

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	11NOV2011 05:23:30
Data source version	KSPT_L0/4504-N
Processing scope for products	06NOV2011 00:00:00 to 07NOV2011 00:00:00
Start time of first product within scope	06NOV2011 00:59:04
Stop time of last product within scope	07NOV2011 00:22:39
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__0PNPDE20111106_005904_000009453108_00203_50648_9952.N1	06NOV2011 00:59:04	06NOV2011 01:14:49	0	0	0	0	0
1	MIP_NL__0PNPDE20111106_050214_000018713108_00206_50651_9953.N1	06NOV2011 05:02:14	06NOV2011 05:33:26	0	0	0	0	0
2	MIP_NL__0PNPDE20111106_053252_000060523108_00206_50651_9954.N1	06NOV2011 05:32:52	06NOV2011 07:13:44	0	0	0	0	0
3	MIP_NL__0PNPDK20111106_071300_000040303108_00207_50652_7449.N1	06NOV2011 07:13:00	06NOV2011 08:20:10	0	0	0	0	0
4	MIP_NL__0PNPDK20111106_081912_000061133108_00208_50653_7450.N1	06NOV2011 08:19:12	06NOV2011 10:01:04	0	0	0	0	0
5	MIP_NL__0PNPDK20111106_095926_000060753108_00209_50654_7451.N1	06NOV2011 09:59:26	06NOV2011 11:40:41	0	0	0	0	0
6	MIP_NL__0PNPDK20111106_113903_000058813108_00210_50655_7452.N1	06NOV2011 11:39:03	06NOV2011 13:17:03	0	0	0	0	0
7	MIP_NL__0PNPDK20111106_131546_000059753108_00211_50656_7453.N1	06NOV2011 13:15:46	06NOV2011 14:55:21	0	0	0	0	0
8	MIP_NL__0PNPDK20111106_145431_000060463108_00212_50657_7454.N1	06NOV2011 14:54:31	06NOV2011 16:35:16	0	0	0	0	0
9	MIP_NL__0PNPDK20111106_163430_000059203108_00213_50658_7455.N1	06NOV2011 16:34:30	06NOV2011 18:13:11	0	0	0	0	0
10	MIP_NL__0PNPDK20111106_181210_000058793108_00214_50659_7456.N1	06NOV2011 18:12:10	06NOV2011 19:50:09	0	0	0	0	0
11	MIP_NL__0PNPDE20111106_194828_000041223108_00215_50660_9955.N1	06NOV2011 19:48:28	06NOV2011 20:57:10	0	0	0	0	0
12	MIP_NL__0PNPDE20111106_224118_000060813108_00216_50661_9957.N1	06NOV2011 22:41:18	07NOV2011 00:22:39	0	0	0	0	0

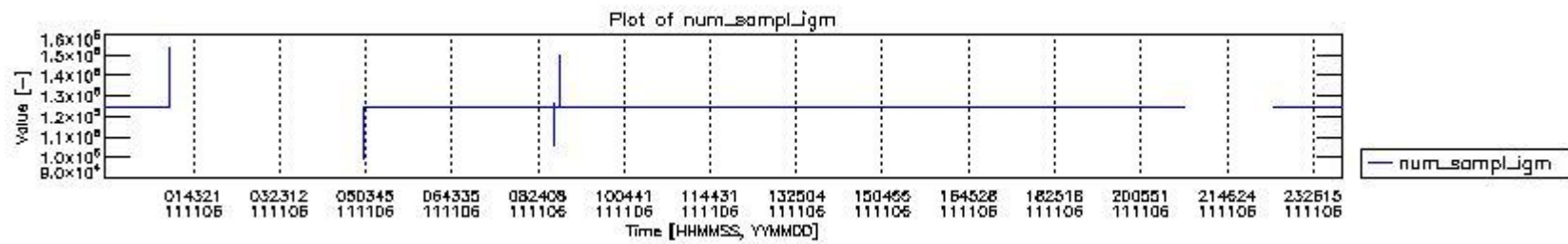
0.2 Instrument Operational Performance Parameters

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.

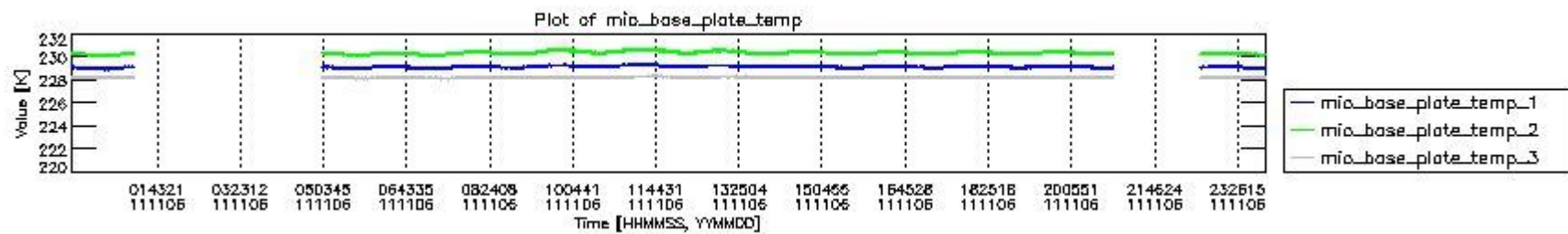
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99516	1	0.0031200275
106195	1	0.0031200275
107722	1	0.0031200275
124736	1	0.0031200275
124768	1	0.0031200275

