

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	01APR2011 05:24:13
Data source version	KSPT_L0/4504-N
Processing scope for products	27MAR2011 00:00:00 to 28MAR2011 00:00:00
Start time of first product within scope	27MAR2011 01:09:46
Stop time of last product within scope	28MAR2011 00:34:41
Total number of level 0 products	13
Number of level 0 products with errors	1

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__0PNPDE20110327_010946_000036583101_00002_47430_3316.N1	27MAR2011 01:09:46	27MAR2011 02:10:44	0	0	0	0	0
1	MIP_NL__0PNPDE20110327_052314_000012383101_00005_47433_3317.N1	27MAR2011 05:23:14	27MAR2011 05:43:53	0	0	0	0	0
2	MIP_NL__0PNPDE20110327_054319_000024023101_00005_47433_3318.N1	27MAR2011 05:43:19	27MAR2011 06:23:21	0	0	0	0	0
3	MIP_NL__0PNPDK20110327_094301_000017153101_00008_47436_4668.N1	27MAR2011 09:43:01	27MAR2011 10:11:35	0	0	0	0	0
4	MIP_NL__0PNPDK20110327_101051_000060613101_00008_47436_4669.N1	27MAR2011 10:10:51	27MAR2011 11:51:52	0	0	0	0	0
5	MIP_NL__0PNPDK20110327_115119_000059333101_00009_47437_4670.N1	27MAR2011 11:51:19	27MAR2011 13:30:12	0	0	0	0	0
6	MIP_NL__0PNPDK20110327_132938_000058203101_00010_47438_4671.N1	27MAR2011 13:29:38	27MAR2011 15:06:38	0	0	0	0	0
7	MIP_NL__0PNPDK20110327_150458_000059753101_00011_47439_4672.N1	27MAR2011 15:04:58	27MAR2011 16:44:33	0	0	0	0	0
8	MIP_NL__0PNPDK20110327_164334_000059433101_00012_47440_4673.N1	27MAR2011 16:43:34	27MAR2011 18:22:37	0	0	0	0	0
9	MIP_NL__0PNPDK20110327_182143_000059753101_00013_47441_4674.N1	27MAR2011 18:21:43	27MAR2011 20:01:18	1	1	0	0	0
10	MIP_NL__0PNPDE20110327_195940_000040653101_00014_47442_3319.N1	27MAR2011 19:59:40	27MAR2011 21:07:25	0	0	0	0	0
11	MIP_NL__0PNPDE20110327_210620_000064263101_00014_47442_3320.N1	27MAR2011 21:06:20	27MAR2011 22:53:26	0	0	0	0	0
12	MIP_NL__0PNPDE20110327_225227_000061333101_00015_47443_3321.N1	27MAR2011 22:52:27	28MAR2011 00:34:41	0	0	0	0	0

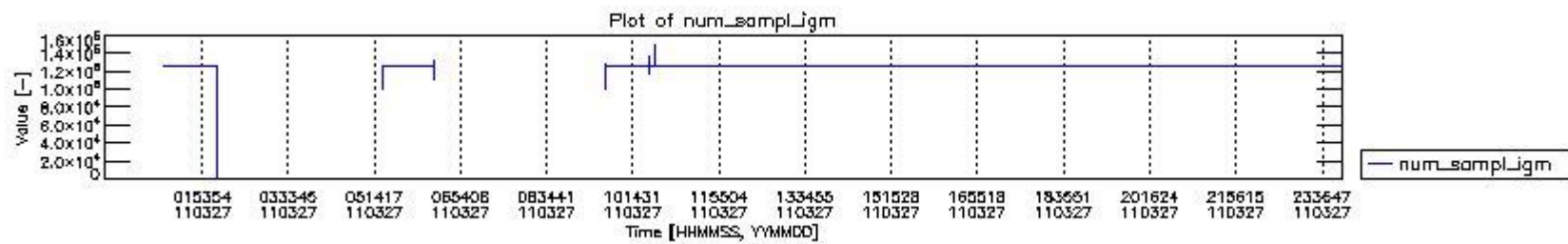
0.2 Instrument Operational Performance Parameters

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.

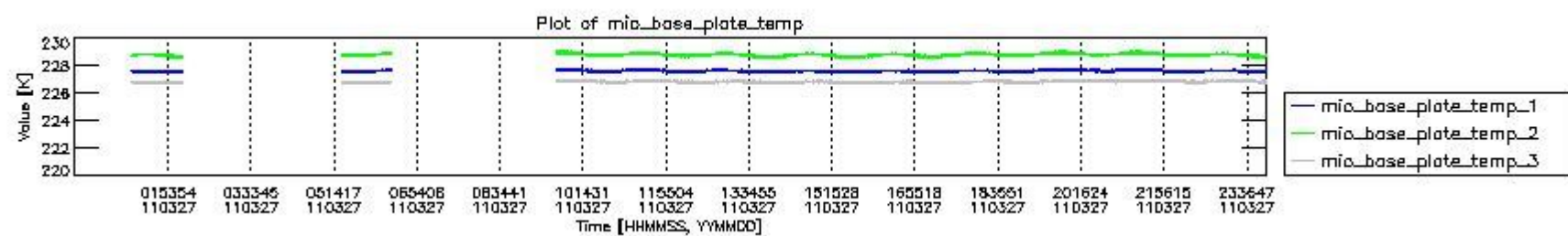
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
88	1	0.0035354428
100037	1	0.0035354428
100855	1	0.0035354428
111696	1	0.0035354428
117272	1	0.0035354428

