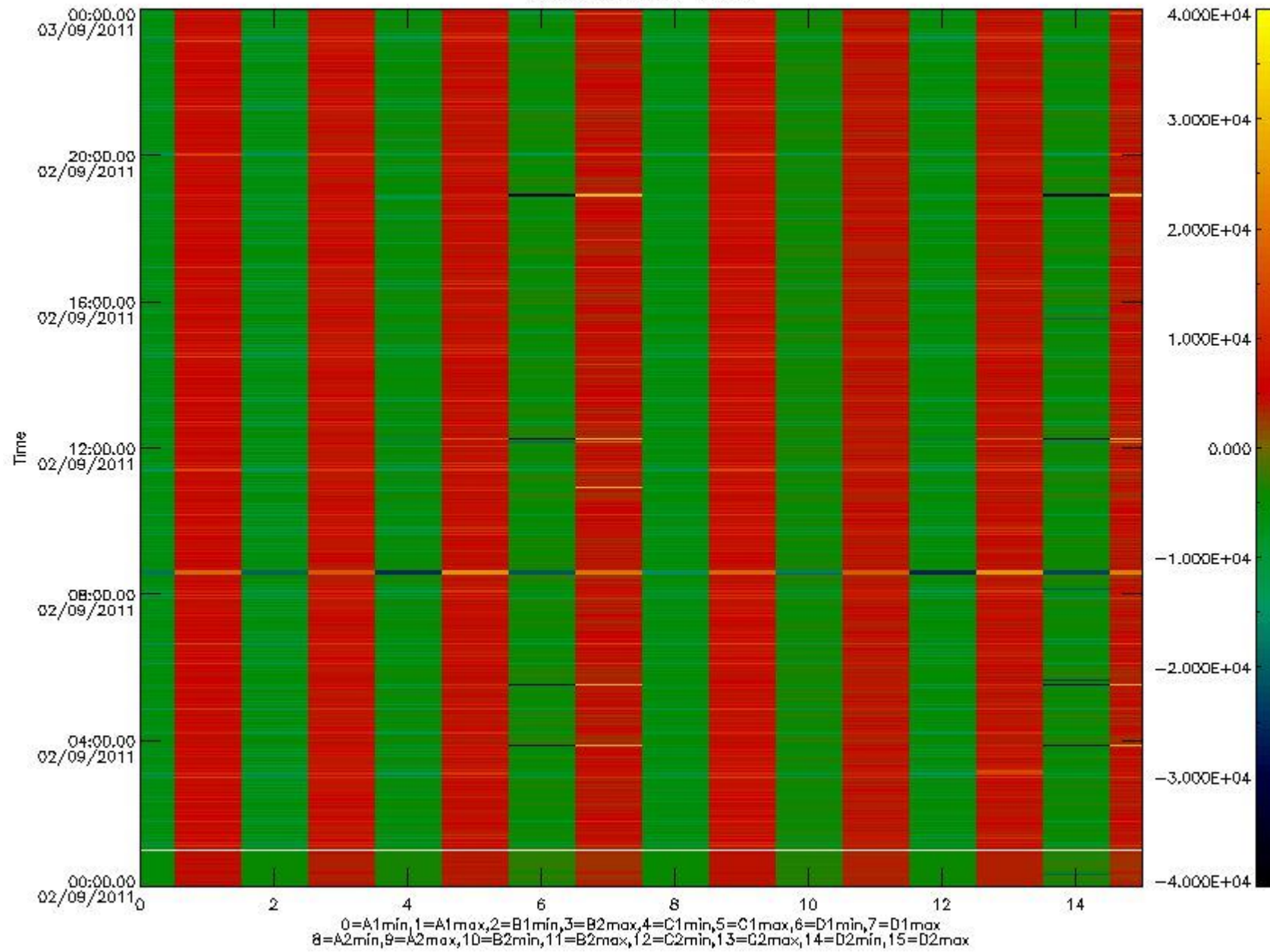


mipas_daily_report_level0_KSPT_L0_4504_N_20110902_10.PNG

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

Channel	Min	Max	ADC
A1	-18428	19375	16bit
B1	-20484	17648	16bit
C1	-25564	25486	16bit
D1	-32768	32767	16bit
A2	-15735	19384	16bit
B2	-18715	18399	16bit
C2	-26611	26810	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110902_11.PNG

