

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	11FEB2012 05:22:08
Data source version	KSPT_L0/4504-N
Processing scope for products	06FEB2012 00:00:00 to 07FEB2012 00:00:00
Start time of first product within scope	06FEB2012 01:25:49
Stop time of last product within scope	07FEB2012 00:52:01
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__0PNPDE20120206_012549_000103073111_00232_51970_0972.N1	06FEB2012 01:25:49	06FEB2012 04:17:35	0	0	0	0	0
1	MIP_NL__0PNPDE20120206_041704_000061713111_00234_51972_0973.N1	06FEB2012 04:17:04	06FEB2012 05:59:55	0	0	0	0	0
2	MIP_NL__0PNPDE20120206_055922_000062293111_00235_51973_0974.N1	06FEB2012 05:59:22	06FEB2012 07:43:11	0	0	0	0	0
3	MIP_NL__0PNPDK20120206_074237_000038083111_00236_51974_8459.N1	06FEB2012 07:42:37	06FEB2012 08:46:06	0	0	0	0	0
4	MIP_NL__0PNPDK20120206_084507_000062113111_00237_51975_8460.N1	06FEB2012 08:45:07	06FEB2012 10:28:38	0	0	0	0	0
5	MIP_NL__0PNPDK20120206_102700_000060773111_00238_51976_8461.N1	06FEB2012 10:27:00	06FEB2012 12:08:16	0	0	0	0	0
6	MIP_NL__0PNPDK20120206_120638_000059433111_00239_51977_8462.N1	06FEB2012 12:06:38	06FEB2012 13:45:41	0	0	0	0	0
7	MIP_NL__0PNPDK20120206_134445_000058473111_00240_51978_8463.N1	06FEB2012 13:44:45	06FEB2012 15:22:12	0	0	0	0	0
8	MIP_NL__0PNPDK20120206_152103_000060393111_00241_51979_8464.N1	06FEB2012 15:21:03	06FEB2012 17:01:43	0	0	0	0	0
9	MIP_NL__0PNPDK20120206_170109_000058583111_00242_51980_8465.N1	06FEB2012 17:01:09	06FEB2012 18:38:47	0	0	0	0	0
10	MIP_NL__0PNPDK20120206_183700_000059043111_00243_51981_8466.N1	06FEB2012 18:37:00	06FEB2012 20:15:24	0	0	0	0	0
11	MIP_NL__0PNPDE20120206_201413_000045603111_00244_51982_0978.N1	06FEB2012 20:14:13	06FEB2012 21:30:13	0	0	0	0	0
12	MIP_NL__0PNPDE20120206_212908_000061353111_00244_51982_0979.N1	06FEB2012 21:29:08	06FEB2012 23:11:24	0	0	0	0	0
13	MIP_NL__0PNPDE20120206_231017_000061043111_00245_51983_0980.N1	06FEB2012 23:10:17	07FEB2012 00:52:01	0	0	0	0	0

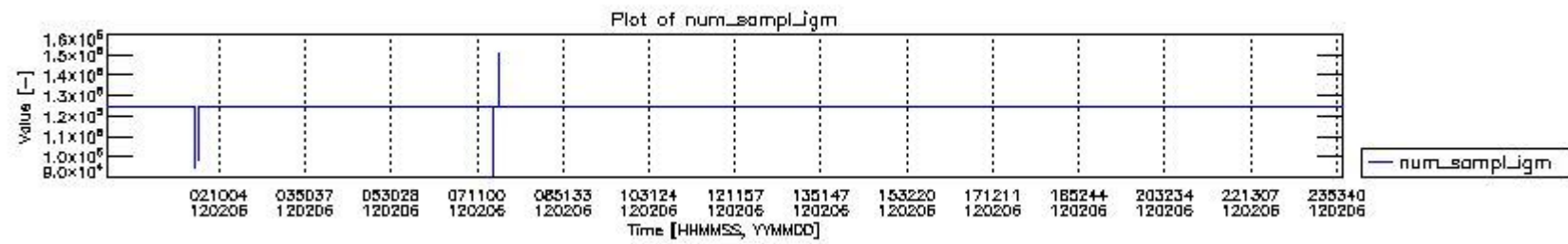
0.2 Instrument Operational Performance Parameters

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.

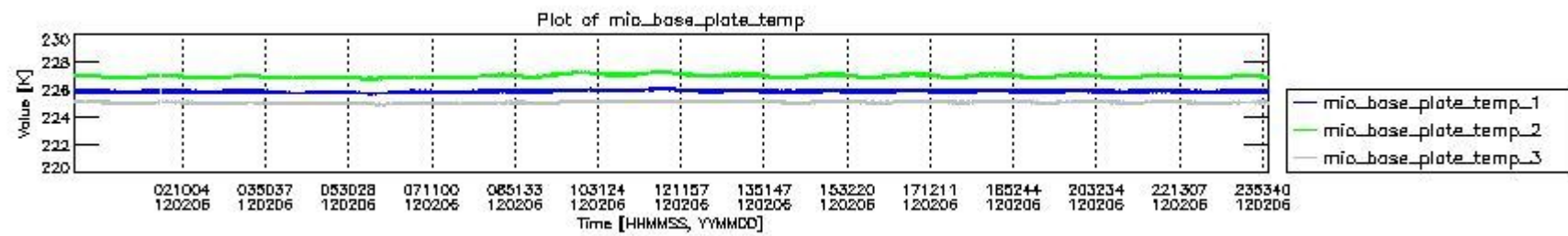
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
91218	1	0.0024083618
94786	1	0.0024083618
97943	1	0.0024083618
98847	1	0.0024083618

