

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	01FEB2012 05:24:23
Data source version	KSPT_L0/4504-N
Processing scope for products	27JAN2012 00:00:00 to 28JAN2012 00:00:00
Start time of first product within scope	27JAN2012 00:51:58
Stop time of last product within scope	28JAN2012 00:18:02
Total number of level 0 products	15
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__0PNPDE20120127_005158_000058573111_00088_51826_5425.N1	27JAN2012 00:51:58	27JAN2012 02:29:35	0	0	0	0	0
1	MIP_NL__0PNPDE20120127_022837_000045793111_00089_51827_5426.N1	27JAN2012 02:28:37	27JAN2012 03:44:56	0	0	0	0	0
2	MIP_NL__0PNPDE20120127_034422_000061403111_00090_51828_5431.N1	27JAN2012 03:44:22	27JAN2012 05:26:42	0	0	0	0	0
3	MIP_NL__0PNPDE20120127_052609_000060483111_00091_51829_5432.N1	27JAN2012 05:26:09	27JAN2012 07:06:56	0	0	0	0	0
4	MIP_NL__0PNPDK20120127_070621_000041203111_00092_51830_8373.N1	27JAN2012 07:06:21	27JAN2012 08:15:00	0	0	0	0	0
5	MIP_NL__0PNPDK20120127_081404_000060683111_00093_51831_8374.N1	27JAN2012 08:14:04	27JAN2012 09:55:12	0	0	0	0	0
6	MIP_NL__0PNPDK20120127_095336_000059163111_00094_51832_8375.N1	27JAN2012 09:53:36	27JAN2012 11:32:12	0	0	0	0	0
7	MIP_NL__0PNPDK20120127_113057_000061523111_00095_51833_8376.N1	27JAN2012 11:30:57	27JAN2012 13:13:29	0	0	0	0	0
8	MIP_NL__0PNPDK20120127_131232_000058163111_00096_51834_8377.N1	27JAN2012 13:12:32	27JAN2012 14:49:28	0	0	0	0	0
9	MIP_NL__0PNPDK20120127_144830_000060083111_00097_51835_8378.N1	27JAN2012 14:48:30	27JAN2012 16:28:38	0	0	0	0	0
10	MIP_NL__0PNPDK20120127_162804_000058513111_00098_51836_8379.N1	27JAN2012 16:28:04	27JAN2012 18:05:36	0	0	0	0	0
11	MIP_NL__0PNPDK20120127_180439_000058333111_00099_51837_8380.N1	27JAN2012 18:04:39	27JAN2012 19:41:52	0	0	0	0	0
12	MIP_NL__0PNPDE20120127_194005_000043283111_00100_51838_5433.N1	27JAN2012 19:40:05	27JAN2012 20:52:14	0	0	0	0	0
13	MIP_NL__0PNPDE20120127_205115_000063903111_00100_51838_5434.N1	27JAN2012 20:51:15	27JAN2012 22:37:46	0	0	0	0	0
14	MIP_NL__0PNPDE20120127_223637_000060853111_00101_51839_5435.N1	27JAN2012 22:36:37	28JAN2012 00:18:02	0	0	0	0	0

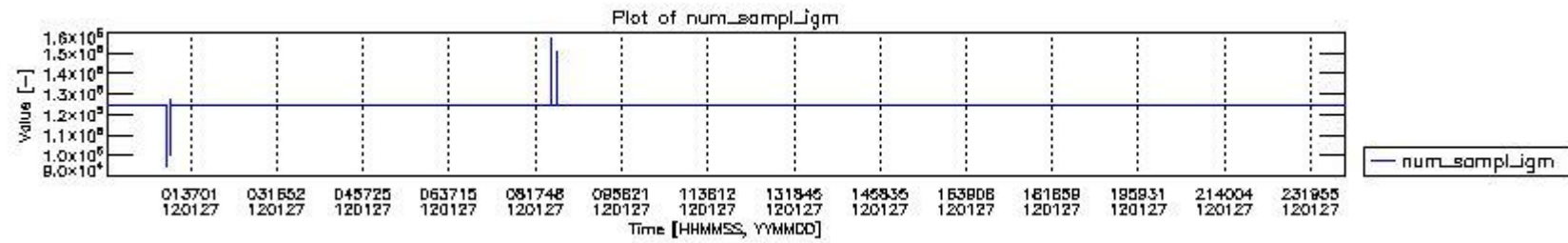
0.2 Instrument Operational Performance Parameters

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.

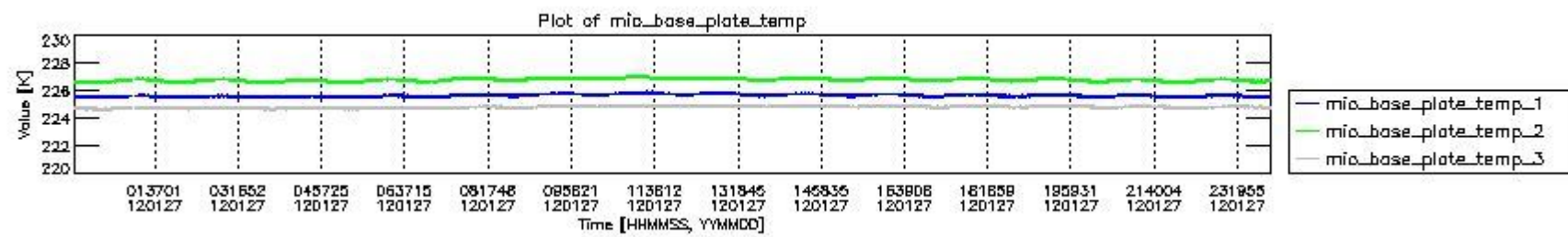
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
94934	1	0.0024104517
99801	1	0.0024104517
100706	1	0.0024104517

