

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	02DEC2011 05:24:04
Data source version	KSPT_L0/4504-N
Processing scope for products	27NOV2011 00:00:00 to 28NOV2011 00:00:00
Start time of first product within scope	27NOV2011 01:28:52
Stop time of last product within scope	28NOV2011 00:53:01
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__0PNPDE20111127_012852_000102823109_00074_50950_4925.N1	27NOV2011 01:28:52	27NOV2011 04:20:15	0	0	0	0	0
1	MIP_NL__0PNPDE20111127_021205_000076903109_00075_50951_4928.N1	27NOV2011 02:12:05	27NOV2011 04:20:15	0	0	0	0	0
2	MIP_NL__0PNPDE20111127_041941_000062553109_00076_50952_4926.N1	27NOV2011 04:19:41	27NOV2011 06:03:56	0	0	0	0	0
3	MIP_NL__0PNPDK20111127_060323_000040973109_00077_50953_7639.N1	27NOV2011 06:03:23	27NOV2011 07:11:39	0	0	0	0	0
4	MIP_NL__0PNPDK20111127_071043_000061383109_00078_50954_7640.N1	27NOV2011 07:10:43	27NOV2011 08:53:00	0	0	0	0	0
5	MIP_NL__0PNPDK20111127_085202_000058693109_00079_50955_7641.N1	27NOV2011 08:52:02	27NOV2011 10:29:51	0	0	0	0	0
6	MIP_NL__0PNPDK20111127_102819_000061213109_00080_50956_7642.N1	27NOV2011 10:28:19	27NOV2011 12:10:20	0	0	0	0	0
7	MIP_NL__0PNPDK20111127_120842_000060423109_00081_50957_7643.N1	27NOV2011 12:08:42	27NOV2011 13:49:23	0	0	0	0	0
8	MIP_NL__0PNPDK20111127_134751_000059483109_00082_50958_7644.N1	27NOV2011 13:47:51	27NOV2011 15:26:59	0	0	0	0	0
9	MIP_NL__0PNPDK20111127_152613_000060373109_00083_50959_7645.N1	27NOV2011 15:26:13	27NOV2011 17:06:51	0	0	0	0	0
10	MIP_NL__0PNPDK20111127_170617_000057163109_00084_50960_7646.N1	27NOV2011 17:06:17	27NOV2011 18:41:33	0	0	0	0	0
11	MIP_NL__0PNPDK20111127_184026_000060373109_00085_50961_7647.N1	27NOV2011 18:40:26	27NOV2011 20:21:03	0	0	0	0	0
12	MIP_NL__0PNPDE20111127_201854_000043603109_00086_50962_4929.N1	27NOV2011 20:18:54	27NOV2011 21:31:34	0	0	0	0	0
13	MIP_NL__0PNPDE20111127_213037_000062073109_00086_50962_4930.N1	27NOV2011 21:30:37	27NOV2011 23:14:04	0	0	0	0	0
14	MIP_NL__0PNPDE20111127_231257_000060043109_00087_50963_4931.N1	27NOV2011 23:12:57	28NOV2011 00:53:01	0	0	0	0	0

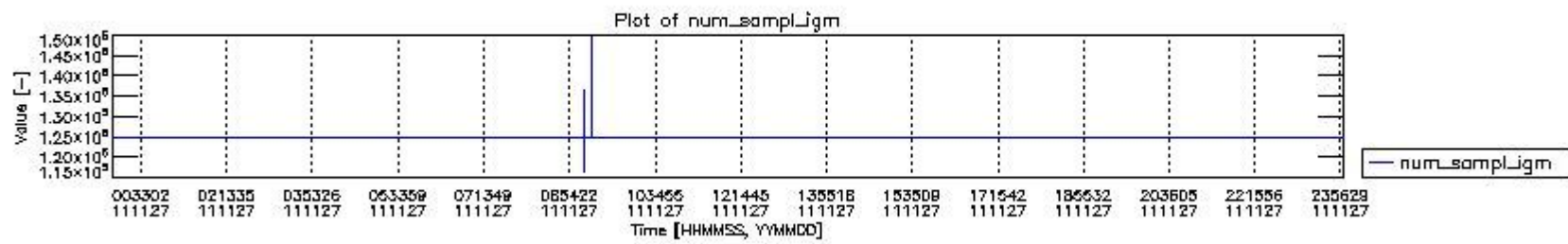
0.2 Instrument Operational Performance Parameters

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.

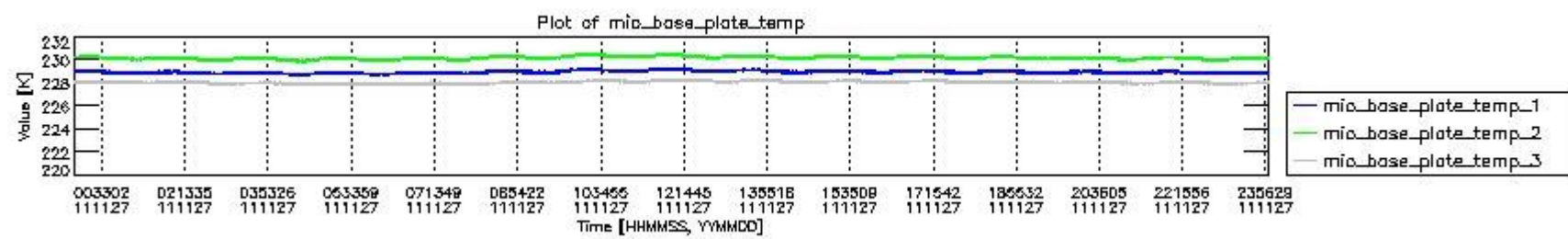
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
116231	1	0.0024022293
124800	38667	92.886999
124803	2955	7.0985875

