

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	v1.5 2008-02-08
Time of report generation	05NOV2010 05:24:49
Data source version	KSPT_L0/4504-N
Processing scope for products	31OCT2010 00:00:00 to 01NOV2010 00:00:00
Start time of first product within scope	31OCT2010 00:55:24
Stop time of last product within scope	01NOV2010 00:19:55
Total number of level 0 products	12
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__0PNPDE20101031_005524_000102973096_00045_45318_1753.N1	31OCT2010 00:55:24	31OCT2010 03:47:01	0	0	0	0	0
1	MIP_NL__0PNPDE20101031_013902_000076793096_00046_45319_1754.N1	31OCT2010 01:39:02	31OCT2010 03:47:01	0	0	0	0	0
2	MIP_NL__0PNPDE20101031_034628_000062503096_00047_45320_1756.N1	31OCT2010 03:46:28	31OCT2010 05:30:37	0	0	0	0	0
3	MIP_NL__0PNPDE20101031_053006_000060033096_00048_45321_1757.N1	31OCT2010 05:30:06	31OCT2010 07:10:09	0	0	0	0	0
4	MIP_NL__0PNPDK20101031_070937_000040973096_00049_45322_3141.N1	31OCT2010 07:09:37	31OCT2010 08:17:54	0	0	0	0	0
5	MIP_NL__0PNPDK20101031_081633_000060903096_00050_45323_3142.N1	31OCT2010 08:16:33	31OCT2010 09:58:03	0	0	0	0	0
6	MIP_NL__0PNPDK20101031_095700_000059453096_00051_45324_3143.N1	31OCT2010 09:57:00	31OCT2010 11:36:05	0	0	0	0	0
7	MIP_NL__0PNPDK20101031_113507_000061113096_00052_45325_3144.N1	31OCT2010 11:35:07	31OCT2010 13:16:57	0	0	0	0	0
8	MIP_NL__0PNPDK20101031_131559_000058673096_00053_45326_3145.N1	31OCT2010 13:15:59	31OCT2010 14:53:46	0	0	0	0	0
9	MIP_NL__0PNPDE20101031_194649_000040903096_00057_45330_1758.N1	31OCT2010 19:46:49	31OCT2010 20:54:59	0	0	0	0	0
10	MIP_NL__0PNPDE20101031_205401_000063473096_00057_45330_1759.N1	31OCT2010 20:54:01	31OCT2010 22:39:47	0	0	0	0	0
11	MIP_NL__0PNPDE20101031_223839_000060763096_00058_45331_1760.N1	31OCT2010 22:38:39	01NOV2010 00:19:55	0	0	0	0	0

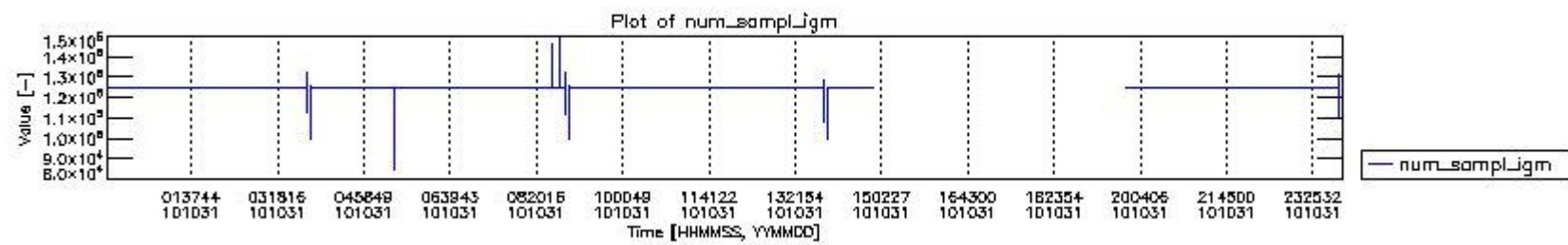
0.2 Instrument Operational Performance Parameters

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.

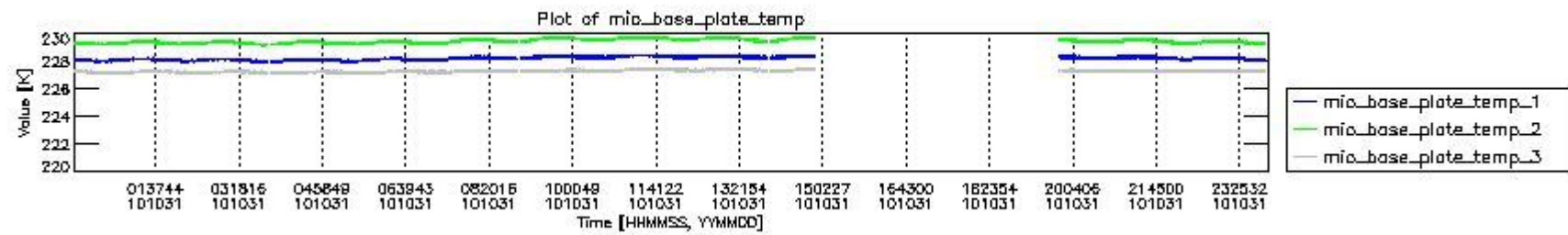
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
84228	1	0.0030664500
94451	1	0.0030664500
99591	1	0.0030664500
99814	2	0.0061328999
108130	1	0.0030664500
111101	1	0.0030664500

