

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	16FEB2011 05:23:26
Data source version	KSPT_L0/4504-N
Processing scope for products	11FEB2011 00:00:00 to 12FEB2011 00:00:00
Start time of first product within scope	11FEB2011 01:21:31
Stop time of last product within scope	12FEB2011 00:47:55
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__0PNPDE20110211_012131_000103343099_00232_46798_2897.N1	11FEB2011 01:21:31	11FEB2011 04:13:45	0	0	0	0	0
1	MIP_NL__0PNPDE20110211_041314_000061813099_00234_46800_2898.N1	11FEB2011 04:13:14	11FEB2011 05:56:15	0	0	0	0	0
2	MIP_NL__0PNPDE20110211_055542_000062073099_00235_46801_2899.N1	11FEB2011 05:55:42	11FEB2011 07:39:09	0	0	0	0	0
3	MIP_NL__0PNPDK20110211_073838_000038633099_00236_46802_4272.N1	11FEB2011 07:38:38	11FEB2011 08:43:00	0	0	0	0	0
4	MIP_NL__0PNPDK20110211_084204_000061543099_00237_46803_4273.N1	11FEB2011 08:42:04	11FEB2011 10:24:38	0	0	0	0	0
5	MIP_NL__0PNPDK20110211_102308_000060503099_00238_46804_4274.N1	11FEB2011 10:23:08	11FEB2011 12:03:58	0	0	0	0	0
6	MIP_NL__0PNPDK20110211_120224_000058703099_00239_46805_4275.N1	11FEB2011 12:02:24	11FEB2011 13:40:14	0	0	0	0	0
7	MIP_NL__0PNPDK20110211_133834_000061123099_00240_46806_4276.N1	11FEB2011 13:38:34	11FEB2011 15:20:26	0	0	0	0	0
8	MIP_NL__0PNPDK20110211_151846_000058553099_00241_46807_4277.N1	11FEB2011 15:18:46	11FEB2011 16:56:22	0	0	0	0	0
9	MIP_NL__0PNPDK20110211_165546_000059583099_00242_46808_4278.N1	11FEB2011 16:55:46	11FEB2011 18:35:04	0	0	0	0	0
10	MIP_NL__0PNPDK20110211_183409_000058623099_00243_46809_4279.N1	11FEB2011 18:34:09	11FEB2011 20:11:51	0	0	0	0	0
11	MIP_NL__0PNPDE20110211_201023_000044933099_00244_46810_2900.N1	11FEB2011 20:10:23	11FEB2011 21:25:17	0	0	0	0	0
12	MIP_NL__0PNPDE20110211_212410_000061043099_00244_46810_2901.N1	11FEB2011 21:24:10	11FEB2011 23:05:54	0	0	0	0	0
13	MIP_NL__0PNPDE20110211_230447_000061883099_00245_46811_2902.N1	11FEB2011 23:04:47	12FEB2011 00:47:55	0	0	0	0	0

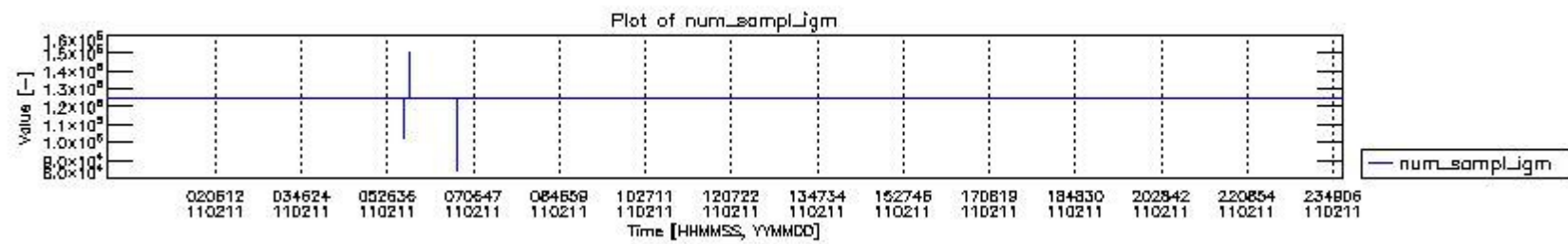
0.2 Instrument Operational Performance Parameters

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.

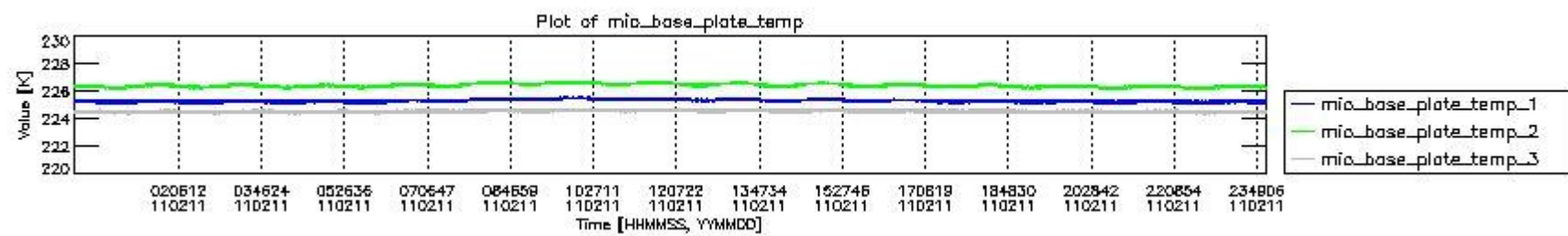
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
84230	1	0.0024000960
94449	1	0.0024000960
102370	1	0.0024000960
103519	1	0.0024000960

