

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	01APR2012 05:23:29
Data source version	KSPT_L0/4504-N
Processing scope for products	27MAR2012 00:00:00 to 28MAR2012 00:00:00
Start time of first product within scope	27MAR2012 00:53:57
Stop time of last product within scope	28MAR2012 00:18:06
Total number of level 0 products	15
Number of level 0 products with errors	2

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__OPNPDE20120327_005357_000058533113_00088_52688_1300.N1	27MAR2012 00:53:57	27MAR2012 02:31:30	1	0	1	0	0
1	MIP_NL__OPNPDE20120327_022938_000045653113_00089_52689_1301.N1	27MAR2012 02:29:38	27MAR2012 03:45:42	0	0	0	0	0
2	MIP_NL__OPNPDE20120327_034509_000061063113_00090_52690_1302.N1	27MAR2012 03:45:09	27MAR2012 05:26:55	0	0	0	0	0
3	MIP_NL__OPNPDE20120327_052622_000060463113_00091_52691_1303.N1	27MAR2012 05:26:22	27MAR2012 07:07:07	0	0	0	0	0
4	MIP_NL__OPNPDK20120327_070634_000040903113_00092_52692_9042.N1	27MAR2012 07:06:34	27MAR2012 08:14:44	0	0	0	0	0
5	MIP_NL__OPNPDK20120327_081411_000060883113_00093_52693_9043.N1	27MAR2012 08:14:11	27MAR2012 09:55:38	0	0	0	0	0
6	MIP_NL__OPNPDK20120327_095505_000060313113_00094_52694_9044.N1	27MAR2012 09:55:05	27MAR2012 11:35:36	1	1	0	0	0
7	MIP_NL__OPNPDK20120327_113452_000059083113_00095_52695_9045.N1	27MAR2012 11:34:52	27MAR2012 13:13:20	0	0	0	0	0
8	MIP_NL__OPNPDK20120327_131246_000059393113_00096_52696_9046.N1	27MAR2012 13:12:46	27MAR2012 14:51:46	0	0	0	0	0
9	MIP_NL__OPNPDK20120327_145010_000059003113_00097_52697_9047.N1	27MAR2012 14:50:10	27MAR2012 16:28:29	0	0	0	0	0
10	MIP_NL__OPNPDK20120327_162733_000058663113_00098_52698_9048.N1	27MAR2012 16:27:33	27MAR2012 18:05:19	0	0	0	0	0
11	MIP_NL__OPNPDK20120327_180422_000060293113_00099_52699_9049.N1	27MAR2012 18:04:22	27MAR2012 19:44:51	0	0	0	0	0
12	MIP_NL__OPNPDE20120327_194309_000041283113_00100_52700_1304.N1	27MAR2012 19:43:09	27MAR2012 20:51:57	0	0	0	0	0
13	MIP_NL__OPNPDE20120327_205050_000064663113_00100_52700_1305.N1	27MAR2012 20:50:50	27MAR2012 22:38:36	0	0	0	0	0
14	MIP_NL__OPNPDE20120327_223739_000060273113_00101_52701_1306.N1	27MAR2012 22:37:39	28MAR2012 00:18:06	0	0	0	0	0

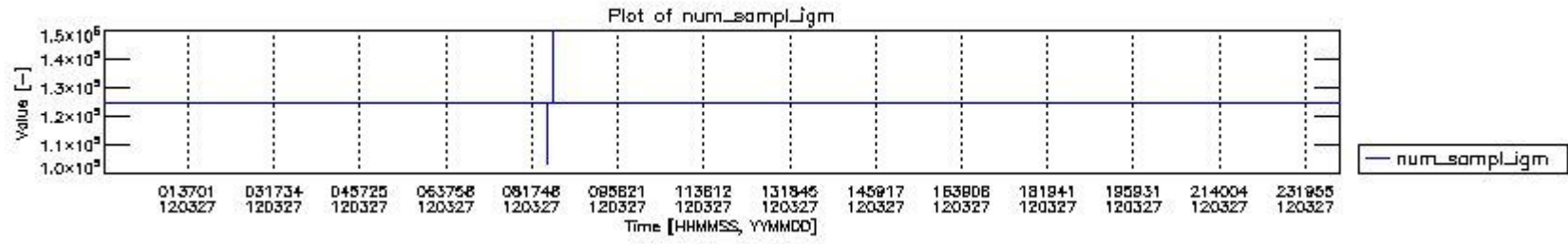
0.2 Instrument Operational Performance Parameters

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.

