

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	19MAR2011 05:25:22
Data source version	KSPT_L0/4504-N
Processing scope for products	14MAR2011 00:00:00 to 15MAR2011 00:00:00
Start time of first product within scope	14MAR2011 02:22:48
Stop time of last product within scope	15MAR2011 00:10:41
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__OPNPDE20110314_022248_000045583100_00247_47244_3105.N1	14MAR2011 02:22:48	14MAR2011 03:38:46	0	0	0	0	0
1	MIP_NL__OPNPDE20110314_033812_000061373100_00248_47245_3106.N1	14MAR2011 03:38:12	14MAR2011 05:20:29	0	0	0	0	0
2	MIP_NL__OPNPDK20110314_065926_000041173100_00250_47247_4558.N1	14MAR2011 06:59:26	14MAR2011 08:08:04	0	0	0	0	0
3	MIP_NL__OPNPDK20110314_080730_000060523100_00251_47248_4559.N1	14MAR2011 08:07:30	14MAR2011 09:48:22	0	0	0	0	0
4	MIP_NL__OPNPDK20110314_094738_000059723100_00252_47249_4560.N1	14MAR2011 09:47:38	14MAR2011 11:27:11	0	0	0	0	0
5	MIP_NL__OPNPDK20110314_112554_000060503100_00253_47250_4561.N1	14MAR2011 11:25:54	14MAR2011 13:06:43	0	0	0	0	0
6	MIP_NL__OPNPDK20110314_130547_000059793100_00254_47251_4562.N1	14MAR2011 13:05:47	14MAR2011 14:45:26	0	0	0	0	0
7	MIP_NL__OPNPDK20110314_144429_000057433100_00255_47252_4563.N1	14MAR2011 14:44:29	14MAR2011 16:20:12	0	0	0	0	0
8	MIP_NL__OPNPDK20110314_161911_000060353100_00256_47253_4564.N1	14MAR2011 16:19:11	14MAR2011 17:59:47	0	0	0	0	0
9	MIP_NL__OPNPDK20110314_175848_000059333100_00257_47254_4565.N1	14MAR2011 17:58:48	14MAR2011 19:37:41	0	0	0	0	0
10	MIP_NL__OPNPDE20110314_211726_000042893100_00259_47256_3108.N1	14MAR2011 21:17:26	14MAR2011 22:28:55	0	0	0	0	0
11	MIP_NL__OPNPDE20110314_222750_000061713100_00259_47256_3109.N1	14MAR2011 22:27:50	15MAR2011 00:10:41	0	0	0	0	0

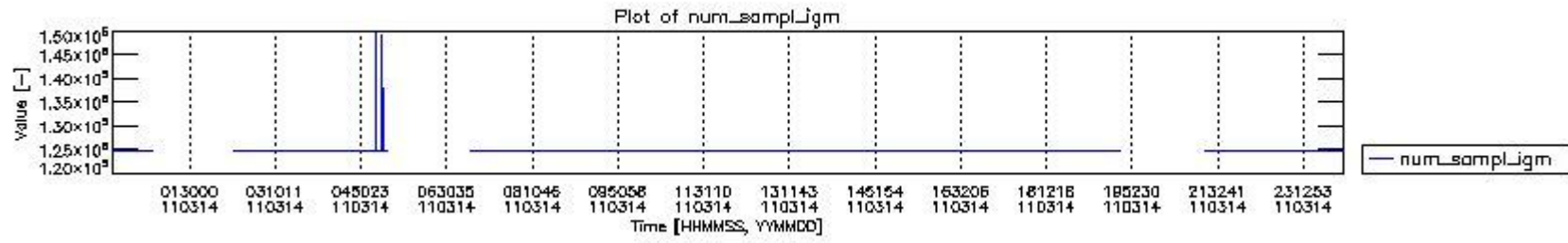
0.2 Instrument Operational Performance Parameters

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.

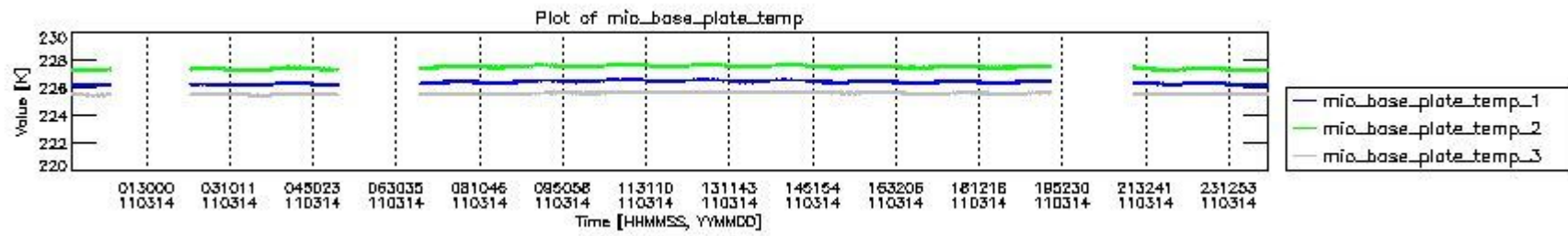
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	30693	92.888055
124803	2344	7.0937869
126936	1	0.0030263596
127233	1	0.0030263596
147068	1	0.0030263596
147365	1	0.0030263596

