

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	02AUG2011 05:24:05
Data source version	KSPT_L0/4504-N
Processing scope for products	28JUL2011 00:00:00 to 29JUL2011 00:00:00
Start time of first product within scope	28JUL2011 01:02:51
Stop time of last product within scope	28JUL2011 22:46:11
Total number of level 0 products	14
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__0PNPDE20110728_010251_000102113105_00045_49197_9321.N1	28JUL2011 01:02:51	28JUL2011 03:53:01	0	0	0	0	0
1	MIP_NL__0PNPDE20110728_012119_000013893105_00046_49198_9324.N1	28JUL2011 01:21:19	28JUL2011 01:44:29	0	0	0	0	0
2	MIP_NL__0PNPDE20110728_014431_000077113105_00046_49198_9325.N1	28JUL2011 01:44:31	28JUL2011 03:53:01	0	0	0	0	0
3	MIP_NL__0PNPDE20110728_035226_000061943105_00047_49199_9322.N1	28JUL2011 03:52:26	28JUL2011 05:35:40	0	0	0	0	0
4	MIP_NL__0PNPDK20110728_071445_000040673105_00049_49201_5888.N1	28JUL2011 07:14:45	28JUL2011 08:22:33	0	0	0	0	0
5	MIP_NL__0PNPDK20110728_082159_000061613105_00050_49202_5889.N1	28JUL2011 08:21:59	28JUL2011 10:04:40	0	0	0	0	0
6	MIP_NL__0PNPDK20110728_100356_000059783105_00051_49203_5890.N1	28JUL2011 10:03:56	28JUL2011 11:43:34	0	0	0	0	0
7	MIP_NL__0PNPDK20110728_114250_000059313105_00052_49204_5891.N1	28JUL2011 11:42:50	28JUL2011 13:21:41	0	0	0	0	0
8	MIP_NL__0PNPDK20110728_132108_000059523105_00053_49205_5892.N1	28JUL2011 13:21:08	28JUL2011 15:00:19	0	0	0	0	0
9	MIP_NL__0PNPDK20110728_145938_000058223105_00054_49206_5893.N1	28JUL2011 14:59:38	28JUL2011 16:36:40	0	0	0	0	0
10	MIP_NL__0PNPDK20110728_163554_000059063105_00055_49207_5894.N1	28JUL2011 16:35:54	28JUL2011 18:14:20	0	0	0	0	0
11	MIP_NL__0PNPDK20110728_181325_000060503105_00056_49208_5895.N1	28JUL2011 18:13:25	28JUL2011 19:54:15	0	0	0	0	0
12	MIP_NL__0PNPDE20110728_195310_000039383105_00057_49209_9326.N1	28JUL2011 19:53:10	28JUL2011 20:58:48	0	0	0	0	0
13	MIP_NL__0PNPDE20110728_205712_000065393105_00057_49209_9327.N1	28JUL2011 20:57:12	28JUL2011 22:46:11	0	0	0	0	0

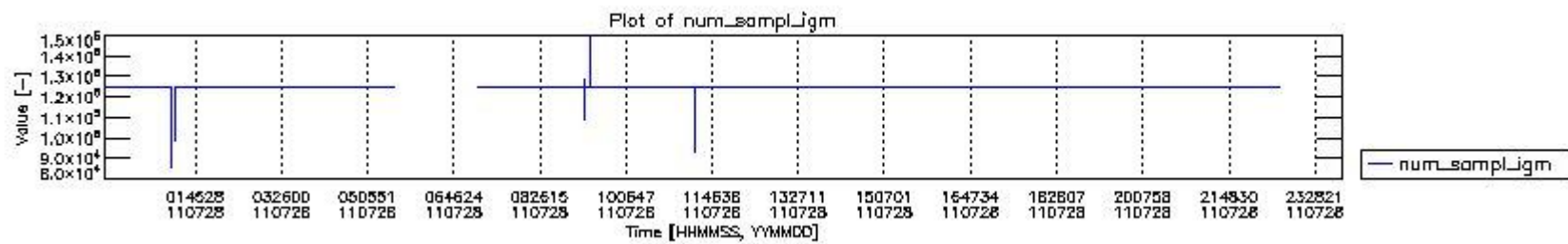
0.2 Instrument Operational Performance Parameters

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.

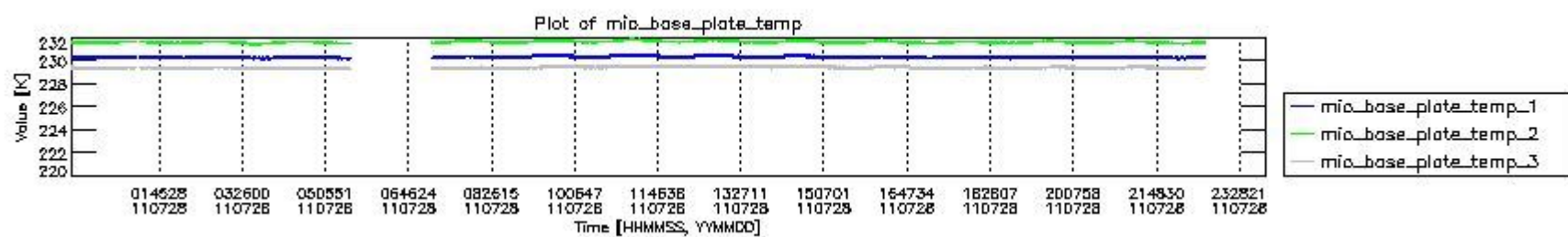
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
85866	1	0.0027419797
92704	1	0.0027419797
95267	1	0.0027419797
98686	1	0.0027419797