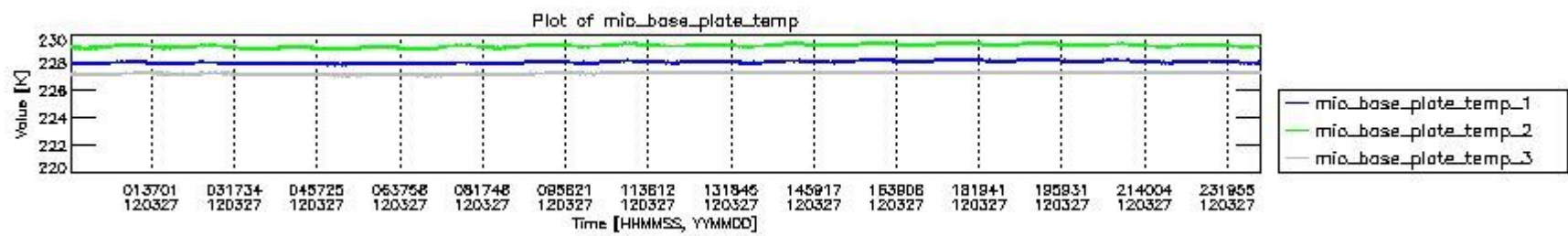
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
103410	1	0.0024055231
104039	1	0.0024055231
124171	1	0.0024055231

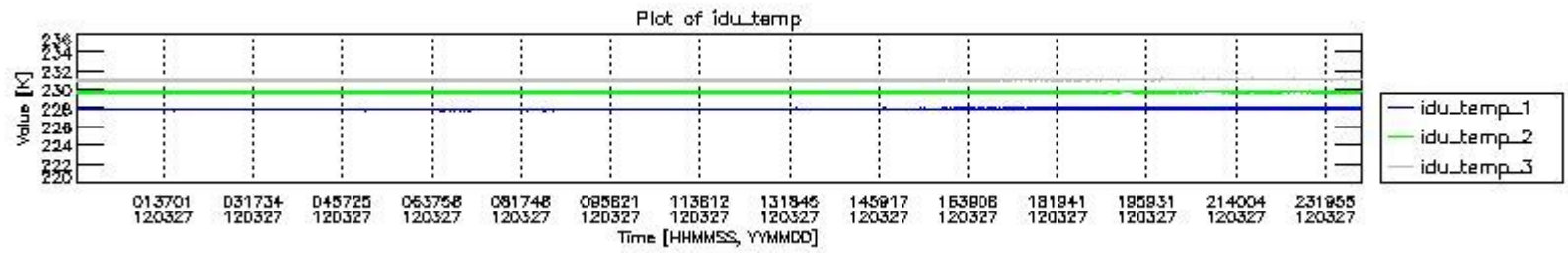
124800	38616	92.891679
124803	2949	7.0938876
127308	1	0.0024055231
147440	1	0.0024055231
149948	1	0.0024055231



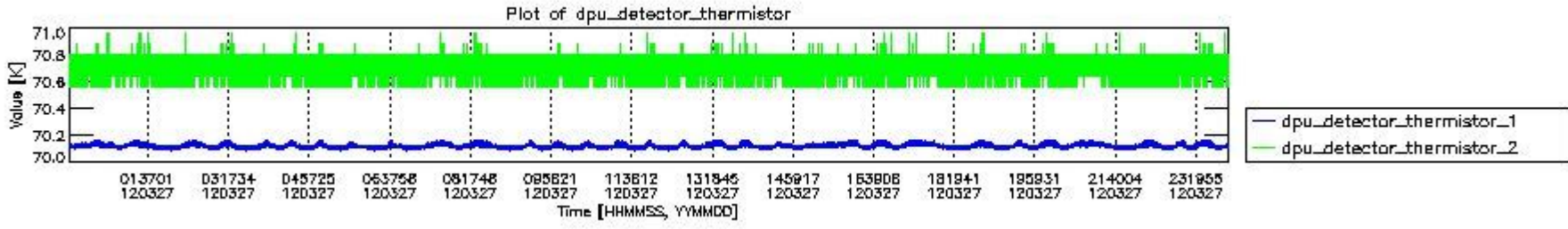
mipas_daily_report_level0_KSPT_L0_4504_N_20120327_0.PNG