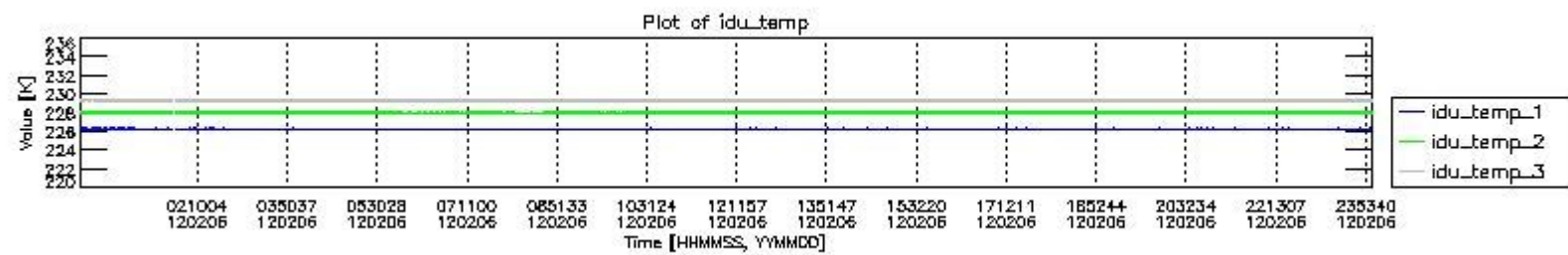
99727	1	0.0024083618
118075	1	0.0024083618
119859	1	0.0024083618
123398	1	0.0024083618
124099	1	0.0024083618
124800	38604	92.972400
124803	2906	6.9986995
127605	1	0.0024083618
147737	1	0.0024083618
150542	1	0.0024083618



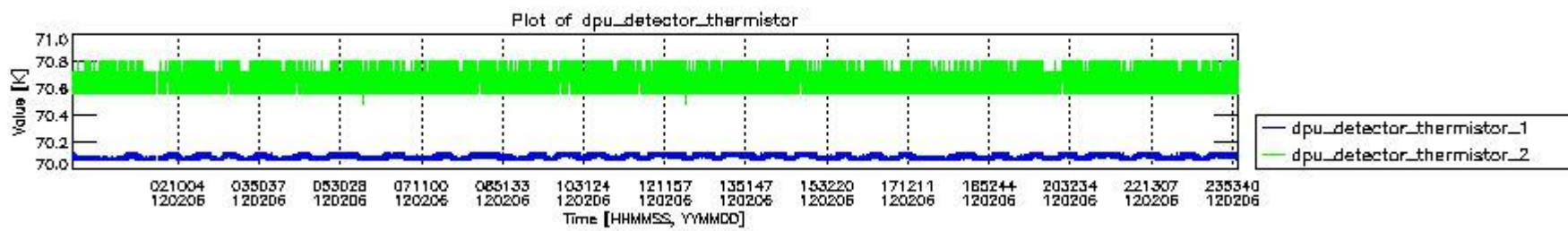
mipas_daily_report_level0_KSPT_L0_4504_N_20120206_0.PNG



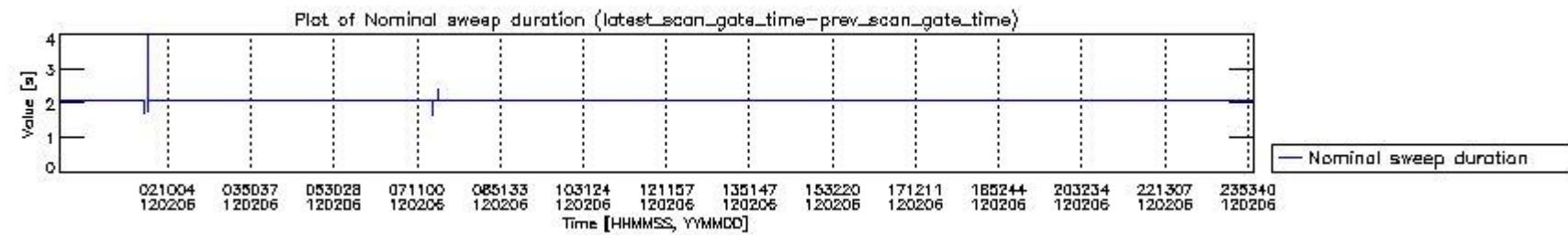
mipas_daily_report_level0_KSPT_L0_4504_N_20120206_1.PNG