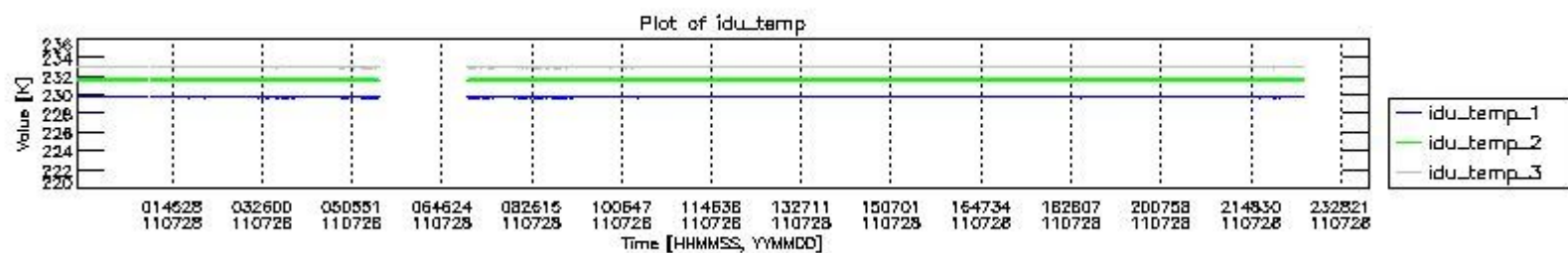
98847	1	0.0027419797
108722	1	0.0027419797
112776	1	0.0027419797
115399	1	0.0027419797
118818	1	0.0027419797
123398	1	0.0027419797
124099	1	0.0027419797
124800	33905	92.966822
124803	2550	6.9920483
127233	1	0.0027419797
128854	1	0.0027419797
147365	1	0.0027419797
149798	1	0.0027419797



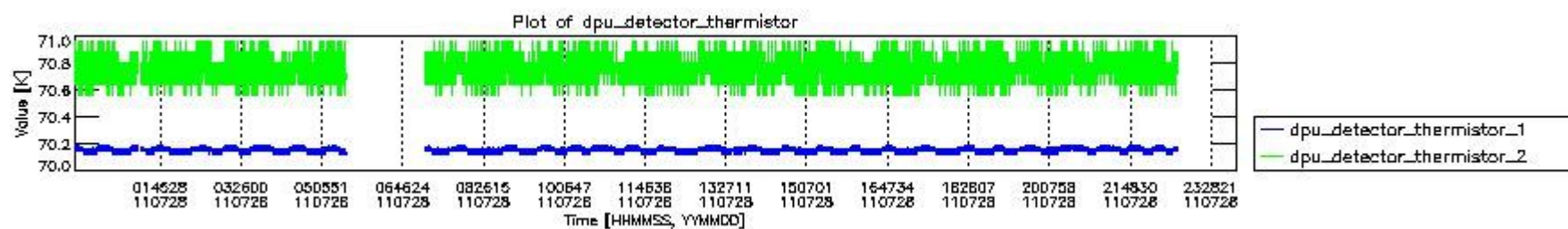
mipas_daily_report_level0_KSPT_L0_4504_N_20110728_0.PNG