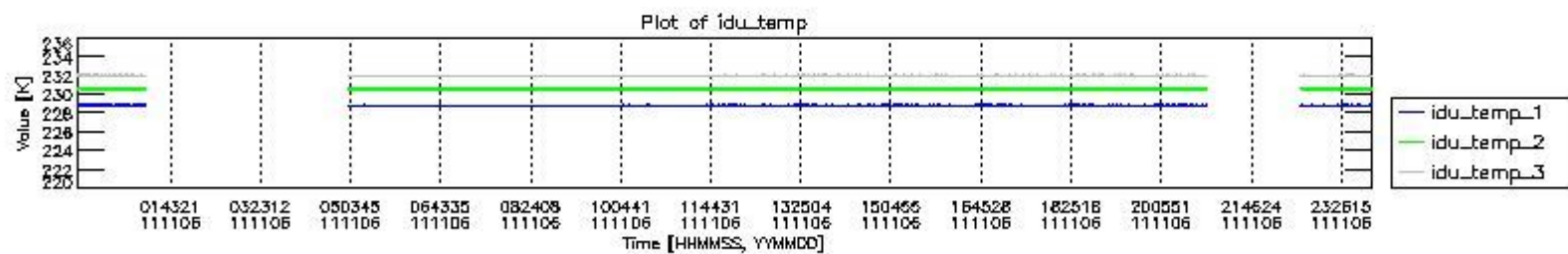
124800	29778	92.908178
124803	2261	7.0543821
126327	1	0.0031200275
127010	1	0.0031200275
129240	1	0.0031200275
147142	1	0.0031200275
149352	1	0.0031200275
149372	1	0.0031200275
153812	1	0.0031200275



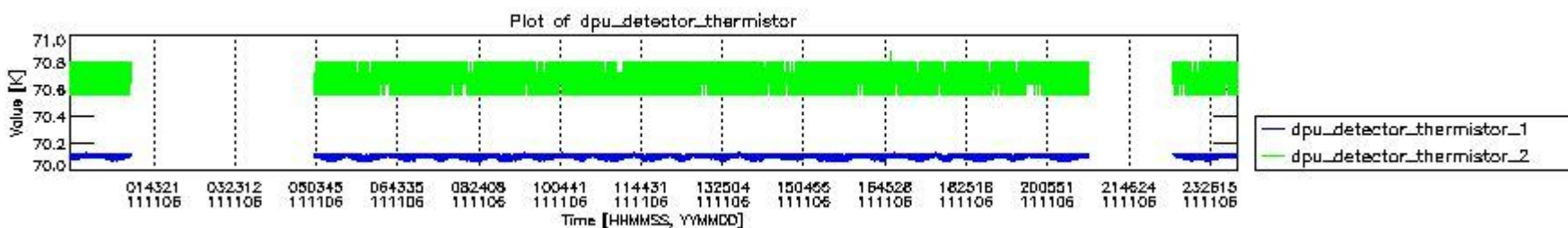
mipas_daily_report_level0_KSPT_L0_4504_N_20111106_0.PNG