0.3 ADF monitoring

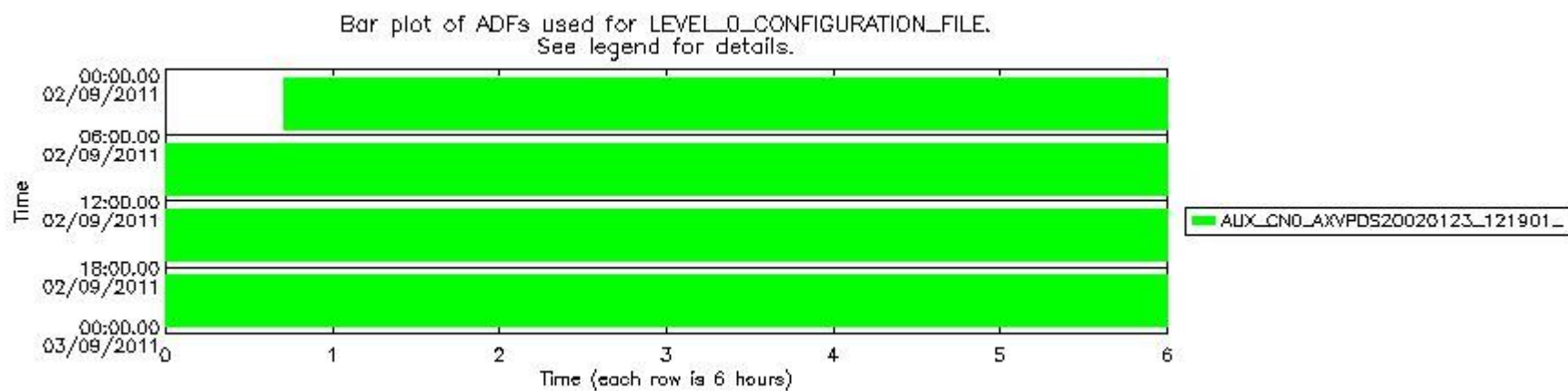
The use of ADFs is shown in two ways:

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.

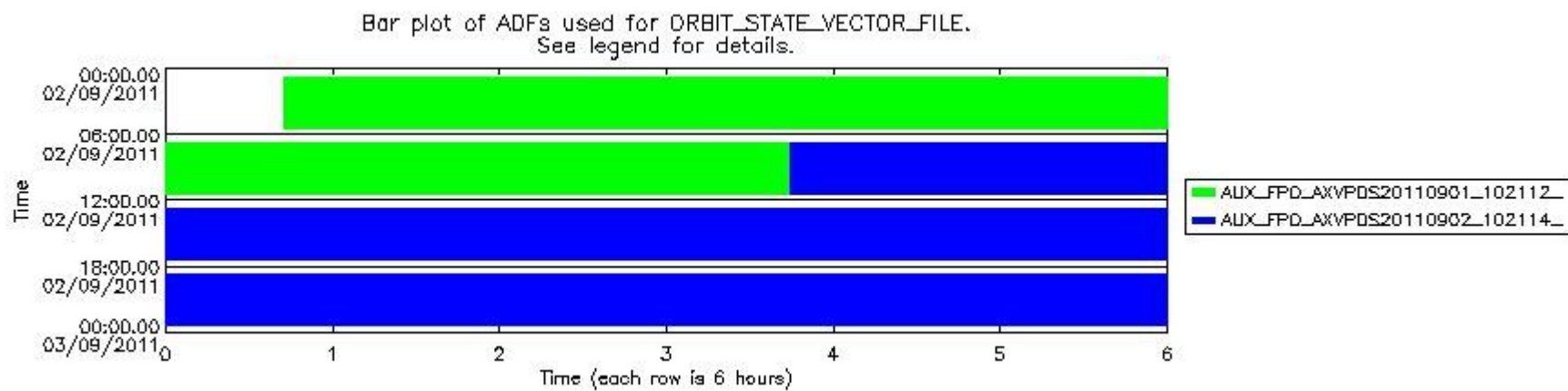
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110901_102112_20110831_184944_20110910_210329
2	AUX_FPO_AXVPDS20110902_102114_20110901_195314_20110911_202644