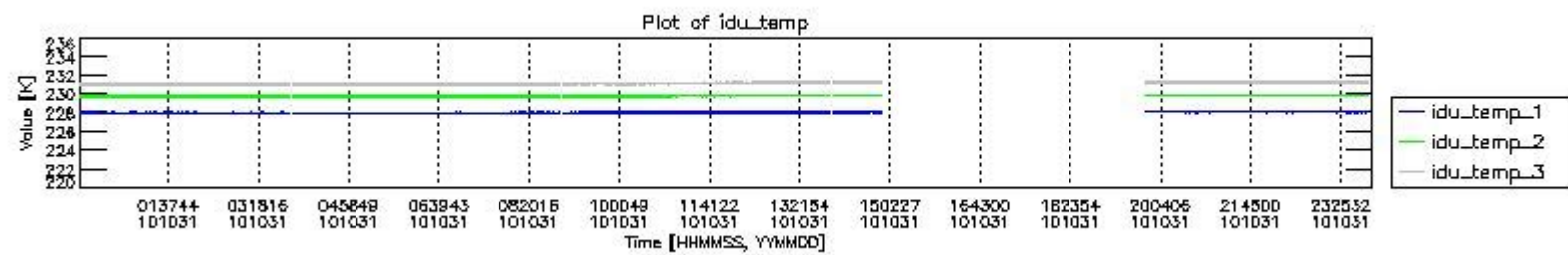
111586	1	0.0030664500
111845	1	0.0030664500
112442	1	0.0030664500
114580	1	0.0030664500
117534	1	0.0030664500
119022	1	0.0030664500
120210	1	0.0030664500
124800	30276	92.839839
124803	2305	7.0681672
124843	1	0.0030664500
124886	1	0.0030664500
125066	2	0.0061328999
125300	1	0.0030664500
125332	2	0.0061328999
126936	1	0.0030664500
128259	1	0.0030664500
131233	1	0.0030664500
131977	1	0.0030664500
132571	1	0.0030664500
145432	1	0.0030664500
145932	1	0.0030664500
147068	1	0.0030664500
149204	1	0.0030664500



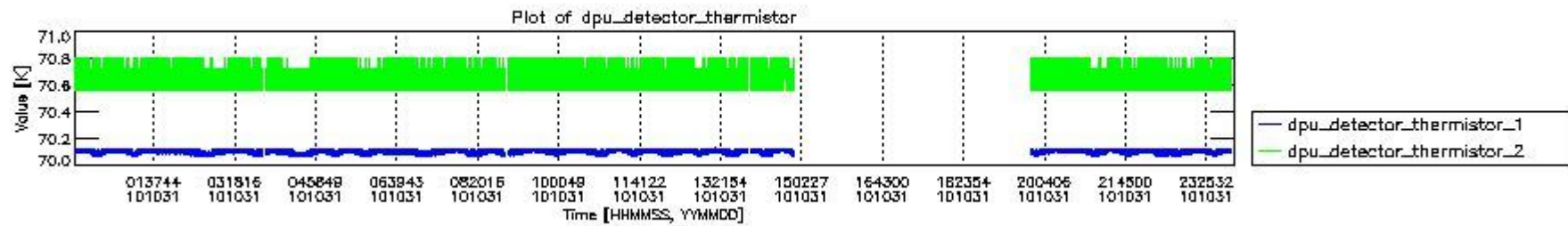
mipas_daily_report_level0_KSPT_L0_4504_N_20101031_0.PNG