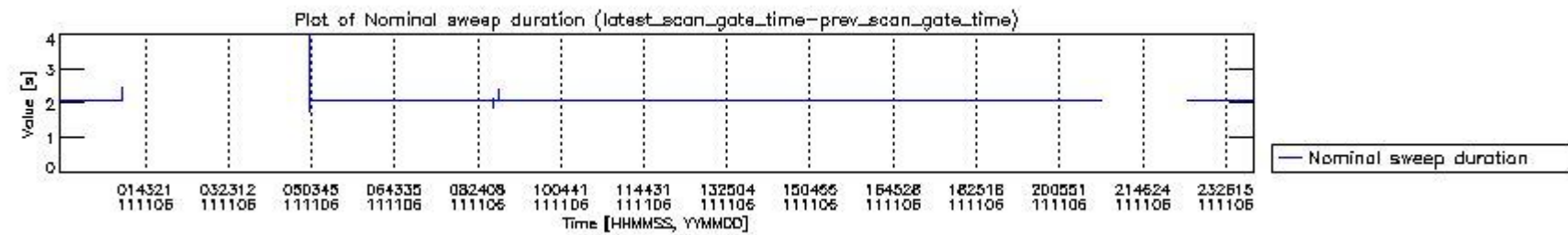
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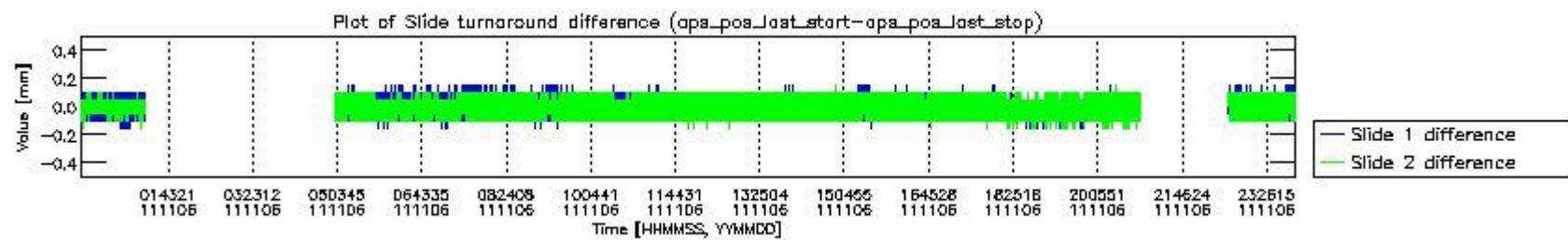
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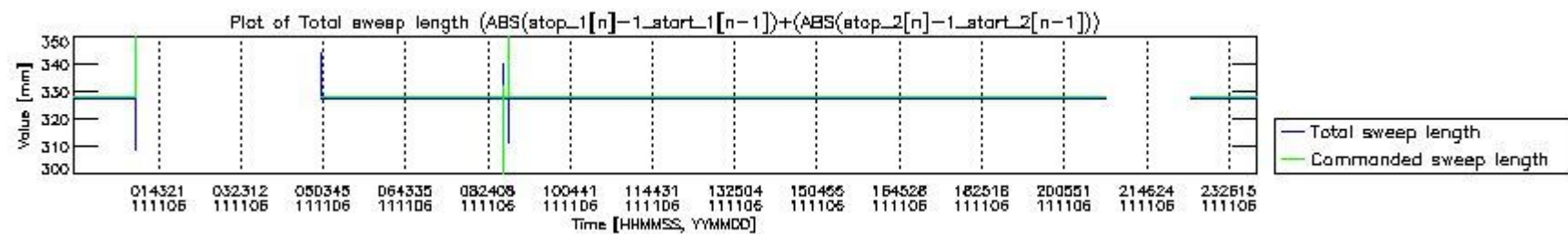
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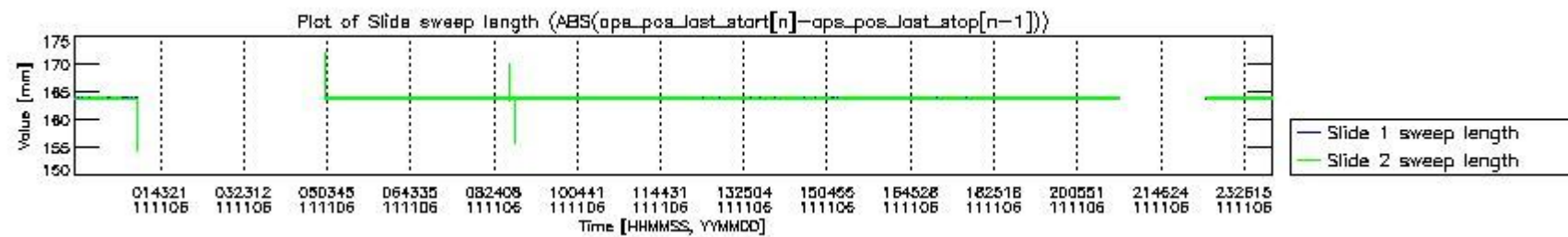
mipas_daily_report_level0_KSPT_L0_4504_N_20111106_4.PNG



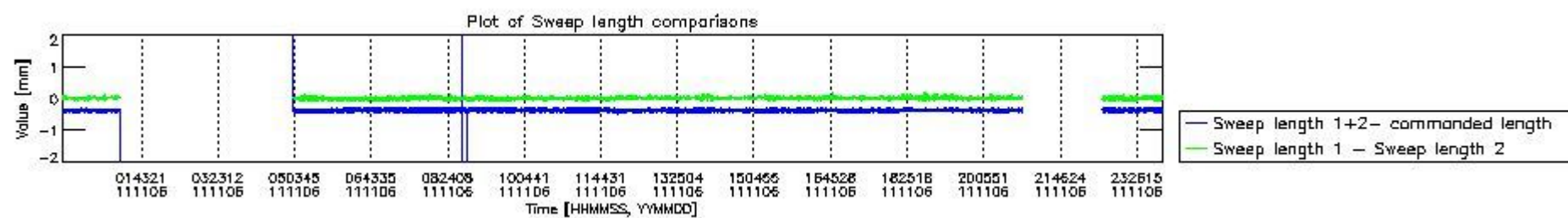
mipas_daily_report_level0_KSPT_L0_4504_N_20111106_5.PNG