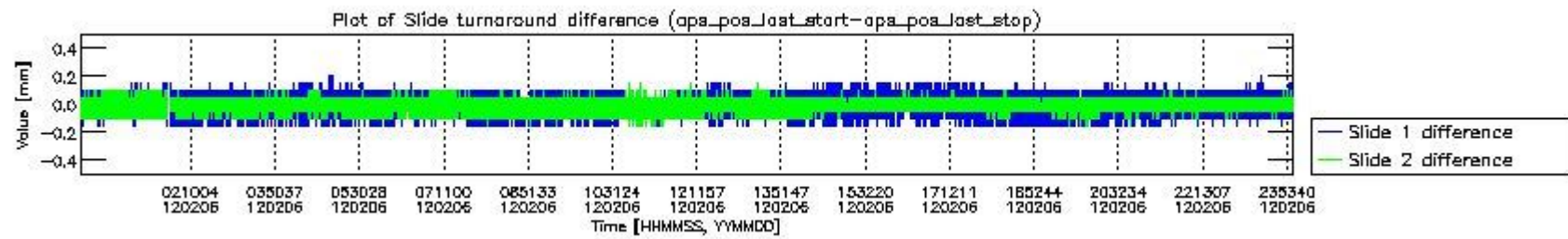
mipas_daily_report_level0_KSPT_L0_4504_N_20120206_2.PNG



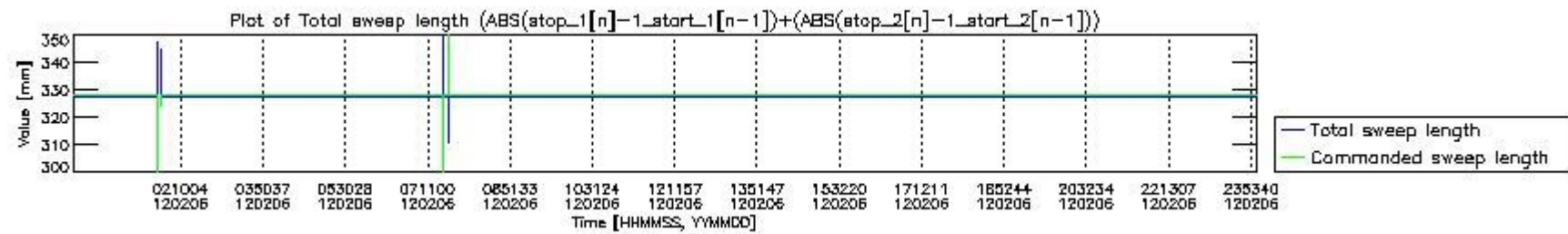
mipas_daily_report_level0_KSPT_L0_4504_N_20120206_3.PNG



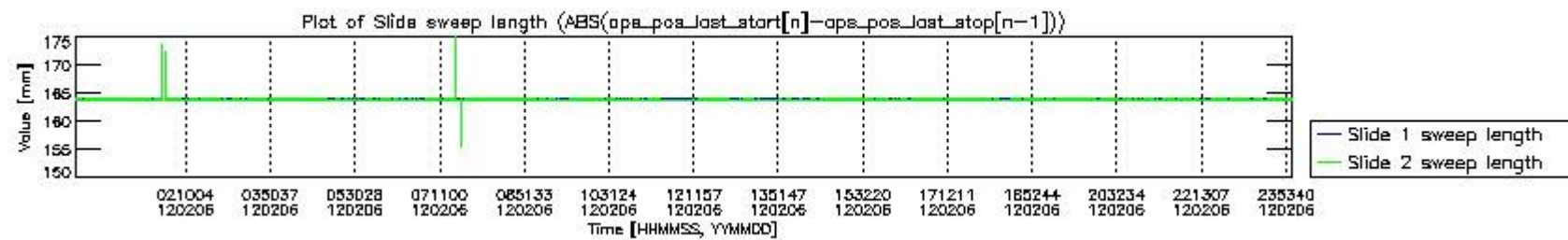
mipas_daily_report_level0_KSPT_L0_4504_N_20120206_4.PNG



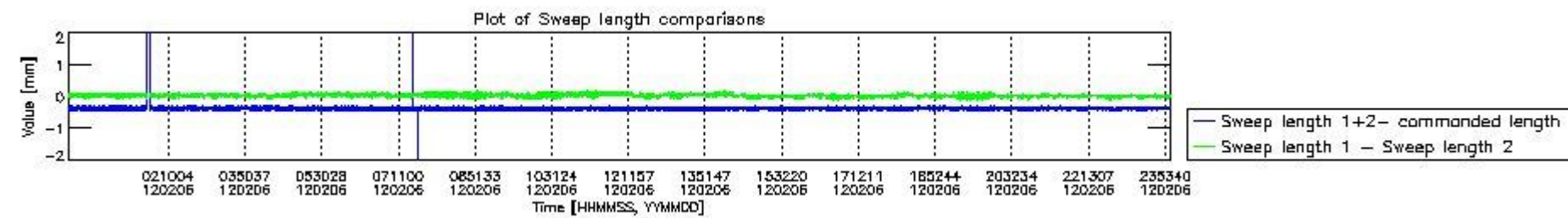
mipas_daily_report_level0_KSPT_L0_4504_N_20120206_5.PNG