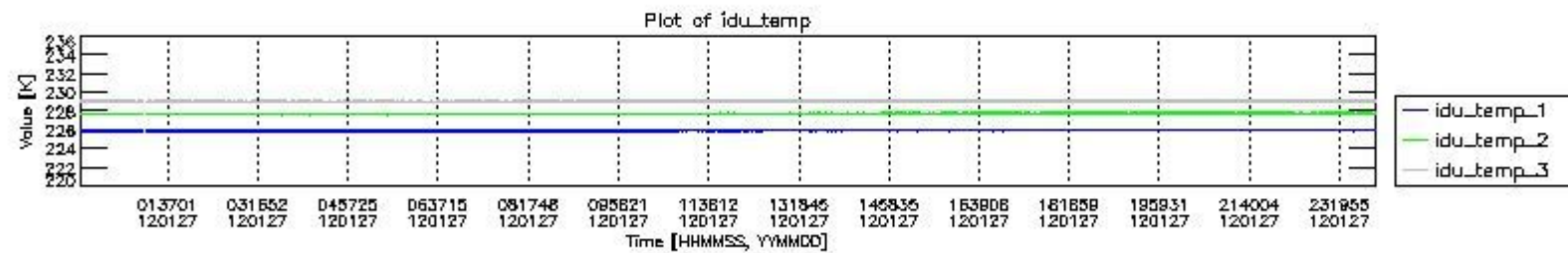
119936	1	0.0024104517
124800	38559	92.944608
124803	2915	7.0264668
125958	1	0.0024104517
127116	1	0.0024104517
127456	1	0.0024104517
130950	1	0.0024104517
147588	1	0.0024104517
150244	1	0.0024104517
151082	1	0.0024104517
157232	1	0.0024104517