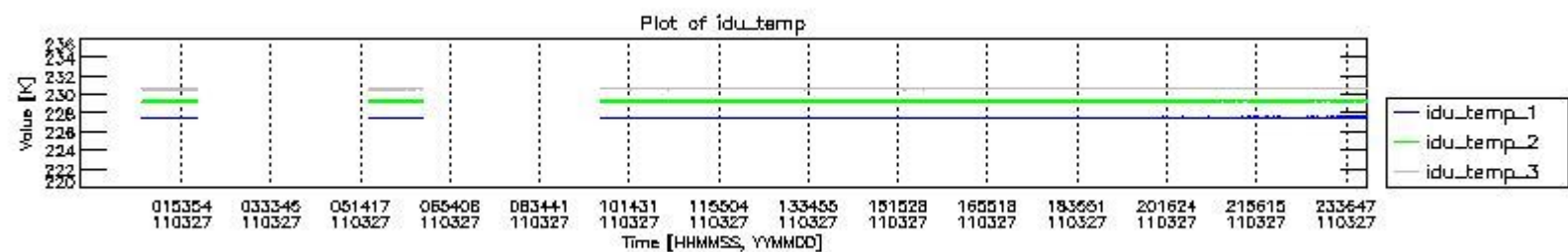
118724	1	0.0035354428
124800	26275	92.893760
124803	1994	7.0496730
125289	1	0.0035354428
125778	1	0.0035354428
126107	1	0.0035354428
127233	1	0.0035354428
127414	1	0.0035354428
129876	1	0.0035354428
131828	1	0.0035354428
137404	1	0.0035354428
147365	1	0.0035354428
149798	1	0.0035354428



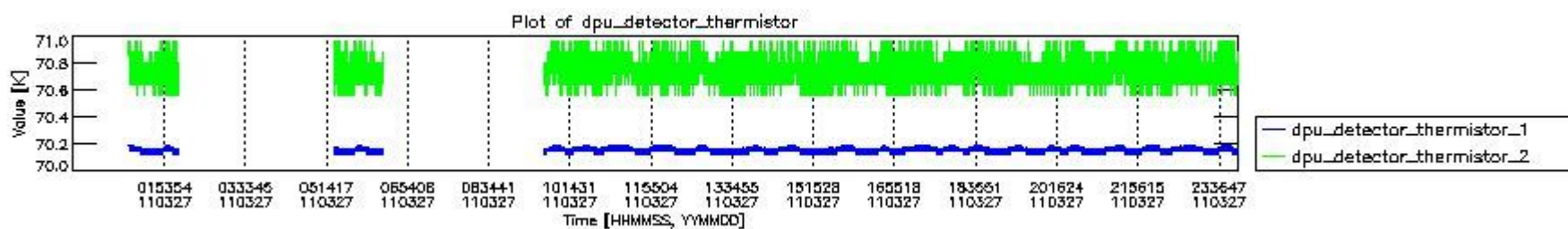
mipas_daily_report_level0_KSPT_L0_4504_N_20110327_0.PNG



