

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	10DEC2011 05:23:32
Data source version	KSPT_L0/4504-N
Processing scope for products	05DEC2011 00:00:00 to 06DEC2011 00:00:00
Start time of first product within scope	05DEC2011 01:35:01
Stop time of last product within scope	06DEC2011 01:00:43
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__0PNPDE20111205_013501_000043513109_00189_51065_0347.N1	05DEC2011 01:35:01	05DEC2011 02:47:33	0	0	0	0	0
1	MIP_NL__0PNPDE20111205_024659_000061403109_00190_51066_0348.N1	05DEC2011 02:46:59	05DEC2011 04:29:19	0	0	0	0	0
2	MIP_NL__0PNPDE20111205_042845_000060693109_00191_51067_0349.N1	05DEC2011 04:28:45	05DEC2011 06:09:54	0	0	0	0	0
3	MIP_NL__0PNPDK20111205_060921_000040833109_00192_51068_7710.N1	05DEC2011 06:09:21	05DEC2011 07:17:23	0	0	0	0	0
4	MIP_NL__0PNPDK20111205_071625_000061313109_00193_51069_7711.N1	05DEC2011 07:16:25	05DEC2011 08:58:36	0	0	0	0	0
5	MIP_NL__0PNPDK20111205_085656_000061083109_00194_51070_7712.N1	05DEC2011 08:56:56	05DEC2011 10:38:44	0	0	0	0	0
6	MIP_NL__0PNPDK20111205_103706_000060383109_00195_51071_7713.N1	05DEC2011 10:37:06	05DEC2011 12:17:43	0	0	0	0	0
7	MIP_NL__0PNPDK20111205_121601_000059103109_00196_51072_7714.N1	05DEC2011 12:16:01	05DEC2011 13:54:31	0	0	0	0	0
8	MIP_NL__0PNPDK20111205_135339_000060143109_00197_51073_7715.N1	05DEC2011 13:53:39	05DEC2011 15:33:53	0	0	0	0	0
9	MIP_NL__0PNPDK20111205_153309_000057783109_00198_51074_7716.N1	05DEC2011 15:33:09	05DEC2011 17:09:27	0	0	0	0	0
10	MIP_NL__0PNPDK20111205_170825_000060333109_00199_51075_7717.N1	05DEC2011 17:08:25	05DEC2011 18:48:58	0	0	0	0	0
11	MIP_NL__0PNPDK20111205_184753_000059943109_00200_51076_7718.N1	05DEC2011 18:47:53	05DEC2011 20:27:47	0	0	0	0	0
12	MIP_NL__0PNPDE20111205_202540_000044503109_00201_51077_0352.N1	05DEC2011 20:25:40	05DEC2011 21:39:49	0	0	0	0	0
13	MIP_NL__0PNPDE20111205_213849_000061543109_00201_51077_0353.N1	05DEC2011 21:38:49	05DEC2011 23:21:23	0	0	0	0	0
14	MIP_NL__0PNPDE20111205_232016_000060273109_00202_51078_0354.N1	05DEC2011 23:20:16	06DEC2011 01:00:43	0	0	0	0	0

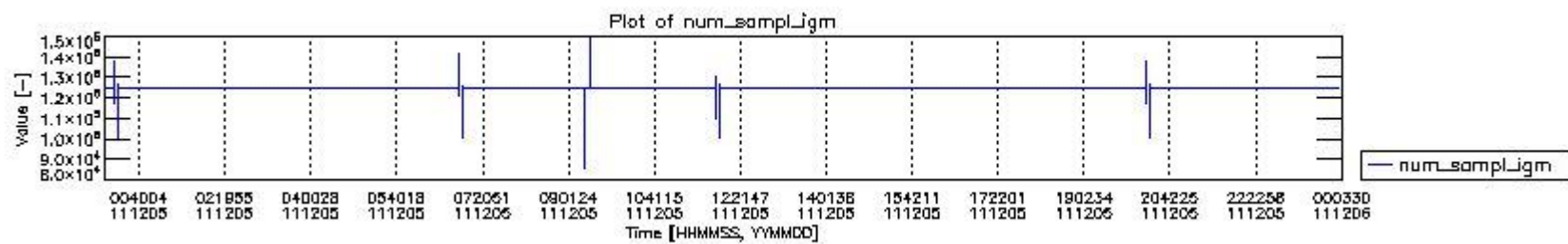
0.2 Instrument Operational Performance Parameters

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.