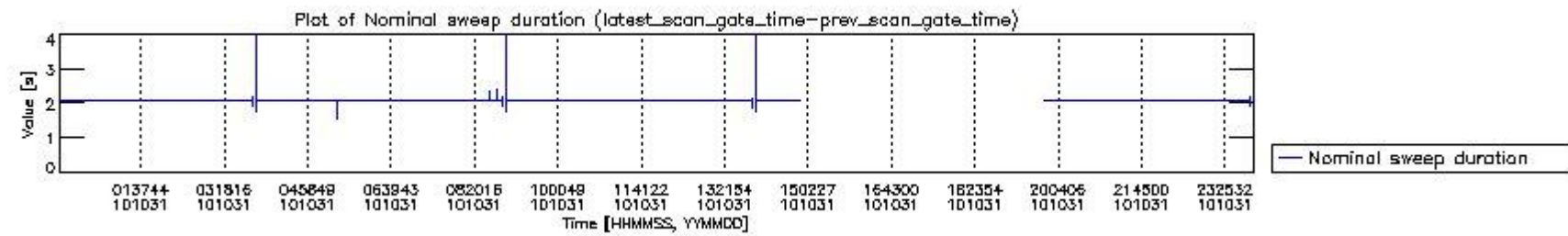
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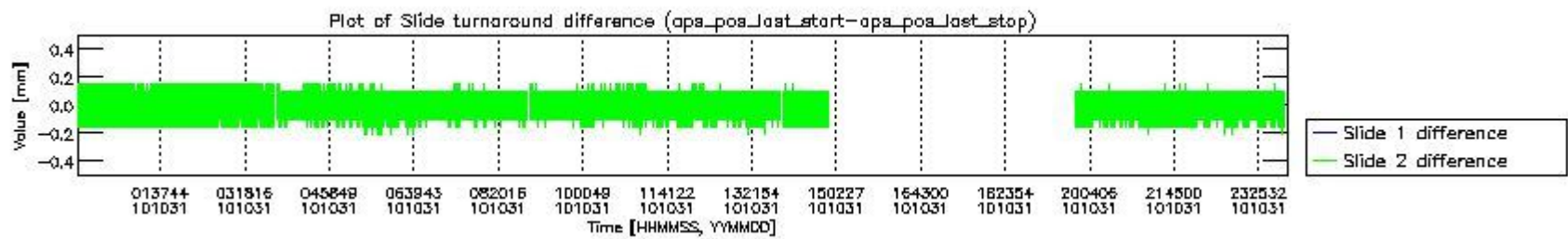
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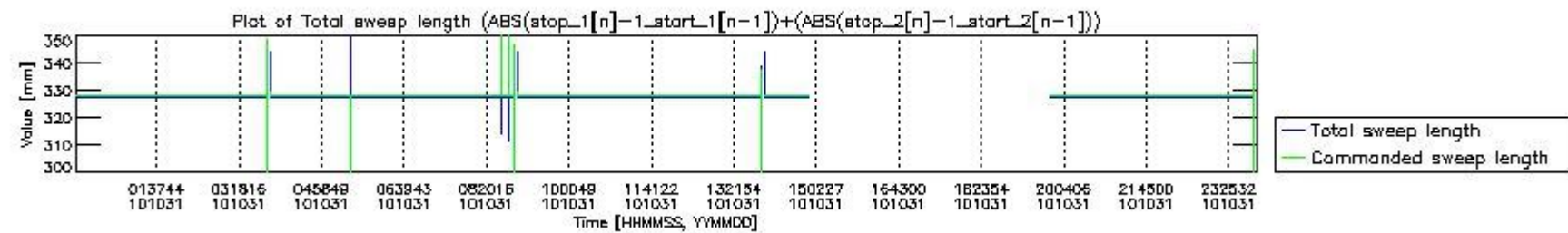
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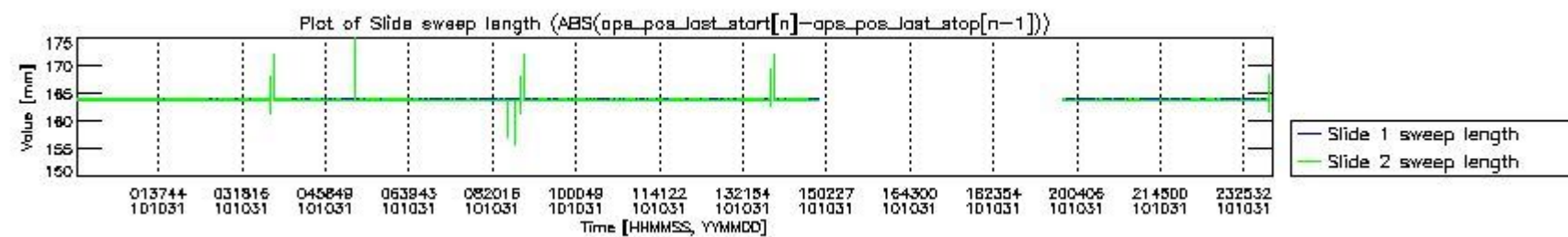
mipas_daily_report_level0_KSPT_L0_4504_N_20101031_4.PNG



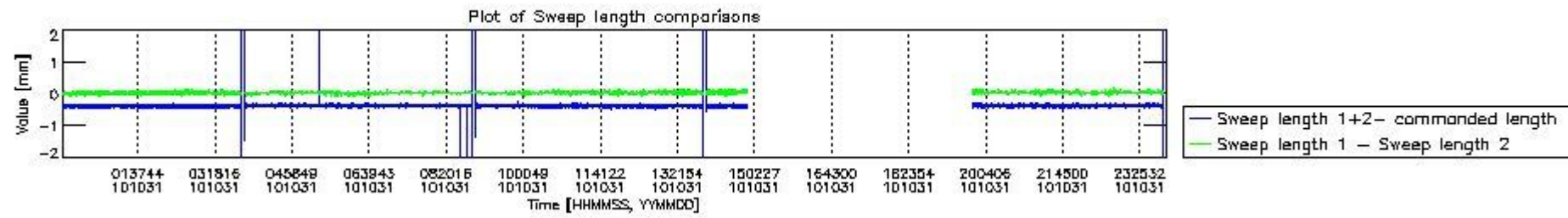
mipas_daily_report_level0_KSPT_L0_4504_N_20101031_5.PNG