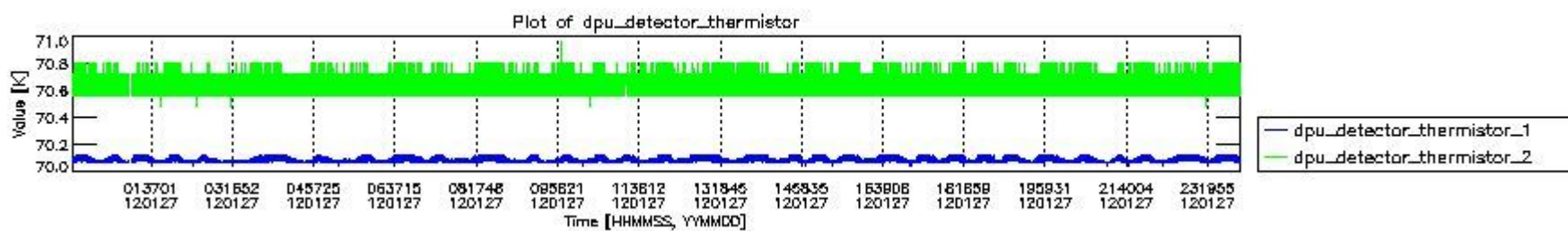
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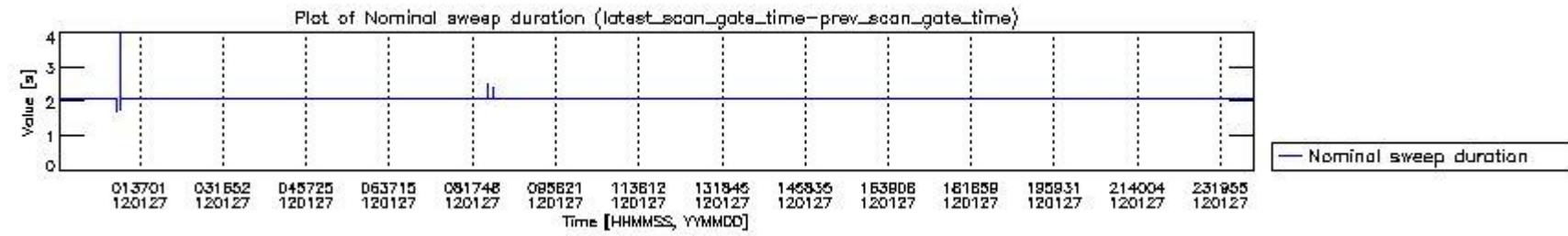
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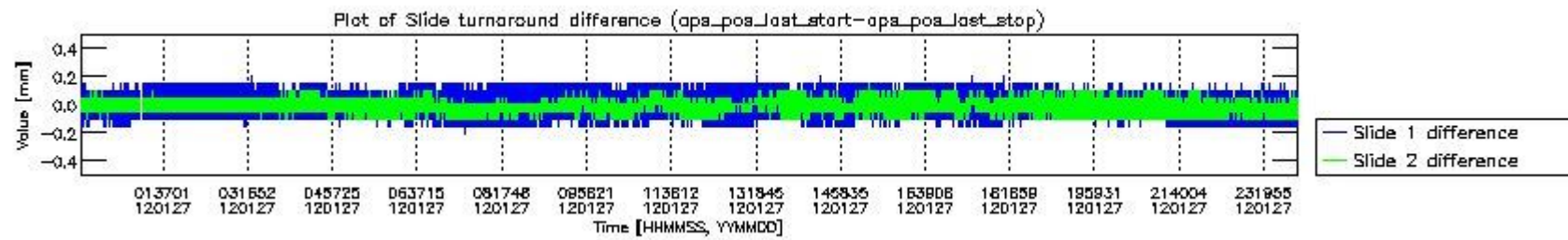
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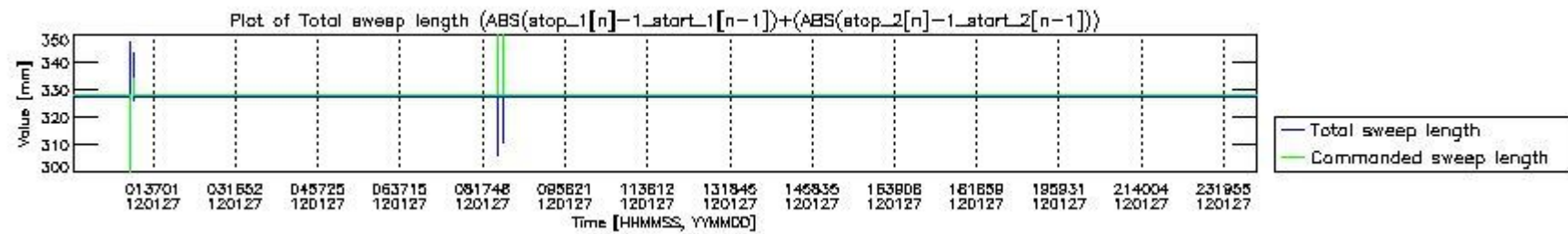
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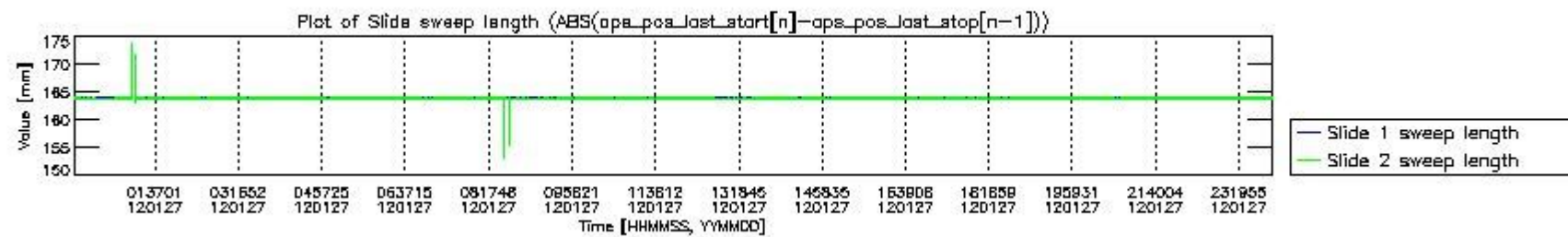
mipas_daily_report_level0_KSPT_L0_4504_N_20120127_4.PNG



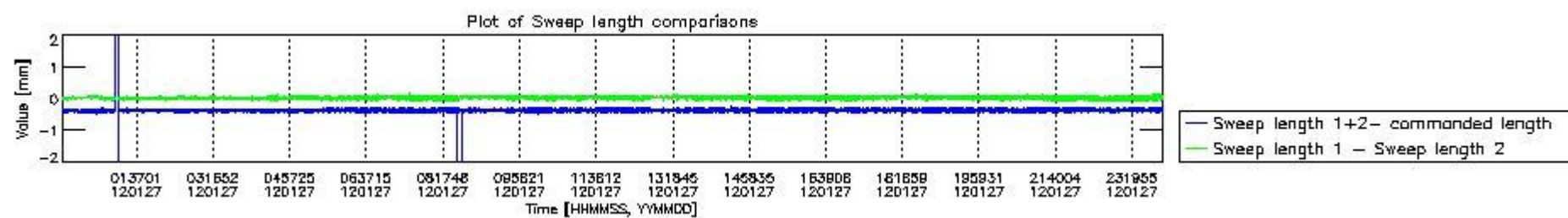
mipas_daily_report_level0_KSPT_L0_4504_N_20120127_5.PNG



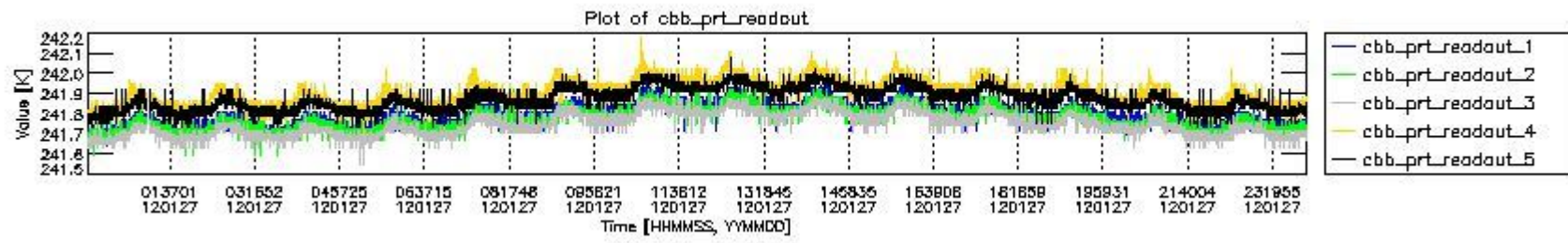
mipas_daily_report_level0_KSPT_L0_4504_N_20120127_6.PNG