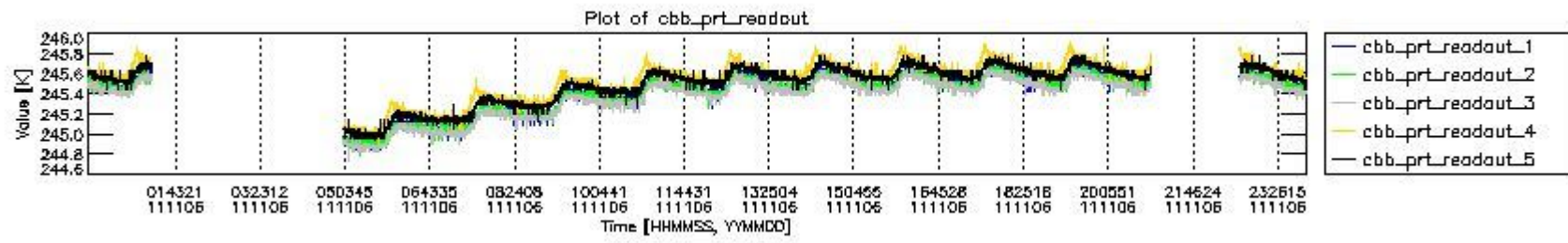
mipas_daily_report_level0_KSPT_L0_4504_N_20111106_6.PNG



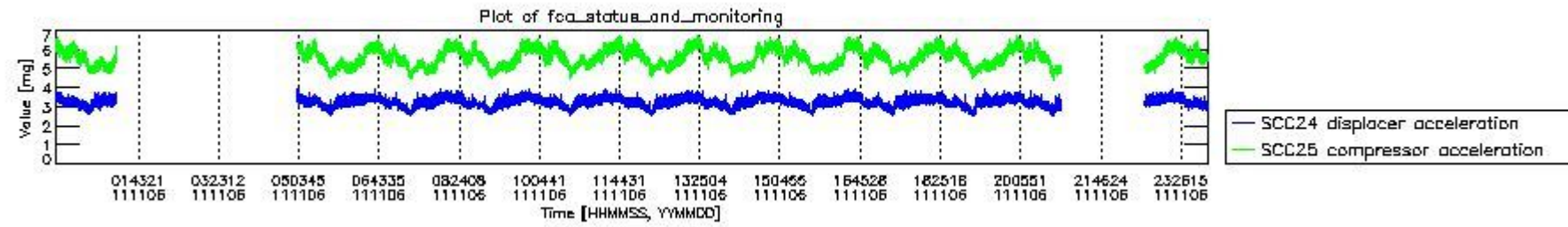
mipas_daily_report_level0_KSPT_L0_4504_N_20111106_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111106_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111106_9.PNG