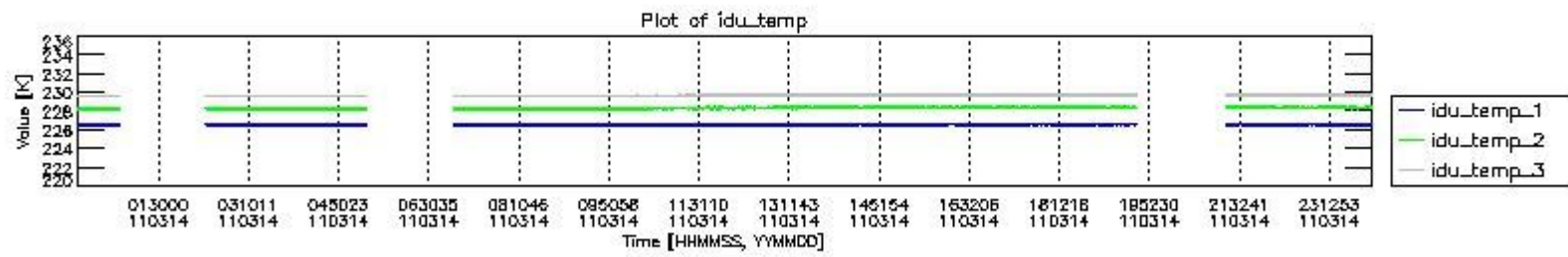
149204	1	0.0030263596
149798	1	0.0030263596



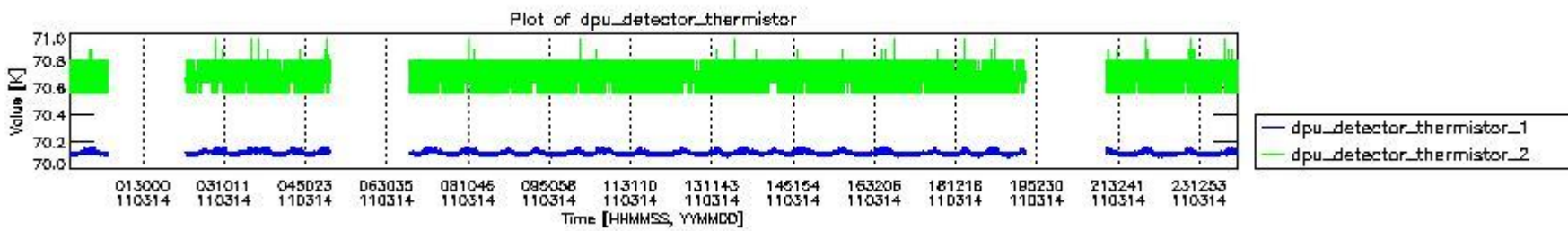
mipas_daily_report_level0_KSPT_L0_4504_N_20110314_0.PNG