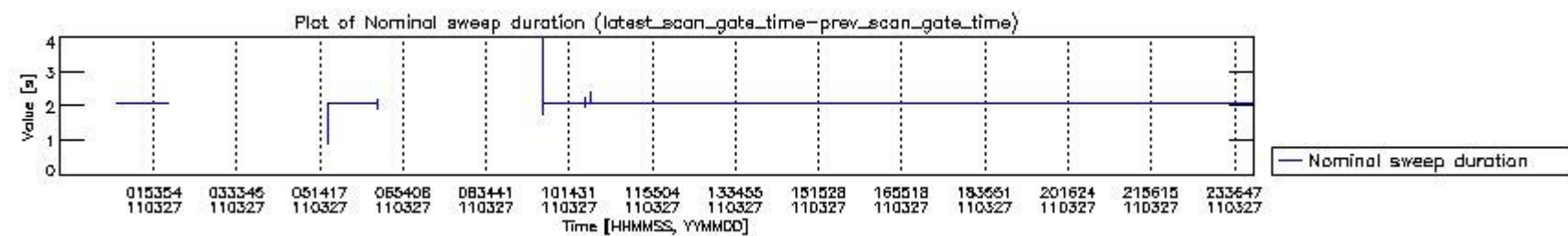
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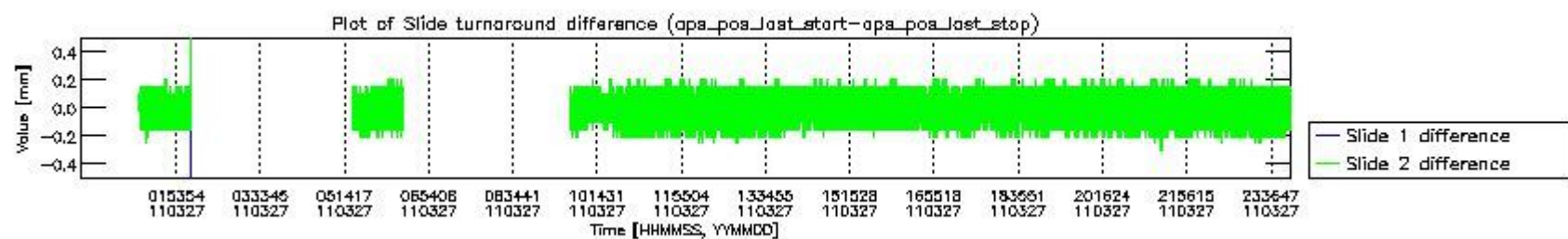
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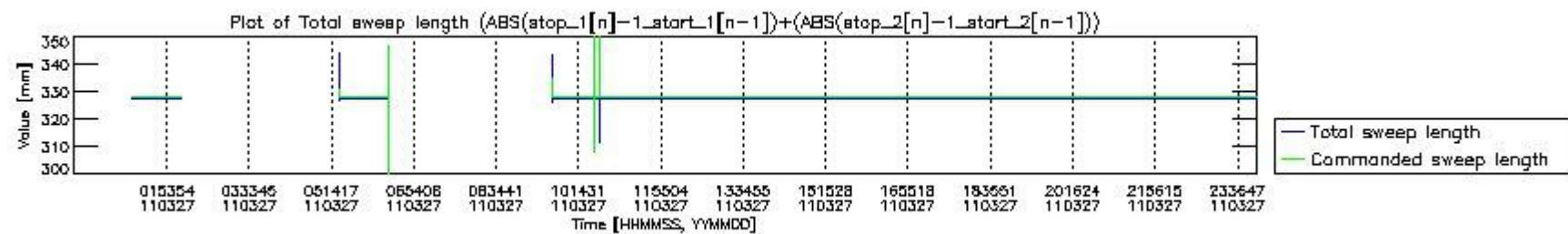
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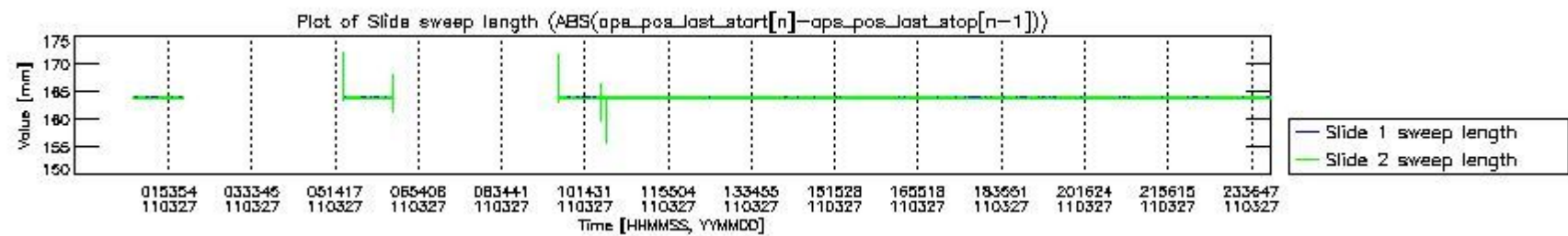
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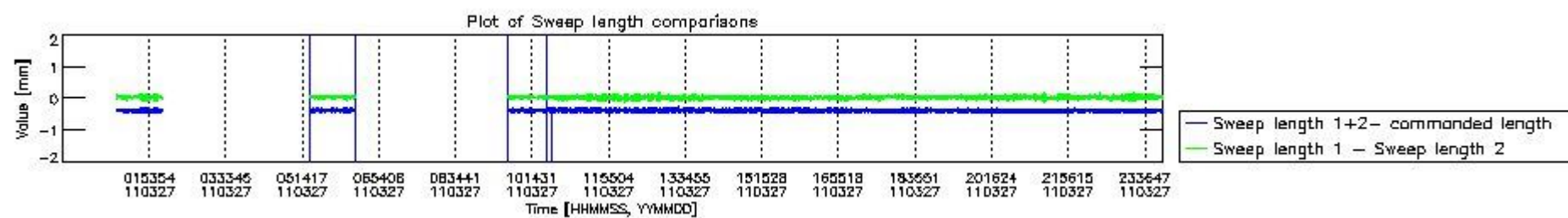