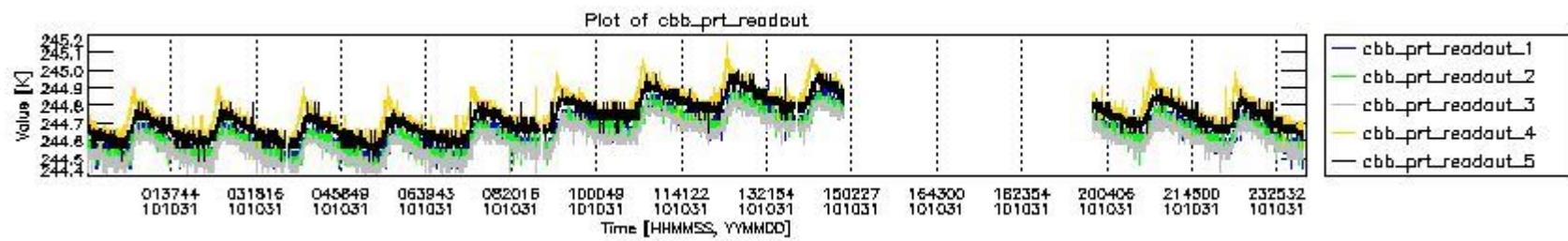
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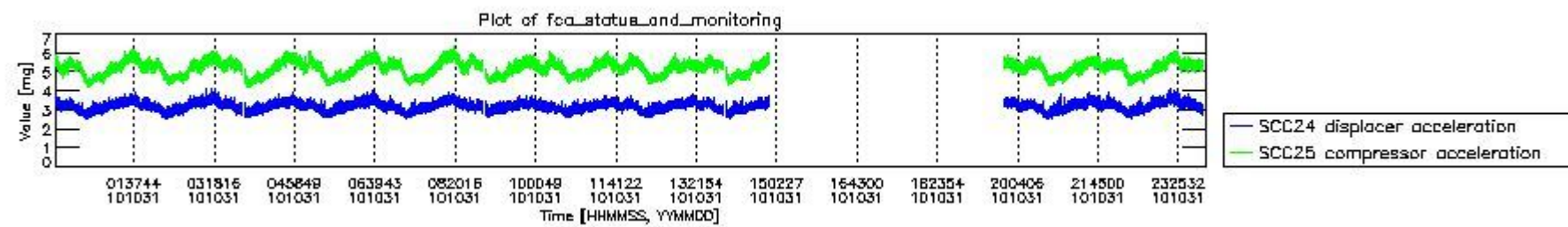
mipas_daily_report_level0_KSPT_L0_4504_N_20101031_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101031_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101031_9.PNG