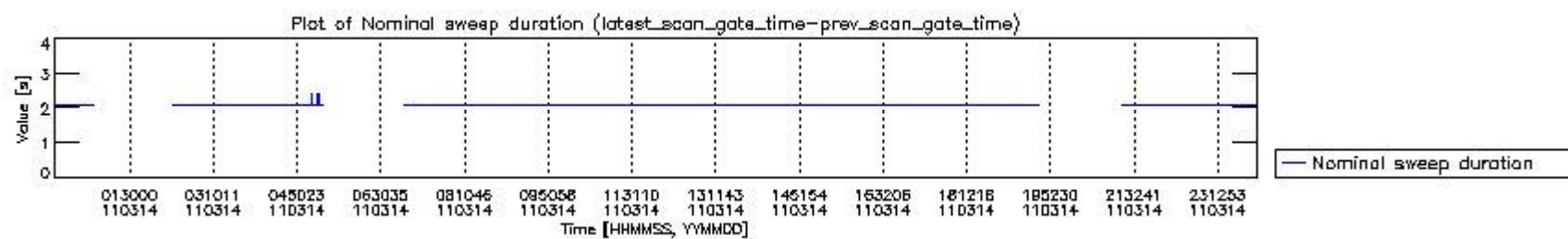
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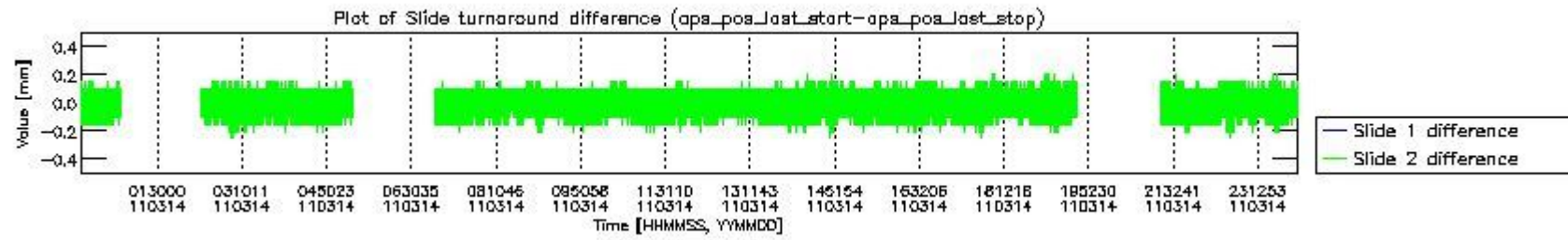
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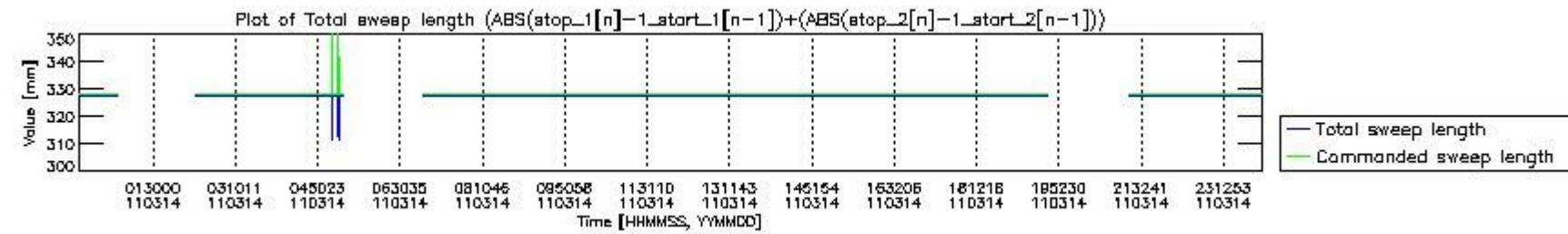
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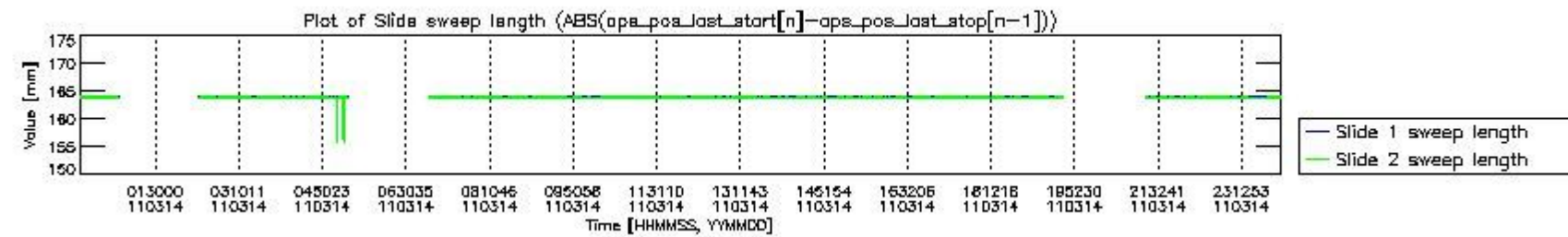
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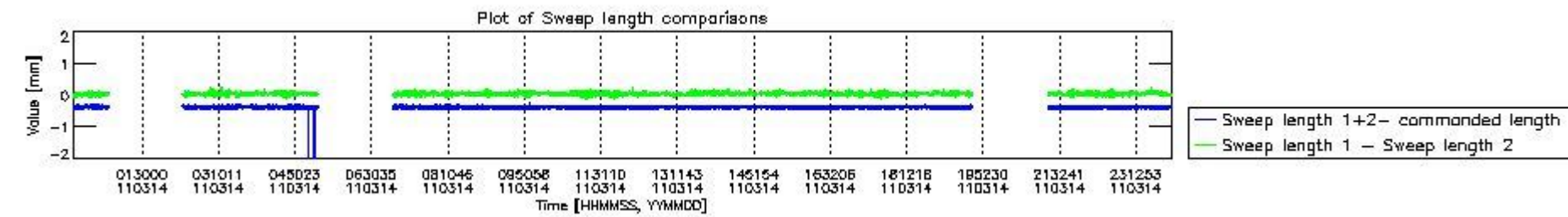
mipas_daily_report_level0_KSPT_L0_4504_N_20110314_5.PNG