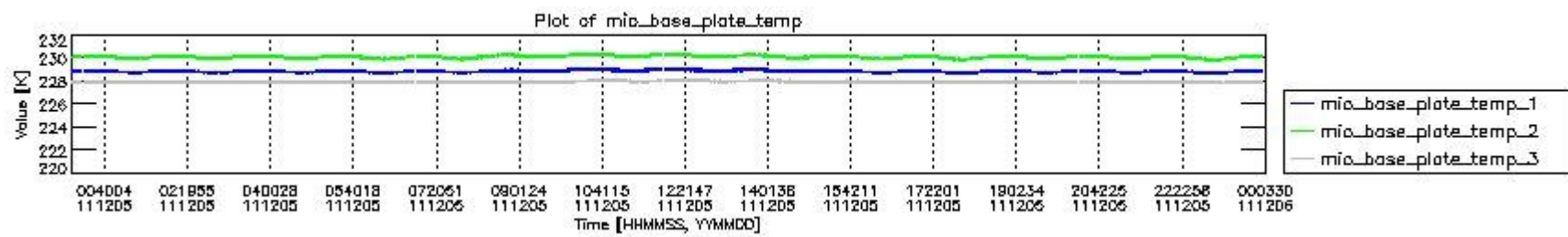
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
85270	1	0.0024306653
94969	1	0.0024306653
100111	1	0.0024306653

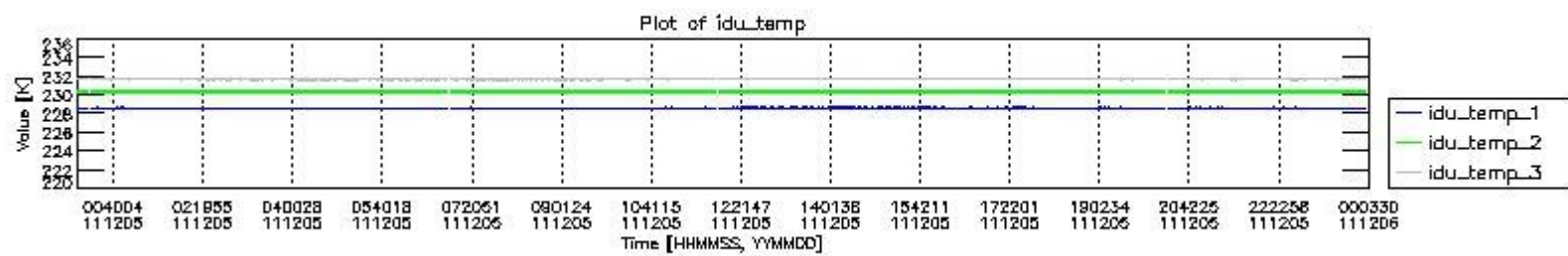
100409	2	0.0048613305
100557	1	0.0024306653
109914	1	0.0024306653
115101	1	0.0024306653
115154	1	0.0024306653
117495	1	0.0024306653
117569	1	0.0024306653
121360	1	0.0024306653
124800	38307	93.111495
124803	2804	6.8155854
125363	1	0.0024306653
125661	2	0.0048613305
125809	1	0.0024306653
125926	1	0.0024306653
126522	2	0.0048613305
126818	1	0.0024306653
127085	1	0.0024306653
130043	1	0.0024306653
130322	1	0.0024306653
130470	1	0.0024306653
137627	1	0.0024306653
137701	1	0.0024306653
138052	1	0.0024306653
141492	1	0.0024306653
147217	1	0.0024306653
149502	1	0.0024306653



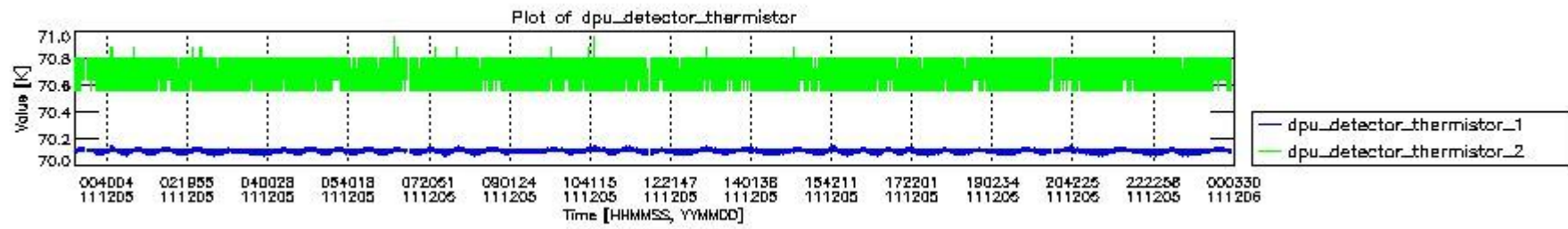
mipas_daily_report_level0_KSPT_L0_4504_N_20111205_0.PNG