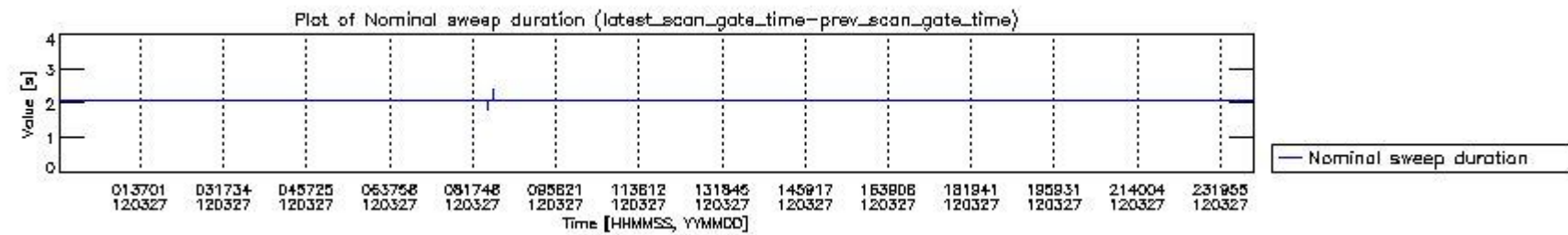
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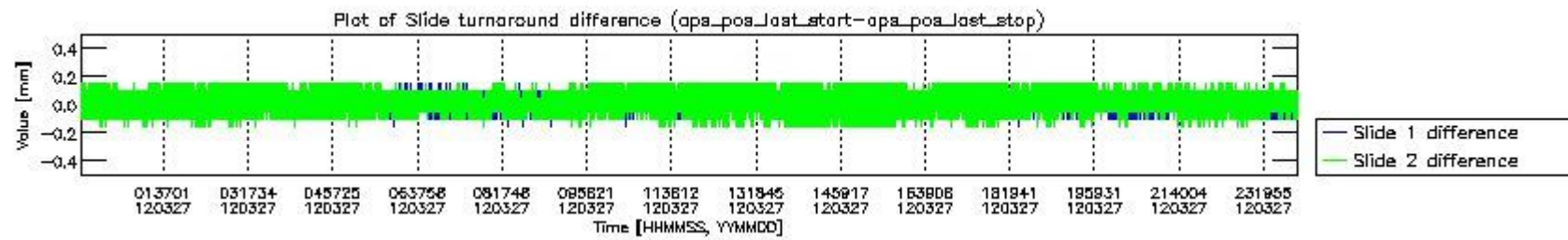
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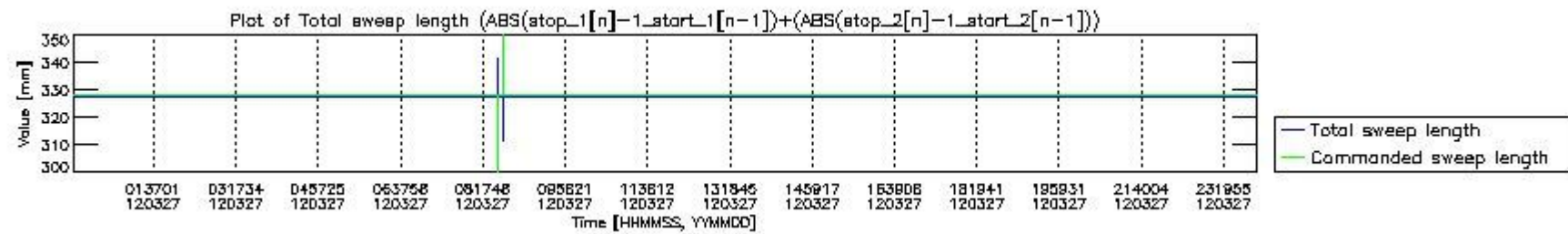
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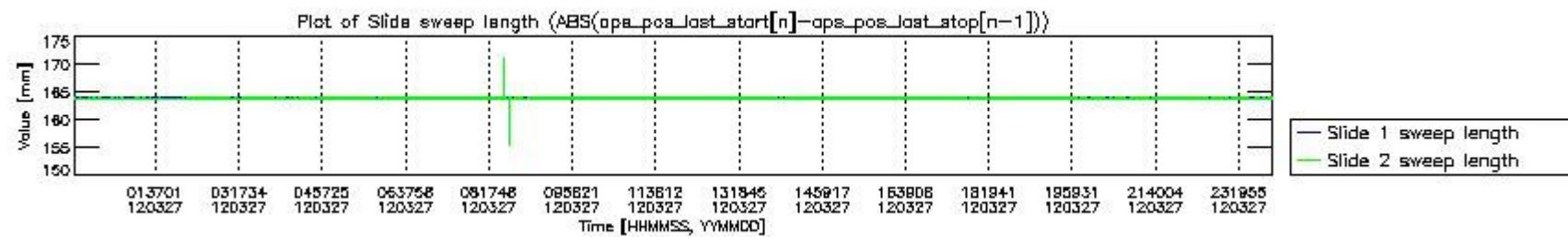
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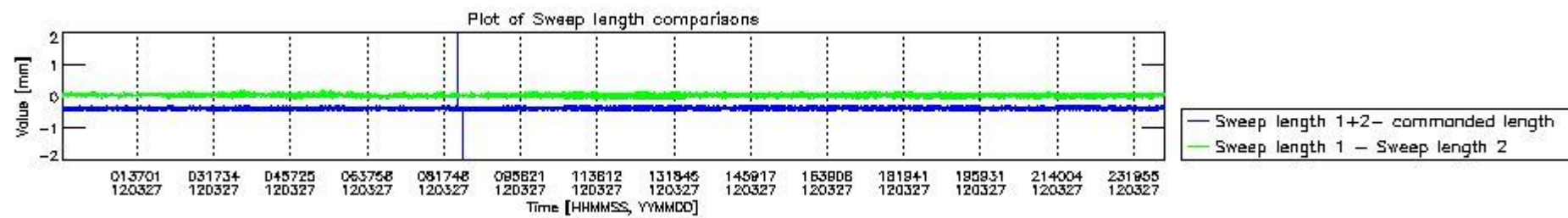
mipas_daily_report_level0_KSPT_L0_4504_N_20120327_5.PNG



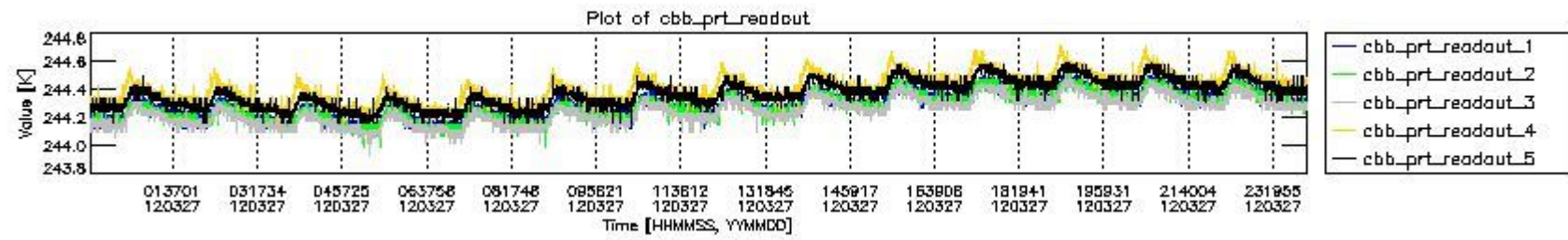
mipas_daily_report_level0_KSPT_L0_4504_N_20120327_6.PNG