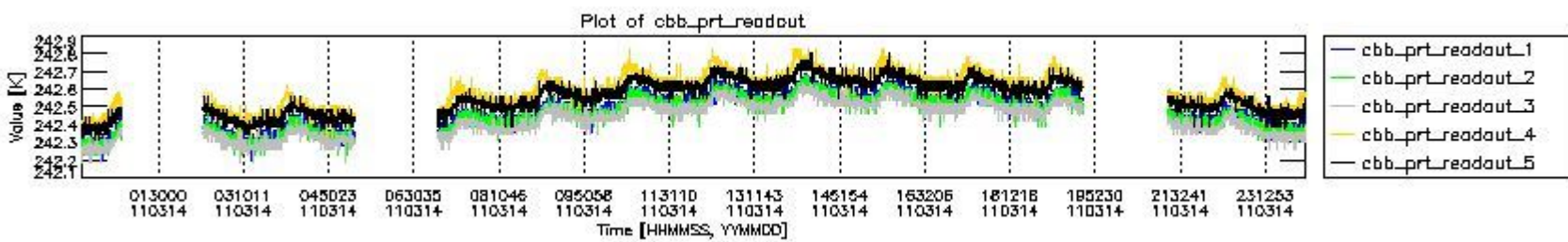
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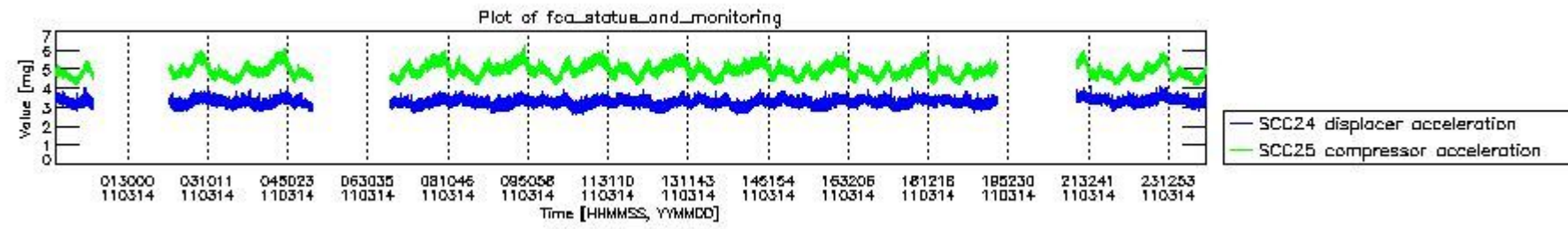
mipas_daily_report_level0_KSPT_L0_4504_N_20110314_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110314_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110314_9.PNG