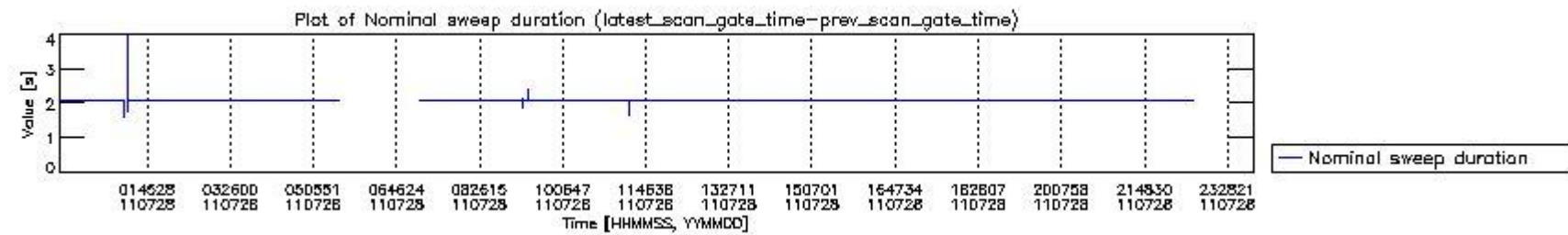
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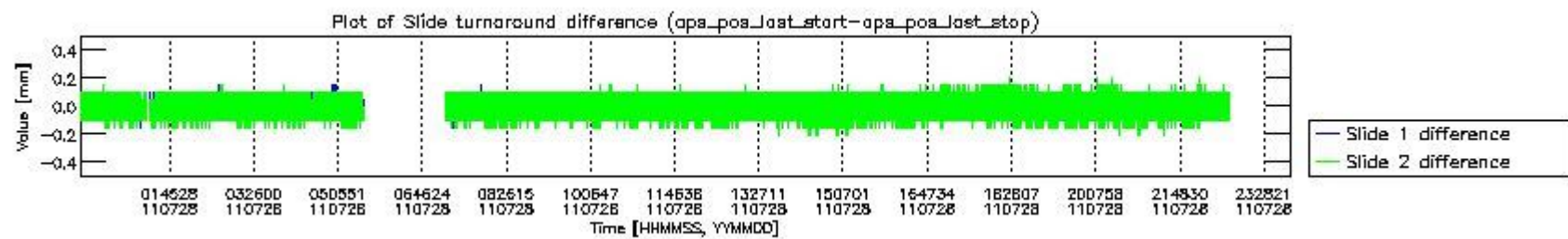
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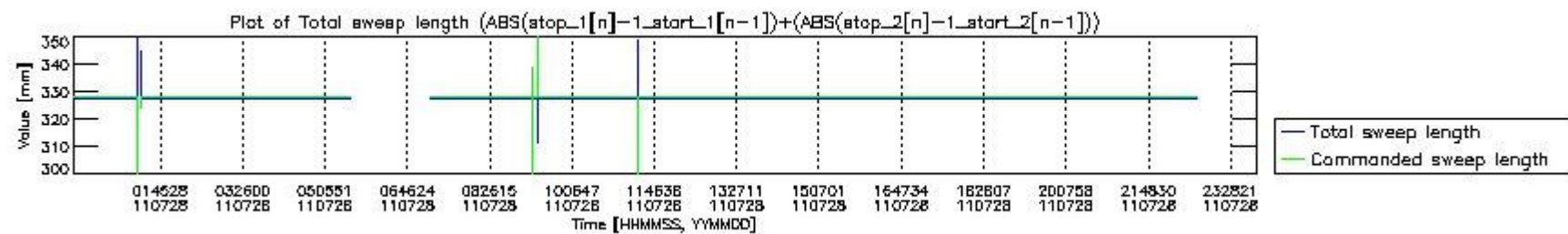
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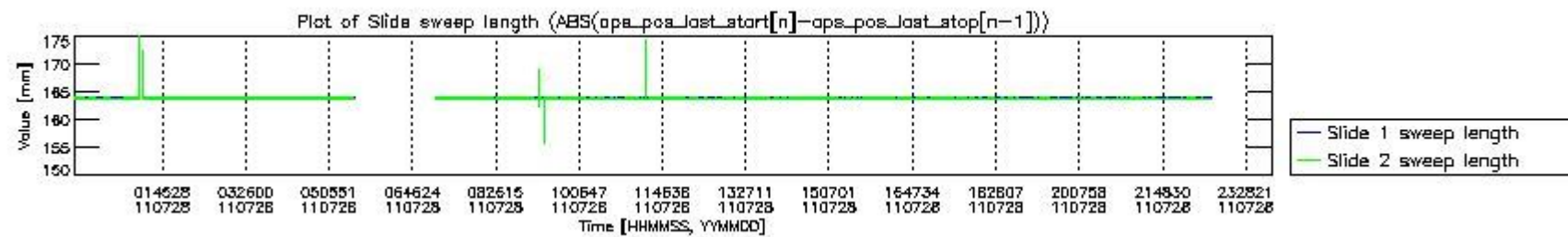
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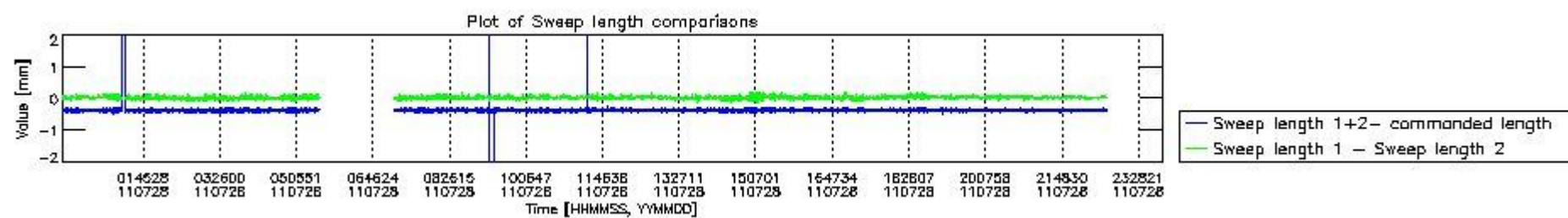
mipas_daily_report_level0_KSPT_L0_4504_N_20110728_5.PNG