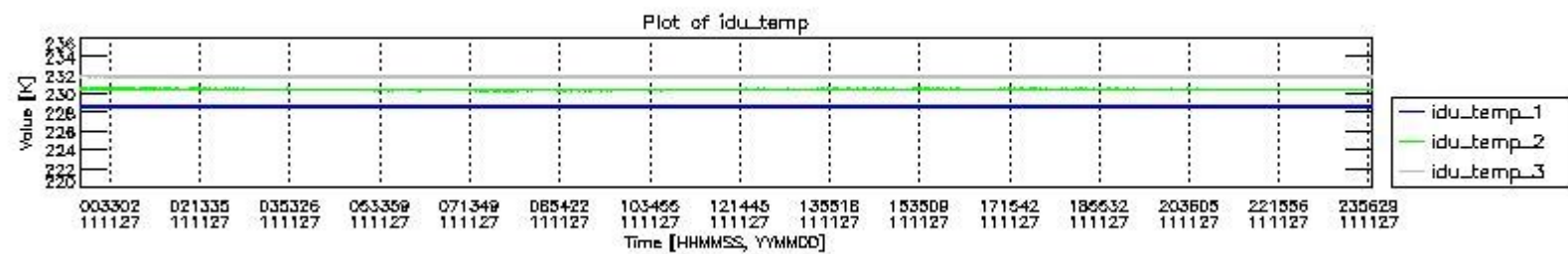
127159	1	0.0024022293
127794	1	0.0024022293
136363	1	0.0024022293
147291	1	0.0024022293
149650	1	0.0024022293



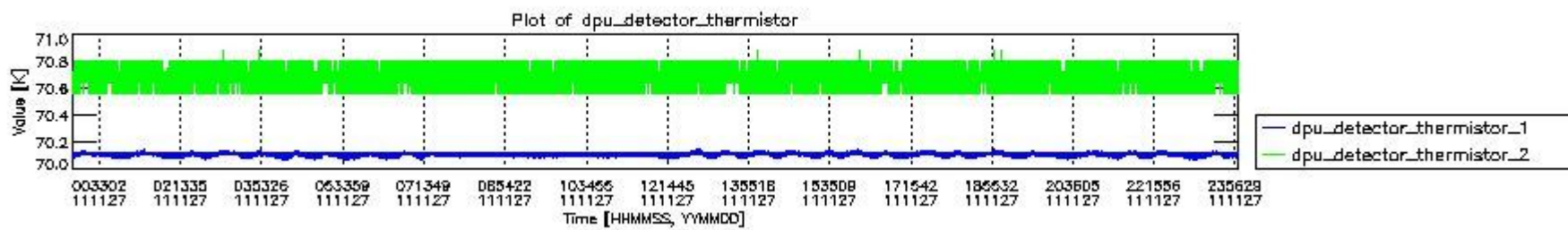
mipas_daily_report_level0_KSPT_L0_4504_N_20111127_0.PNG



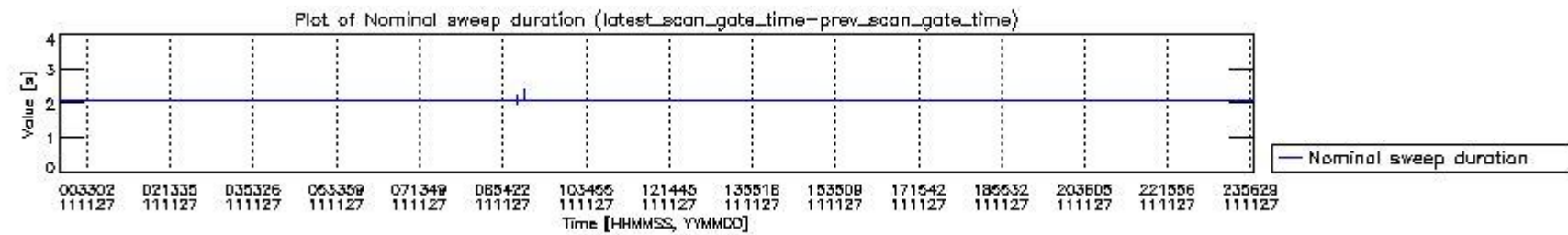
mipas_daily_report_level0_KSPT_L0_4504_N_20111127_1.PNG