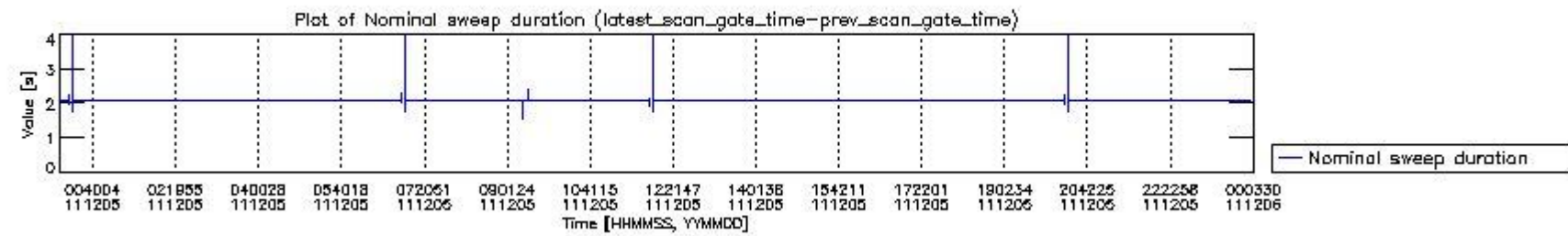
mipas_daily_report_level0_KSPT_L0_4504_N_20111205_1.PNG



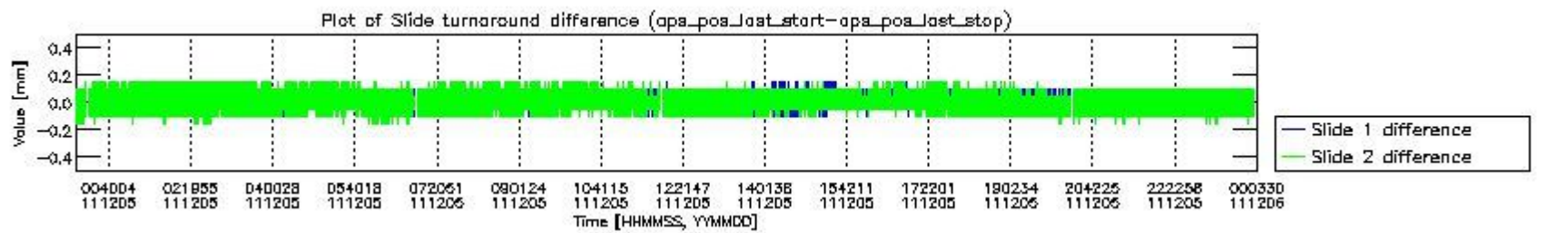
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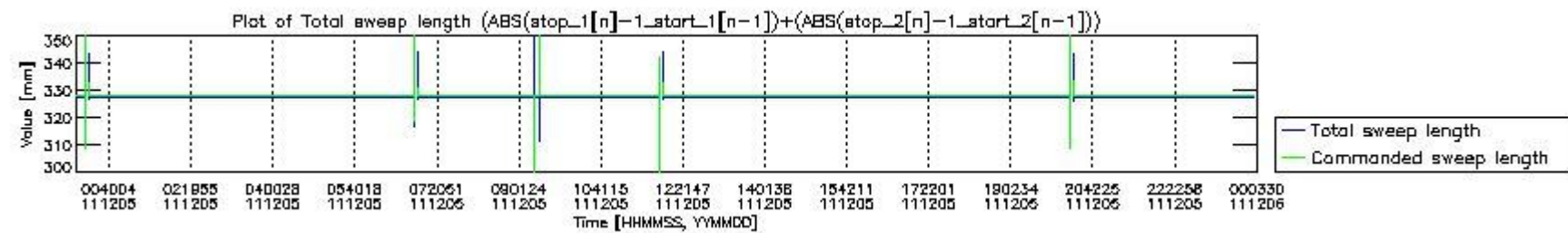
mipas_daily_report_level0_KSPT_L0_4504_N_20111205_3.PNG