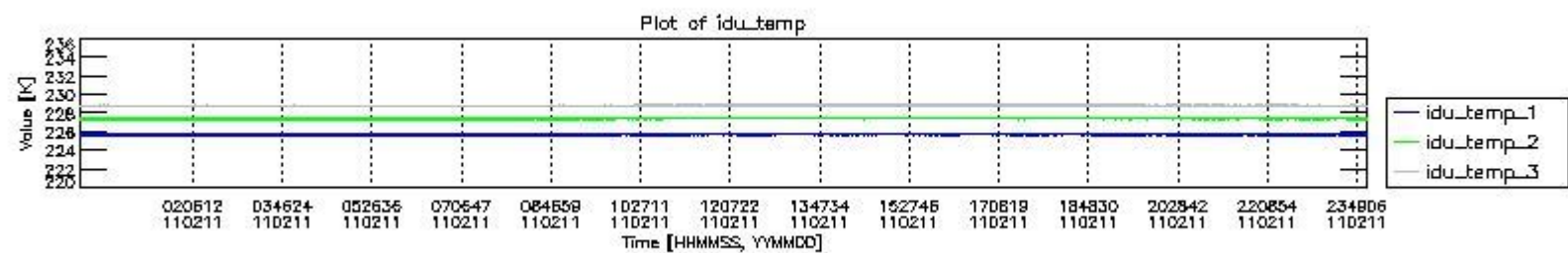
114581	1	0.0024000960
123651	1	0.0024000960
124800	38699	92.881315
124803	2957	7.0970839
127456	1	0.0024000960
147588	1	0.0024000960
150244	1	0.0024000960



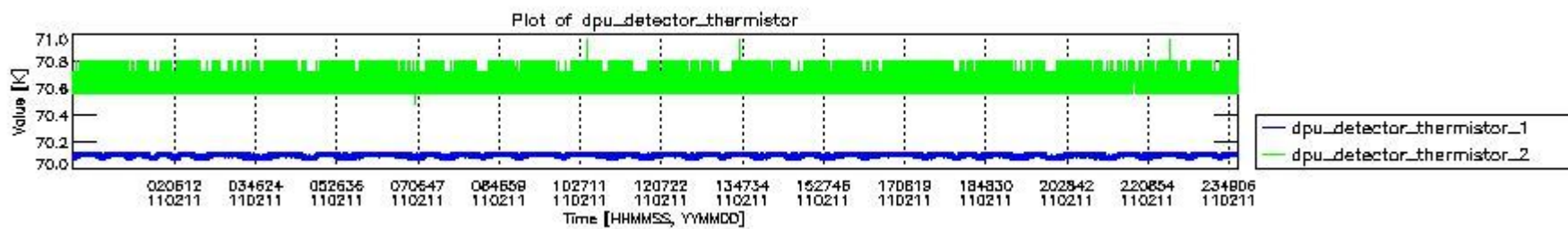
mipas_daily_report_level0_KSPT_L0_4504_N_20110211_0.PNG



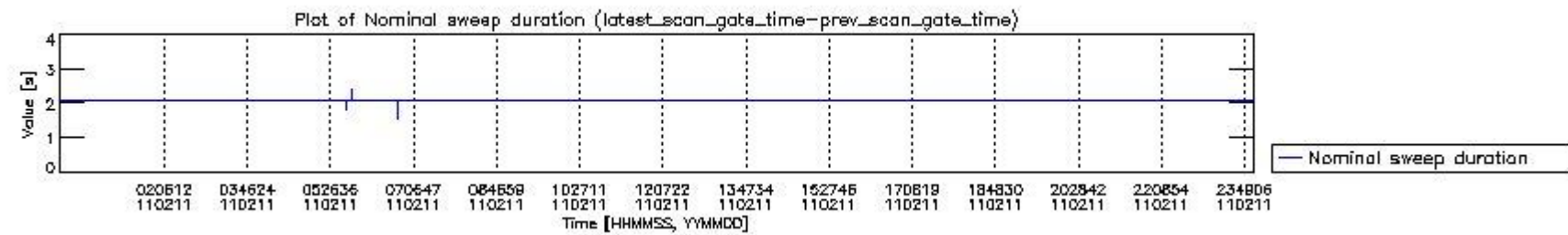
mipas_daily_report_level0_KSPT_L0_4504_N_20110211_1.PNG