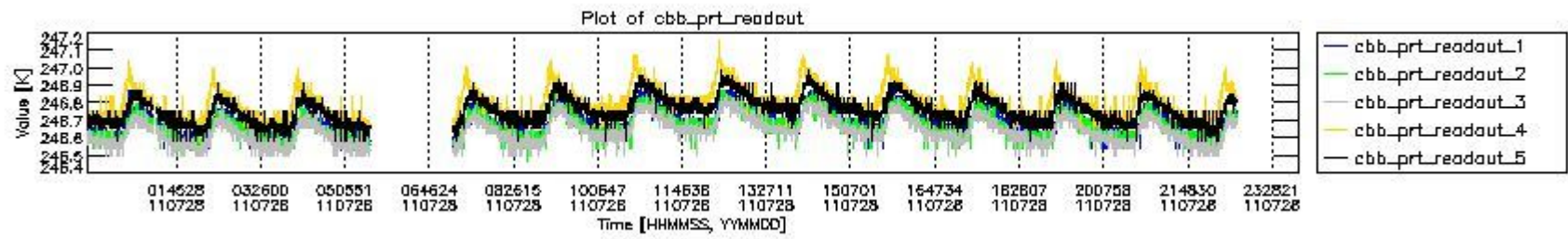
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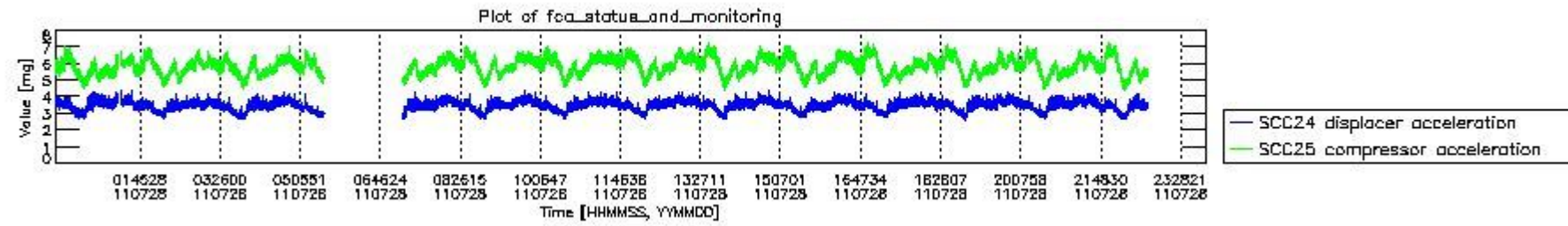
mipas_daily_report_level0_KSPT_L0_4504_N_20110728_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110728_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110728_9.PNG