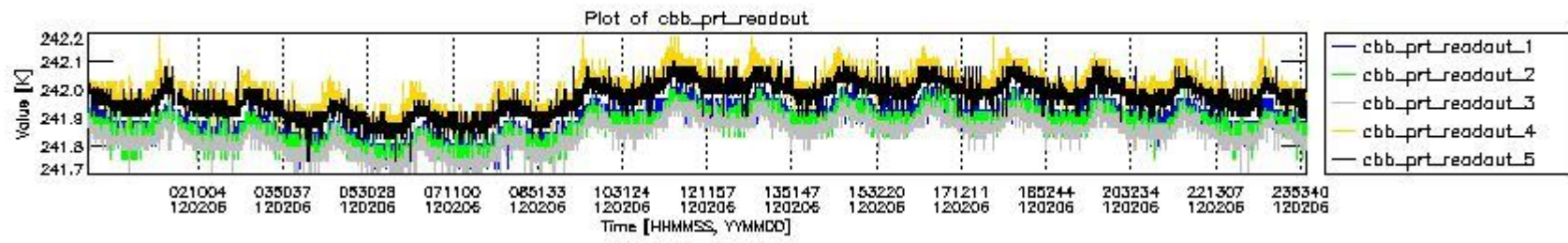
mipas_daily_report_level0_KSPT_L0_4504_N_20120206_6.PNG



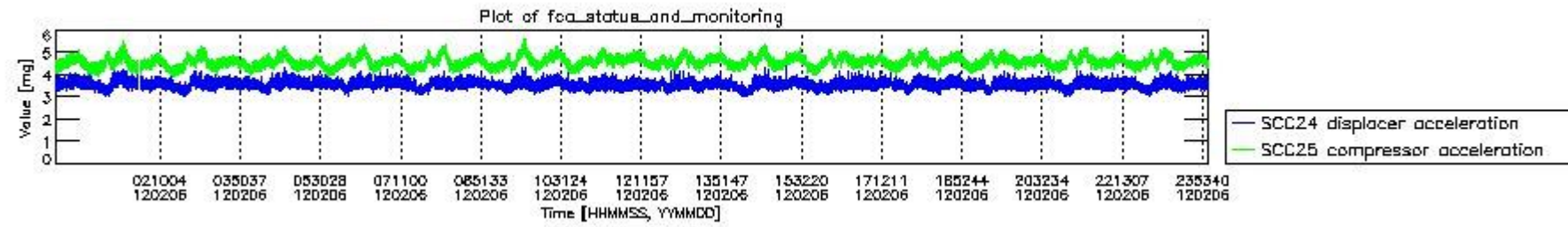
mipas_daily_report_level0_KSPT_L0_4504_N_20120206_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120206_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120206_9.PNG