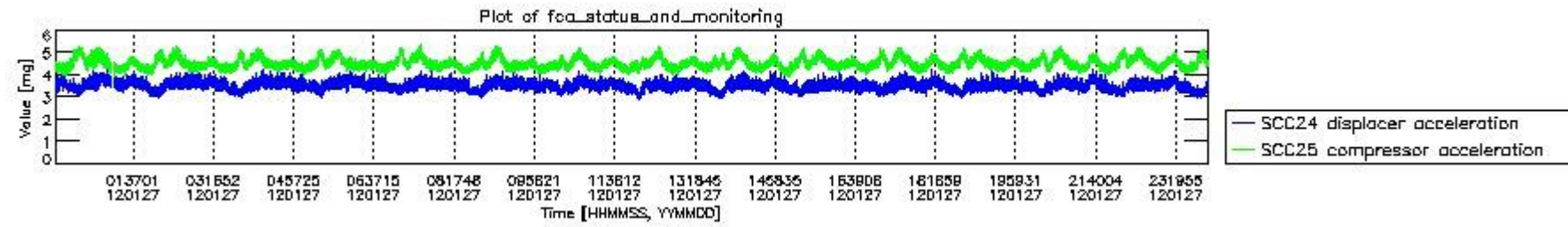
mipas_daily_report_level0_KSPT_L0_4504_N_20120127_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120127_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120127_9.PNG