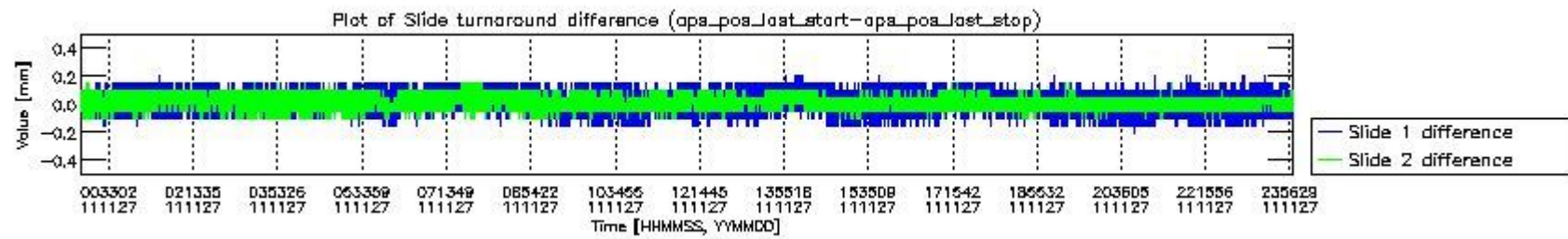
mipas_daily_report_level0_KSPT_L0_4504_N_20111127_2.PNG



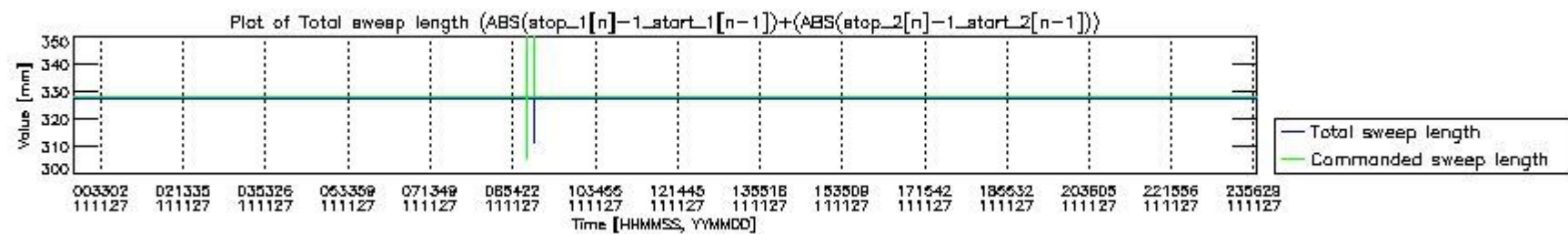
mipas_daily_report_level0_KSPT_L0_4504_N_20111127_3.PNG



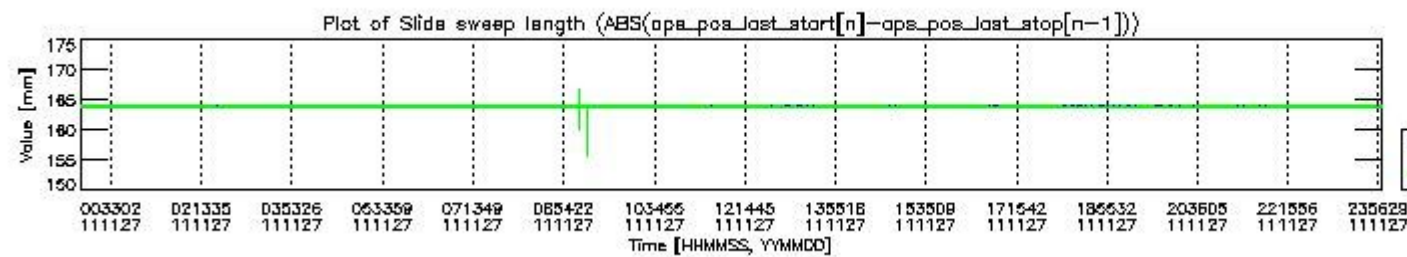
mipas_daily_report_level0_KSPT_L0_4504_N_20111127_4.PNG



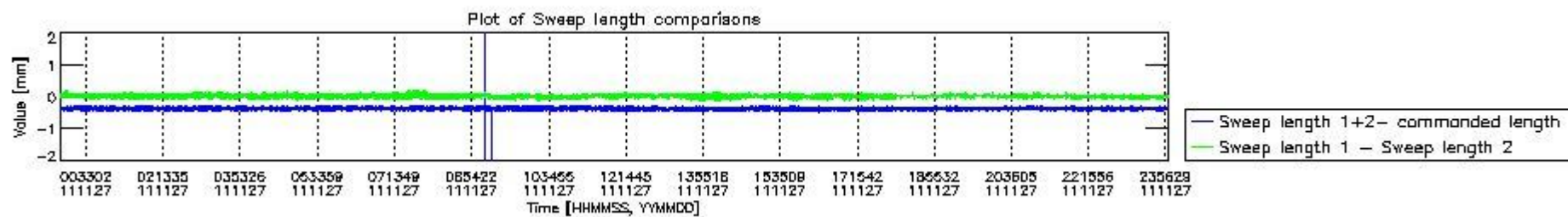
mipas_daily_report_level0_KSPT_L0_4504_N_20111127_5.PNG