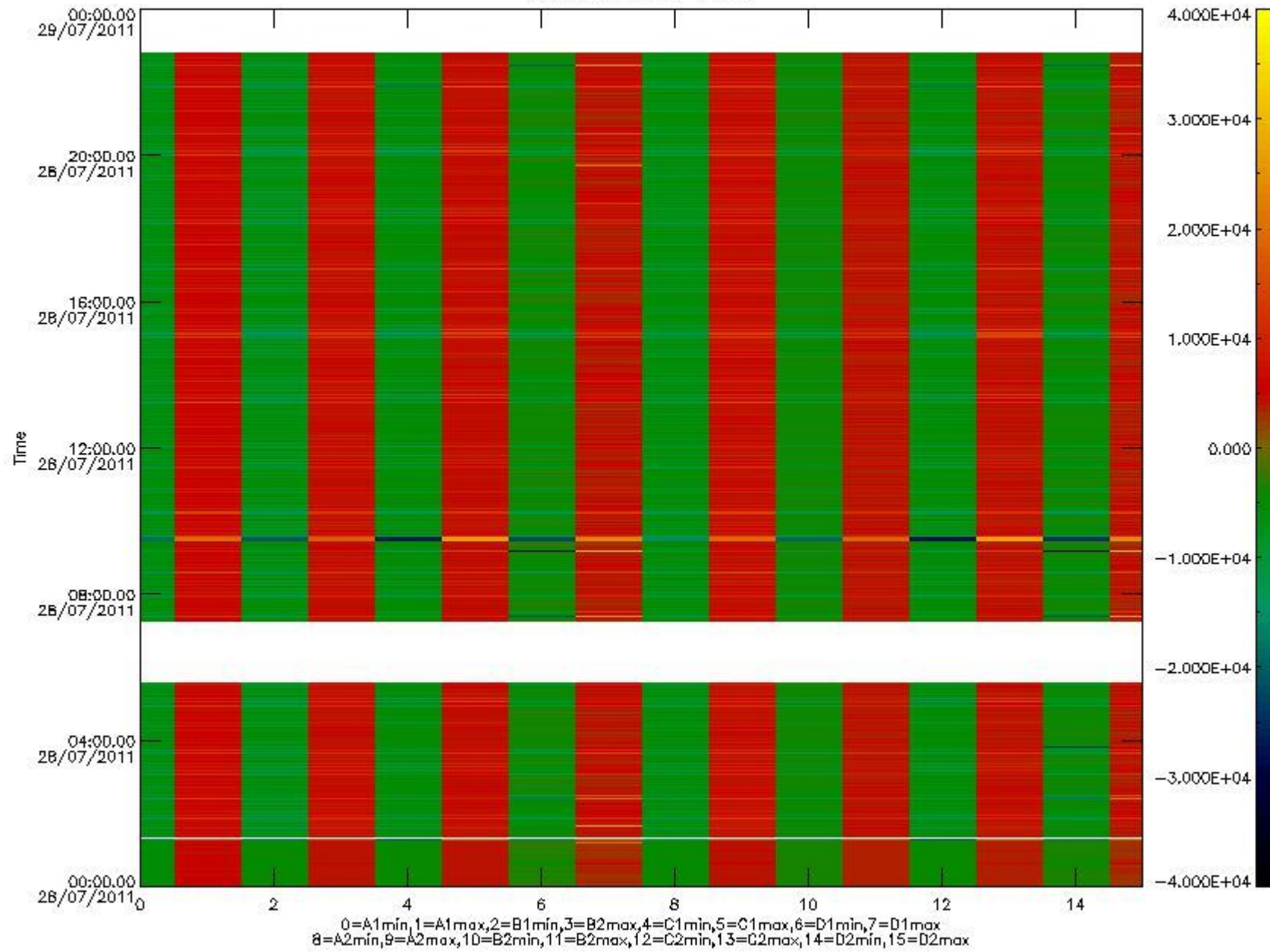


mipas_daily_report_level0_KSPT_L0_4504_N_20110728_10.PNG

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

Channel	Min	Max	ADC
A1	-18755	19744	16bit
B1	-21287	18253	16bit
C1	-26992	26823	16bit
D1	-32768	32767	16bit
A2	-16092	19930	16bit
B2	-19588	19166	16bit
C2	-28083	27645	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_20110728_11.PNG

0.3 ADF monitoring

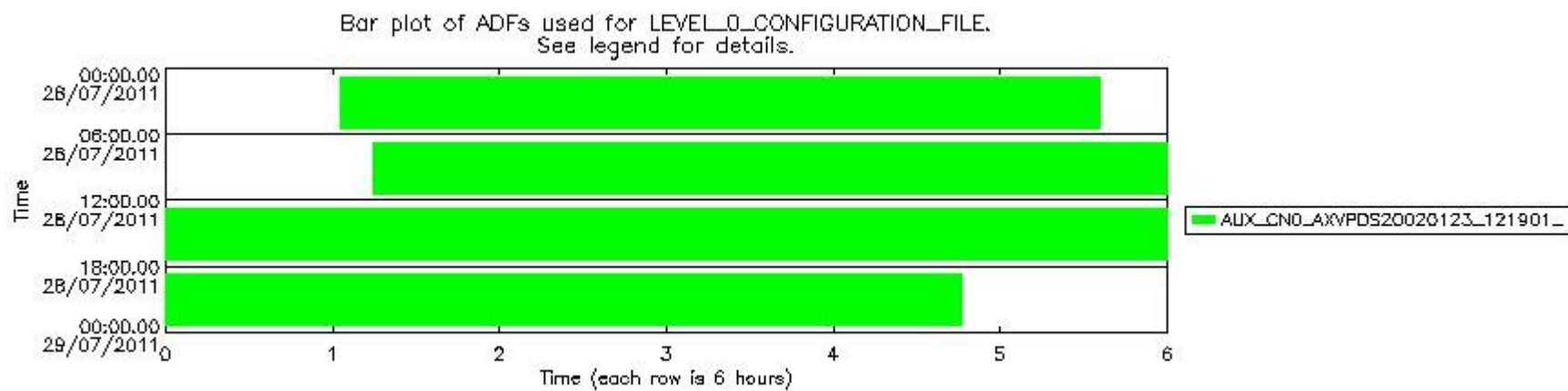
The use of ADFs is shown in two ways:

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.

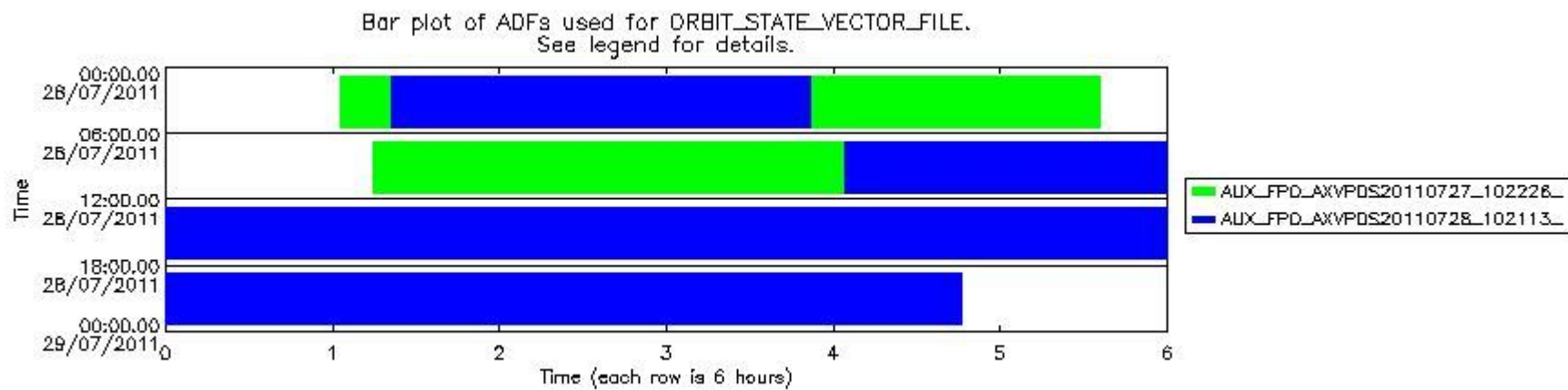
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110727_102226_20110726_190919_20110805_212306
2	AUX_FPO_AXVPDS20110728_102113_20110727_183235_20110806_204621