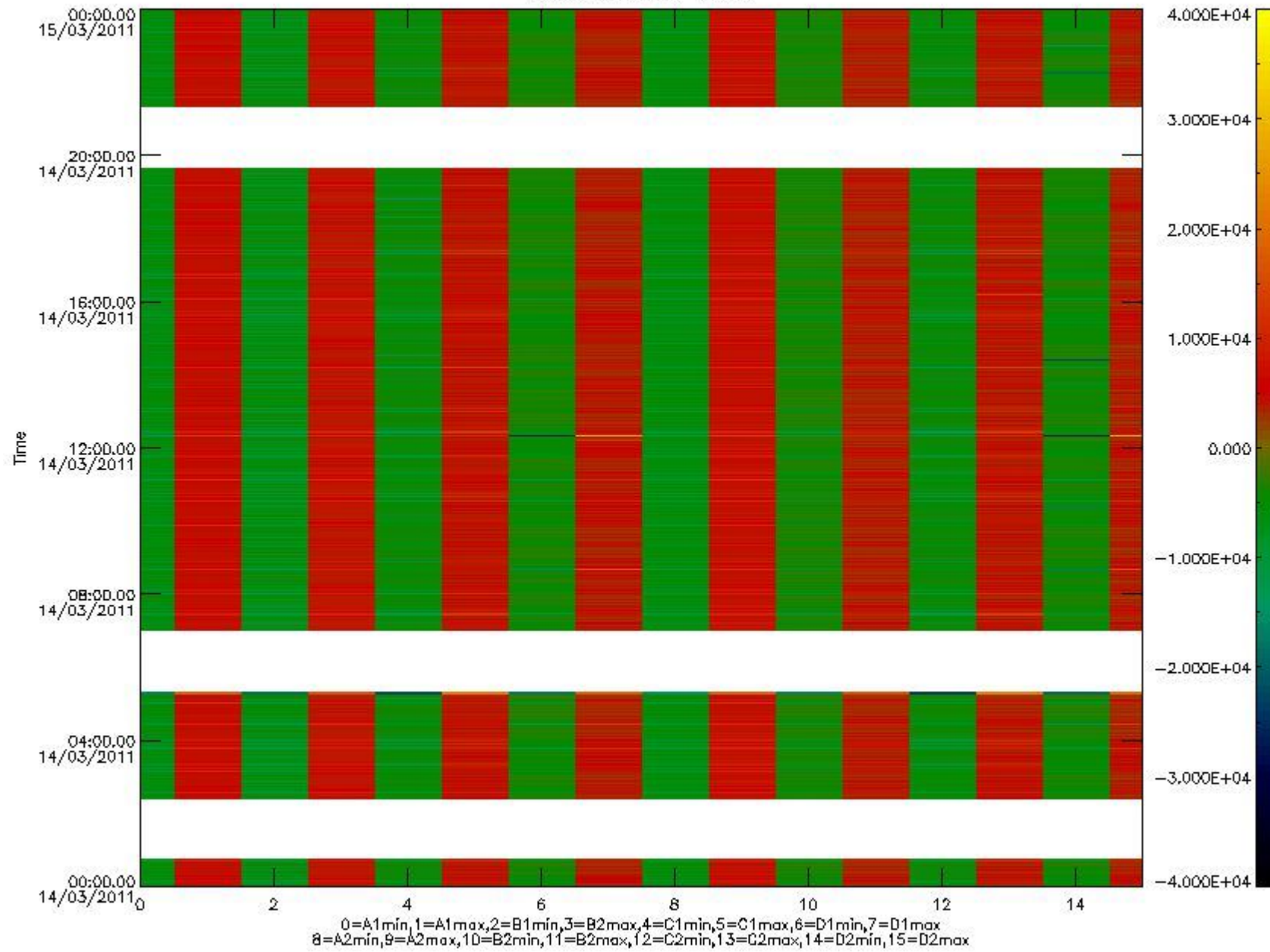


mipas_daily_report_level0_KSPT_L0_4504_N_20110314_10.PNG

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

Channel	Min	Max	ADC
A1	-17557	18548	16bit
B1	-19206	16683	16bit
C1	-22670	22546	16bit
D1	-32768	32767	16bit
A2	-15256	18722	16bit
B2	-17343	17055	16bit
C2	-23617	23214	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_20110314_11.PNG

0.3 ADF monitoring

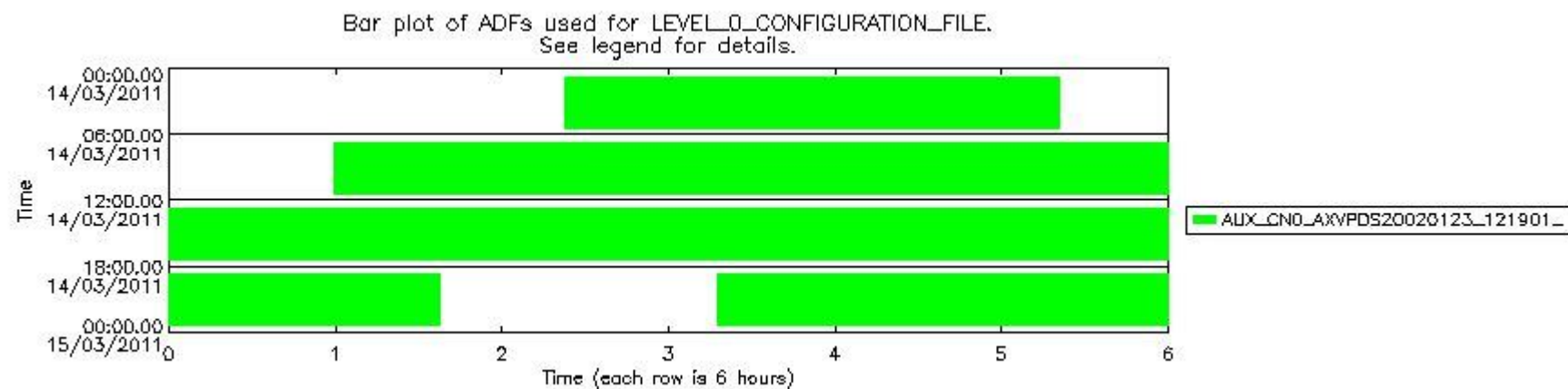
The use of ADFs is shown in two ways:

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.

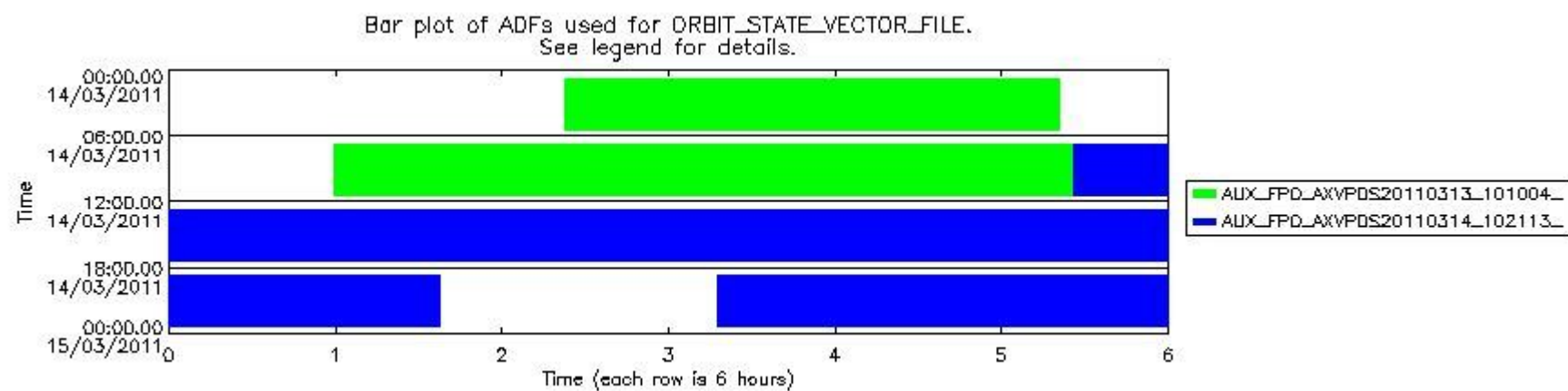
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110313_101004_20110312_185346_20110322_210736
2	AUX_FPO_AXVPDS20110314_102113_20110313_195716_20110323_203052