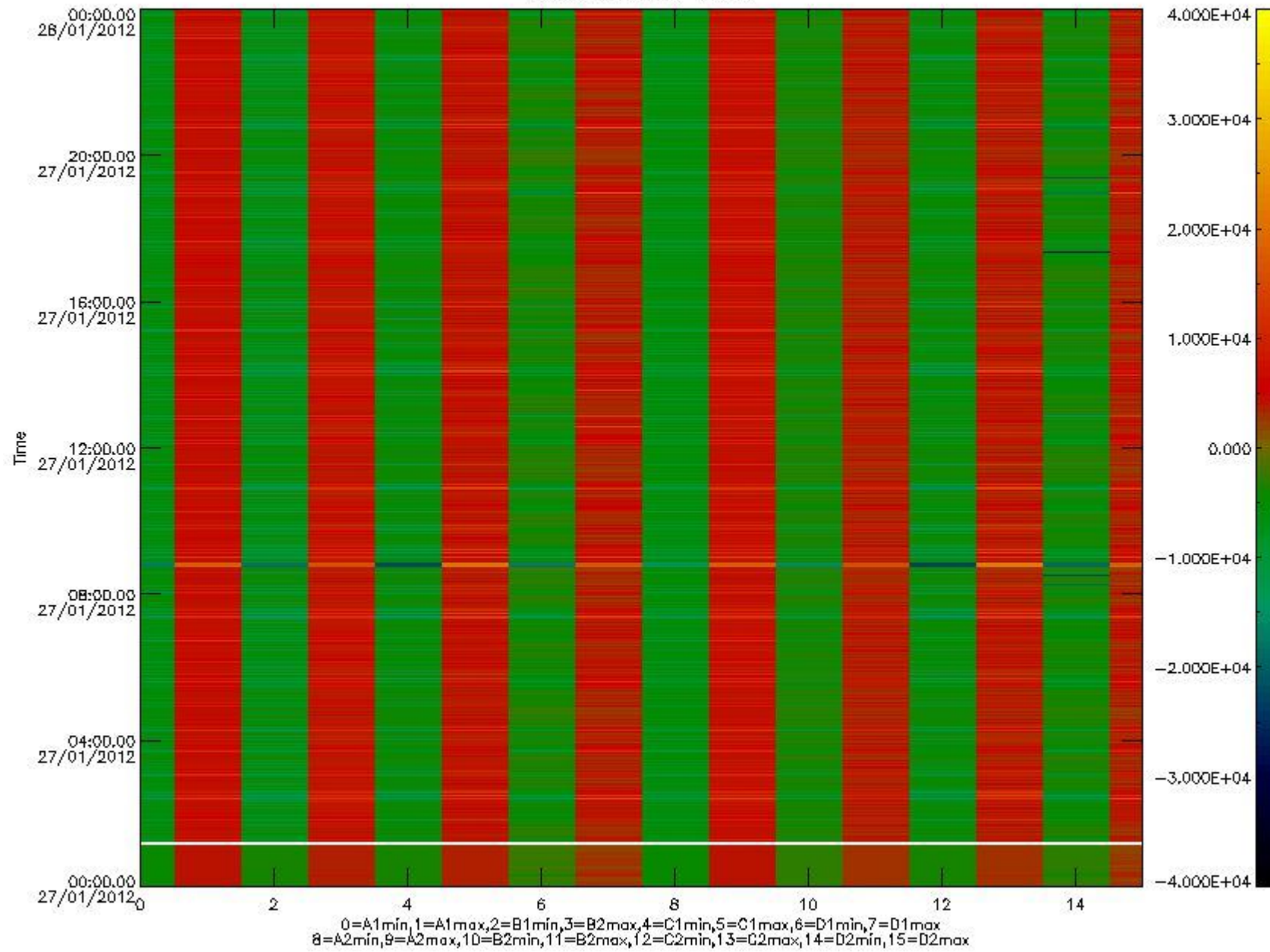


mipas_daily_report_level0_KSPT_L0_4504_N_20120127_10.PNG

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

Channel	Min	Max	ADC
A1	-17201	18106	16bit
B1	-18795	16344	16bit
C1	-24799	21890	16bit
D1	-23461	32767	16bit
A2	-15007	18323	16bit
B2	-16494	16315	16bit
C2	-23018	22512	16bit
D2	-32768	26121	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120127_11.PNG

0.3 ADF monitoring

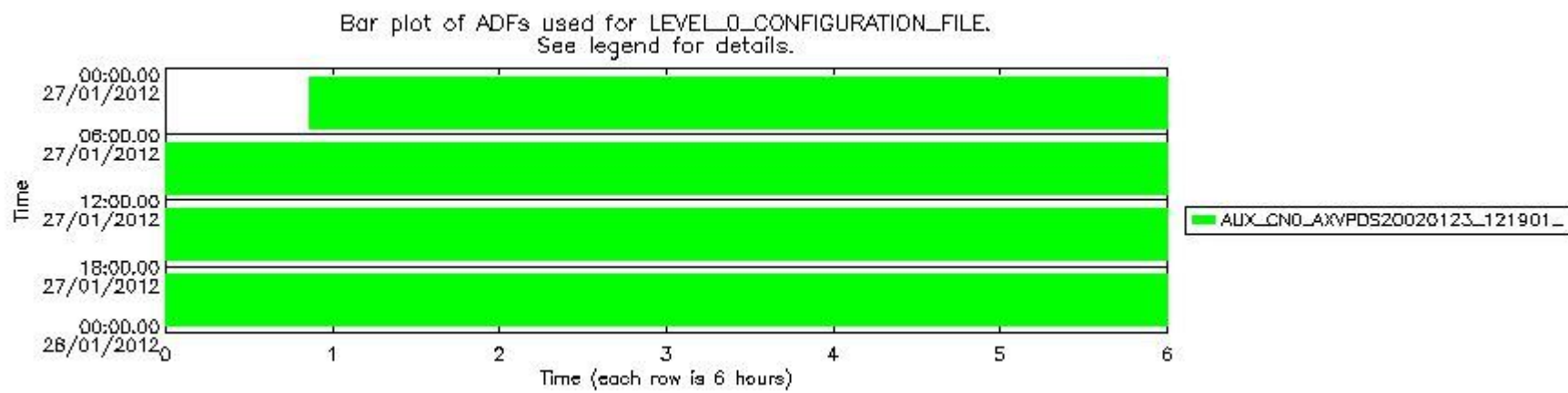
The use of ADFs is shown in two ways:

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.

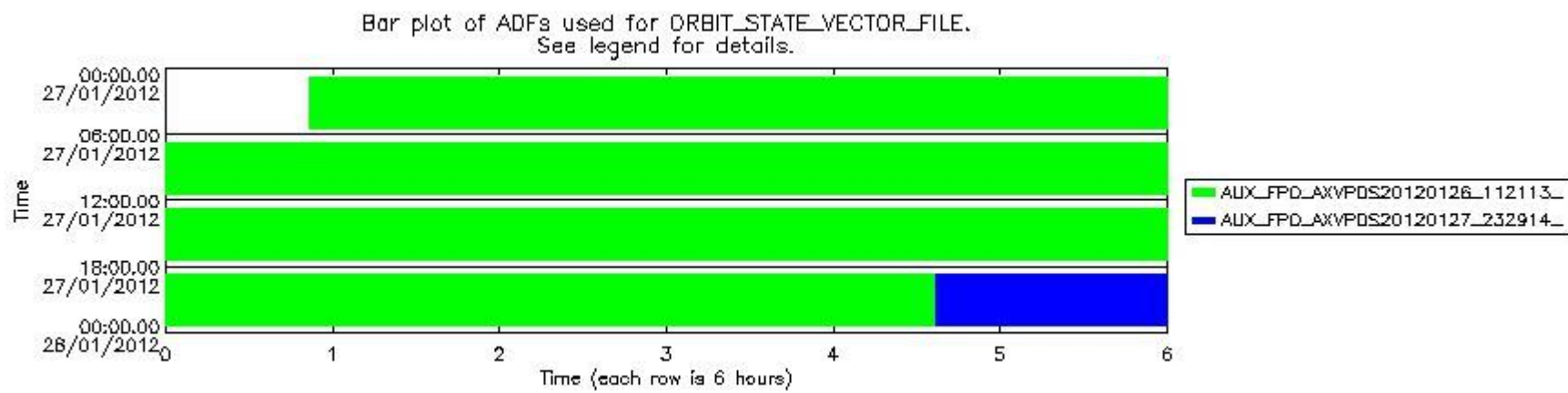
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120126_112113_20120125_190045_20120204_211424
2	AUX_FPO_AXVPDS20120127_232914_20120126_182400_20120205_203739