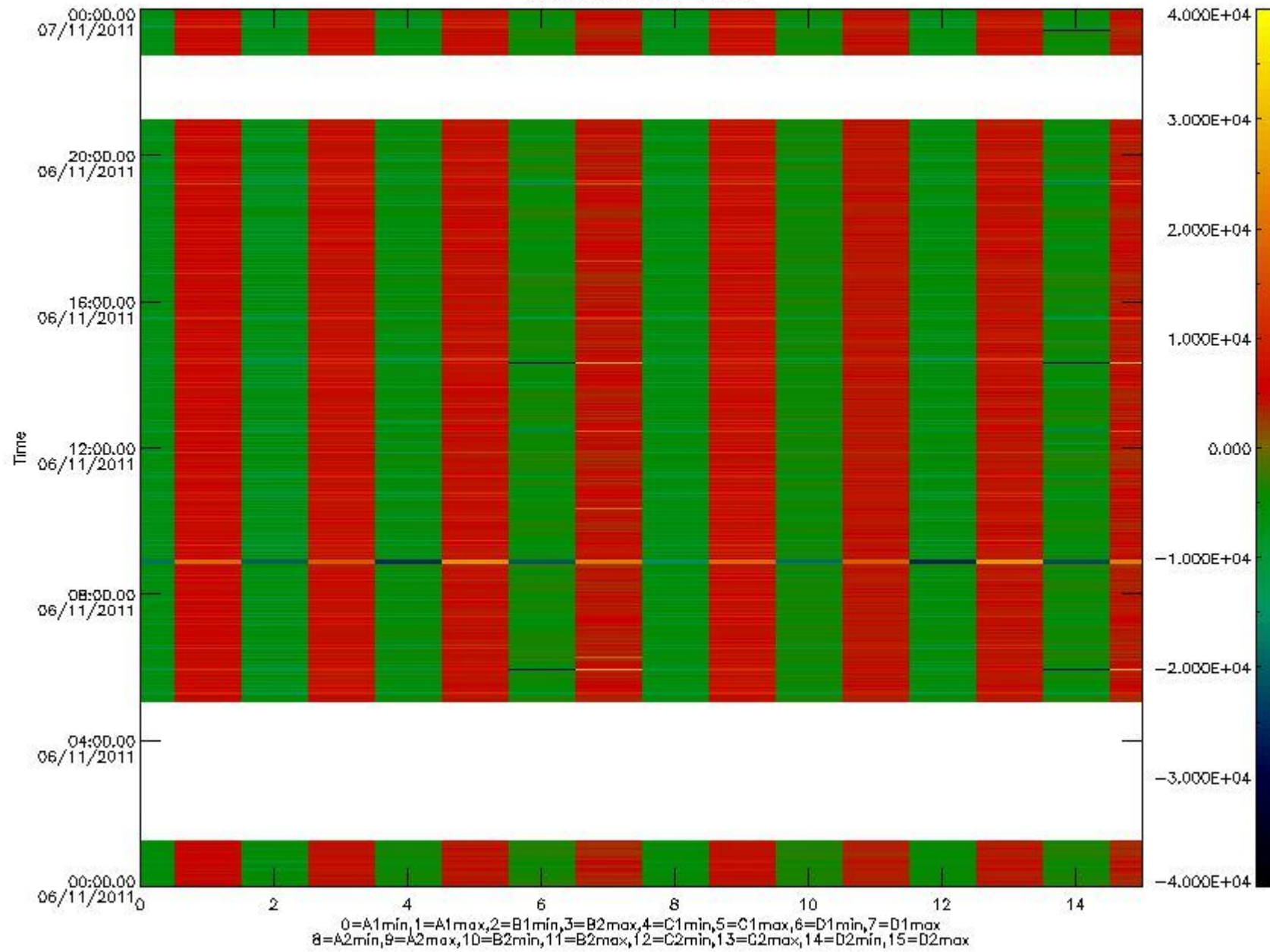


mipas_daily_report_level0_KSPT_L0_4504_N_20111106_10.PNG

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

Channel	Min	Max	ADC
A1	-18459	19591	16bit
B1	-20734	17826	16bit
C1	-25574	25428	16bit
D1	-32768	32767	16bit
A2	-15959	19742	16bit
B2	-18744	18381	16bit
C2	-26567	26229	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_20111106_11.PNG

0.3 ADF monitoring

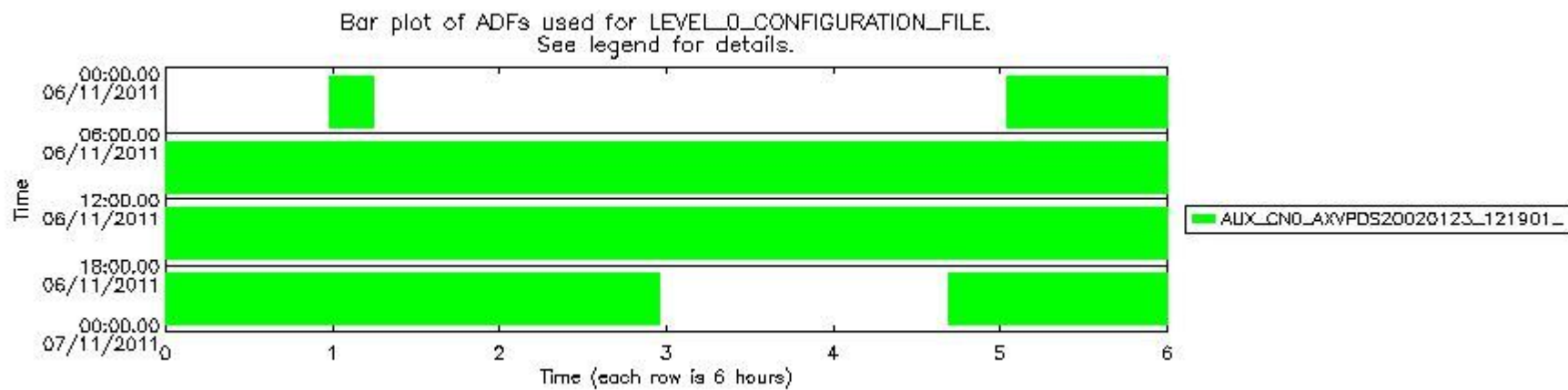
The use of ADFs is shown in two ways:

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.

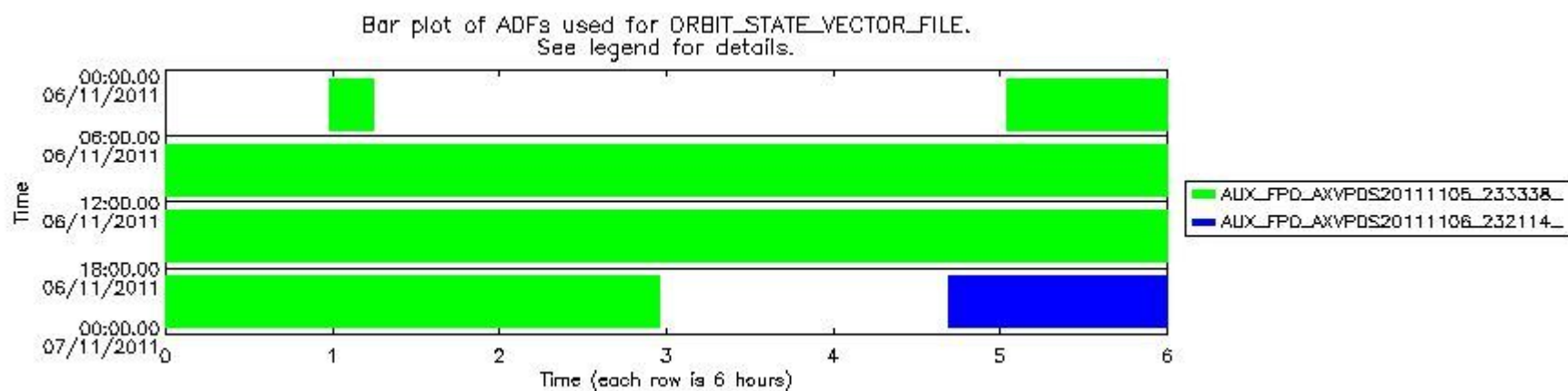
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111105_233338_20111105_114922_20111115_140304
2	AUX_FPO_AXVPDS20111106_232114_20111106_193347_20111116_200714