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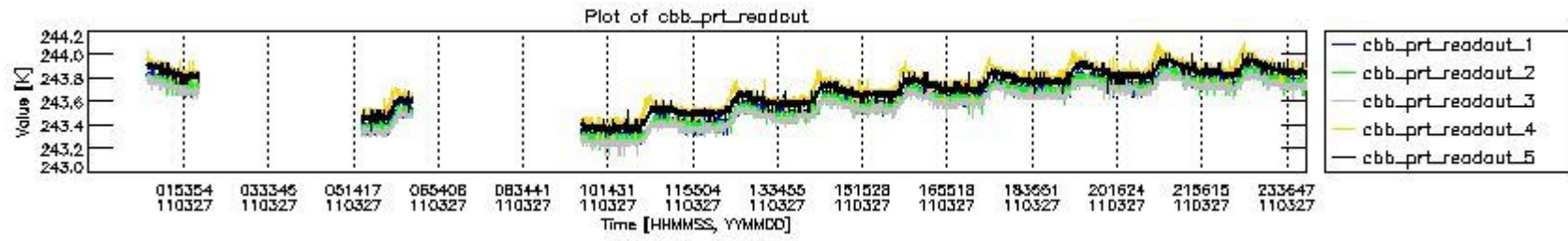
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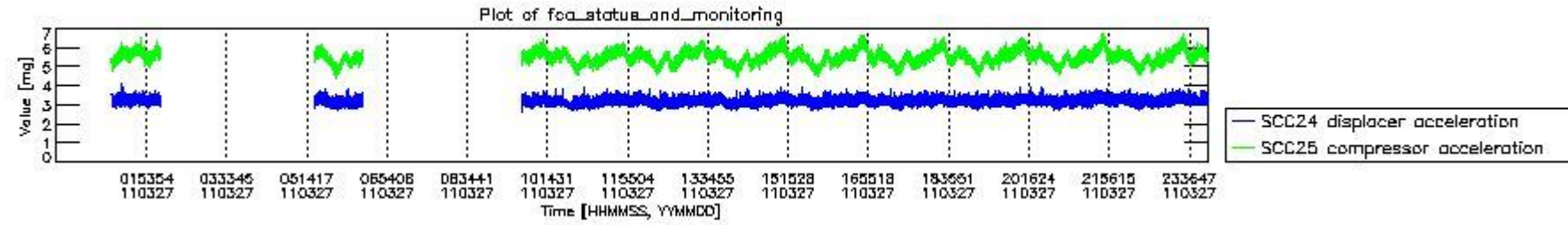
mipas_daily_report_level0_KSPT_L0_4504_N_20110327_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110327_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110327_9.PNG