Number	Product name	#CN0	#FPO
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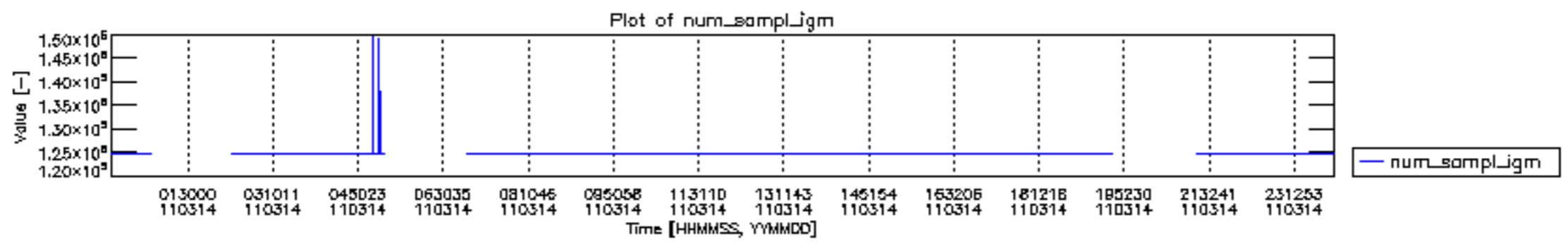
0	MIP_NL__0PNPDE20110314_022248_000045583100_00247_47244_3105.N1	0	1
1	MIP_NL__0PNPDE20110314_033812_000061373100_00248_47245_3106.N1	0	1
2	MIP_NL__0PNPDK20110314_065926_000041173100_00250_47247_4558.N1	0	1
3	MIP_NL__0PNPDK20110314_080730_000060523100_00251_47248_4559.N1	0	1
4	MIP_NL__0PNPDK20110314_094738_000059723100_00252_47249_4560.N1	0	1
5	MIP_NL__0PNPDK20110314_112554_000060503100_00253_47250_4561.N1	0	2
6	MIP_NL__0PNPDK20110314_130547_000059793100_00254_47251_4562.N1	0	2
7	MIP_NL__0PNPDK20110314_144429_000057433100_00255_47252_4563.N1	0	2
8	MIP_NL__0PNPDK20110314_161911_000060353100_00256_47253_4564.N1	0	2
9	MIP_NL__0PNPDK20110314_175848_000059333100_00257_47254_4565.N1	0	2
10	MIP_NL__0PNPDE20110314_211726_000042893100_00259_47256_3108.N1	0	2
11	MIP_NL__0PNPDE20110314_222750_000061713100_00259_47256_3109.N1	0	2

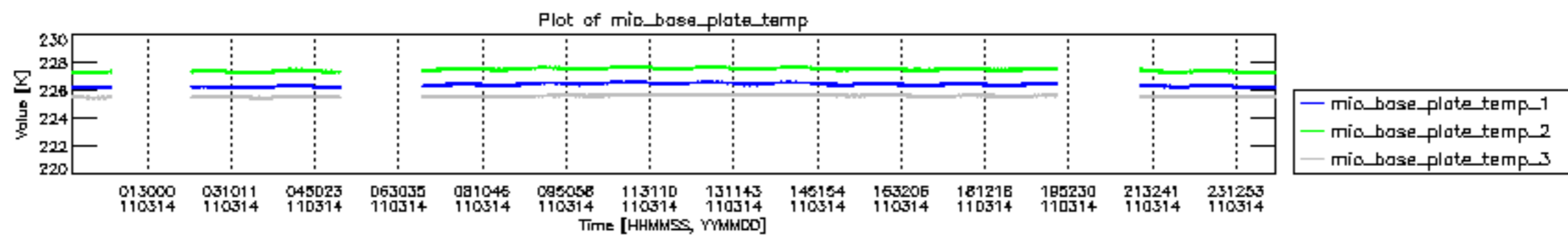


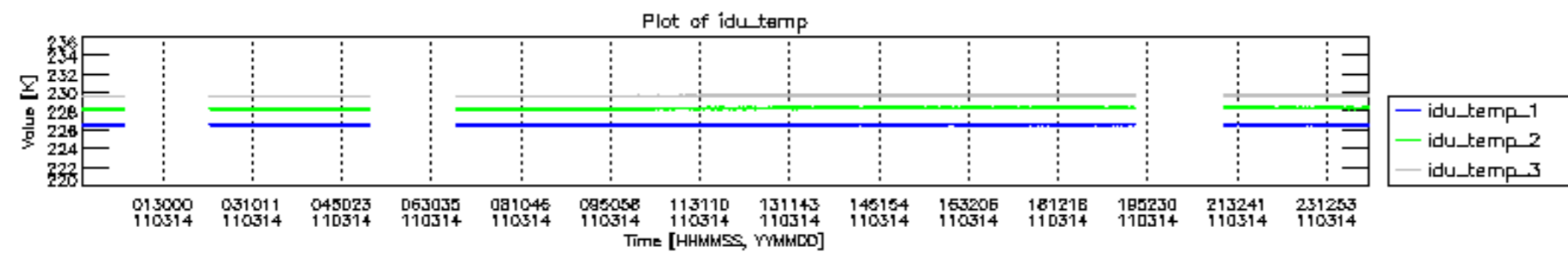
mipas_daily_report_level0_KSPT_L0_4504_N_20110314_12.PNG