Number	Product name	#CN0	#FPO
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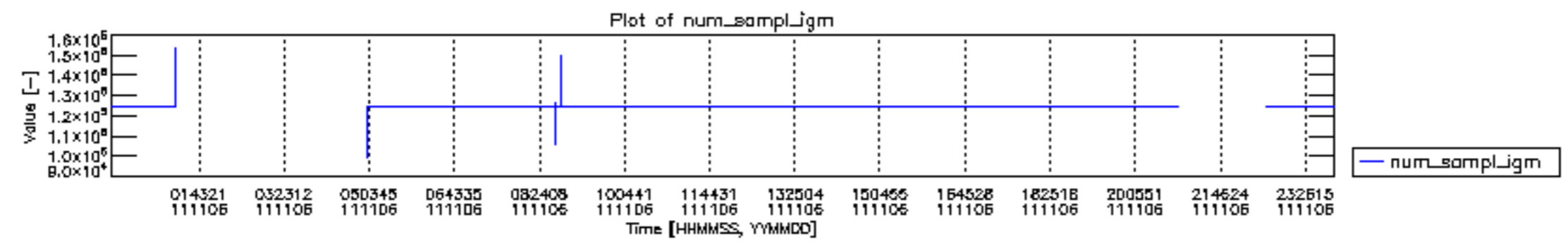
0	MIP_NL__0PNPDE20111106_005904_000009453108_00203_50648_9952.N1	0	1
1	MIP_NL__0PNPDE20111106_050214_000018713108_00206_50651_9953.N1	0	1
2	MIP_NL__0PNPDE20111106_053252_000060523108_00206_50651_9954.N1	0	1
3	MIP_NL__0PNPDK20111106_071300_000040303108_00207_50652_7449.N1	0	1
4	MIP_NL__0PNPDK20111106_081912_000061133108_00208_50653_7450.N1	0	1
5	MIP_NL__0PNPDK20111106_095926_000060753108_00209_50654_7451.N1	0	1
6	MIP_NL__0PNPDK20111106_113903_000058813108_00210_50655_7452.N1	0	1
7	MIP_NL__0PNPDK20111106_131546_000059753108_00211_50656_7453.N1	0	1
8	MIP_NL__0PNPDK20111106_145431_000060463108_00212_50657_7454.N1	0	1
9	MIP_NL__0PNPDK20111106_163430_000059203108_00213_50658_7455.N1	0	1
10	MIP_NL__0PNPDK20111106_181210_000058793108_00214_50659_7456.N1	0	1
11	MIP_NL__0PNPDE20111106_194828_000041223108_00215_50660_9955.N1	0	1
12	MIP_NL__0PNPDE20111106_224118_000060813108_00216_50661_9957.N1	0	2