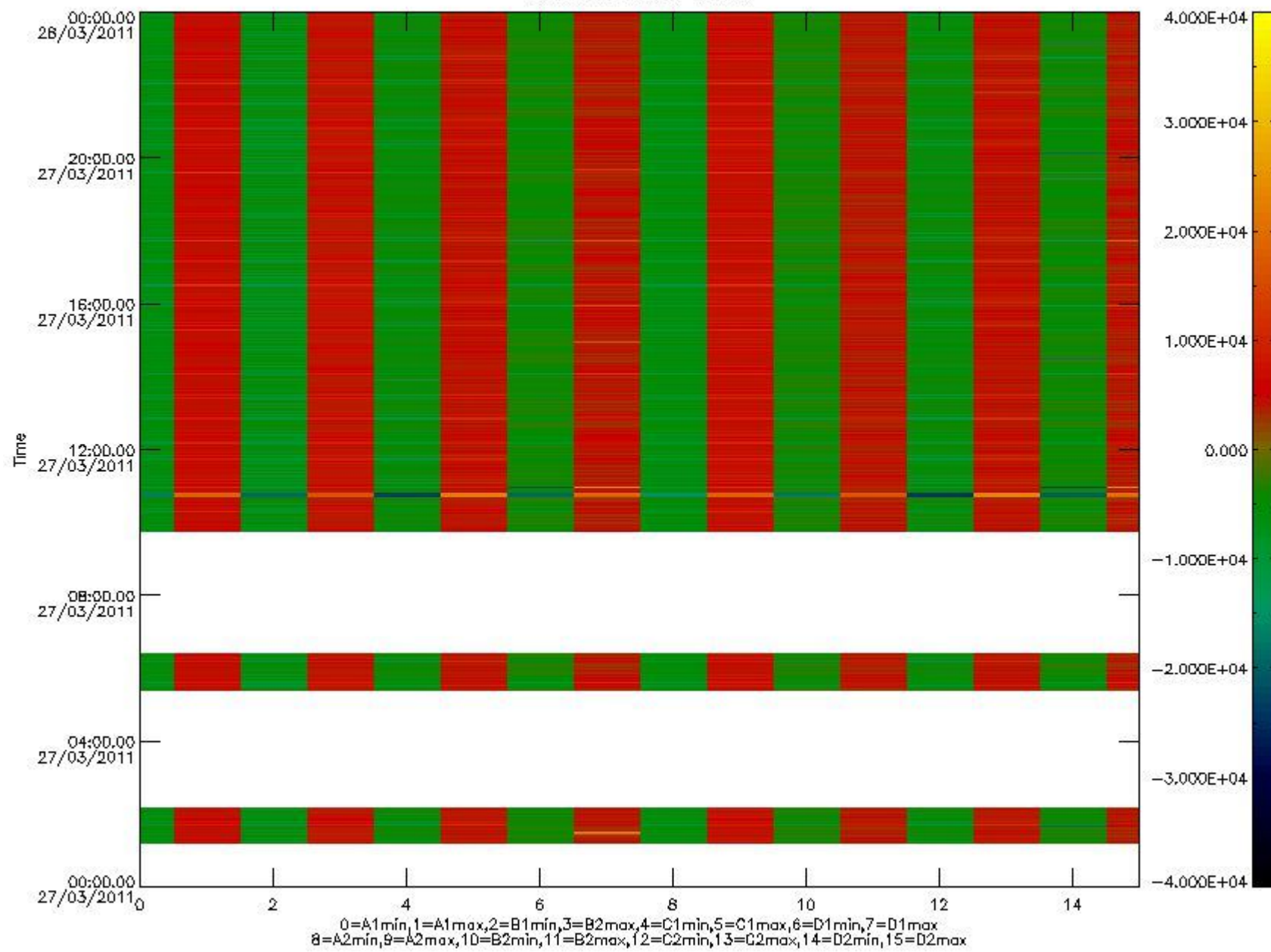


mipas_daily_report_level0_KSPT_L0_4504_N_20110327_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-24764	23575	16bit
D1	-32768	32767	16bit
A2	-32768	28334	16bit
B2	-32768	32767	16bit
C2	-24545	25155	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_20110327_11.PNG

0.3 ADF monitoring

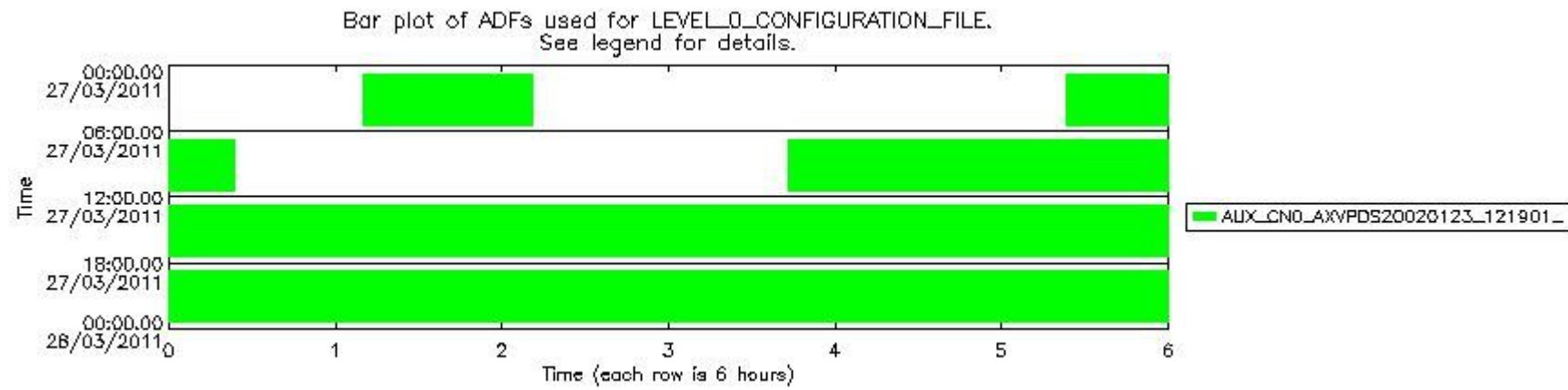
The use of ADFs is shown in two ways:

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.

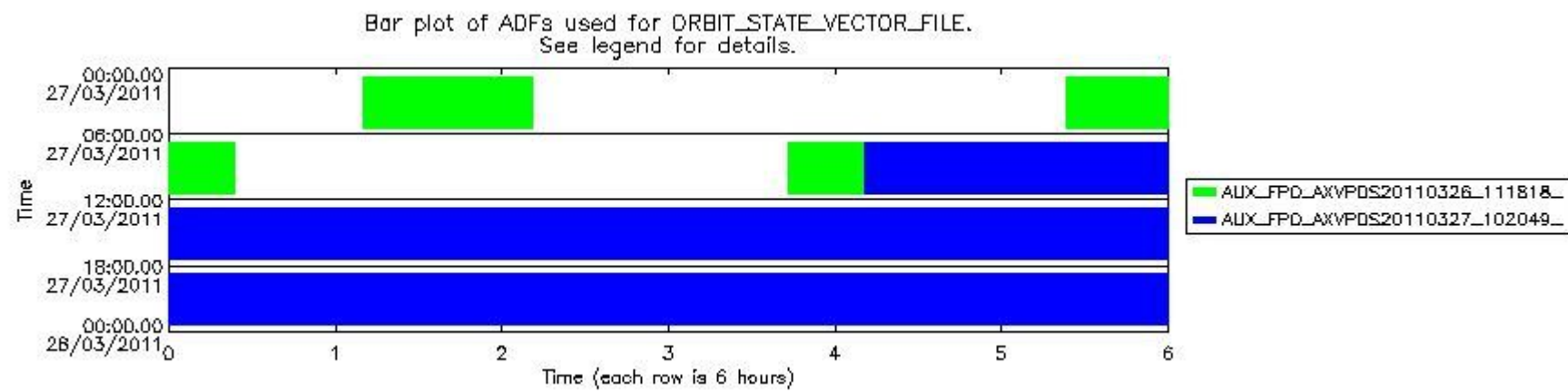
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110326_111818_20110325_191723_20110404_213113
2	AUX_FPO_AXVPDS20110327_102049_20110326_184039_20110405_205428