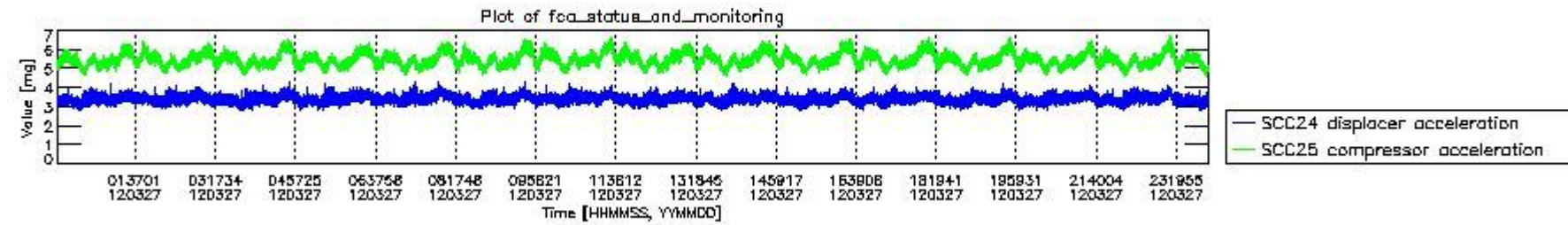
mipas_daily_report_level0_KSPT_L0_4504_N_20120327_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120327_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120327_9.PNG