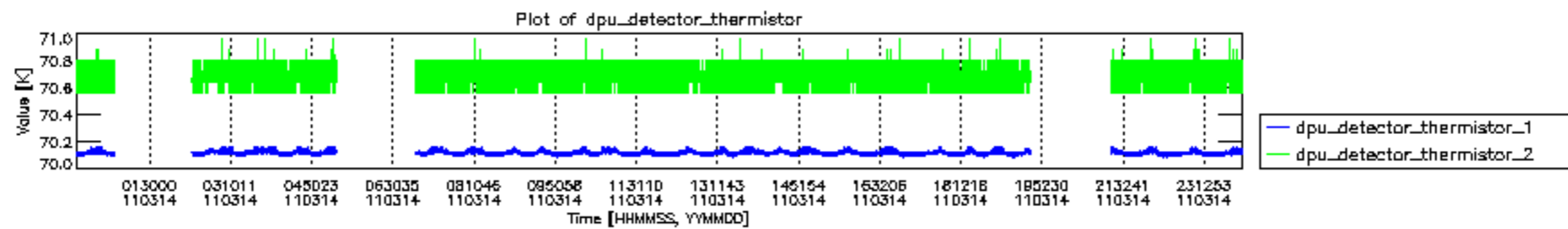


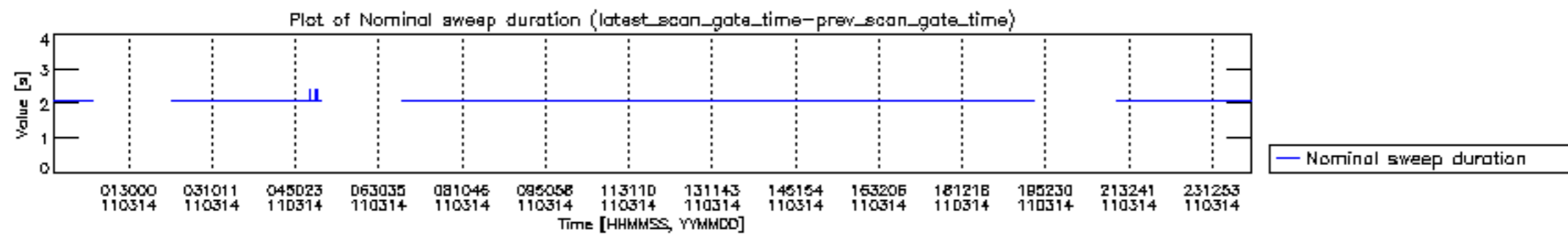
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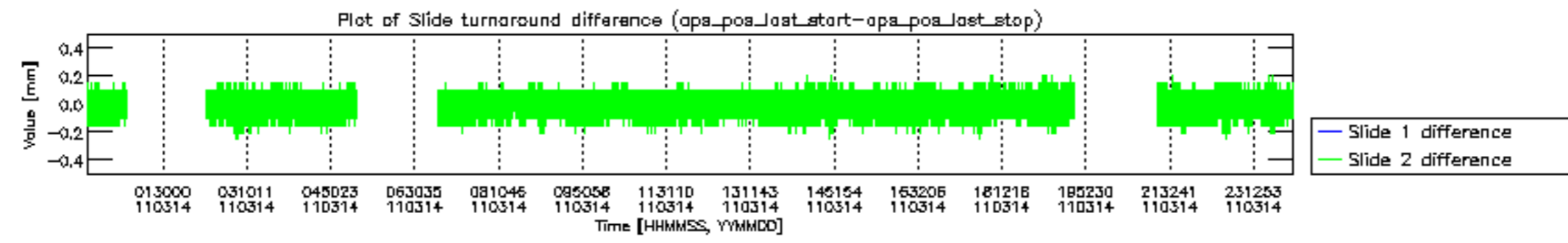