Number	Product name	#CN0	#FPO
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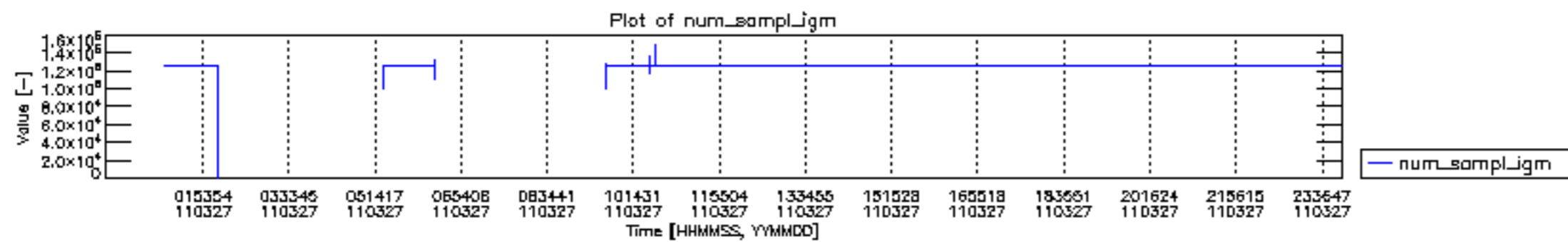
0	MIP_NL__0PNPDE20110327_010946_000036583101_00002_47430_3316.N1	0	1
1	MIP_NL__0PNPDE20110327_052314_000012383101_00005_47433_3317.N1	0	1
2	MIP_NL__0PNPDE20110327_054319_000024023101_00005_47433_3318.N1	0	1
3	MIP_NL__0PNPDK20110327_094301_000017153101_00008_47436_4668.N1	0	1
4	MIP_NL__0PNPDK20110327_101051_000060613101_00008_47436_4669.N1	0	2
5	MIP_NL__0PNPDK20110327_115119_000059333101_00009_47437_4670.N1	0	2
6	MIP_NL__0PNPDK20110327_132938_000058203101_00010_47438_4671.N1	0	2
7	MIP_NL__0PNPDK20110327_150458_000059753101_00011_47439_4672.N1	0	2
8	MIP_NL__0PNPDK20110327_164334_000059433101_00012_47440_4673.N1	0	2
9	MIP_NL__0PNPDK20110327_182143_000059753101_00013_47441_4674.N1	0	2
10	MIP_NL__0PNPDE20110327_195940_000040653101_00014_47442_3319.N1	0	2
11	MIP_NL__0PNPDE20110327_210620_000064263101_00014_47442_3320.N1	0	2
12	MIP_NL__0PNPDE20110327_225227_000061333101_00015_47443_3321.N1	0	2