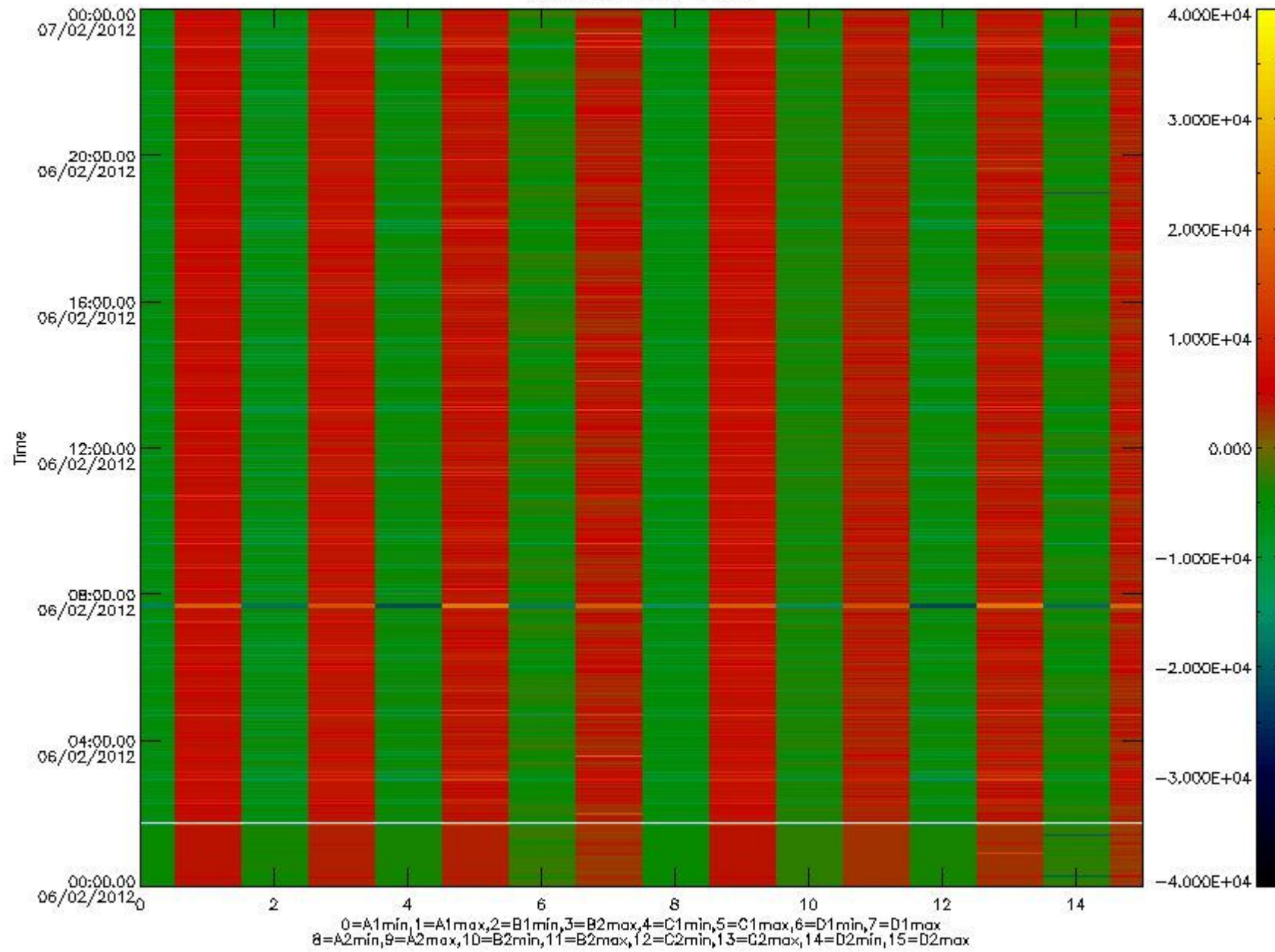


mipas_daily_report_level0_KSPT_L0_4504_N_20120206_10.PNG

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

Channel	Min	Max	ADC
A1	-17179	18061	16bit
B1	-18827	16367	16bit
C1	-28187	28314	16bit
D1	-32768	32767	16bit
A2	-15010	18302	16bit
B2	-16529	16362	16bit
C2	-28965	27998	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_20120206_11.PNG

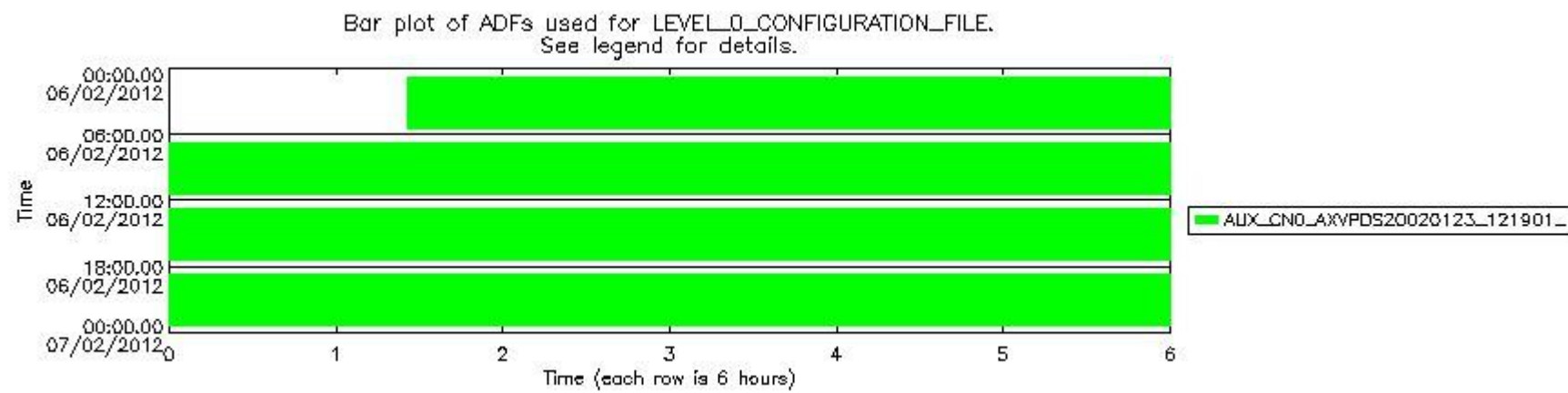
0.3 ADF monitoring

The use of ADFs is shown in two ways:

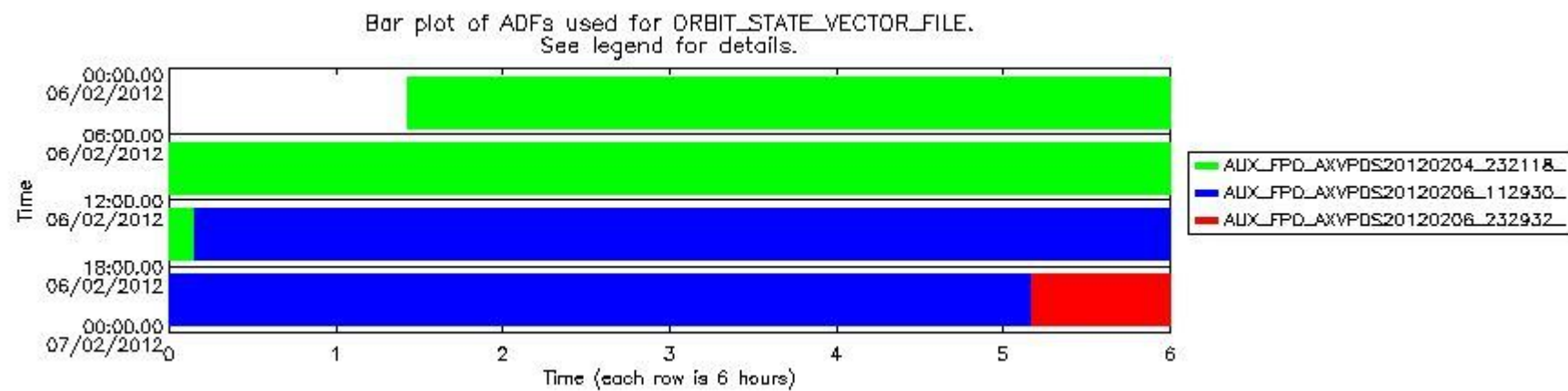
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120204_232118_20120204_193410_20120214_200735
2	AUX_FPO_AXVPDS20120206_112930_20120205_185725_20120215_211104
3	AUX_FPO_AXVPDS20120206_232932_20120206_182040_20120216_203419