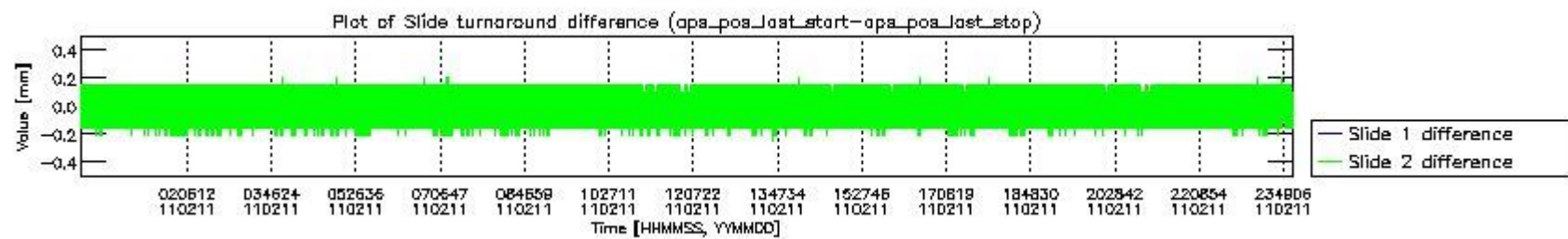
mipas_daily_report_level0_KSPT_L0_4504_N_20110211_2.PNG



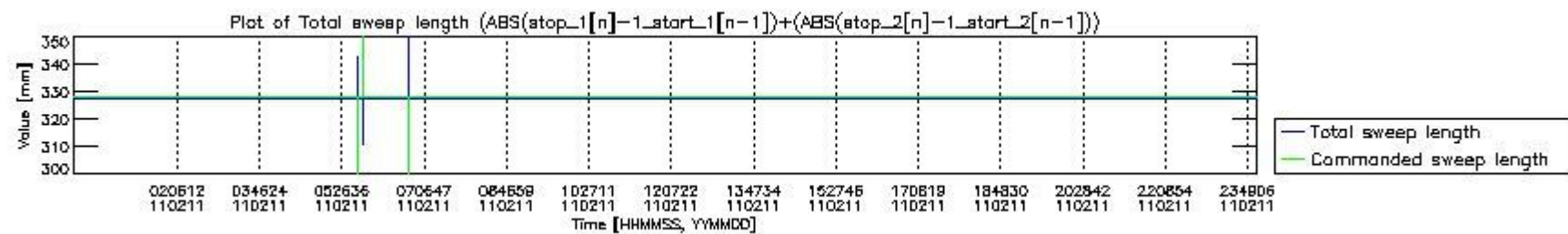
mipas_daily_report_level0_KSPT_L0_4504_N_20110211_3.PNG



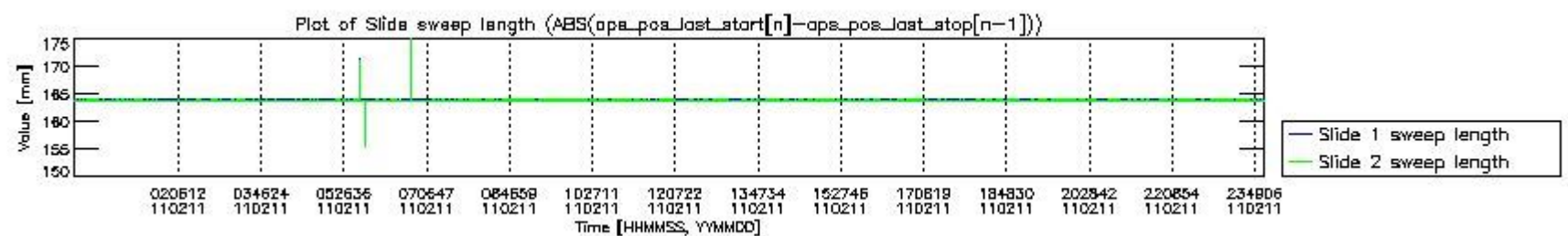
mipas_daily_report_level0_KSPT_L0_4504_N_20110211_4.PNG



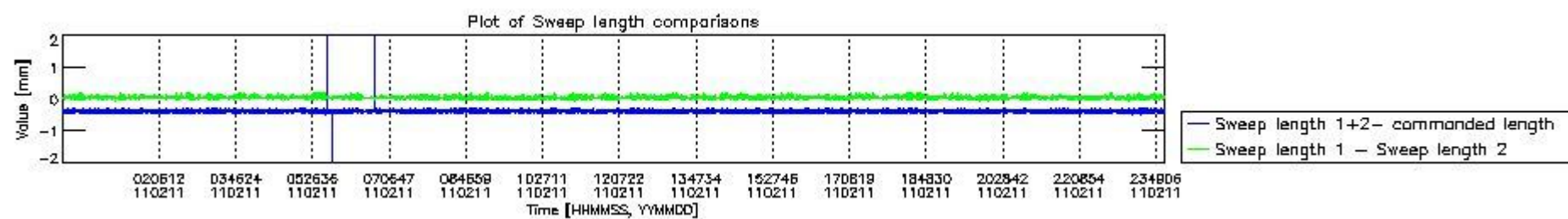
mipas_daily_report_level0_KSPT_L0_4504_N_20110211_5.PNG