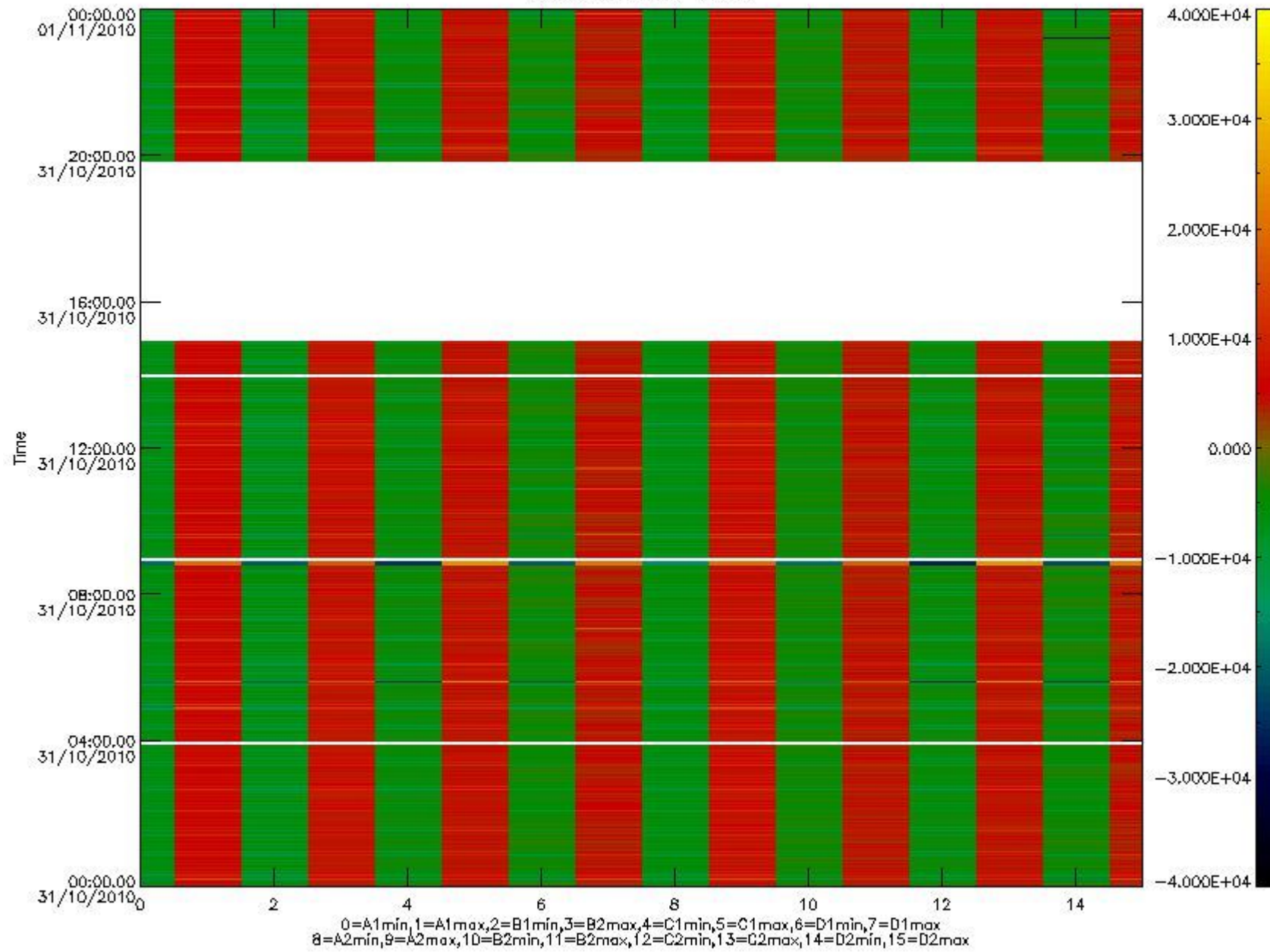


mipas_daily_report_level0_KSPT_L0_4504_N_20101031_10.PNG

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

Channel	Min	Max	ADC
A1	-18677	19907	16bit
B1	-20592	17698	16bit
C1	-25014	24914	16bit
D1	-32768	32767	16bit
A2	-16085	19962	16bit
B2	-18668	18263	16bit
C2	-26033	25638	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_20101031_11.PNG

0.3 ADF monitoring

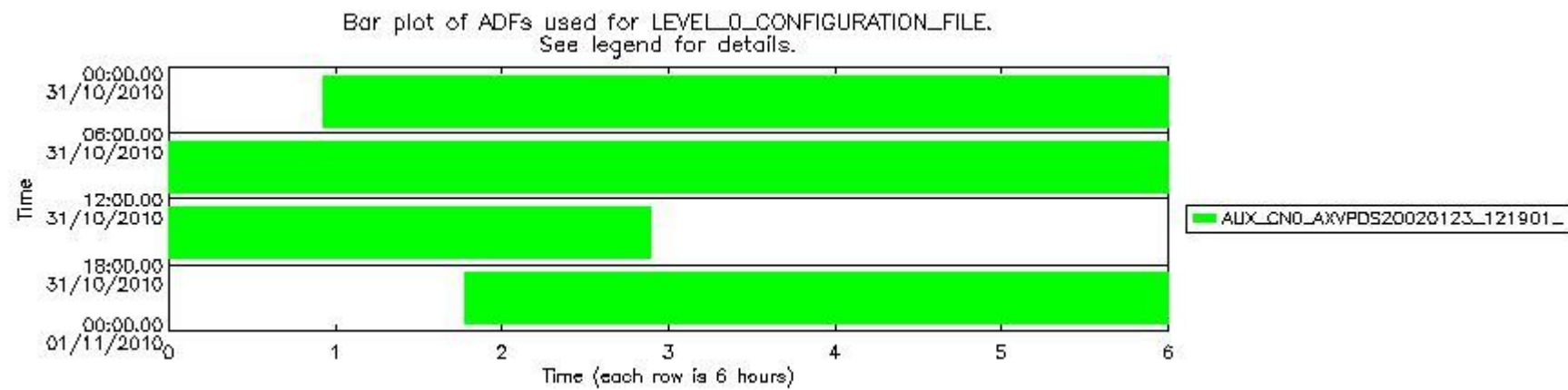
The use of ADFs is shown in two ways:

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.

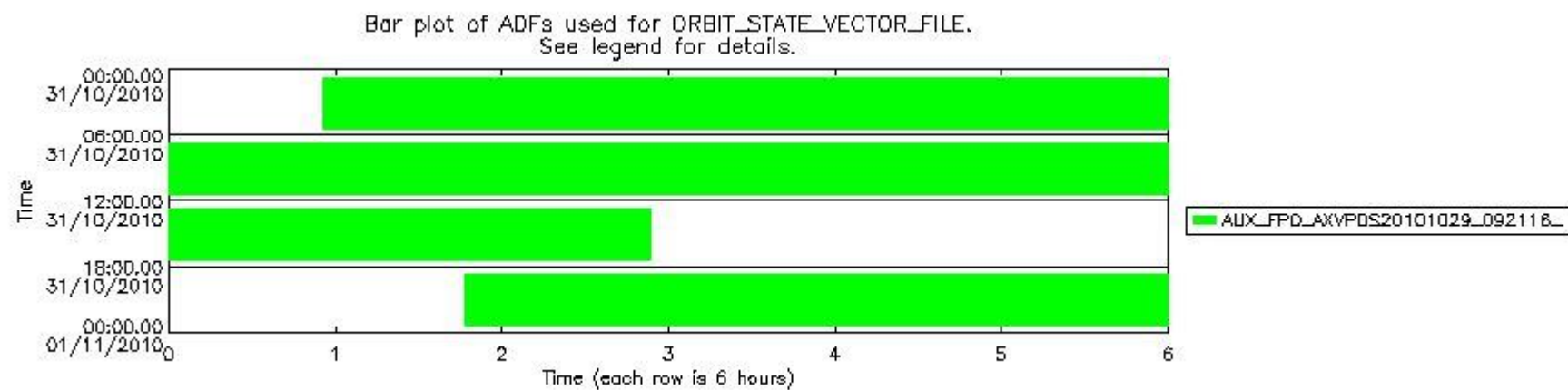
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101029_092116_20101028_194031_20101107_201423