Number	Product name	#CN0	#FPO
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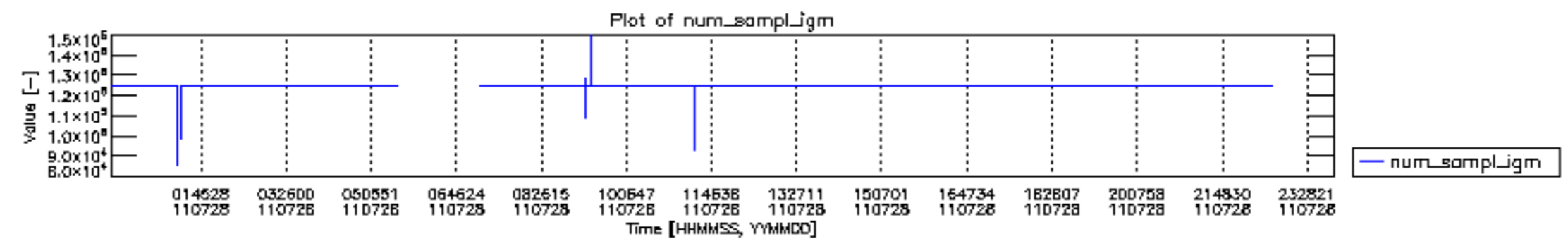
0	MIP_NL__0PNPDE20110728_010251_000102113105_00045_49197_9321.N1	0	1
1	MIP_NL__0PNPDE20110728_012119_000013893105_00046_49198_9324.N1	0	2
2	MIP_NL__0PNPDE20110728_014431_000077113105_00046_49198_9325.N1	0	2
3	MIP_NL__0PNPDE20110728_035226_000061943105_00047_49199_9322.N1	0	1
4	MIP_NL__0PNPDK20110728_071445_000040673105_00049_49201_5888.N1	0	1
5	MIP_NL__0PNPDK20110728_082159_000061613105_00050_49202_5889.N1	0	1
6	MIP_NL__0PNPDK20110728_100356_000059783105_00051_49203_5890.N1	0	2
7	MIP_NL__0PNPDK20110728_114250_000059313105_00052_49204_5891.N1	0	2
8	MIP_NL__0PNPDK20110728_132108_000059523105_00053_49205_5892.N1	0	2
9	MIP_NL__0PNPDK20110728_145938_000058223105_00054_49206_5893.N1	0	2
10	MIP_NL__0PNPDK20110728_163554_000059063105_00055_49207_5894.N1	0	2
11	MIP_NL__0PNPDK20110728_181325_000060503105_00056_49208_5895.N1	0	2
12	MIP_NL__0PNPDE20110728_195310_000039383105_00057_49209_9326.N1	0	2
13	MIP_NL__0PNPDE20110728_205712_000065393105_00057_49209_9327.N1	0	2