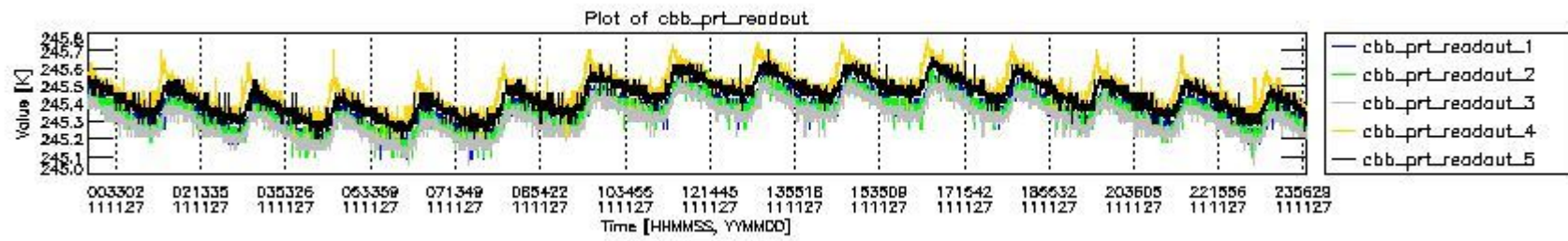
mipas_daily_report_level0_KSPT_L0_4504_N_20111127_6.PNG



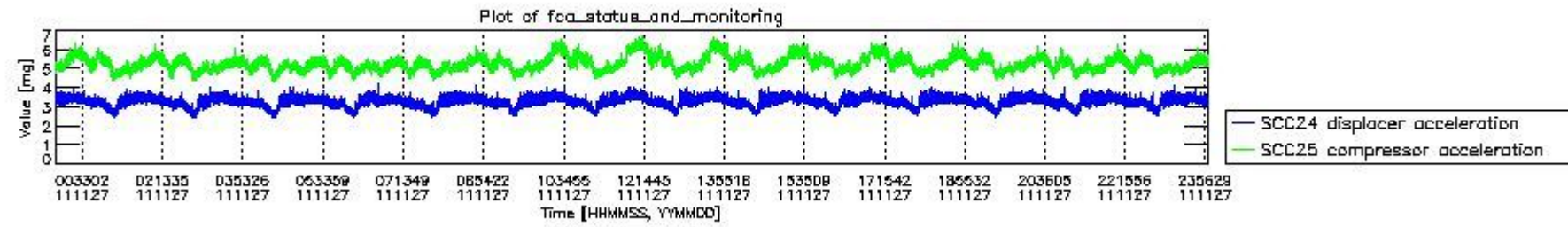
mipas_daily_report_level0_KSPT_L0_4504_N_20111127_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111127_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111127_9.PNG