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101031_005524_000102973096_00045_45318_1753.N1	0	1

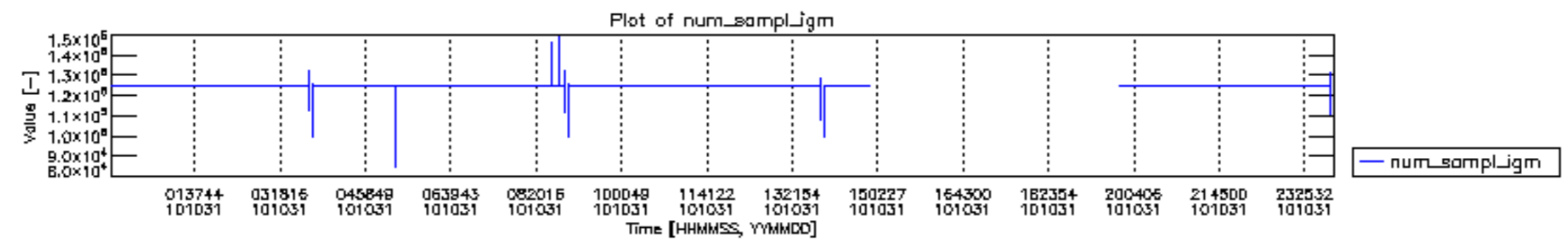
1	MIP_NL__0PNPDE20101031_013902_000076793096_00046_45319_1754.N1	0	1
2	MIP_NL__0PNPDE20101031_034628_000062503096_00047_45320_1756.N1	0	1
3	MIP_NL__0PNPDE20101031_053006_000060033096_00048_45321_1757.N1	0	1
4	MIP_NL__0PNPDK20101031_070937_000040973096_00049_45322_3141.N1	0	1
5	MIP_NL__0PNPDK20101031_081633_000060903096_00050_45323_3142.N1	0	1
6	MIP_NL__0PNPDK20101031_095700_000059453096_00051_45324_3143.N1	0	1
7	MIP_NL__0PNPDK20101031_113507_000061113096_00052_45325_3144.N1	0	1
8	MIP_NL__0PNPDK20101031_131559_000058673096_00053_45326_3145.N1	0	1
9	MIP_NL__0PNPDE20101031_194649_000040903096_00057_45330_1758.N1	0	1
10	MIP_NL__0PNPDE20101031_205401_000063473096_00057_45330_1759.N1	0	1
11	MIP_NL__0PNPDE20101031_223839_000060763096_00058_45331_1760.N1	0	1