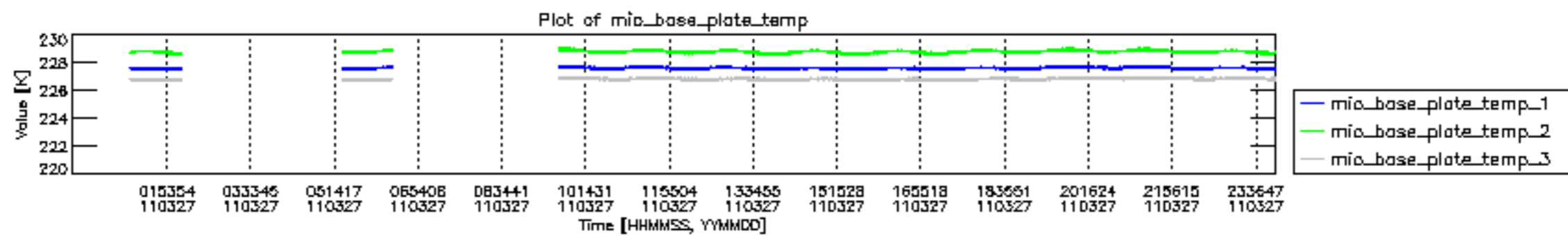


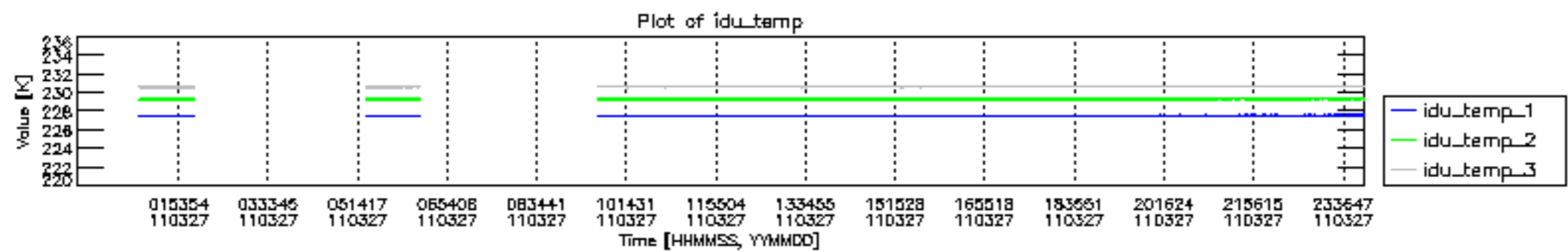
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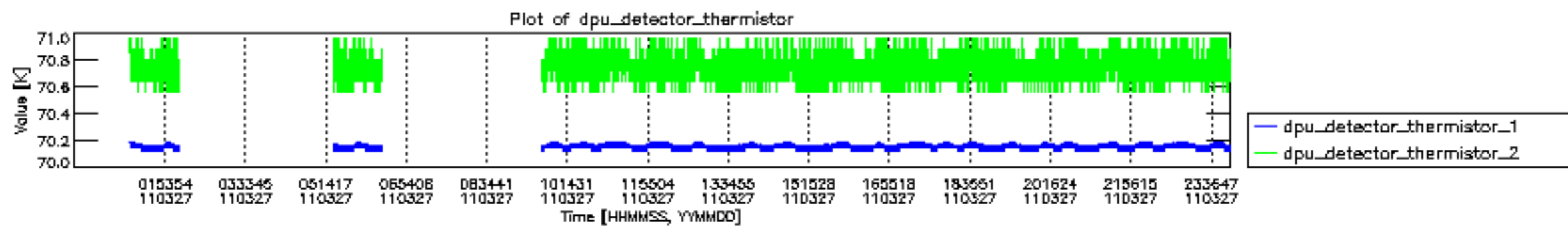


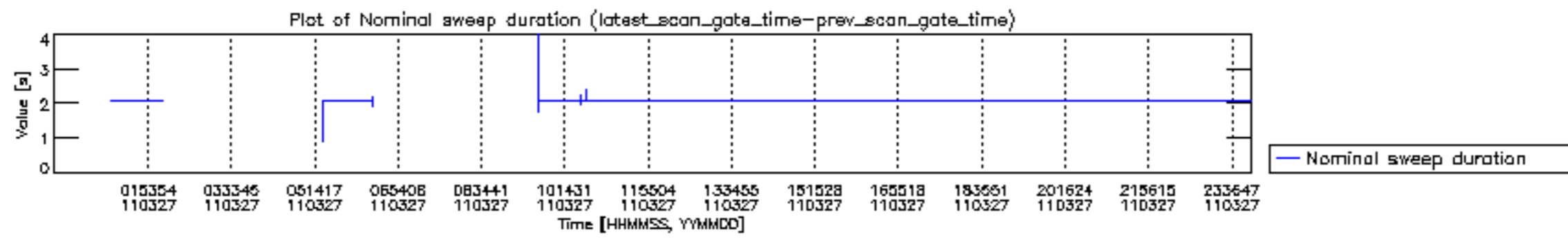
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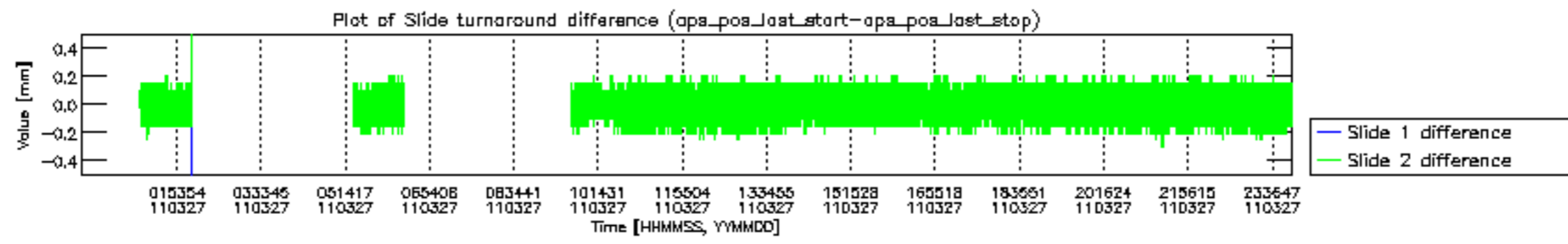