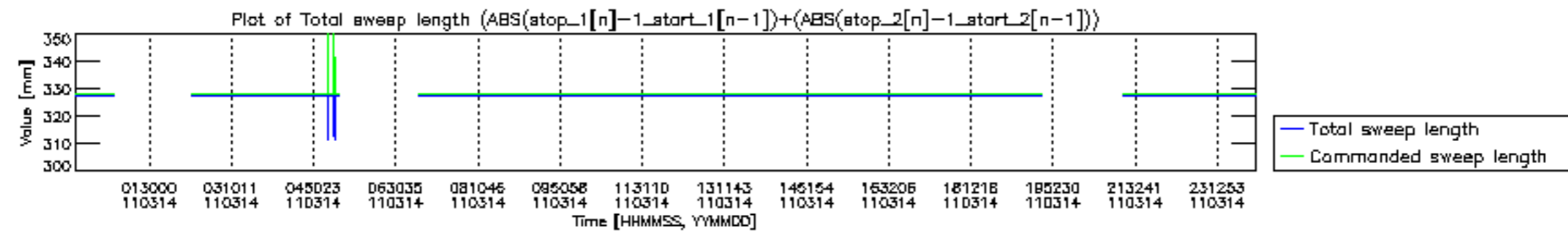


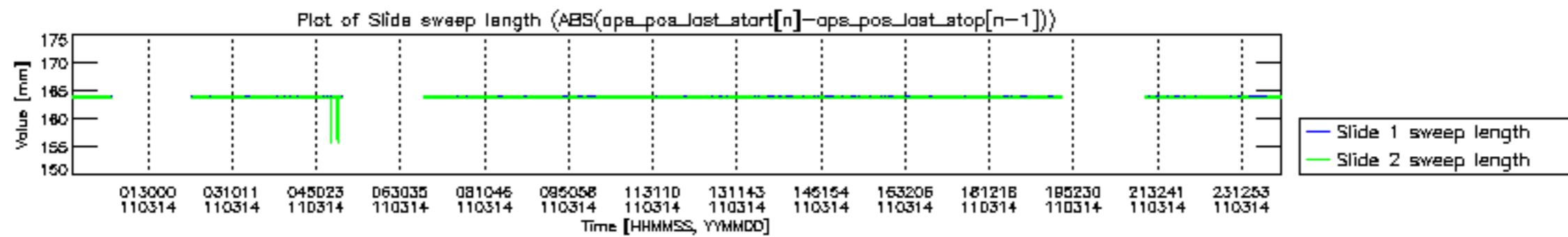


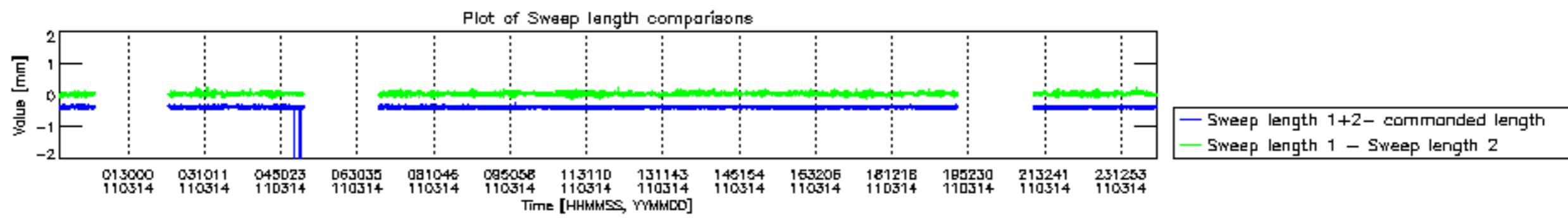


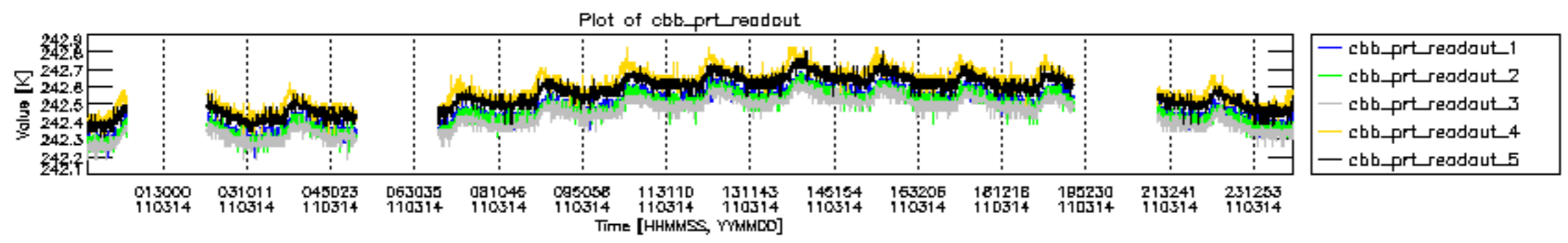


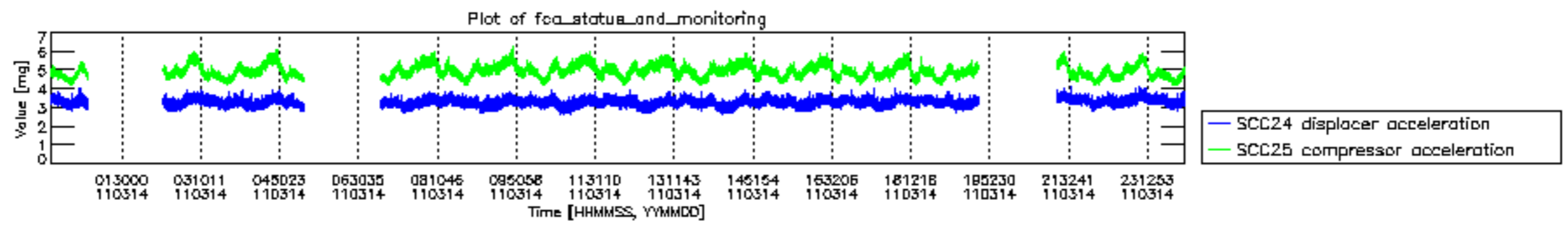












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