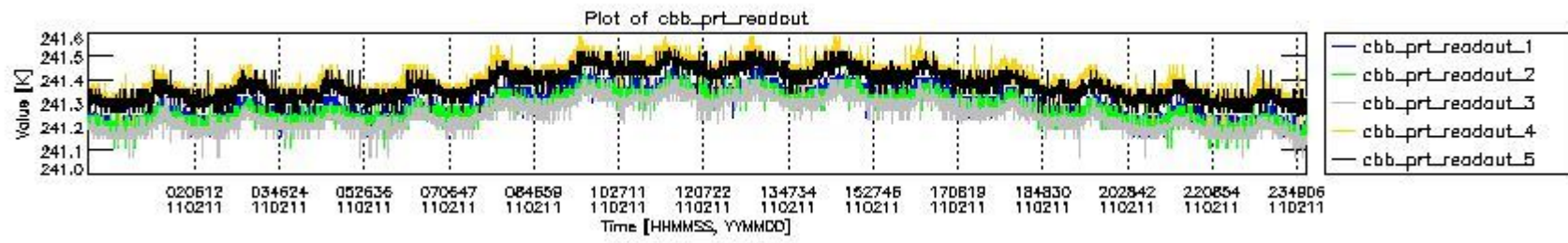
mipas_daily_report_level0_KSPT_L0_4504_N_20110211_6.PNG



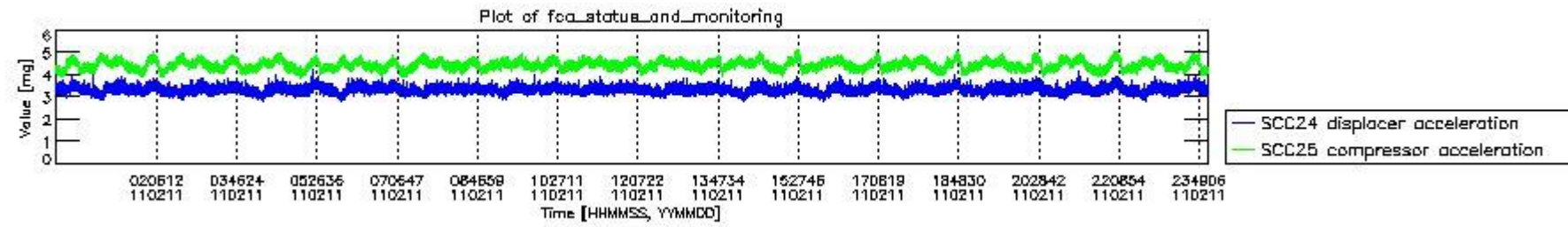
mipas_daily_report_level0_KSPT_L0_4504_N_20110211_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110211_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110211_9.PNG