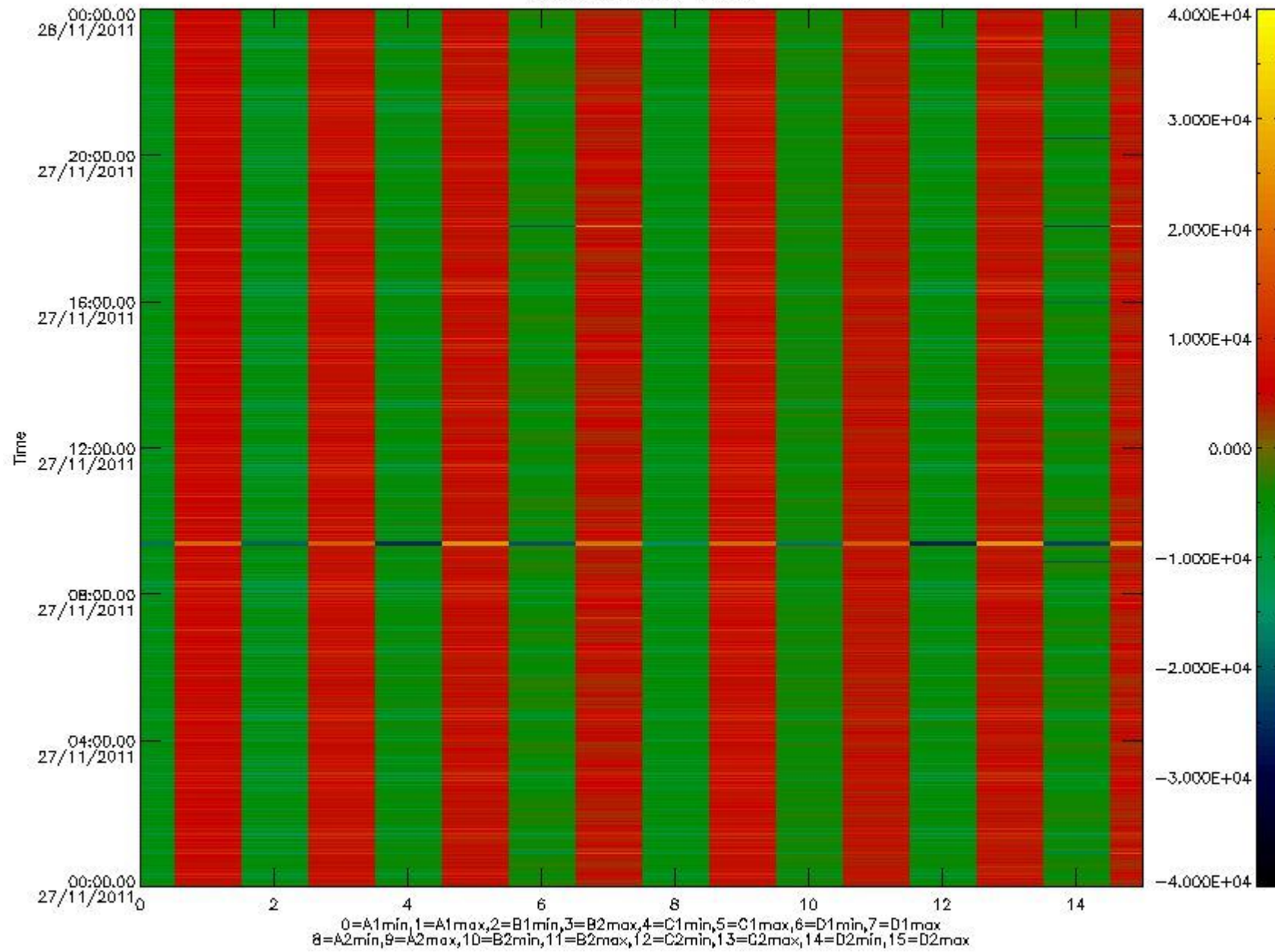


mipas_daily_report_level0_KSPT_L0_4504_N_20111127_10.PNG

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

Channel	Min	Max	ADC
A1	-18411	19512	16bit
B1	-20926	17939	16bit
C1	-25676	25584	16bit
D1	-32768	32767	16bit
A2	-15969	19731	16bit
B2	-18811	18434	16bit
C2	-26665	26368	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_20111127_11.PNG

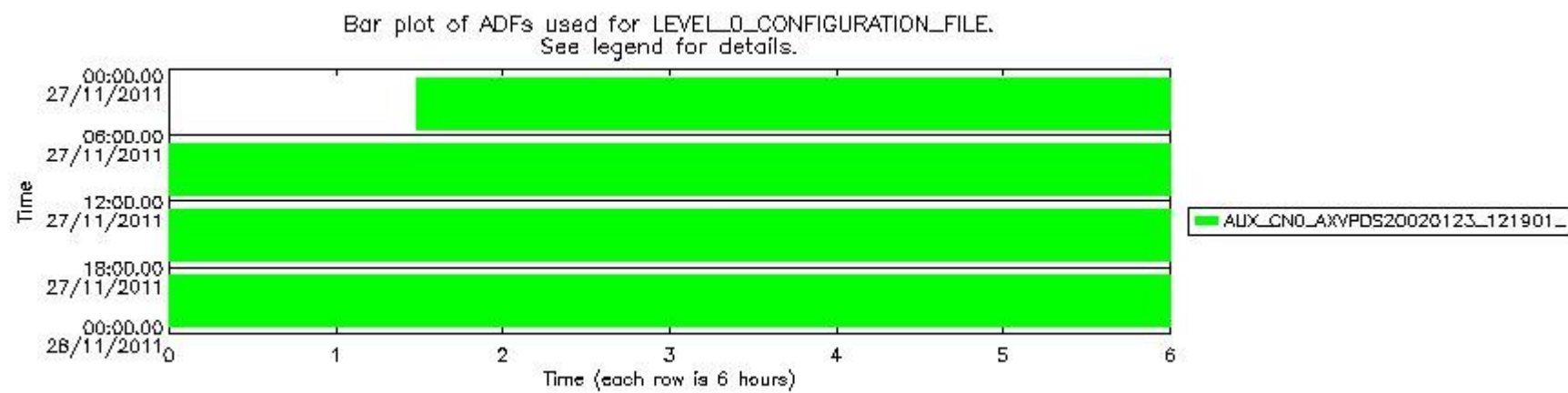
0.3 ADF monitoring

The use of ADFs is shown in two ways:

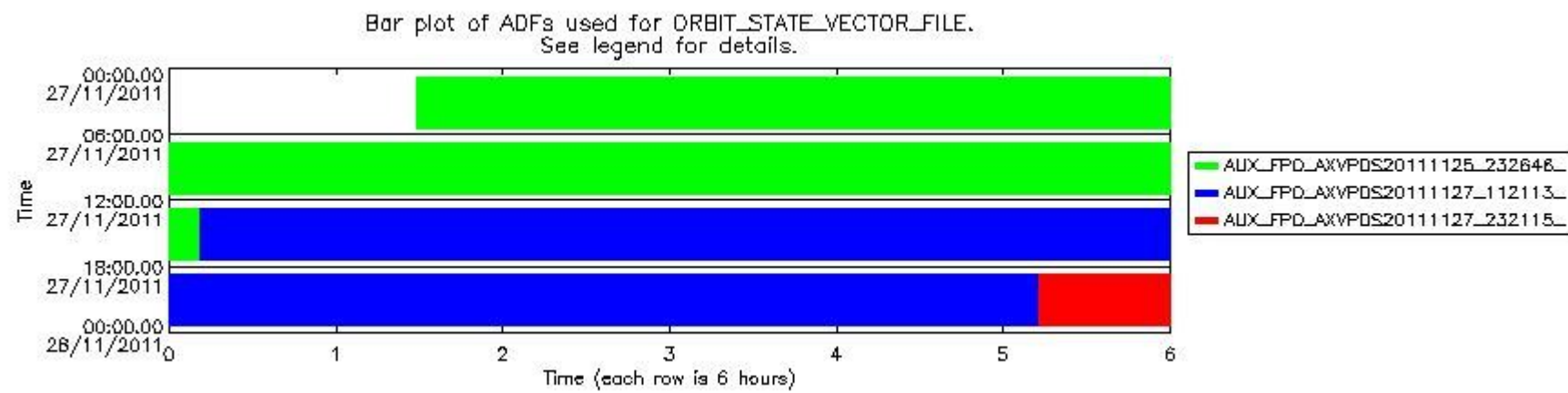
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111125_232646_20111125_193715_20111205_201043
2	AUX_FPO_AXVPDS20111127_112113_20111126_190030_20111206_211412
3	AUX_FPO_AXVPDS20111127_232115_20111127_182345_20111207_203727