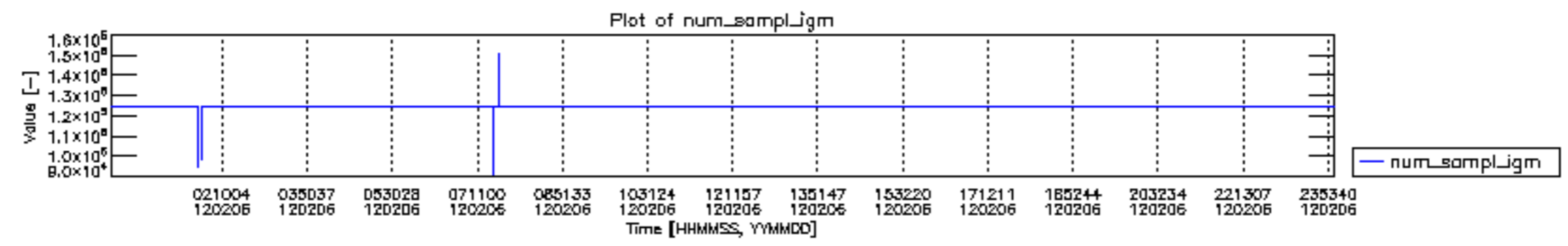
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120206_012549_000103073111_00232_51970_0972.N1	0	1
1	MIP_NL__0PNPDE20120206_041704_000061713111_00234_51972_0973.N1	0	1
2	MIP_NL__0PNPDE20120206_055922_000062293111_00235_51973_0974.N1	0	1
3	MIP_NL__0PNPDK20120206_074237_000038083111_00236_51974_8459.N1	0	1
4	MIP_NL__0PNPDK20120206_084507_000062113111_00237_51975_8460.N1	0	1
5	MIP_NL__0PNPDK20120206_102700_000060773111_00238_51976_8461.N1	0	1
6	MIP_NL__0PNPDK20120206_120638_000059433111_00239_51977_8462.N1	0	2
7	MIP_NL__0PNPDK20120206_134445_000058473111_00240_51978_8463.N1	0	2
8	MIP_NL__0PNPDK20120206_152103_000060393111_00241_51979_8464.N1	0	2
9	MIP_NL__0PNPDK20120206_170109_000058583111_00242_51980_8465.N1	0	2
10	MIP_NL__0PNPDK20120206_183700_000059043111_00243_51981_8466.N1	0	2
11	MIP_NL__0PNPDE20120206_201413_000045603111_00244_51982_0978.N1	0	2
12	MIP_NL__0PNPDE20120206_212908_000061353111_00244_51982_0979.N1	0	2
13	MIP_NL__0PNPDE20120206_231017_000061043111_00245_51983_0980.N1	0	3

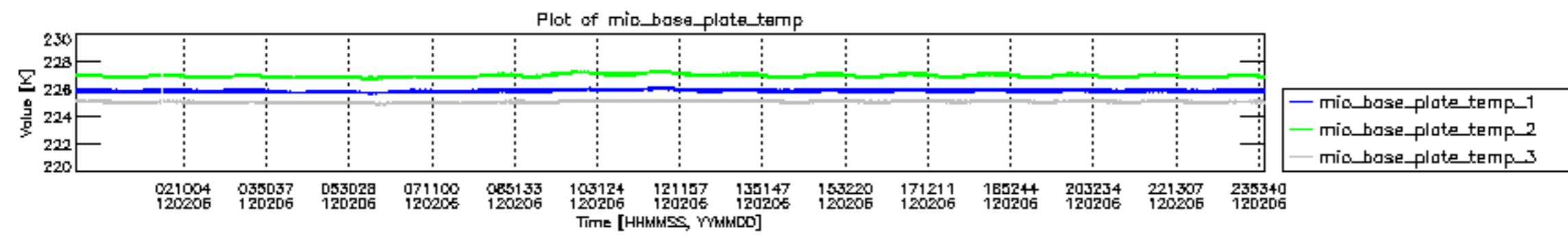


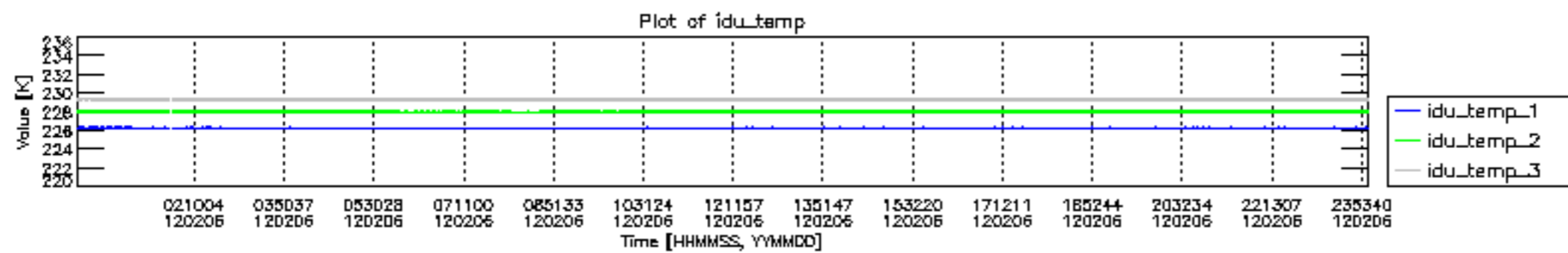
mipas_daily_report_level0_KSPT_L0_4504_N_20120206_12.PNG