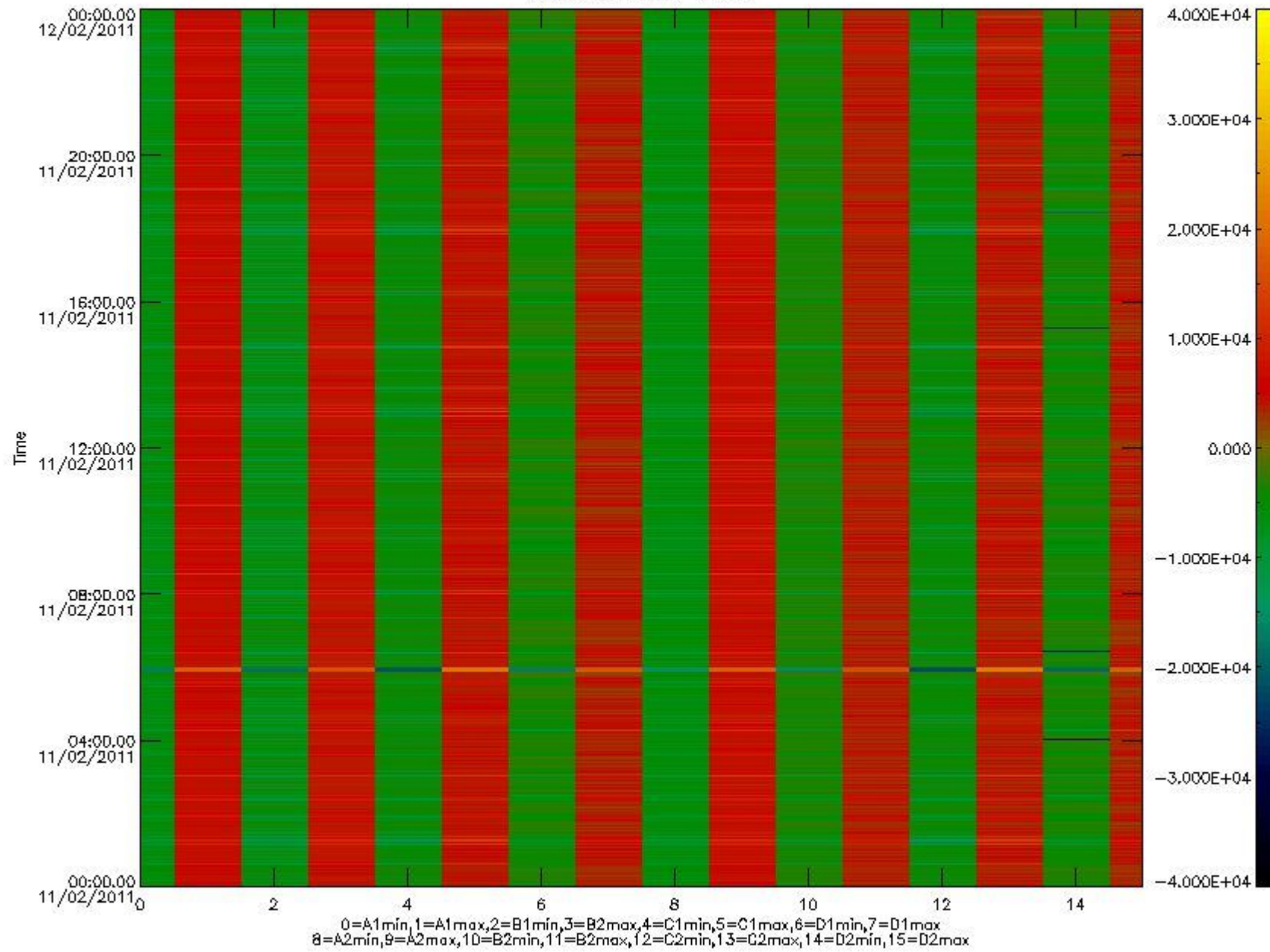


mipas_daily_report_level0_KSPT_L0_4504_N_20110211_10.PNG

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

Channel	Min	Max	ADC
A1	-17399	18397	16bit
B1	-18703	16294	16bit
C1	-21805	21542	16bit
D1	-24698	32767	16bit
A2	-15111	18528	16bit
B2	-16711	16446	16bit
C2	-22629	23210	16bit
D2	-32768	27335	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110211_11.PNG

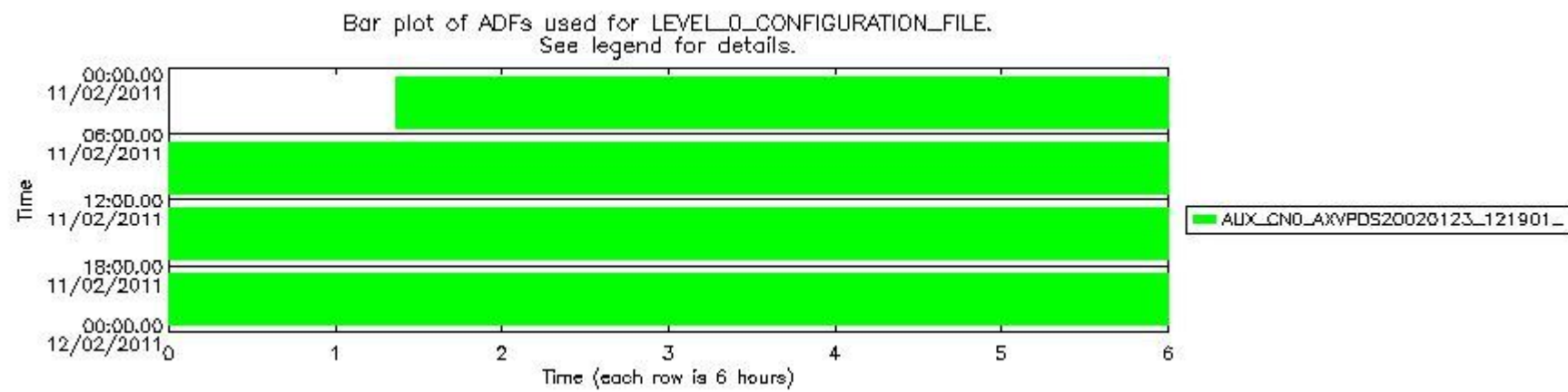
0.3 ADF monitoring

The use of ADFs is shown in two ways:

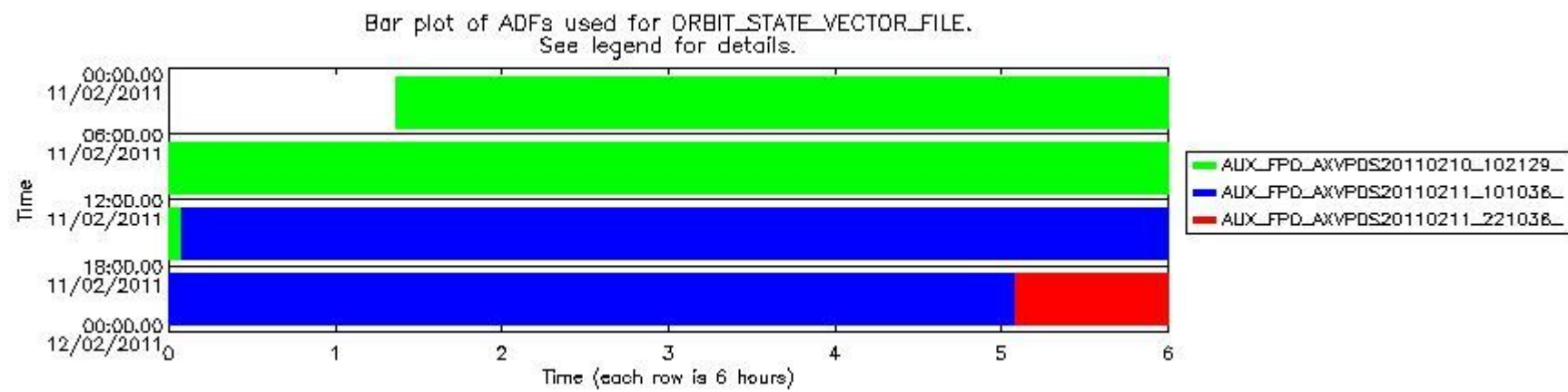
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110210_102129_20110209_192955_20110219_200332
2	AUX_FPO_AXVPDS20110211_101036_20110210_185311_20110220_210702
3	AUX_FPO_AXVPDS20110211_221036_20110211_195641_20110221_203018