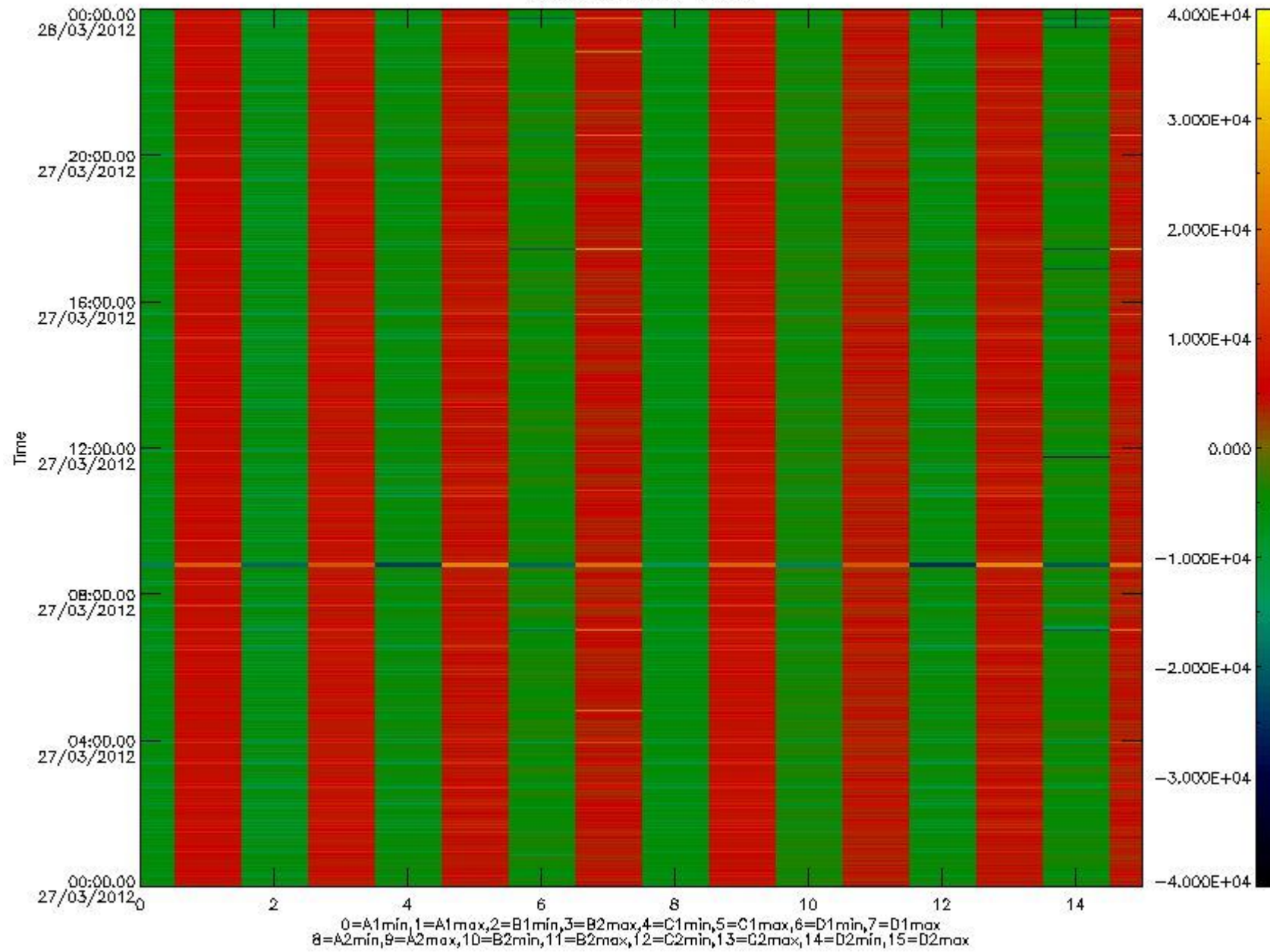


mipas_daily_report_level0_KSPT_L0_4504_N_20120327_10.PNG

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

Channel	Min	Max	ADC
A1	-17559	18500	16bit
B1	-19914	17195	16bit
C1	-24173	24088	16bit
D1	-32768	32767	16bit
A2	-15320	18760	16bit
B2	-17667	17431	16bit
C2	-25233	24797	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_20120327_11.PNG

0.3 ADF monitoring

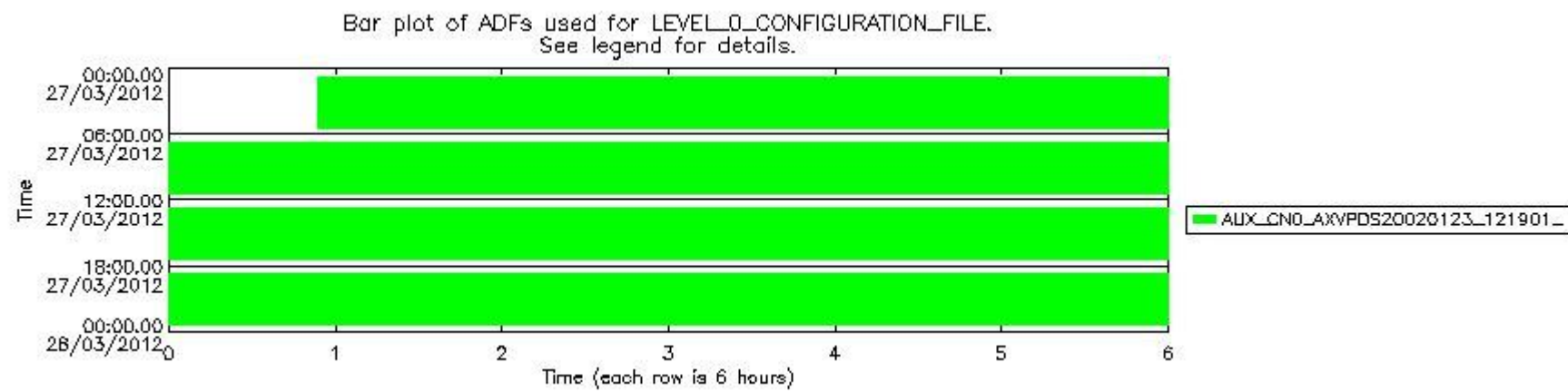
The use of ADFs is shown in two ways:

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.

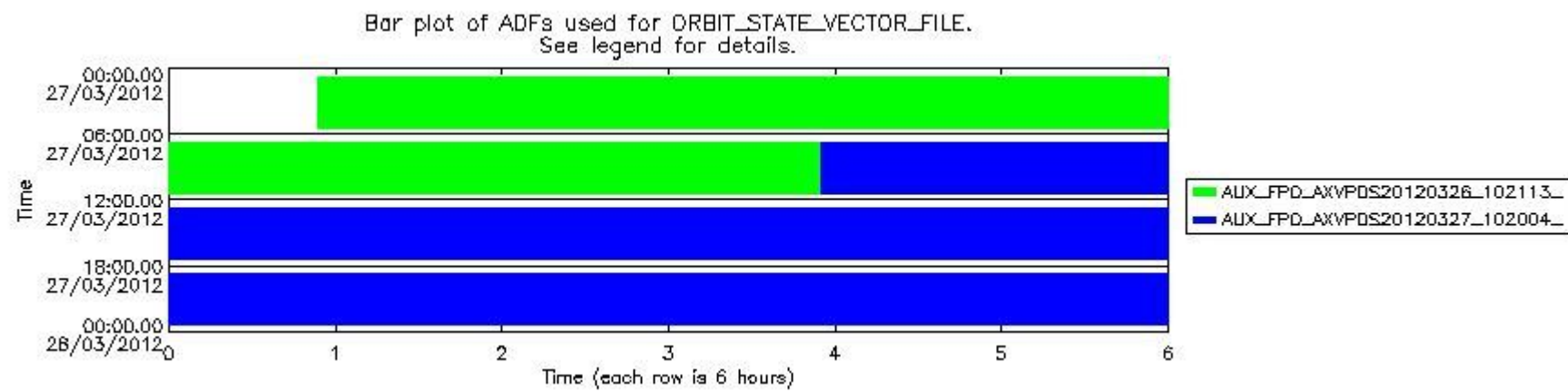
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120326_102113_20120325_190053_20120404_211433
2	AUX_FPO_AXVPDS20120327_102004_20120326_182408_20120405_203748