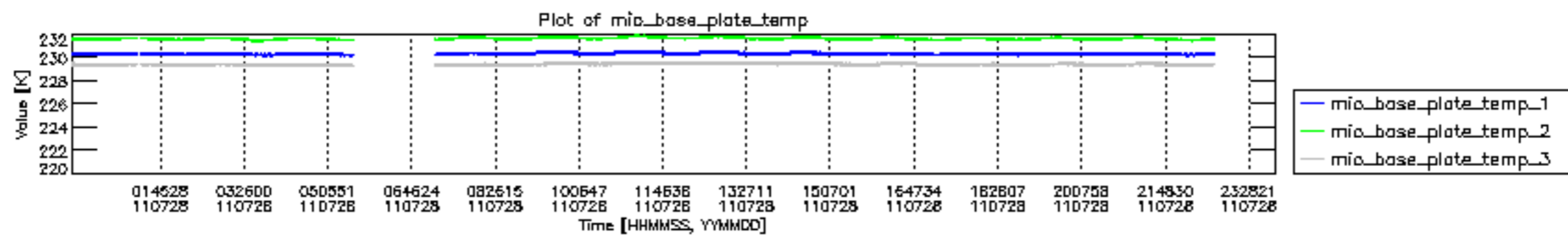


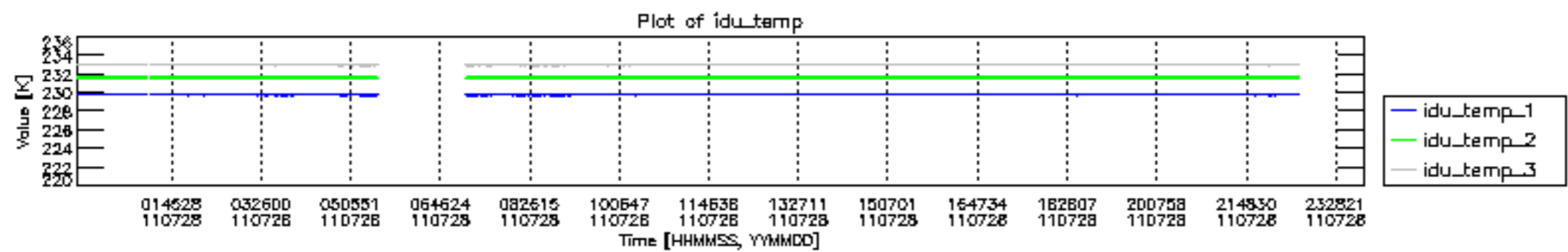
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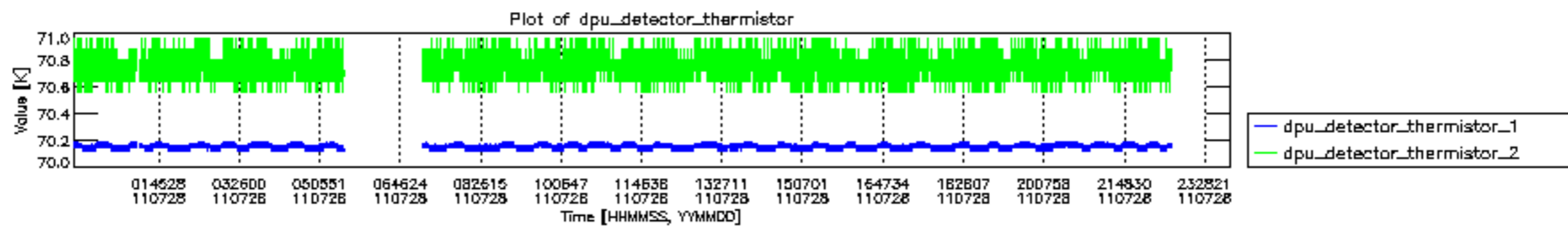


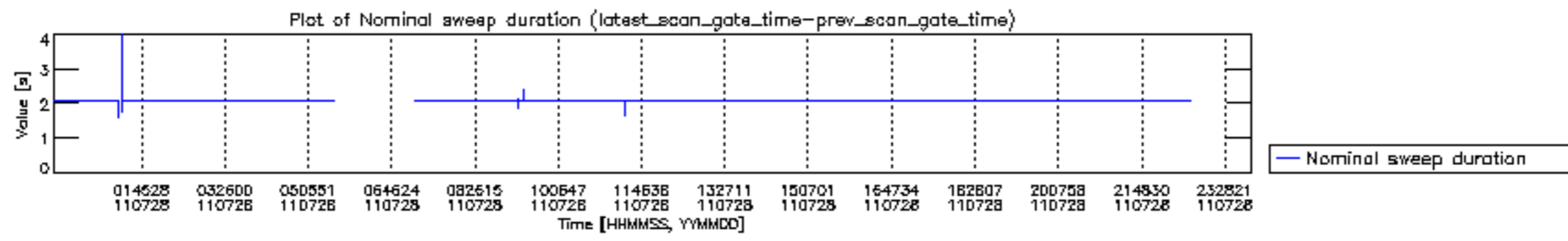
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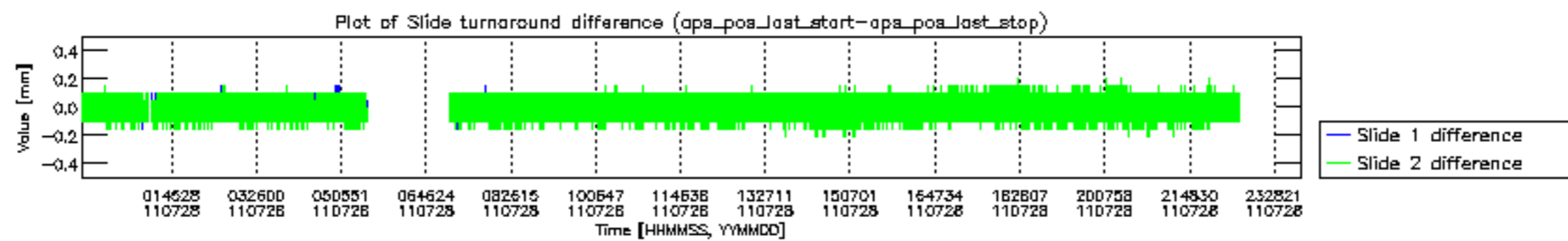