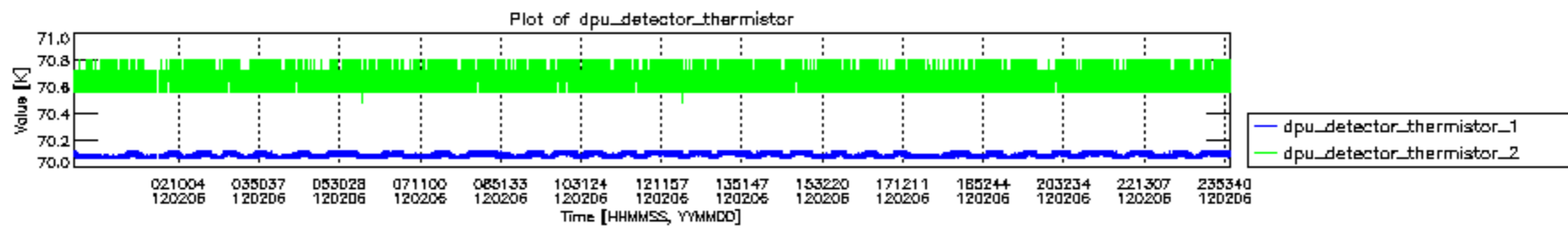


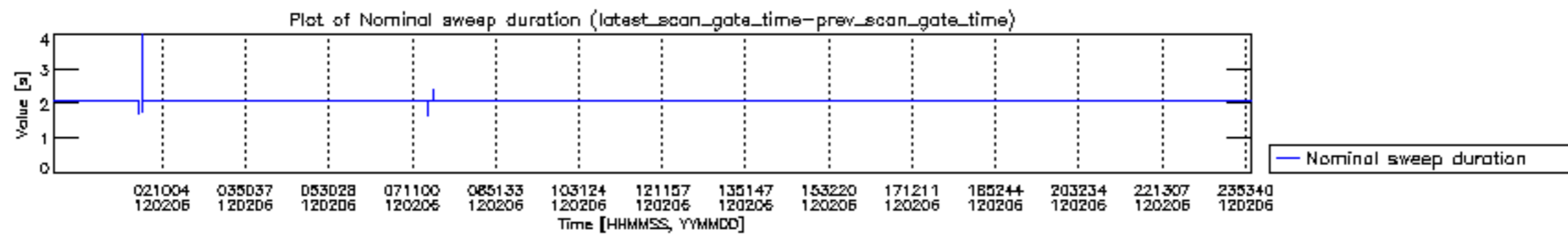
mipas_daily_report_level0_KSPT_L0_4504_N_20120206_13.PNG