Number	Product name	#CN0	#FPO
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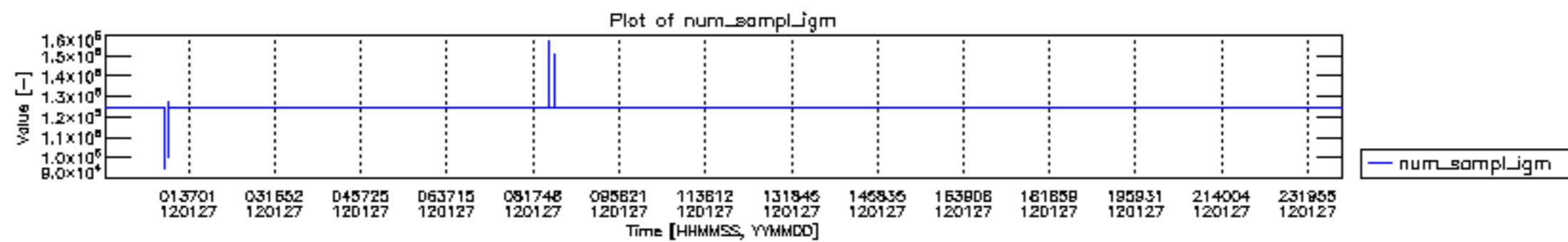
0	MIP_NL__0PNPDE20120127_005158_000058573111_00088_51826_5425.N1	0	1
1	MIP_NL__0PNPDE20120127_022837_000045793111_00089_51827_5426.N1	0	1
2	MIP_NL__0PNPDE20120127_034422_000061403111_00090_51828_5431.N1	0	1
3	MIP_NL__0PNPDE20120127_052609_000060483111_00091_51829_5432.N1	0	1
4	MIP_NL__0PNPDK20120127_070621_000041203111_00092_51830_8373.N1	0	1
5	MIP_NL__0PNPDK20120127_081404_000060683111_00093_51831_8374.N1	0	1
6	MIP_NL__0PNPDK20120127_095336_000059163111_00094_51832_8375.N1	0	1
7	MIP_NL__0PNPDK20120127_113057_000061523111_00095_51833_8376.N1	0	1
8	MIP_NL__0PNPDK20120127_131232_000058163111_00096_51834_8377.N1	0	1
9	MIP_NL__0PNPDK20120127_144830_000060083111_00097_51835_8378.N1	0	1
10	MIP_NL__0PNPDK20120127_162804_000058513111_00098_51836_8379.N1	0	1
11	MIP_NL__0PNPDK20120127_180439_000058333111_00099_51837_8380.N1	0	1
12	MIP_NL__0PNPDE20120127_194005_000043283111_00100_51838_5433.N1	0	1
13	MIP_NL__0PNPDE20120127_205115_000063903111_00100_51838_5434.N1	0	1
14	MIP_NL__0PNPDE20120127_223637_000060853111_00101_51839_5435.N1	0	2

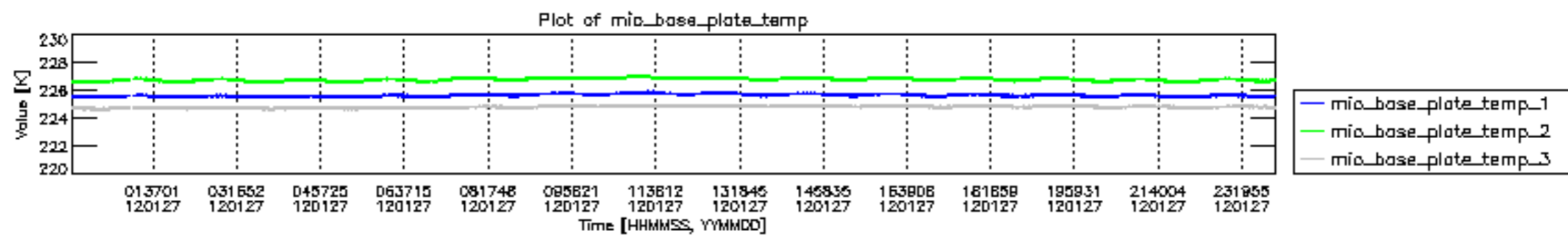


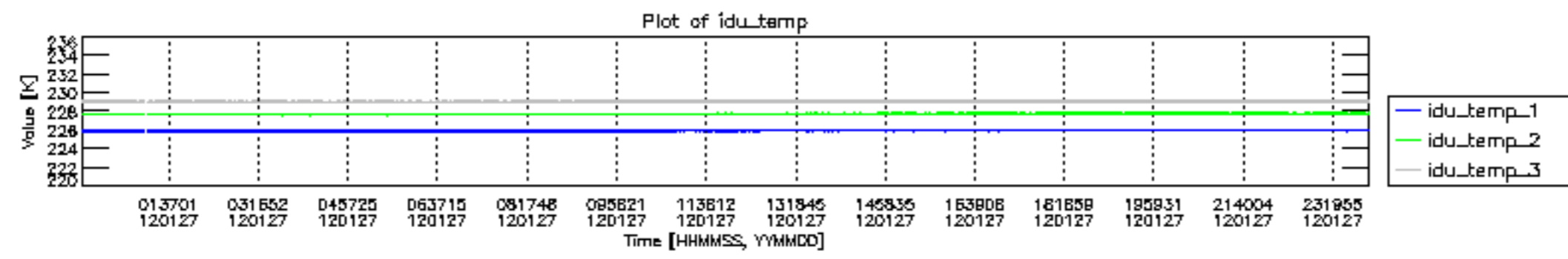
mipas_daily_report_level0_KSPT_L0_4504_N_20120127_12.PNG