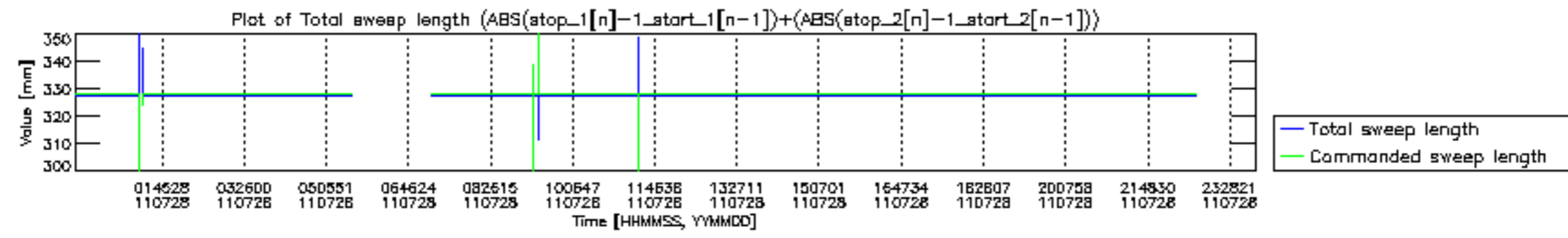


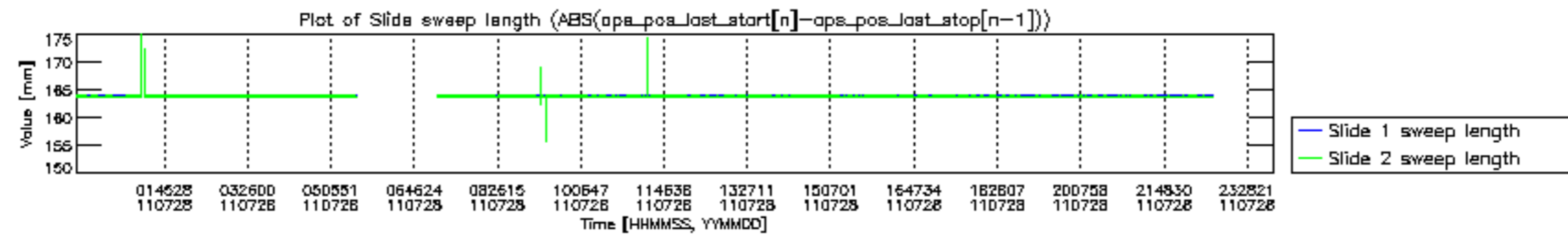


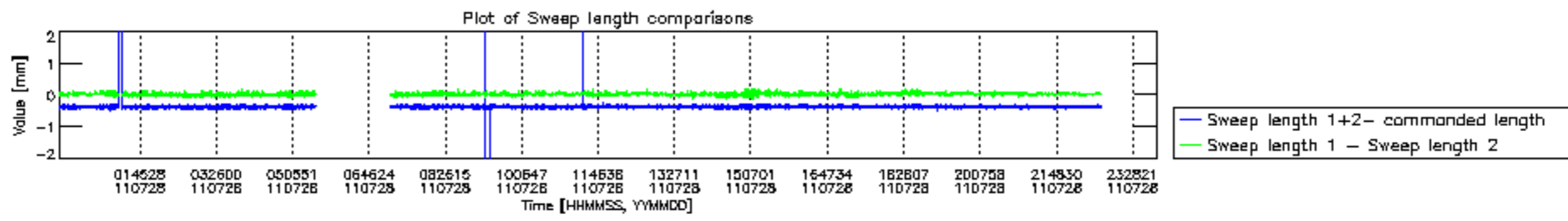


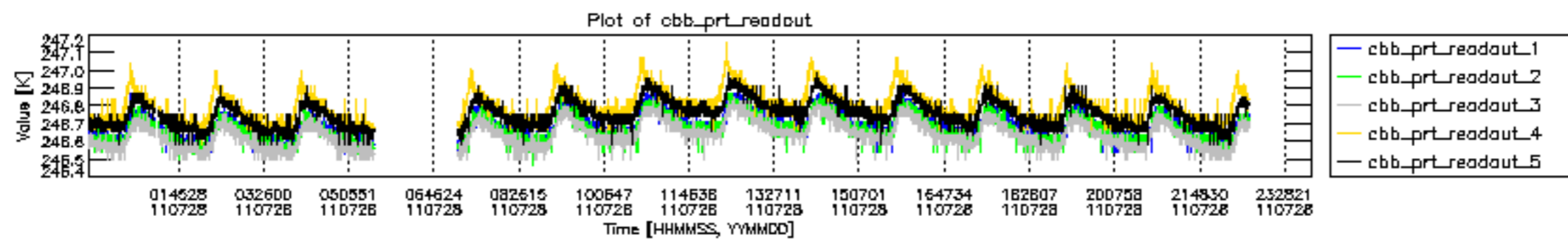


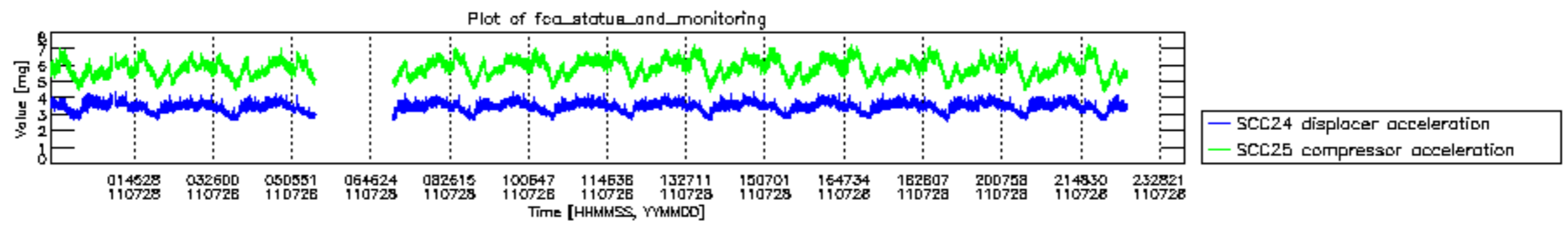












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