Number	Product name	#CN0	#FPO
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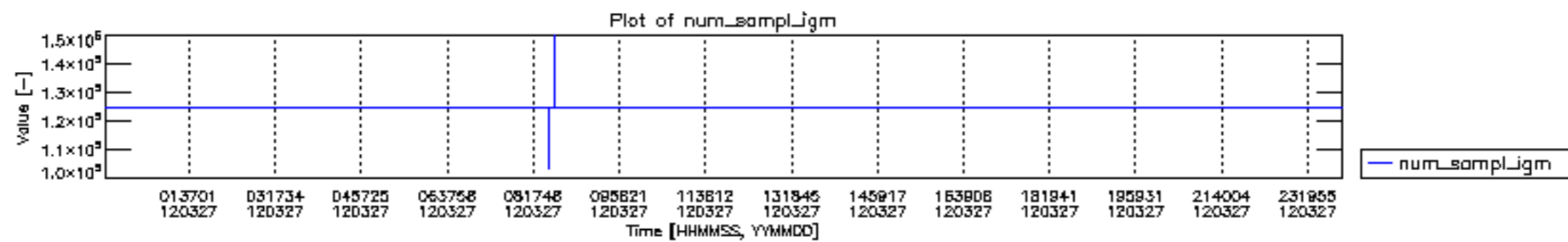
0	MIP_NL__0PNPDE20120327_005357_000058533113_00088_52688_1300.N1	0	1
1	MIP_NL__0PNPDE20120327_022938_000045653113_00089_52689_1301.N1	0	1
2	MIP_NL__0PNPDE20120327_034509_000061063113_00090_52690_1302.N1	0	1
3	MIP_NL__0PNPDE20120327_052622_000060463113_00091_52691_1303.N1	0	1
4	MIP_NL__0PNPDK20120327_070634_000040903113_00092_52692_9042.N1	0	1
5	MIP_NL__0PNPDK20120327_081411_000060883113_00093_52693_9043.N1	0	1
6	MIP_NL__0PNPDK20120327_095505_000060313113_00094_52694_9044.N1	0	2
7	MIP_NL__0PNPDK20120327_113452_000059083113_00095_52695_9045.N1	0	2
8	MIP_NL__0PNPDK20120327_131246_000059393113_00096_52696_9046.N1	0	2
9	MIP_NL__0PNPDK20120327_145010_000059003113_00097_52697_9047.N1	0	2
10	MIP_NL__0PNPDK20120327_162733_000058663113_00098_52698_9048.N1	0	2
11	MIP_NL__0PNPDK20120327_180422_000060293113_00099_52699_9049.N1	0	2
12	MIP_NL__0PNPDE20120327_194309_000041283113_00100_52700_1304.N1	0	2
13	MIP_NL__0PNPDE20120327_205050_000064663113_00100_52700_1305.N1	0	2
14	MIP_NL__0PNPDE20120327_223739_000060273113_00101_52701_1306.N1	0	2