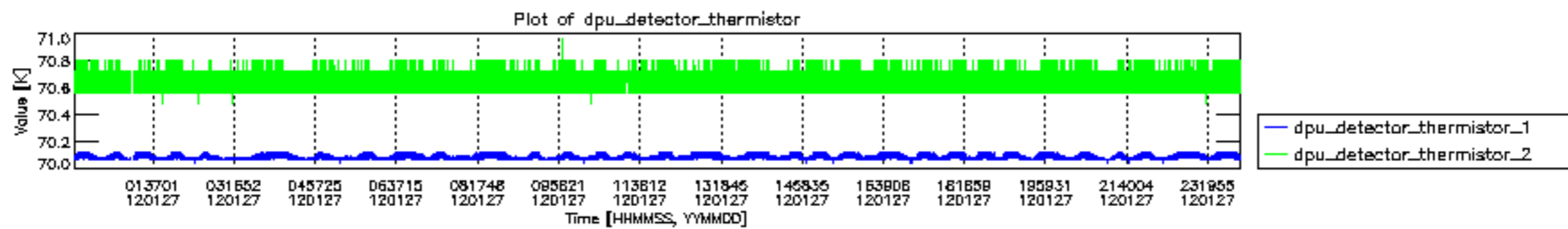


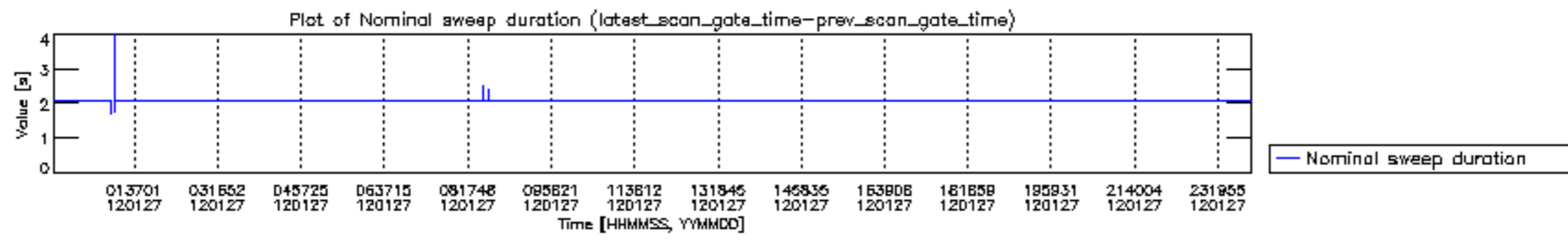
mipas_daily_report_level0_KSPT_L0_4504_N_20120127_13.PNG