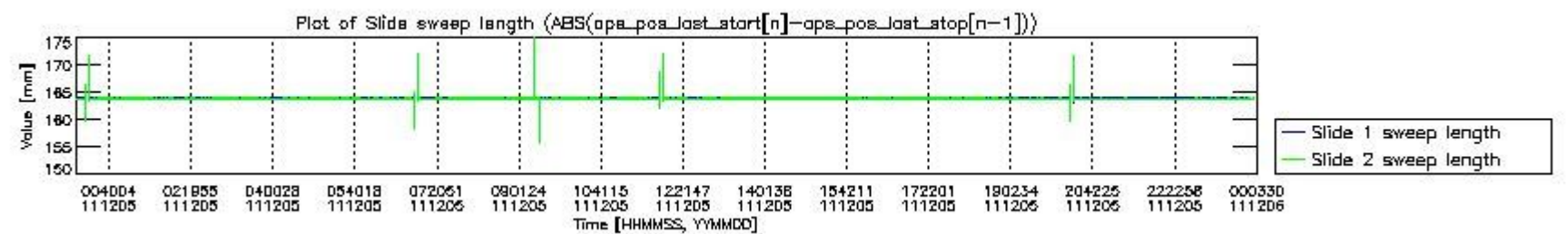
mipas_daily_report_level0_KSPT_L0_4504_N_20111205_4.PNG



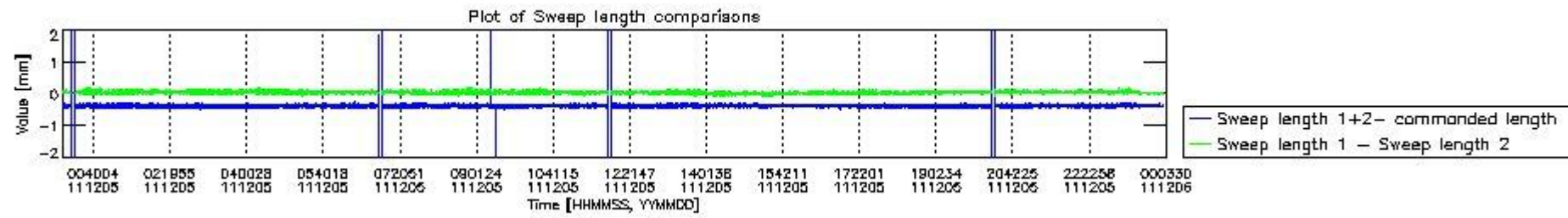
mipas_daily_report_level0_KSPT_L0_4504_N_20111205_5.PNG



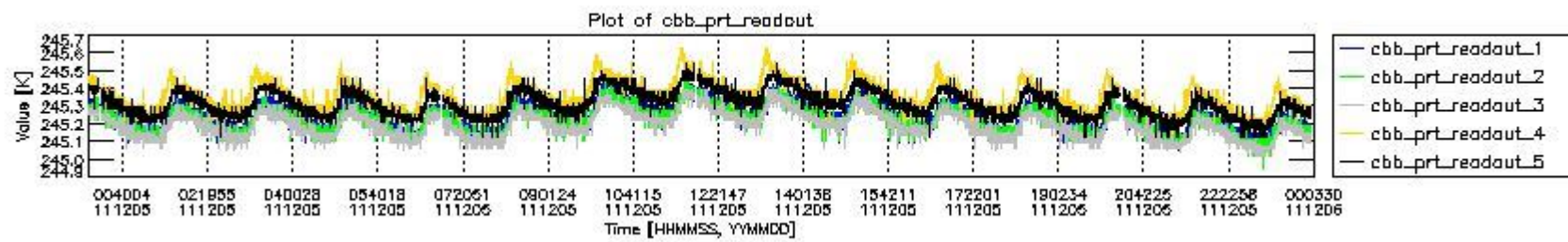
mipas_daily_report_level0_KSPT_L0_4504_N_20111205_6.PNG



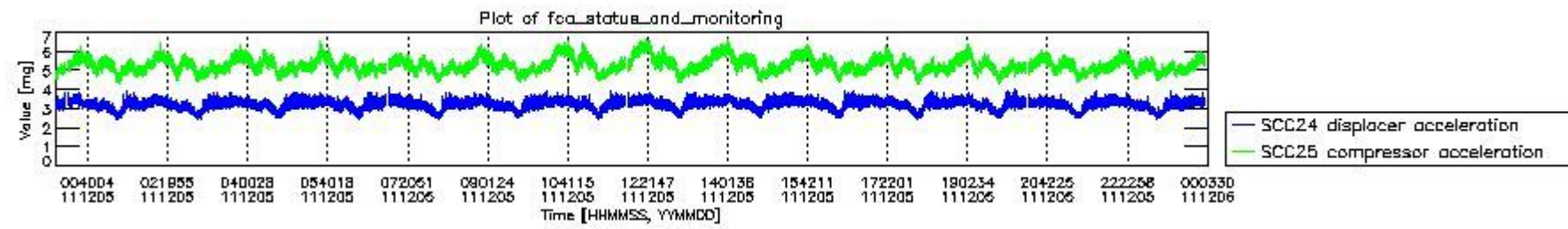
mipas_daily_report_level0_KSPT_L0_4504_N_20111205_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111205_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111205_9.PNG