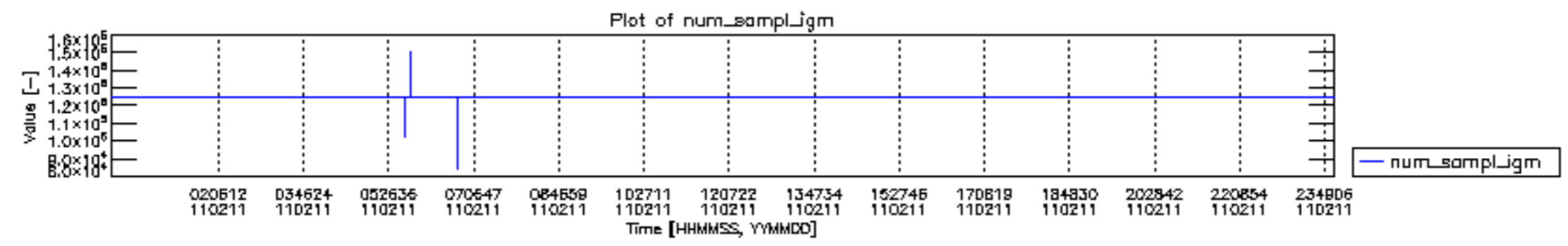
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110211_012131_000103343099_00232_46798_2897.N1	0	1
1	MIP_NL__0PNPDE20110211_041314_000061813099_00234_46800_2898.N1	0	1
2	MIP_NL__0PNPDE20110211_055542_000062073099_00235_46801_2899.N1	0	1
3	MIP_NL__0PNPDK20110211_073838_000038633099_00236_46802_4272.N1	0	1
4	MIP_NL__0PNPDK20110211_084204_000061543099_00237_46803_4273.N1	0	1
5	MIP_NL__0PNPDK20110211_102308_000060503099_00238_46804_4274.N1	0	1
6	MIP_NL__0PNPDK20110211_120224_000058703099_00239_46805_4275.N1	0	2
7	MIP_NL__0PNPDK20110211_133834_000061123099_00240_46806_4276.N1	0	2
8	MIP_NL__0PNPDK20110211_151846_000058553099_00241_46807_4277.N1	0	2
9	MIP_NL__0PNPDK20110211_165546_000059583099_00242_46808_4278.N1	0	2
10	MIP_NL__0PNPDK20110211_183409_000058623099_00243_46809_4279.N1	0	2
11	MIP_NL__0PNPDE20110211_201023_000044933099_00244_46810_2900.N1	0	2
12	MIP_NL__0PNPDE20110211_212410_000061043099_00244_46810_2901.N1	0	2
13	MIP_NL__0PNPDE20110211_230447_000061883099_00245_46811_2902.N1	0	3

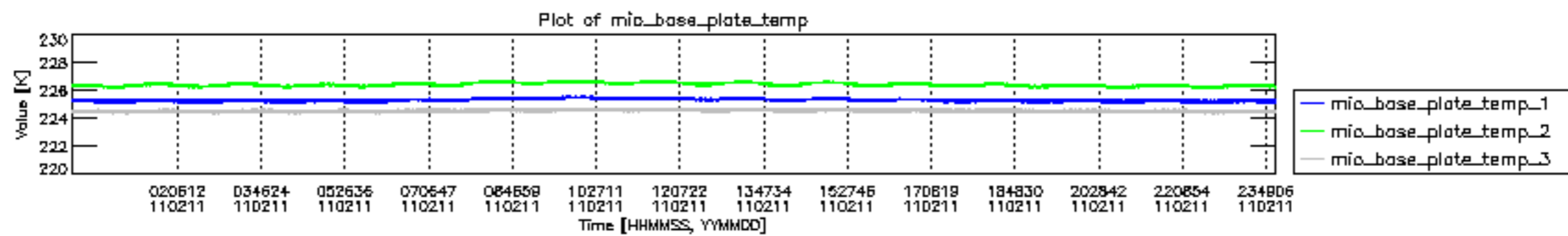


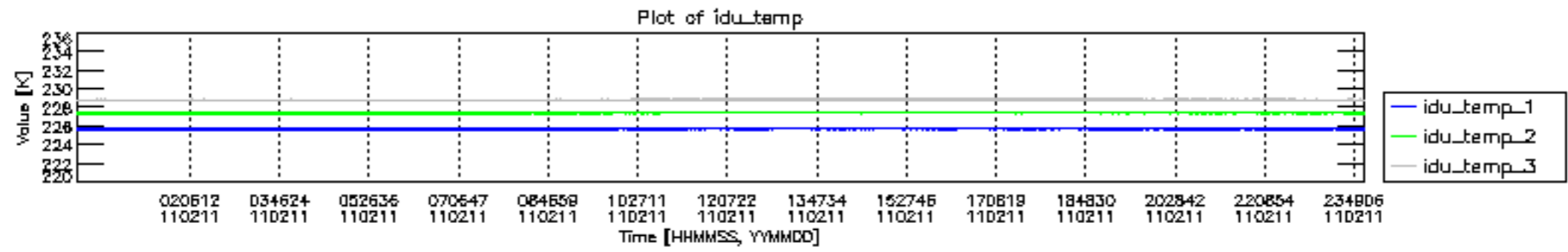
mipas_daily_report_level0_KSPT_L0_4504_N_20110211_12.PNG