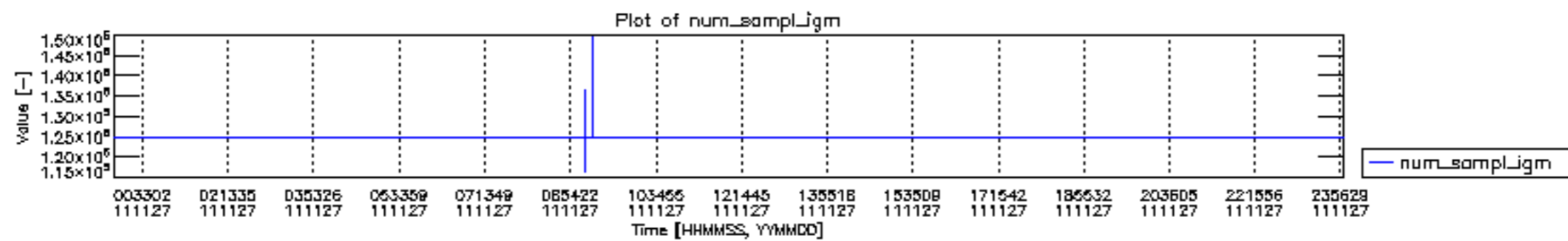
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111127_012852_000102823109_00074_50950_4925.N1	0	1
1	MIP_NL__0PNPDE20111127_021205_000076903109_00075_50951_4928.N1	0	1
2	MIP_NL__0PNPDE20111127_041941_000062553109_00076_50952_4926.N1	0	1
3	MIP_NL__0PNPDK20111127_060323_000040973109_00077_50953_7639.N1	0	1
4	MIP_NL__0PNPDK20111127_071043_000061383109_00078_50954_7640.N1	0	1
5	MIP_NL__0PNPDK20111127_085202_000058693109_00079_50955_7641.N1	0	1
6	MIP_NL__0PNPDK20111127_102819_000061213109_00080_50956_7642.N1	0	1
7	MIP_NL__0PNPDK20111127_120842_000060423109_00081_50957_7643.N1	0	2
8	MIP_NL__0PNPDK20111127_134751_000059483109_00082_50958_7644.N1	0	2
9	MIP_NL__0PNPDK20111127_152613_000060373109_00083_50959_7645.N1	0	2
10	MIP_NL__0PNPDK20111127_170617_000057163109_00084_50960_7646.N1	0	2
11	MIP_NL__0PNPDK20111127_184026_000060373109_00085_50961_7647.N1	0	2
12	MIP_NL__0PNPDE20111127_201854_000043603109_00086_50962_4929.N1	0	2
13	MIP_NL__0PNPDE20111127_213037_000062073109_00086_50962_4930.N1	0	2
14	MIP_NL__0PNPDE20111127_231257_000060043109_00087_50963_4931.N1	0	3

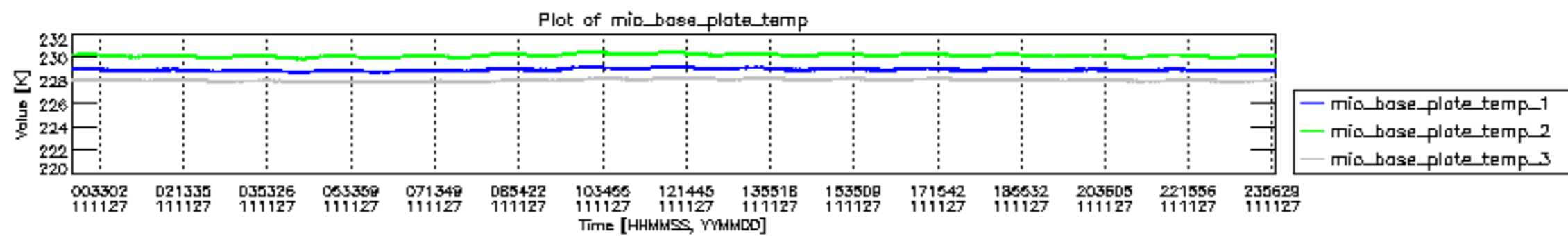


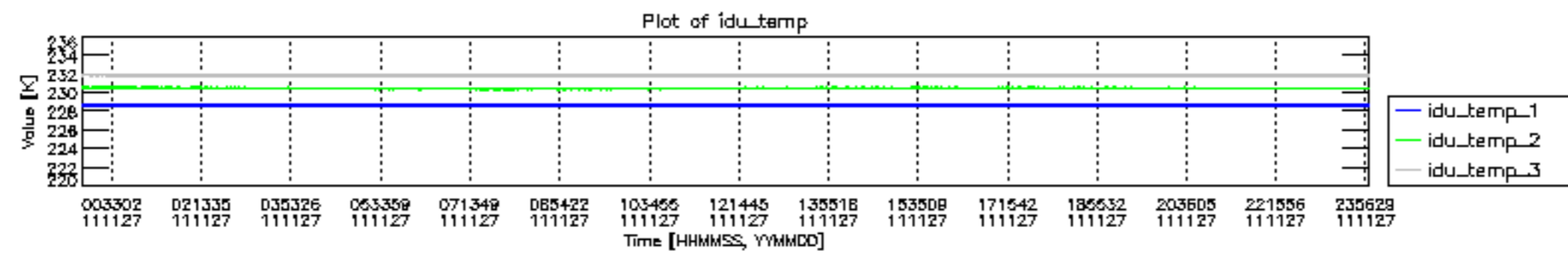
mipas_daily_report_level0_KSPT_L0_4504_N_20111127_12.PNG