Number	Product name	#CN0	#FPO
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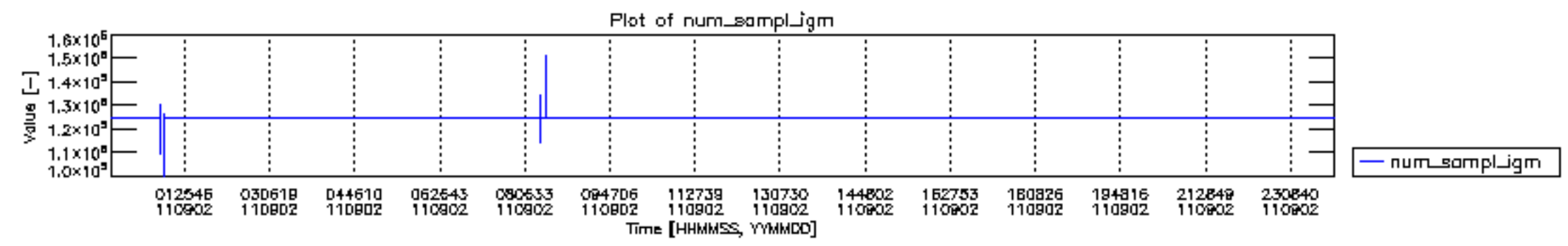
0	MIP_NL__0PNPDE20110902_004236_000057323106_00131_49714_9564.N1	0	1
1	MIP_NL__0PNPDE20110902_010143_000045853106_00132_49715_9566.N1	0	1
2	MIP_NL__0PNPDE20110902_021609_000047153106_00132_49715_9565.N1	0	1
3	MIP_NL__0PNPDE20110902_033411_000061333106_00133_49716_9567.N1	0	1
4	MIP_NL__0PNPDE20110902_051551_000059873106_00134_49717_9568.N1	0	1
5	MIP_NL__0PNPDK20110902_065504_000040883106_00135_49718_6207.N1	0	1
6	MIP_NL__0PNPDK20110902_080239_000061633106_00136_49719_6208.N1	0	1
7	MIP_NL__0PNPDK20110902_094436_000059393106_00137_49720_6209.N1	0	2
8	MIP_NL__0PNPDK20110902_112251_000060063106_00138_49721_6210.N1	0	2
9	MIP_NL__0PNPDK20110902_130226_000059183106_00139_49722_6211.N1	0	2
10	MIP_NL__0PNPDK20110902_144020_000058183106_00140_49723_6212.N1	0	2
11	MIP_NL__0PNPDK20110902_161620_000059143106_00141_49724_6213.N1	0	2
12	MIP_NL__0PNPDK20110902_175355_000059933106_00142_49725_6214.N1	0	2
13	MIP_NL__0PNPDK20110902_193216_000060143106_00143_49726_6215.N1	0	2
14	MIP_NL__0PNPDE20110902_211105_000045043106_00144_49727_9569.N1	0	2
15	MIP_NL__0PNPDE20110902_222512_000061083106_00144_49727_9570.N1	0	2

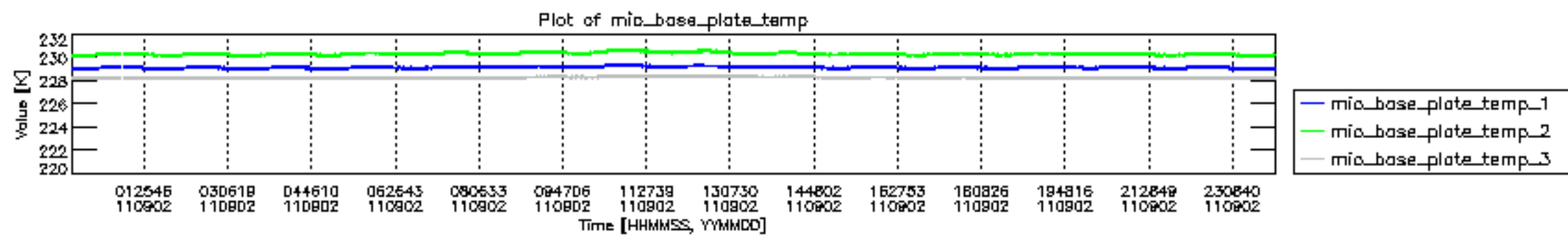


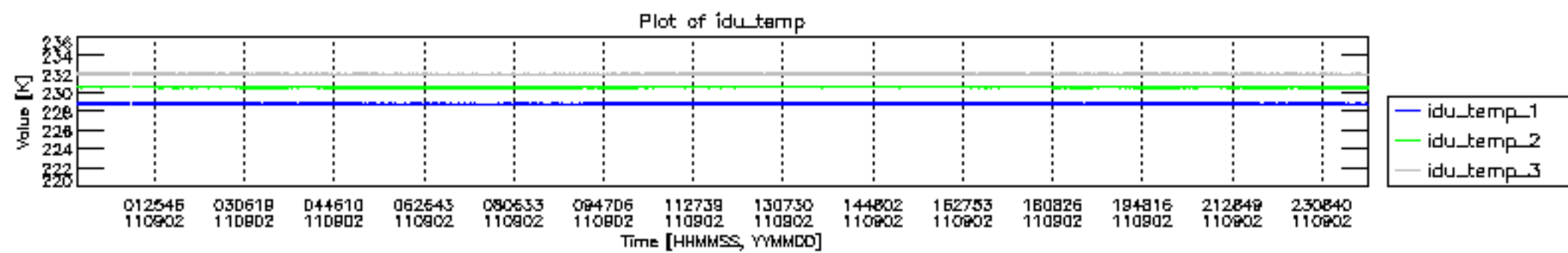
mipas_daily_report_level0_KSPT_L0_4504_N_20110902_12.PNG