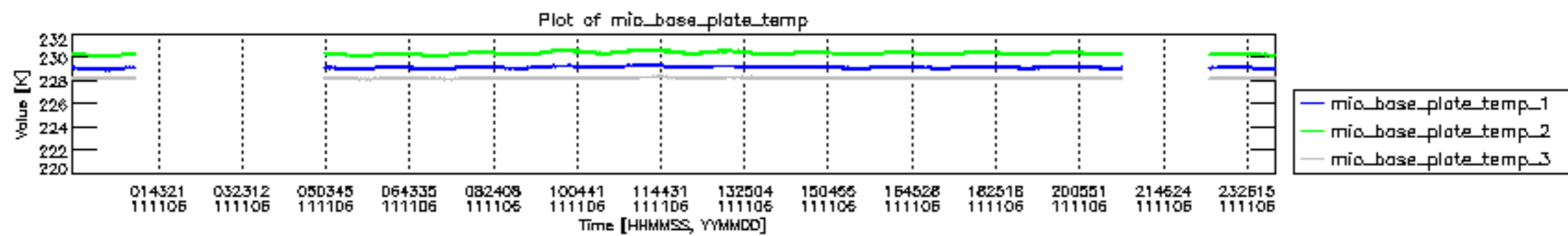


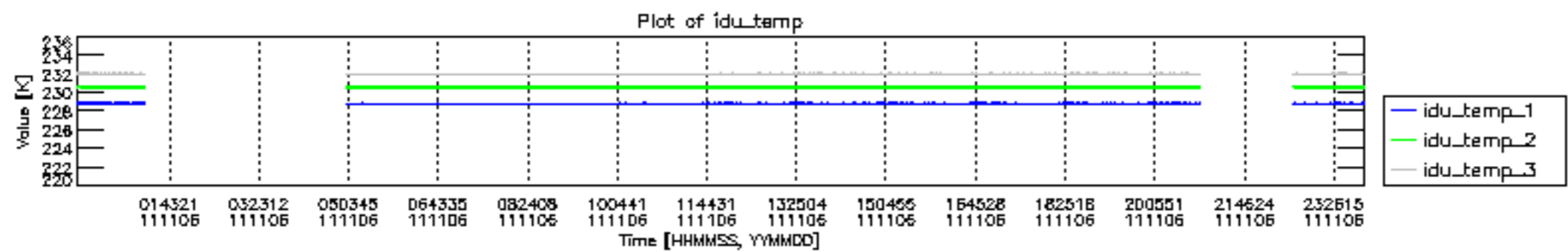
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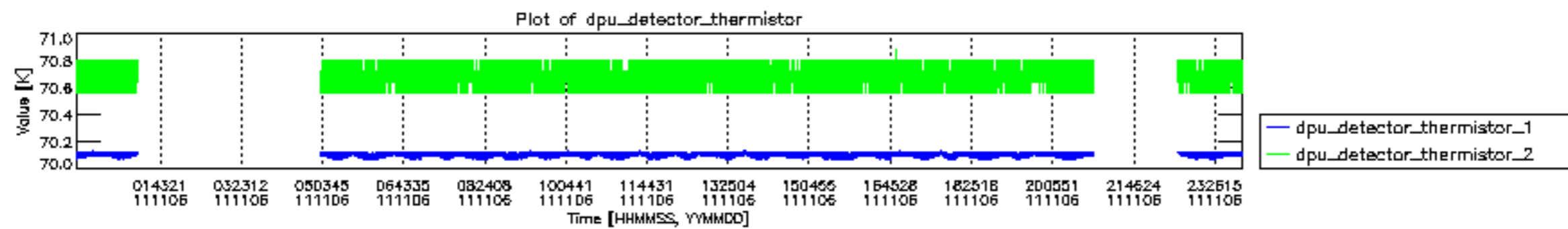


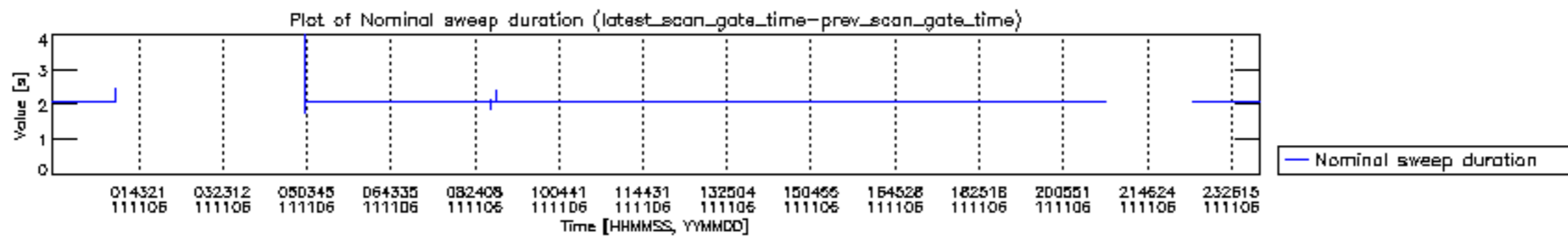
mipas_daily_report_level0_KSPT_L0_4504_N_20111106_13.PNG