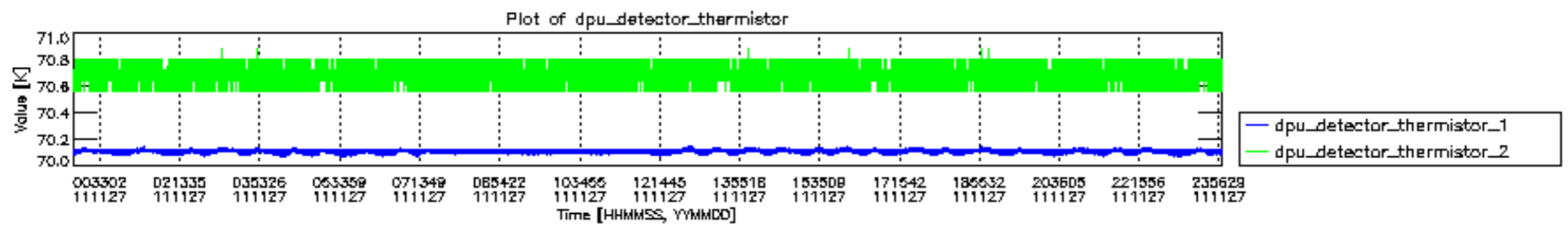


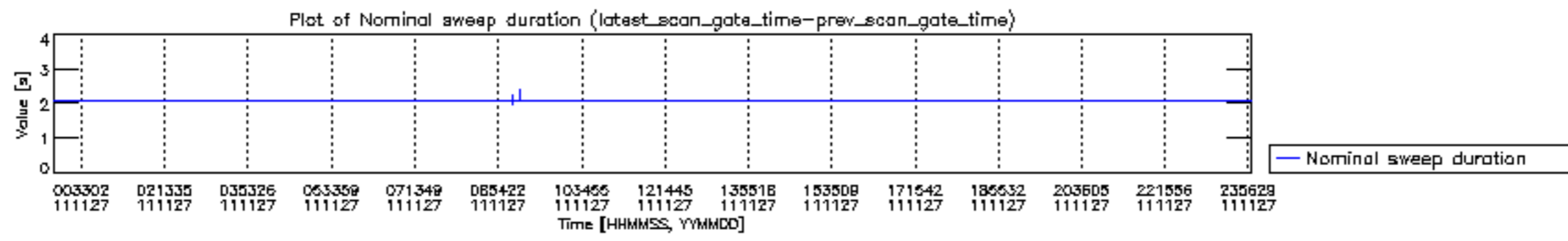
mipas_daily_report_level0_KSPT_L0_4504_N_20111127_13.PNG