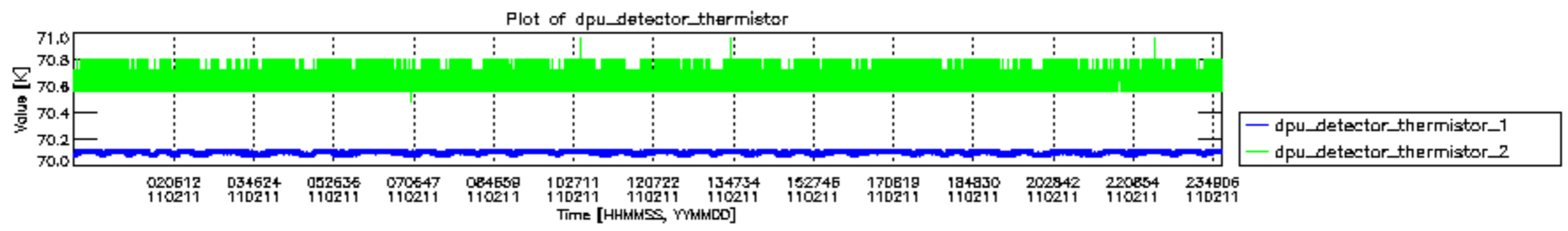


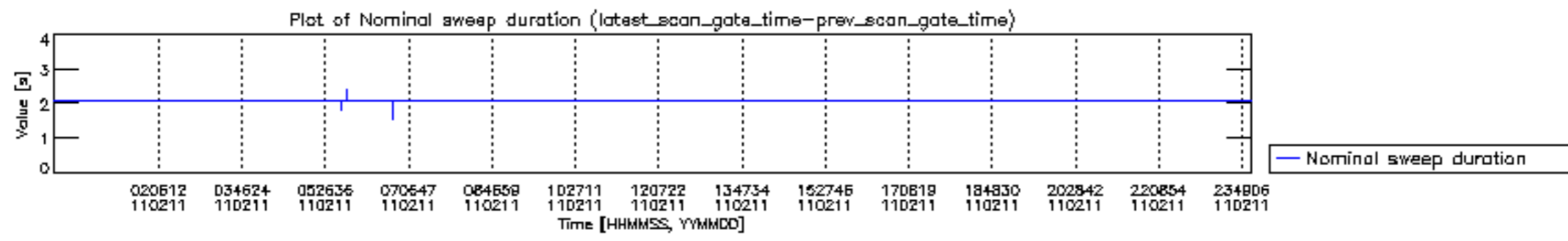
mipas_daily_report_level0_KSPT_L0_4504_N_20110211_13.PNG