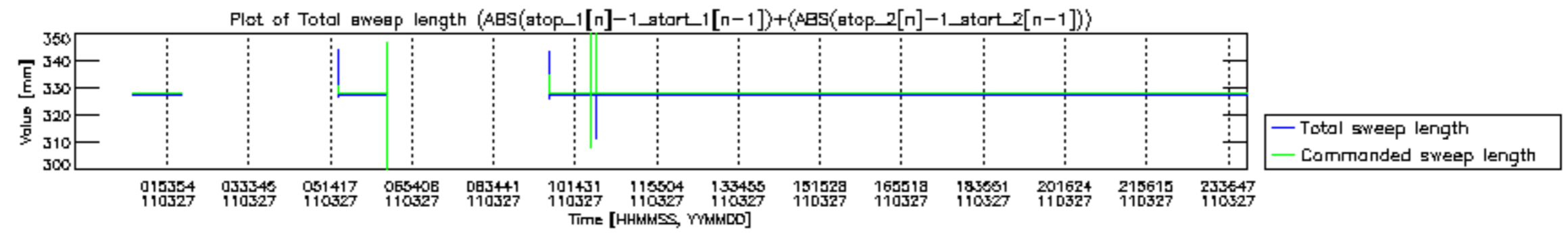


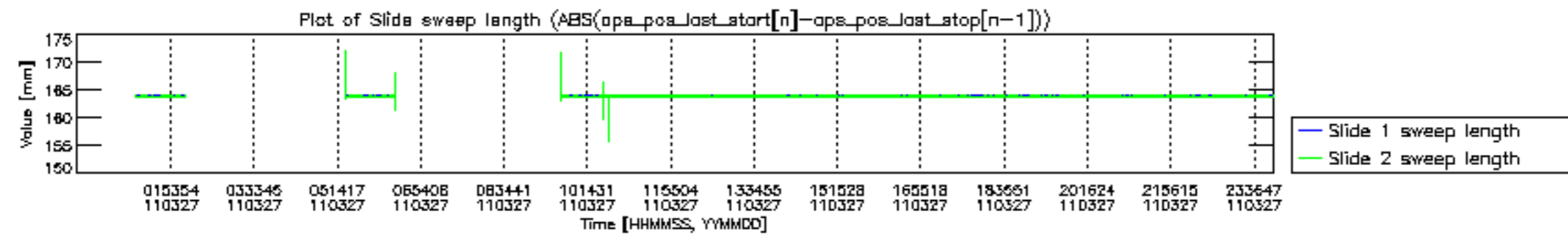


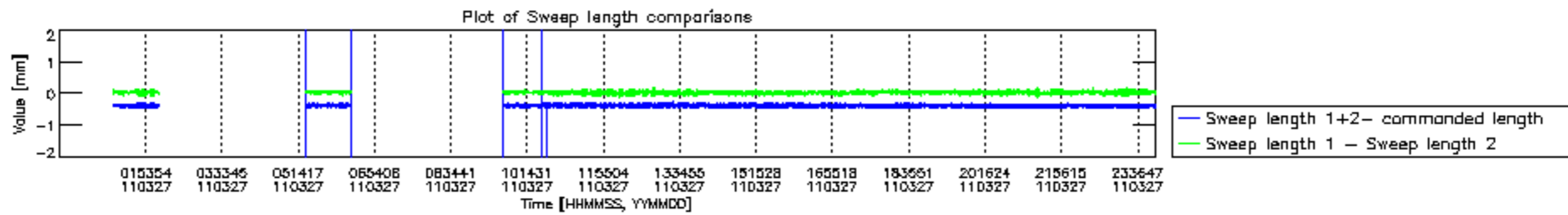


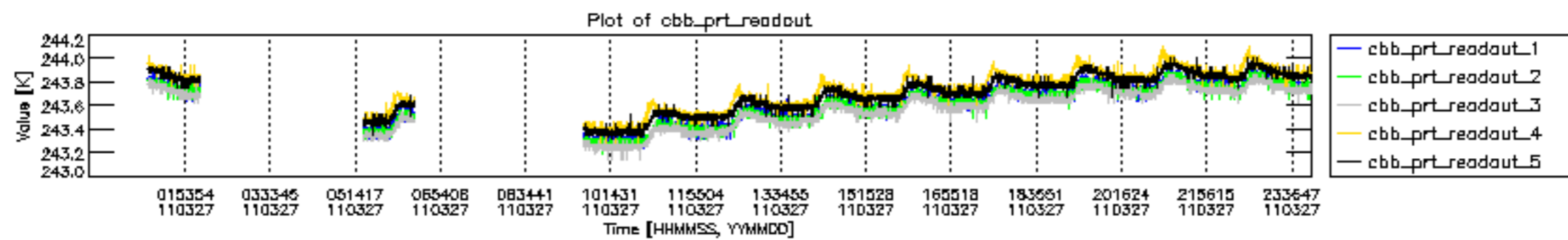


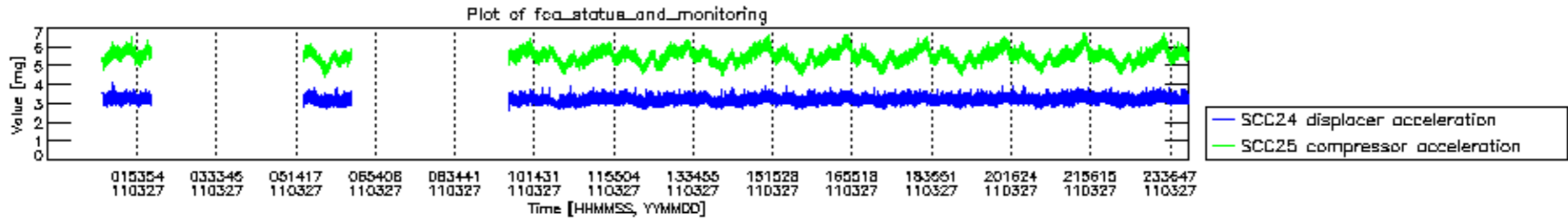












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