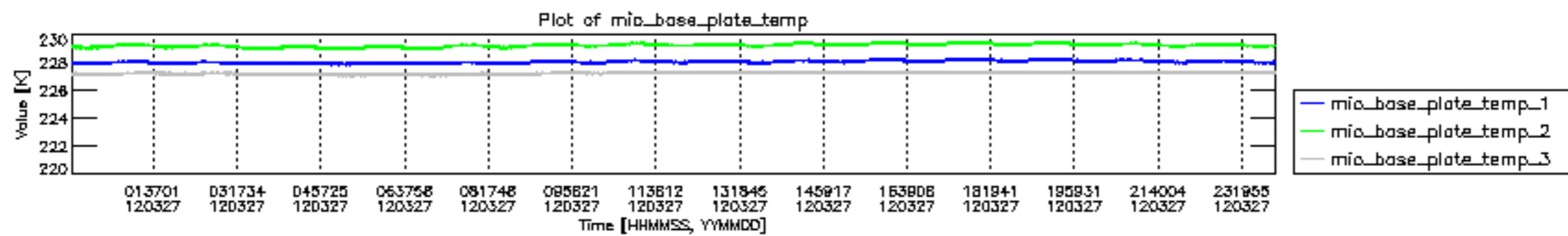


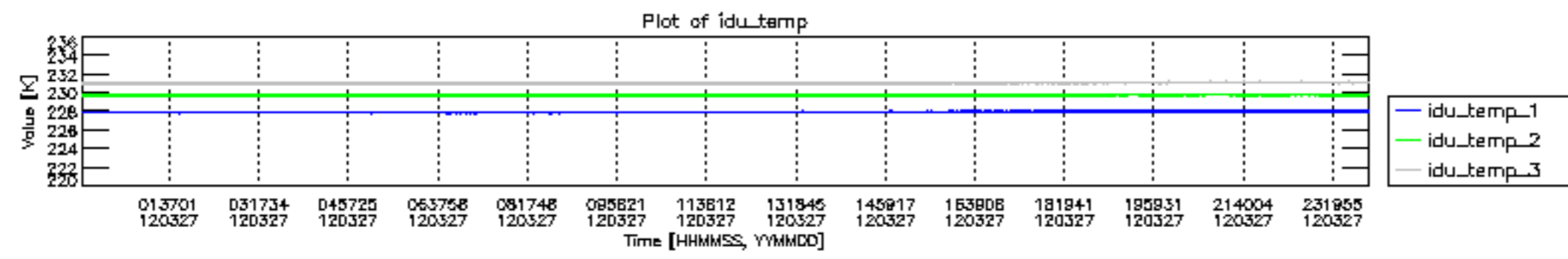
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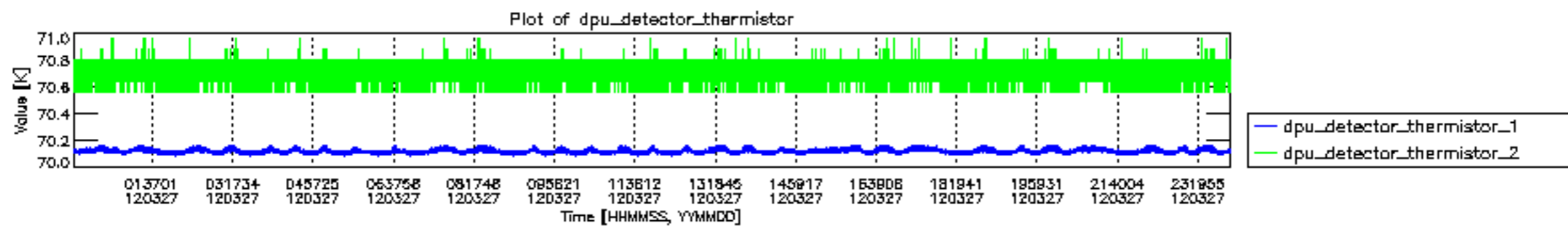


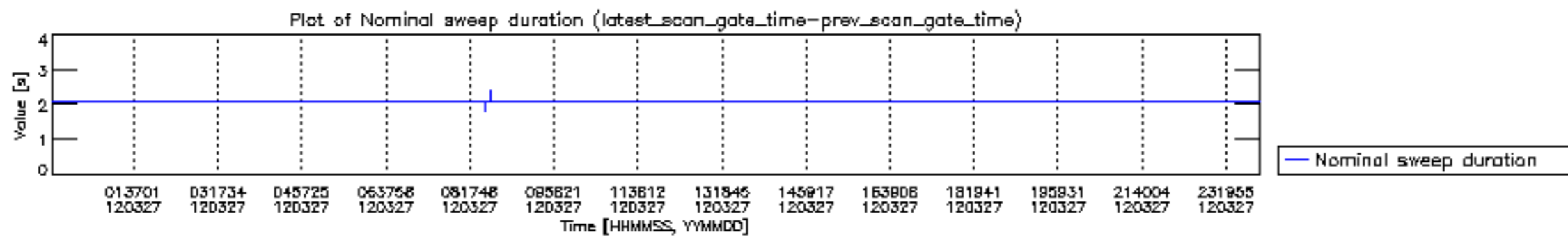
mipas_daily_report_level0_KSPT_L0_4504_N_20120327_13.PNG