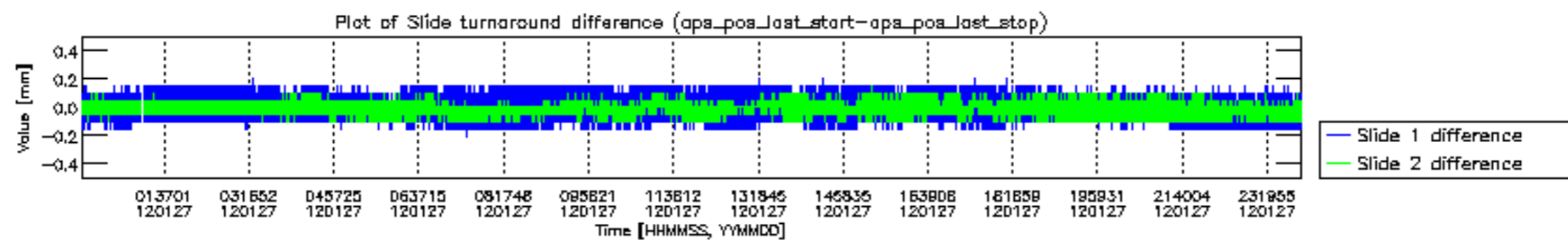


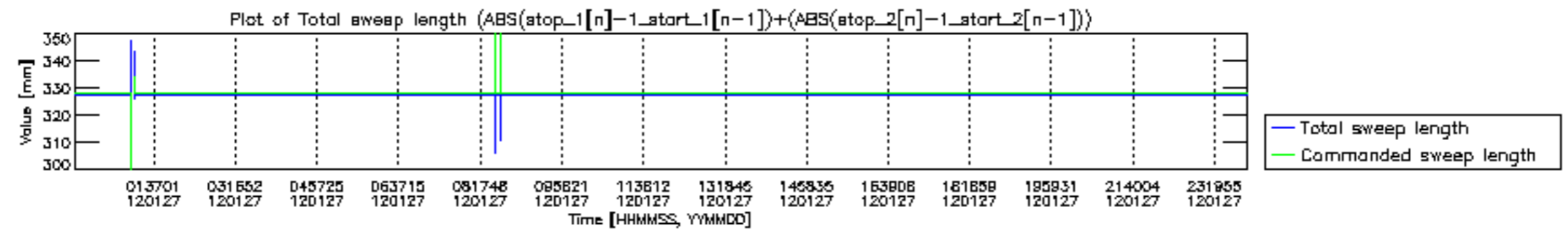


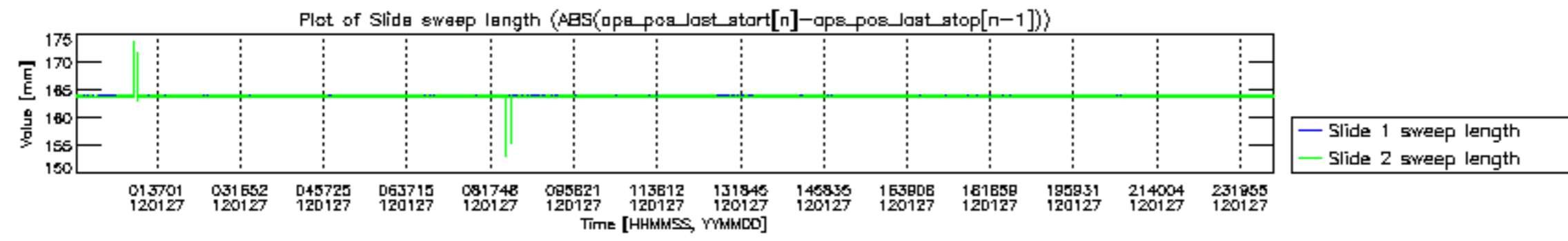


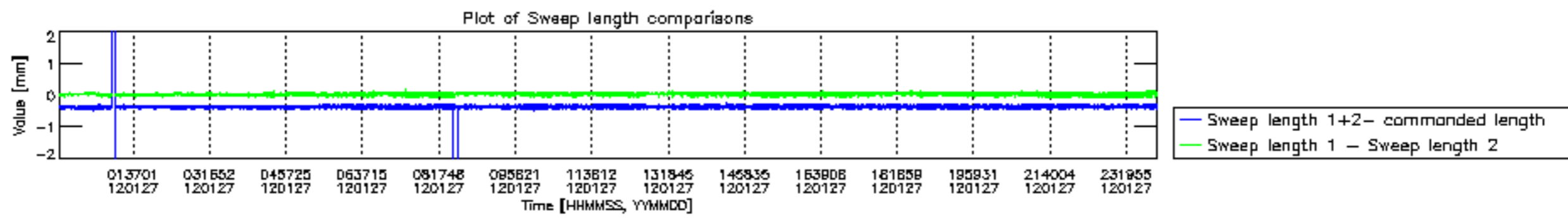


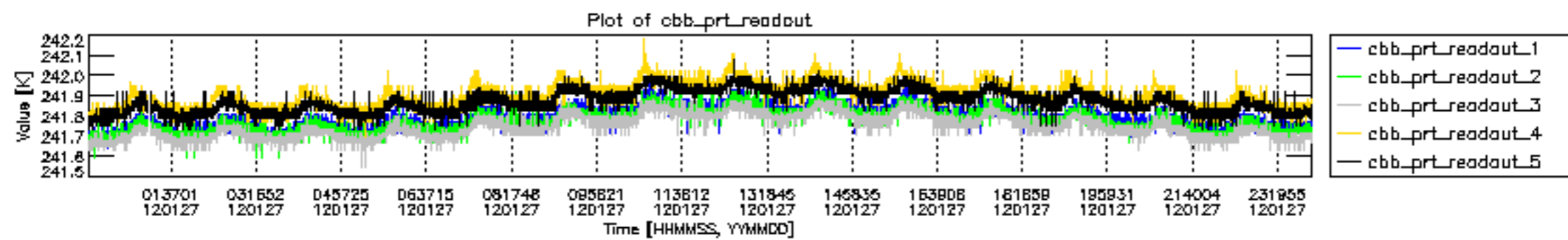


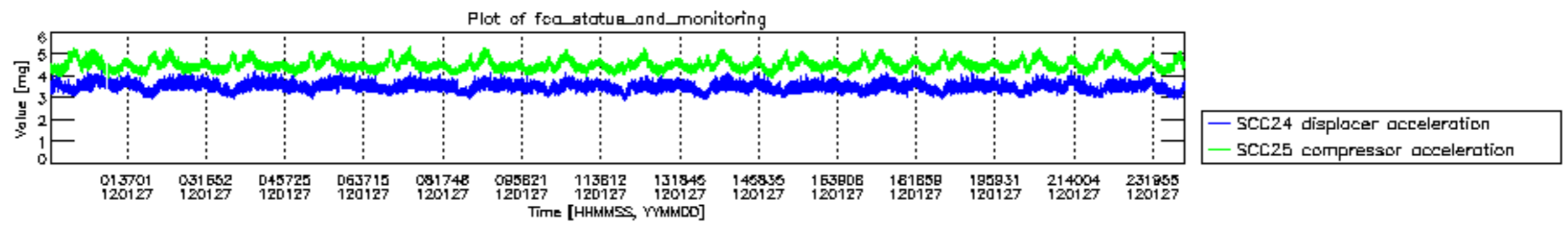












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