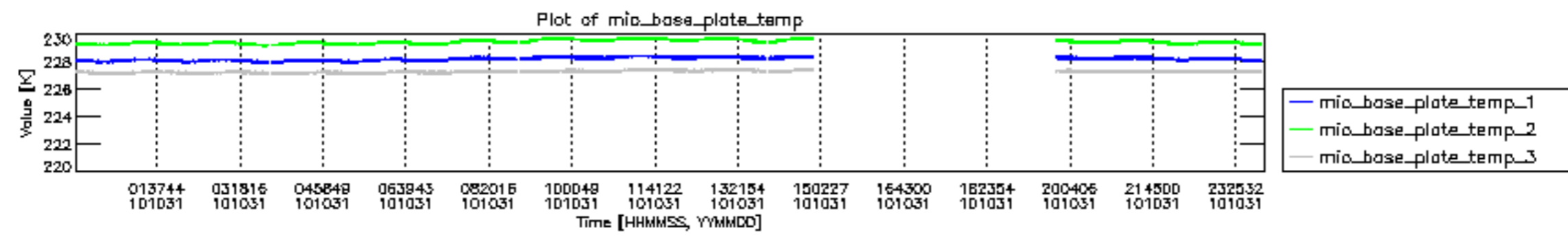


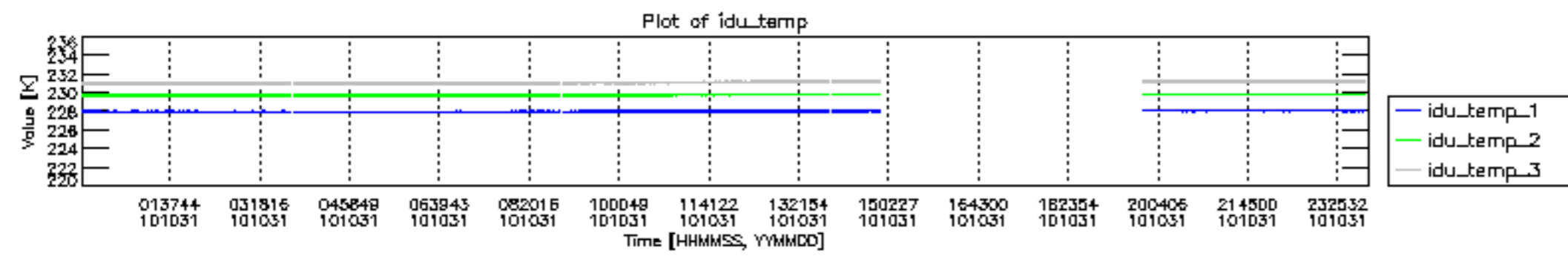
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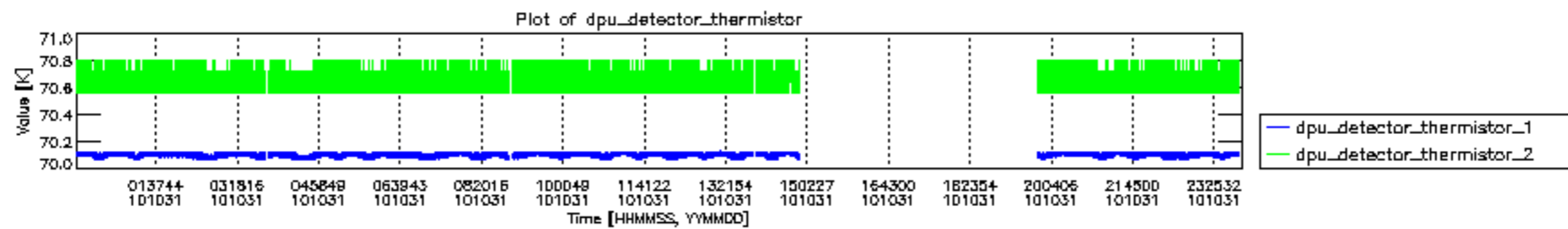


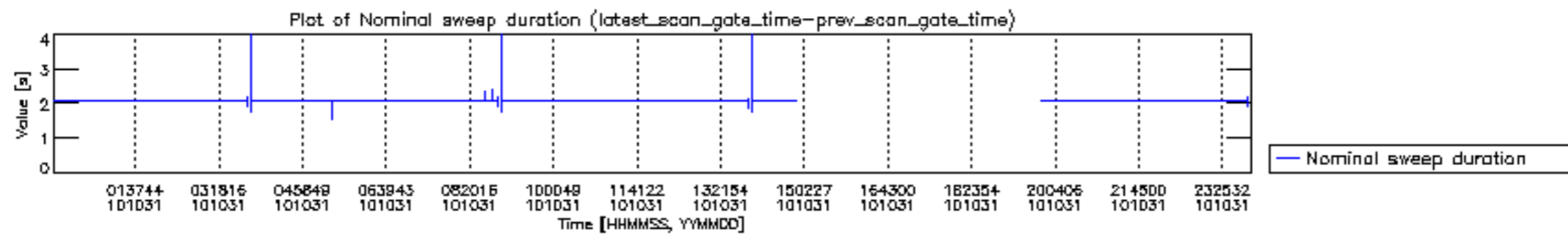
mipas_daily_report_level0_KSPT_L0_4504_N_20101031_13.PNG