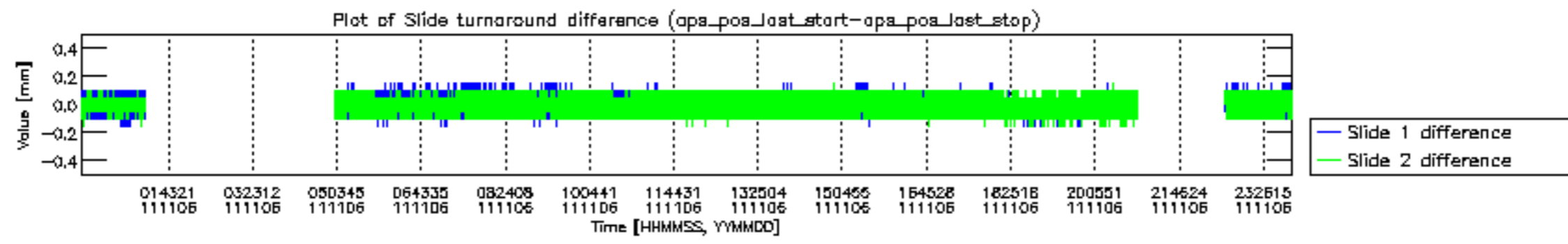


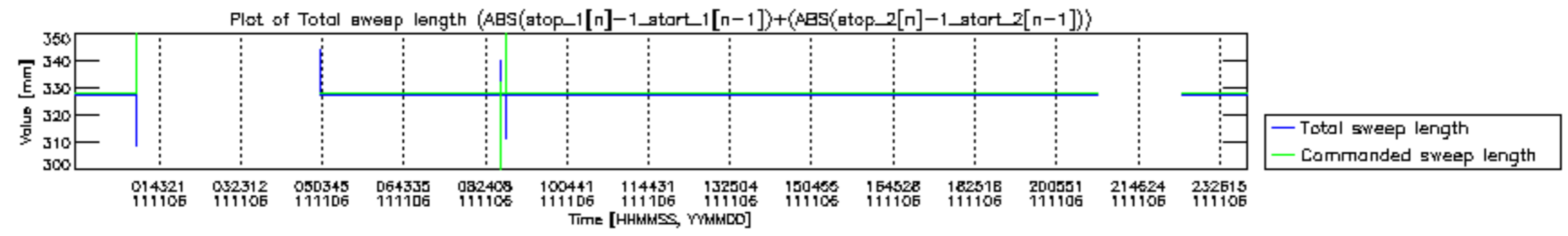


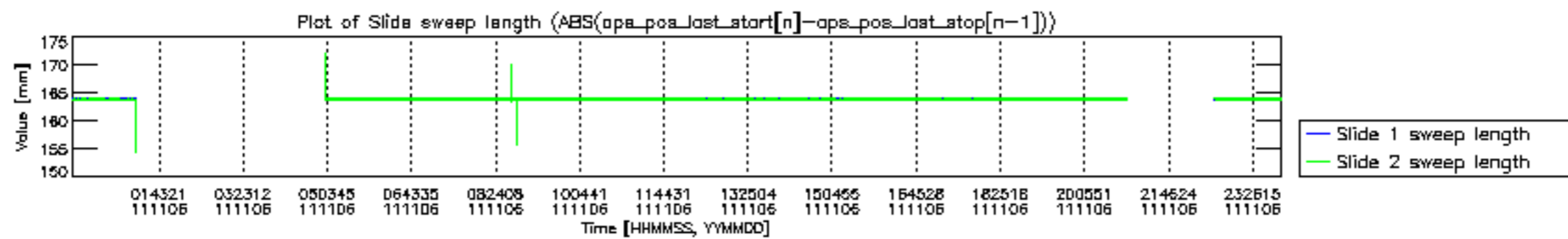


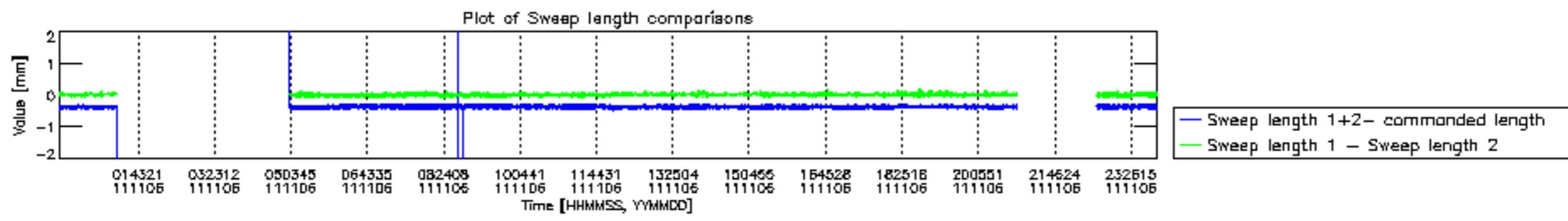


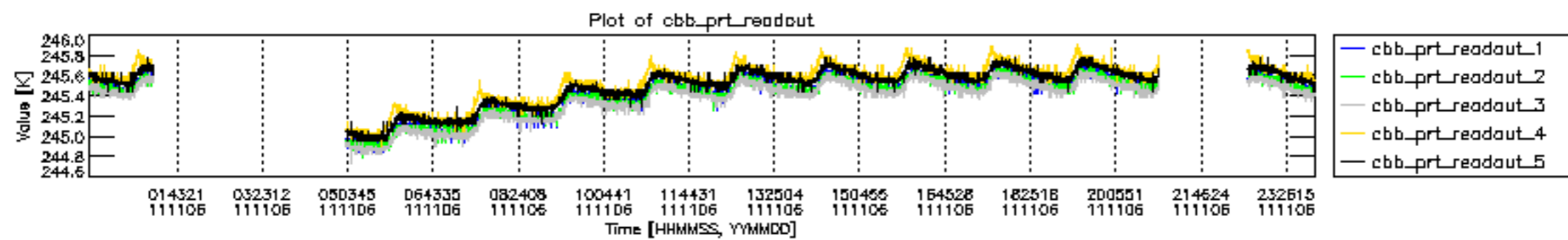


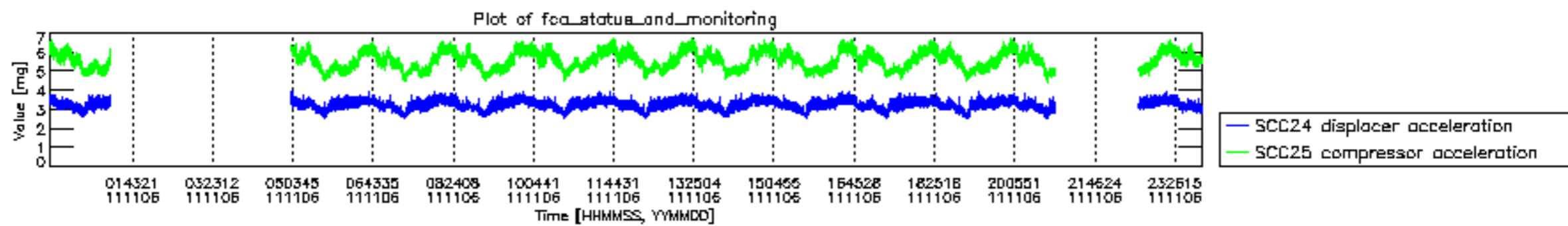












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