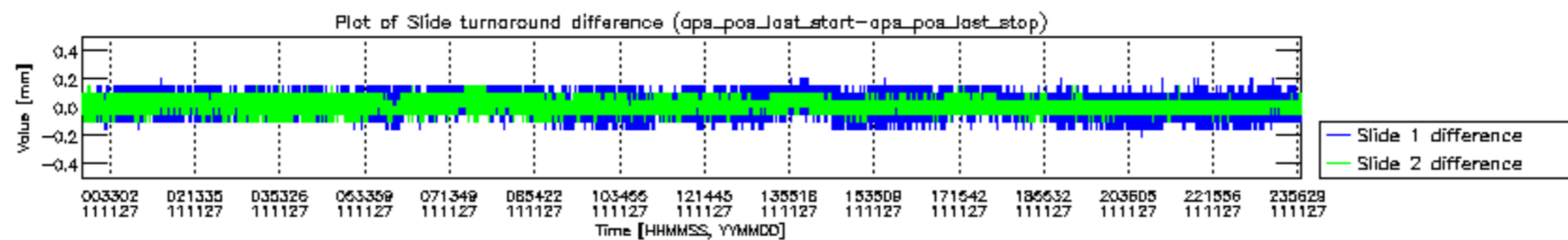


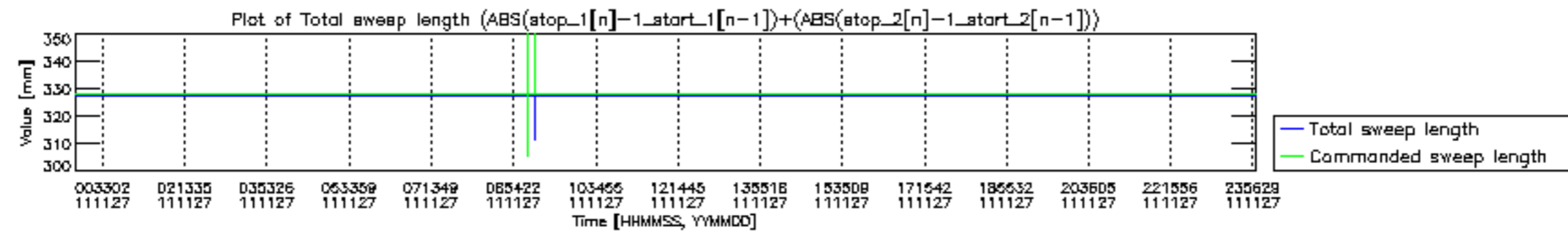


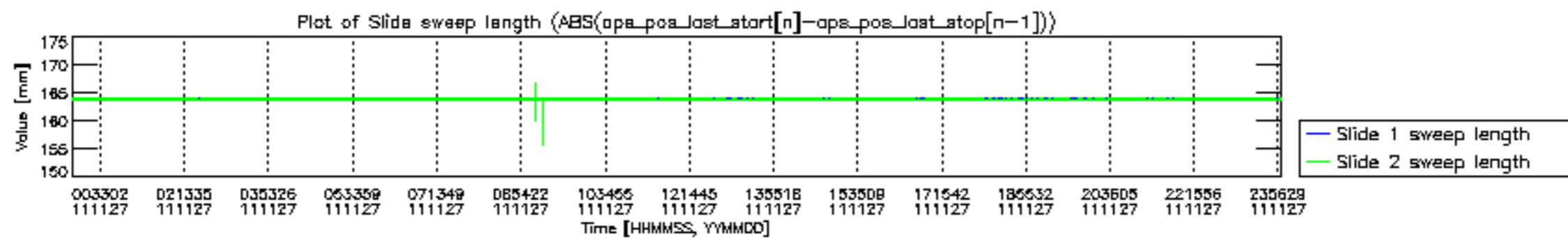


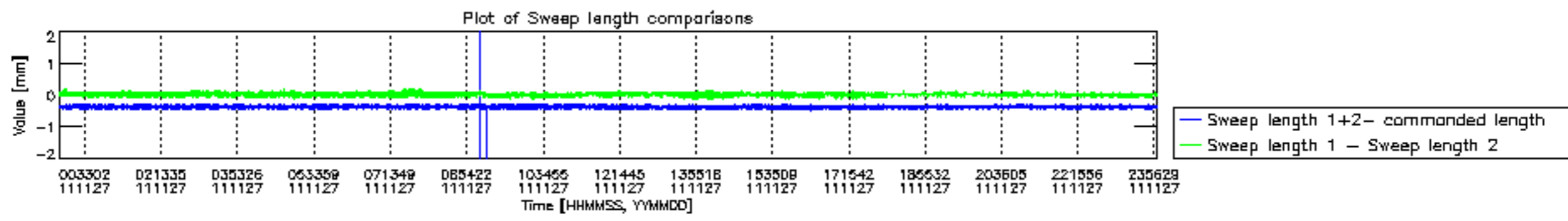


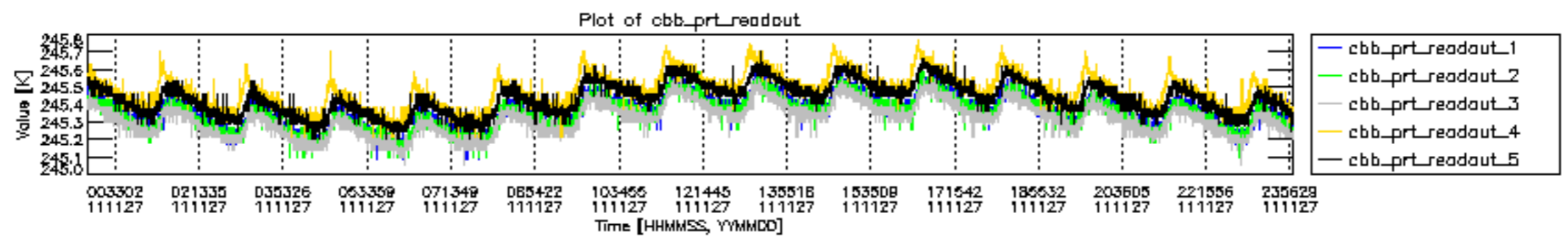


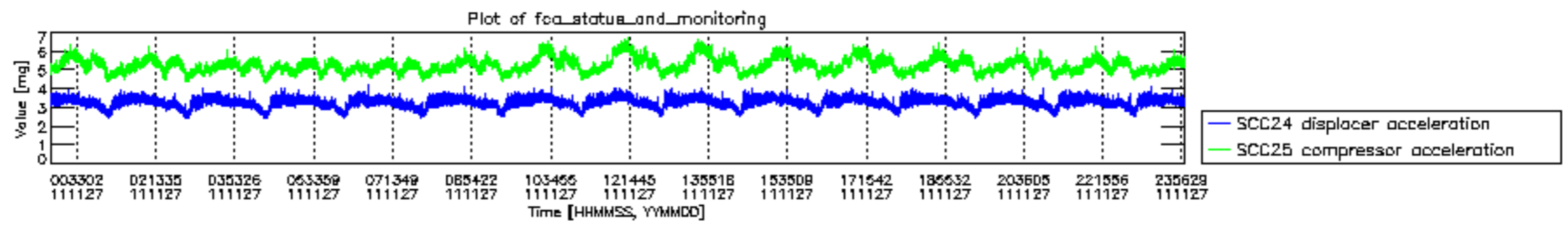












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