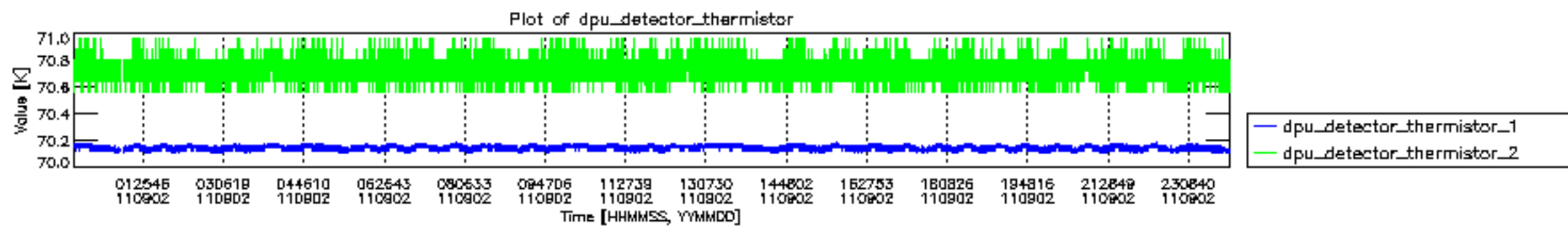


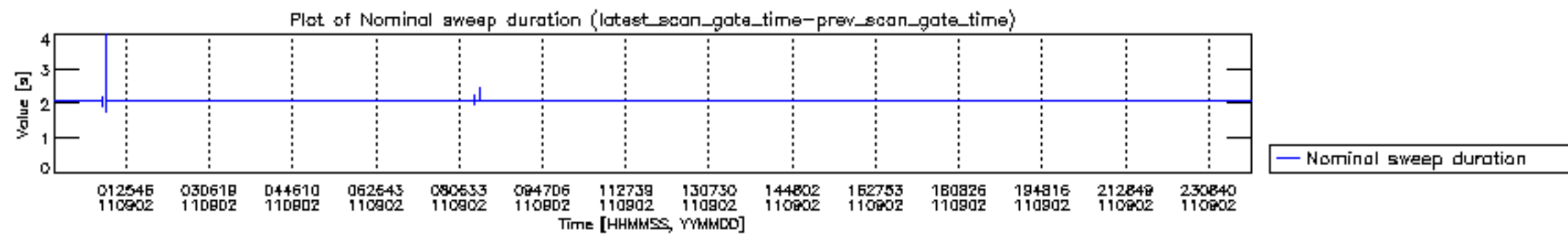
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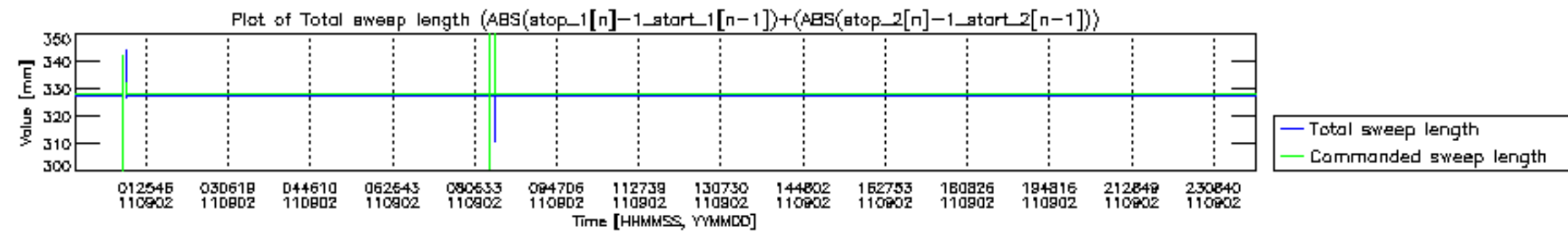