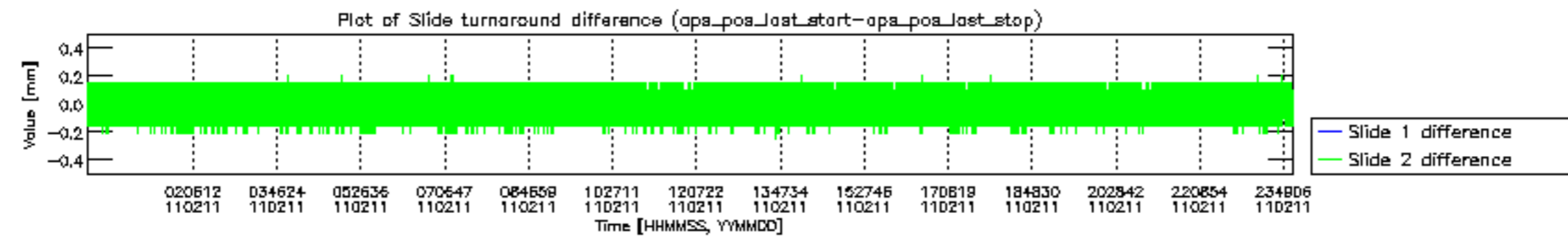


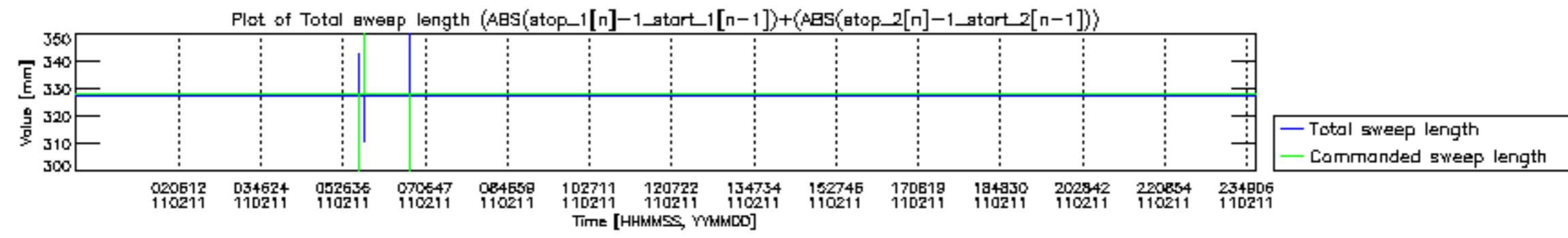


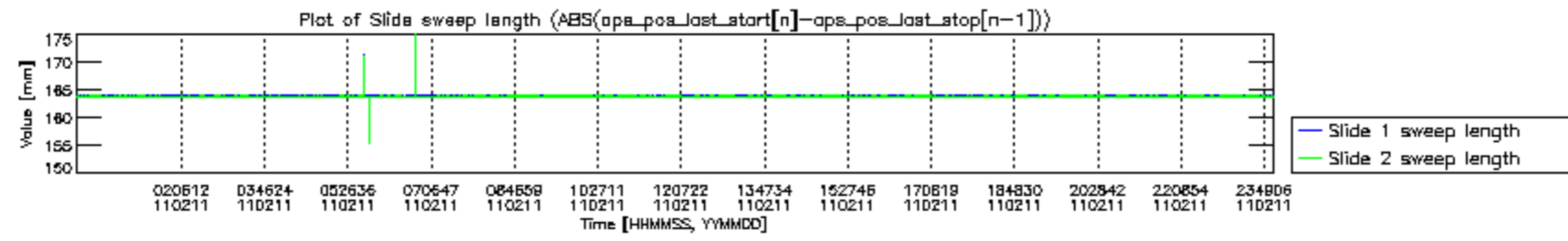


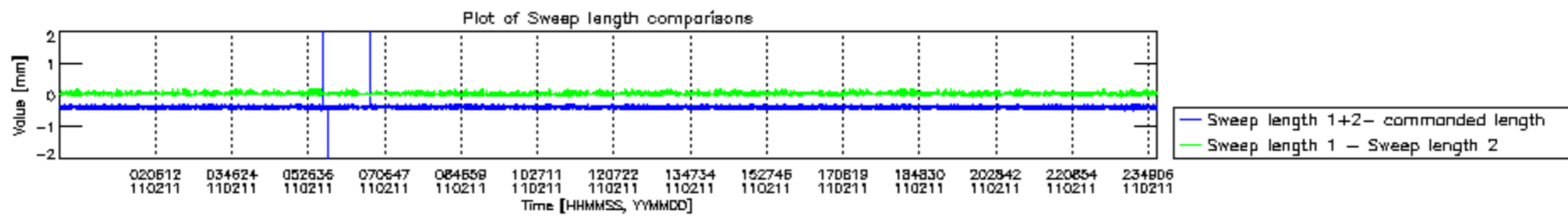


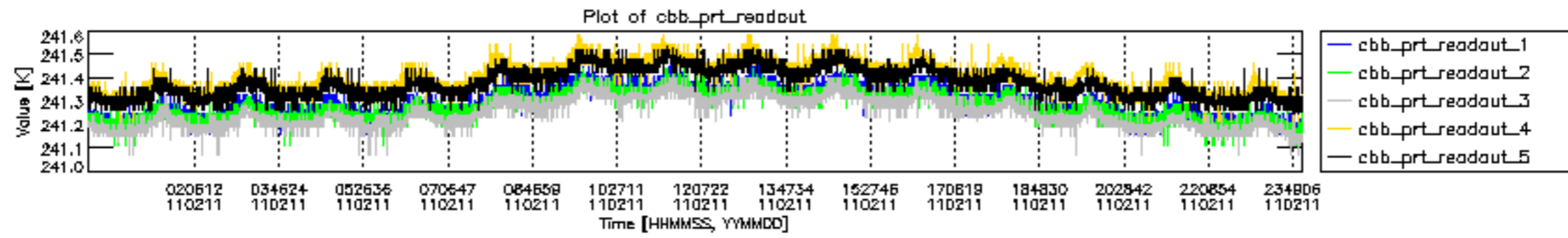


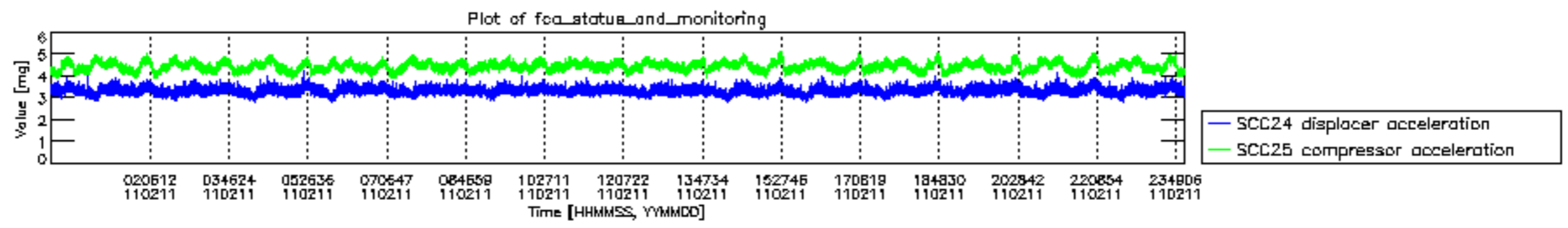












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