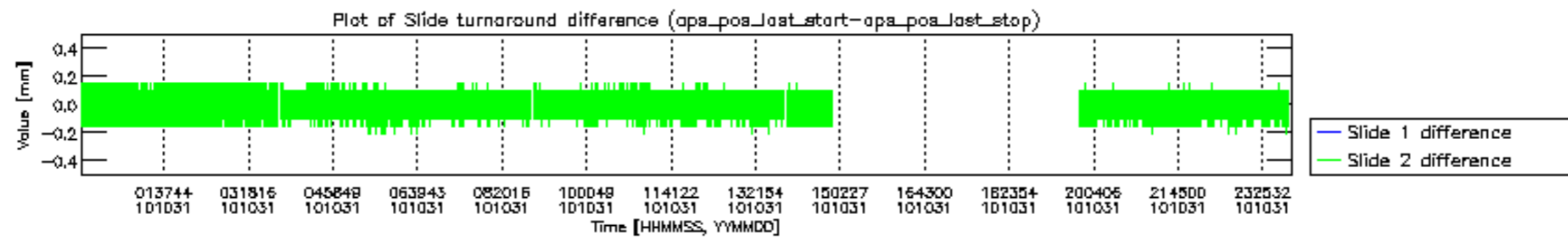


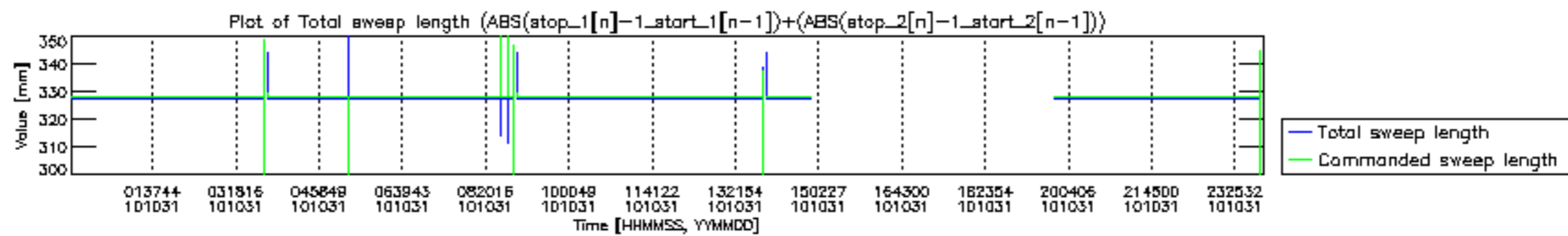


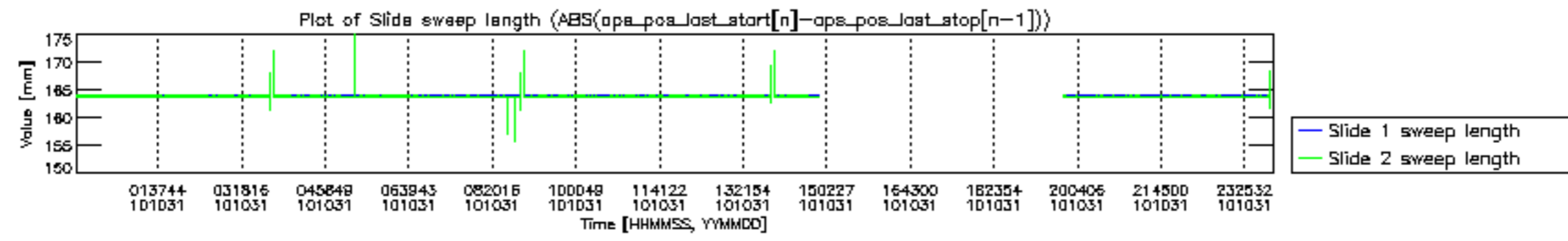


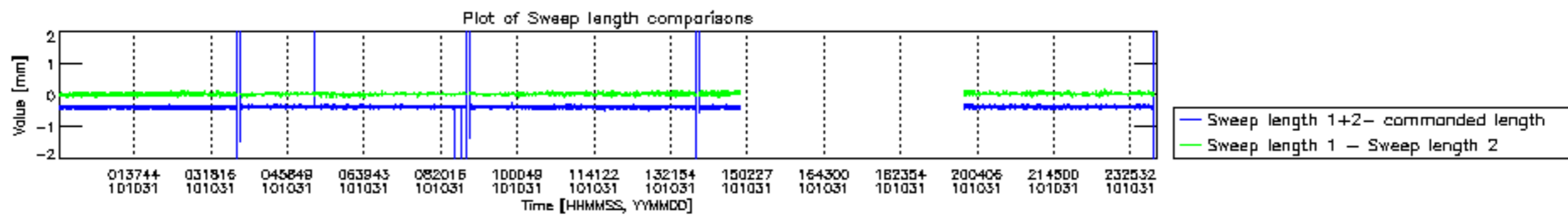


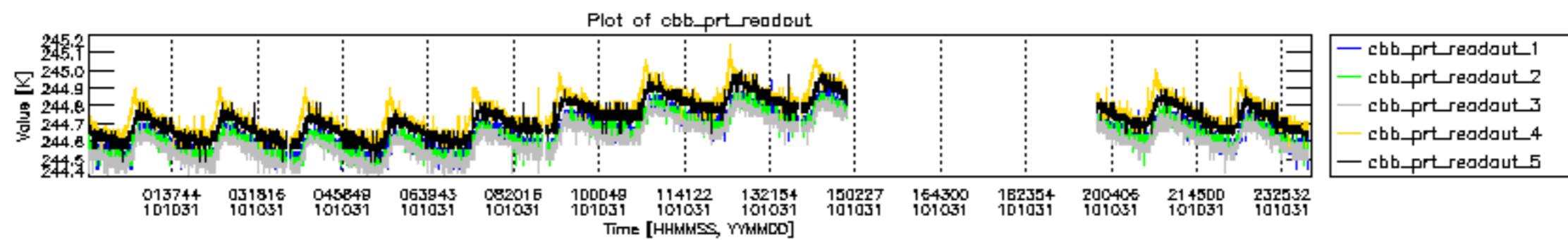


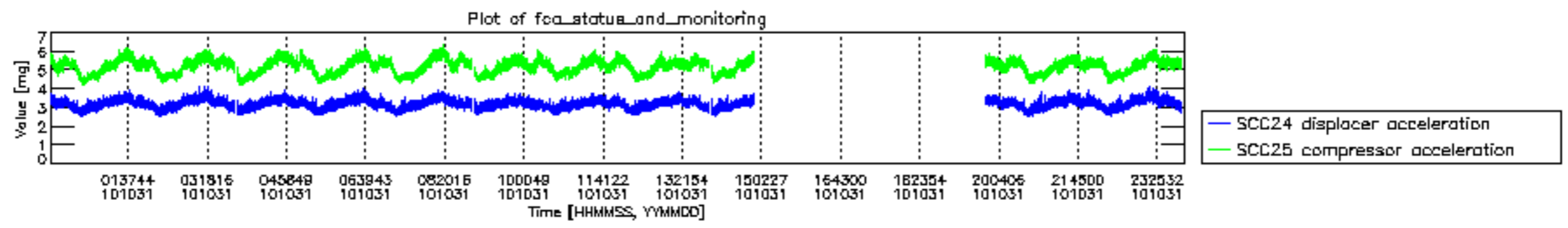












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