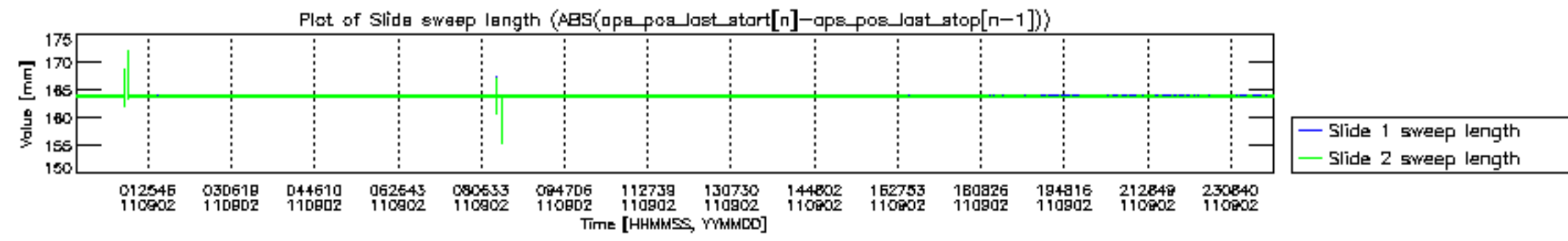


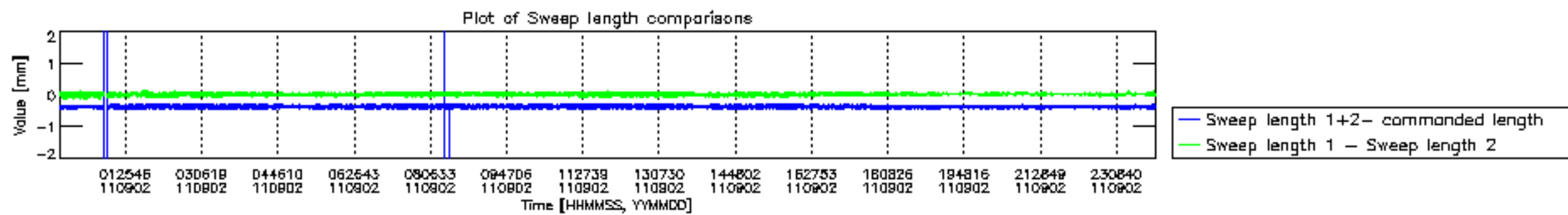


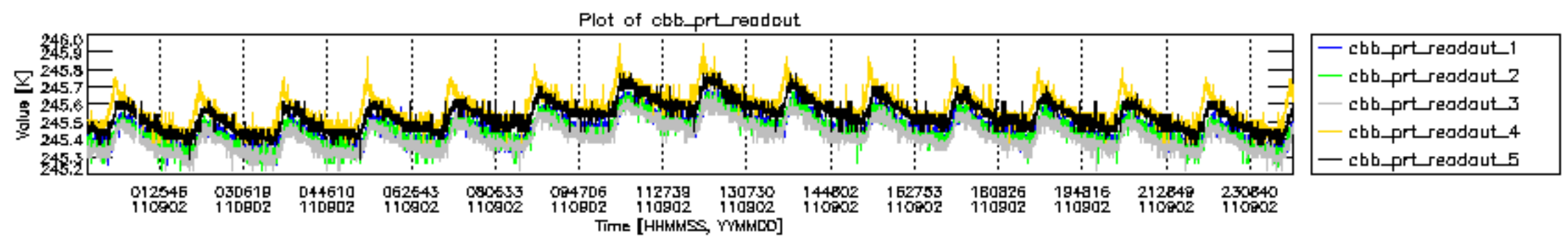


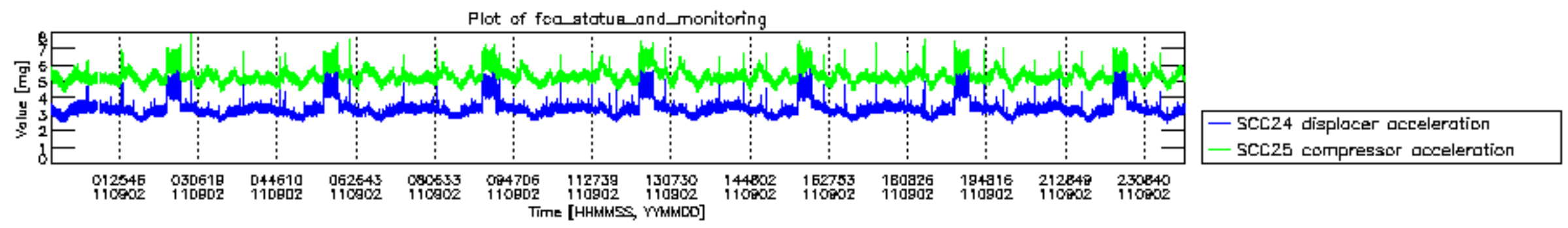












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