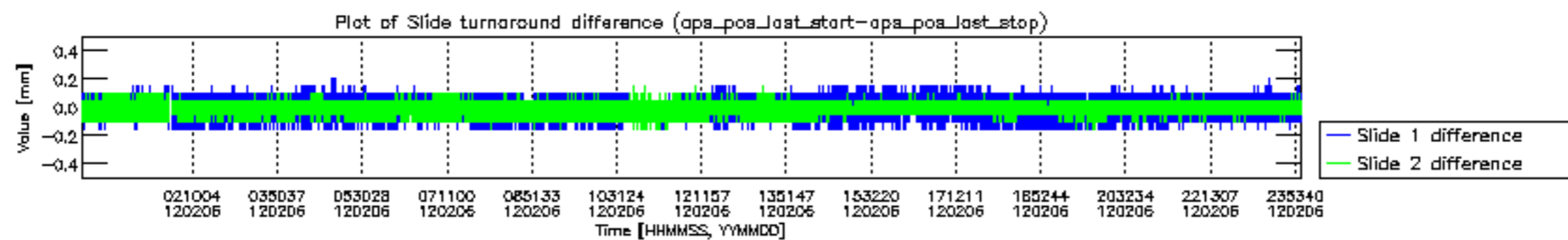


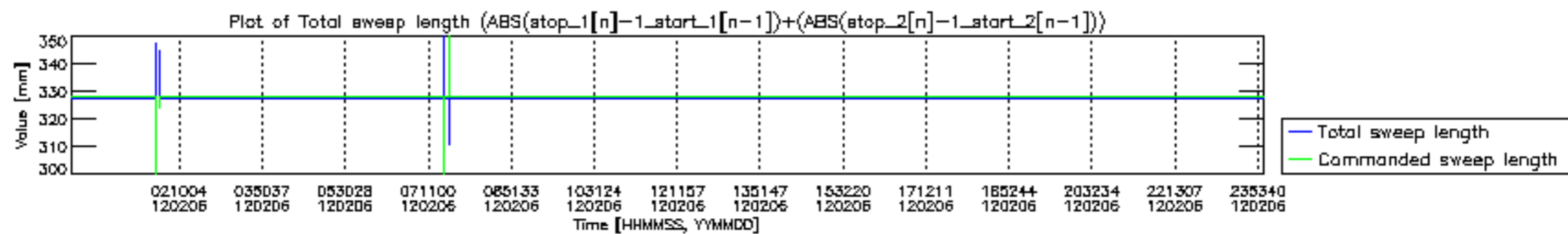


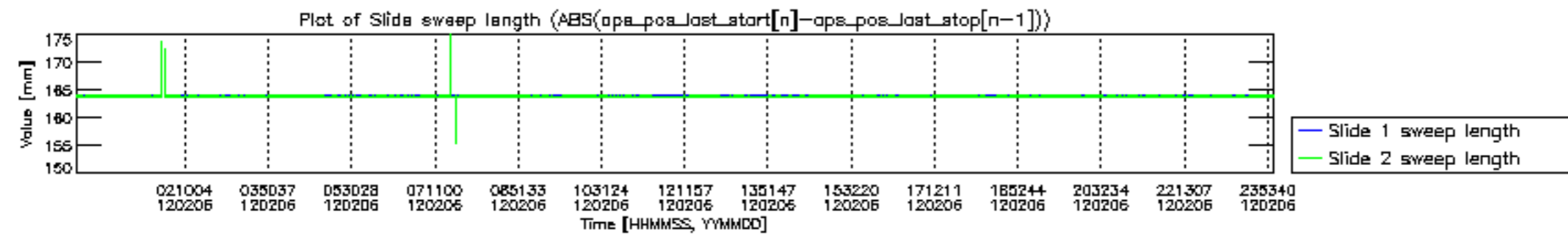


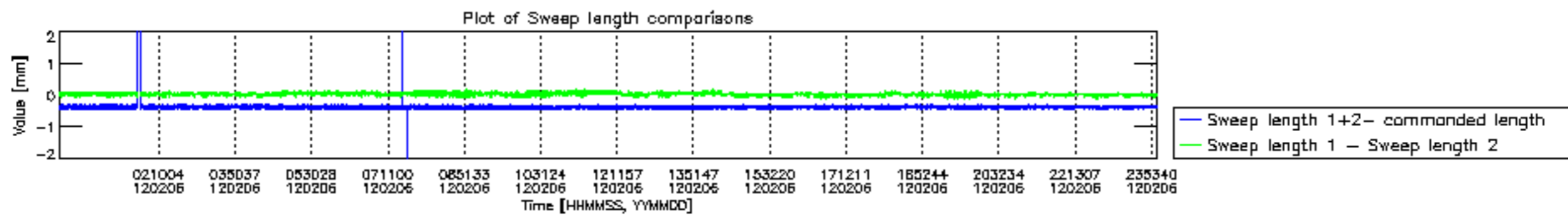


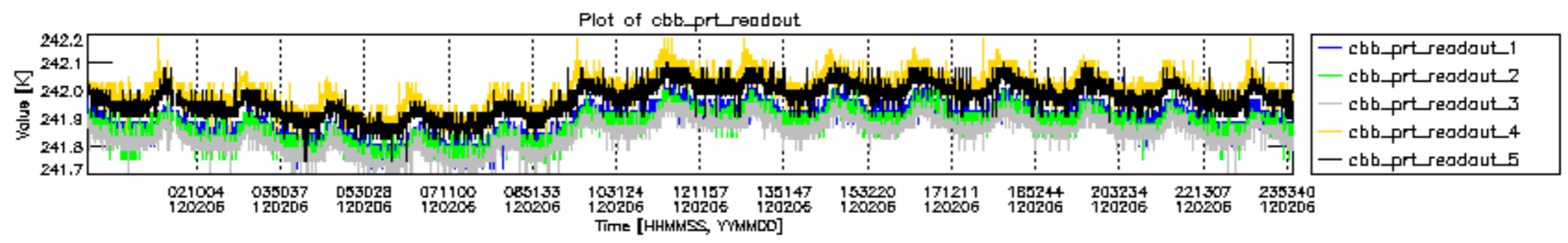


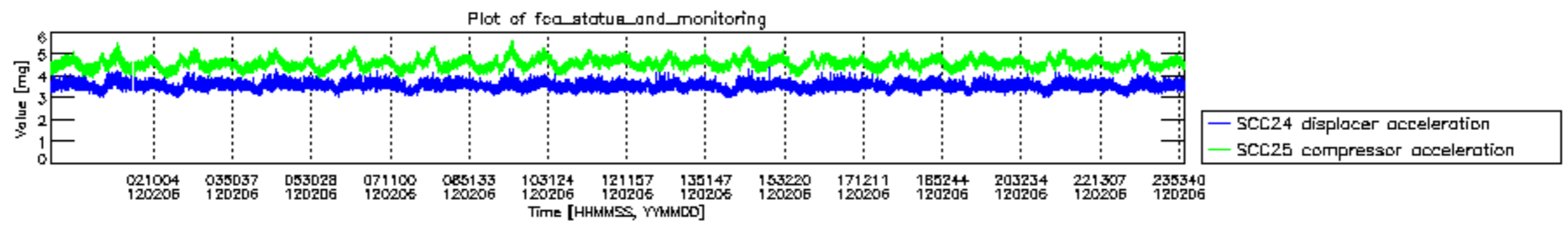












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