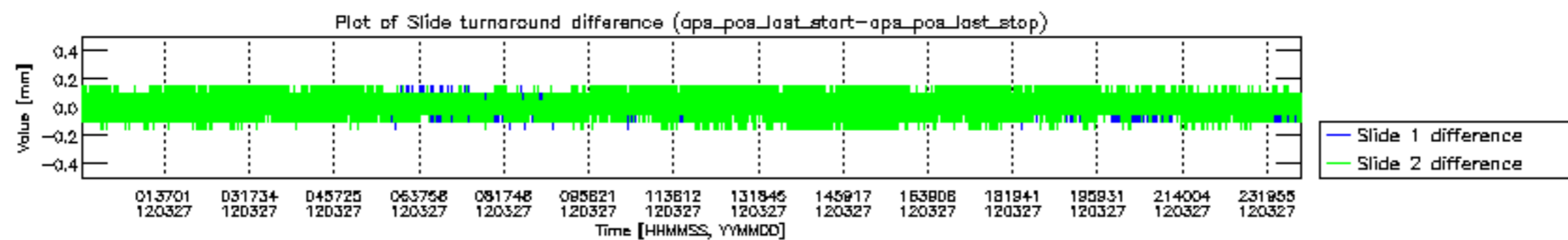


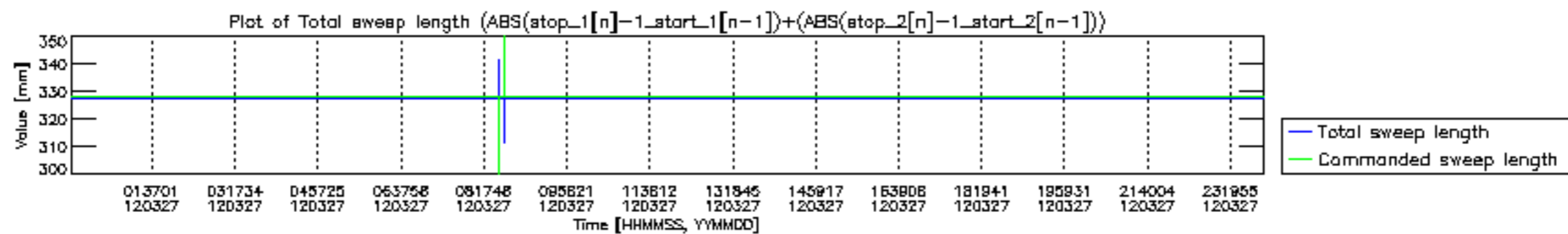


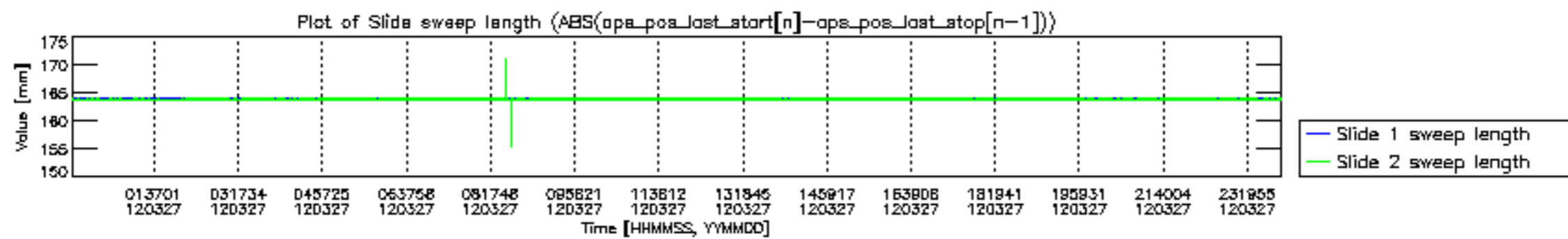


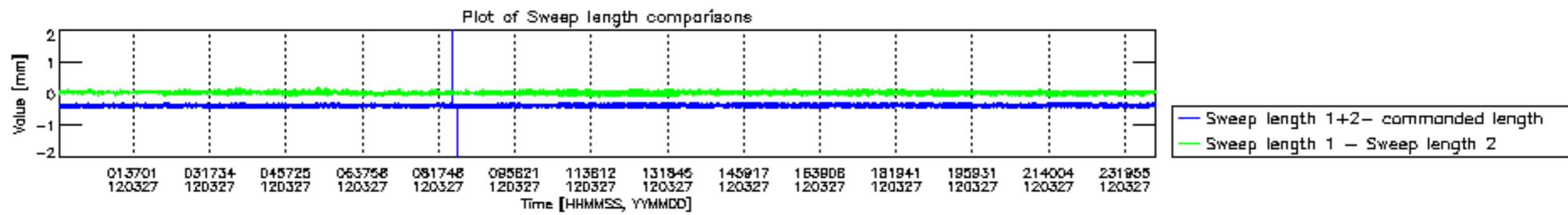


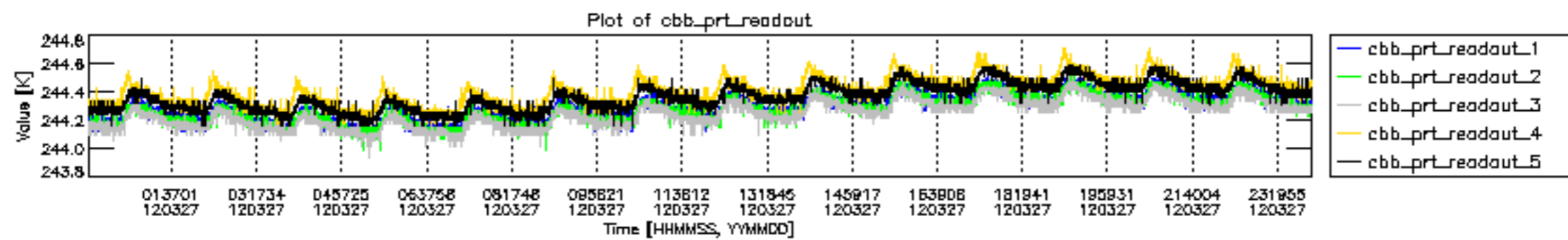


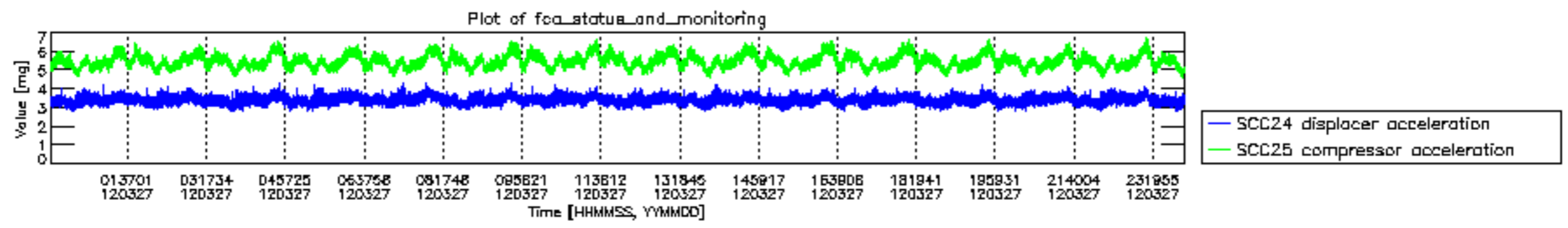












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