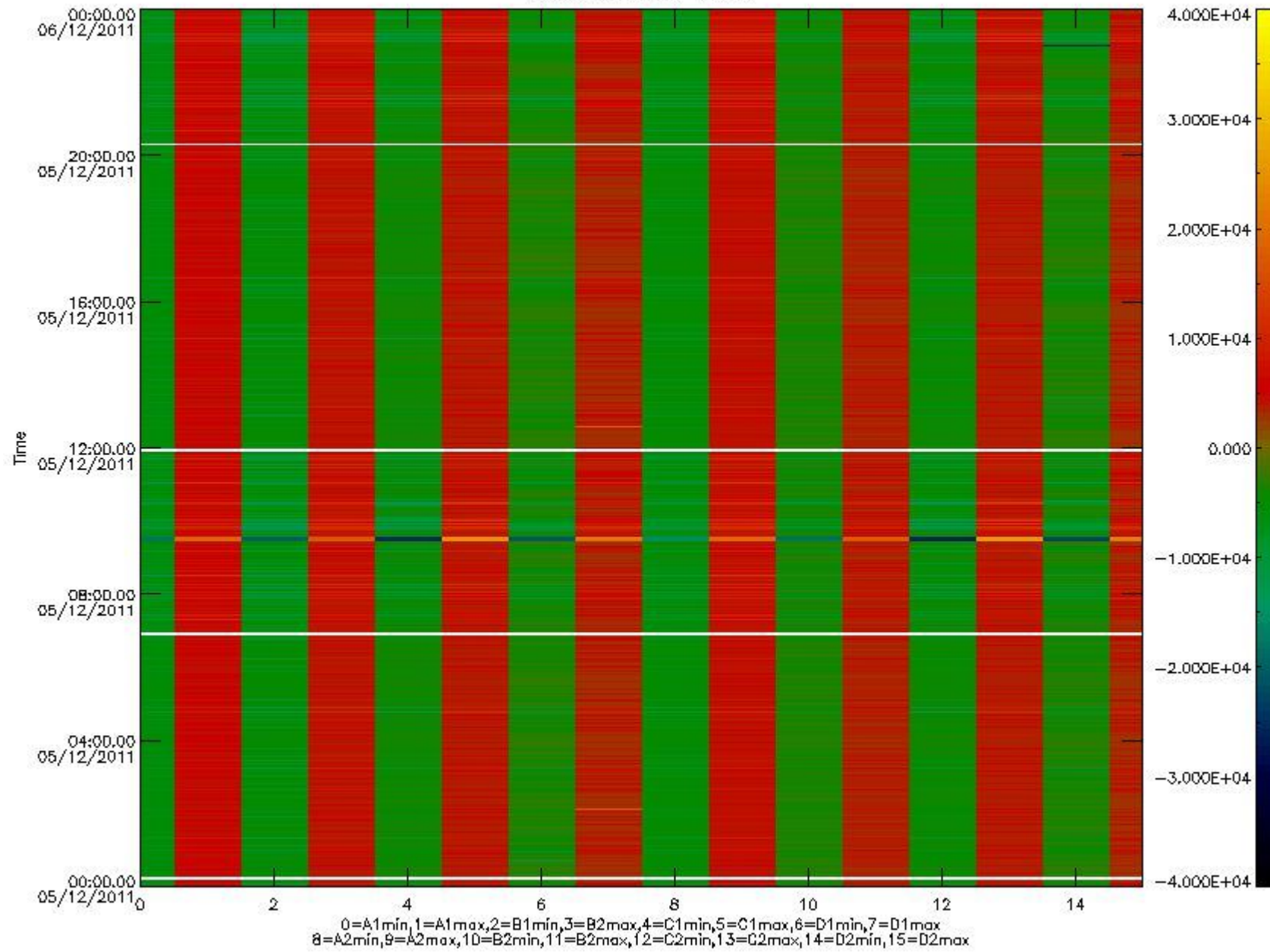


mipas_daily_report_level0_KSPT_L0_4504_N_20111205_10.PNG

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

Channel	Min	Max	ADC
A1	-18340	19448	16bit
B1	-20816	17866	16bit
C1	-25457	25319	16bit
D1	-32768	32767	16bit
A2	-15910	19661	16bit
B2	-18702	18325	16bit
C2	-26505	26051	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_20111205_11.PNG

0.3 ADF monitoring

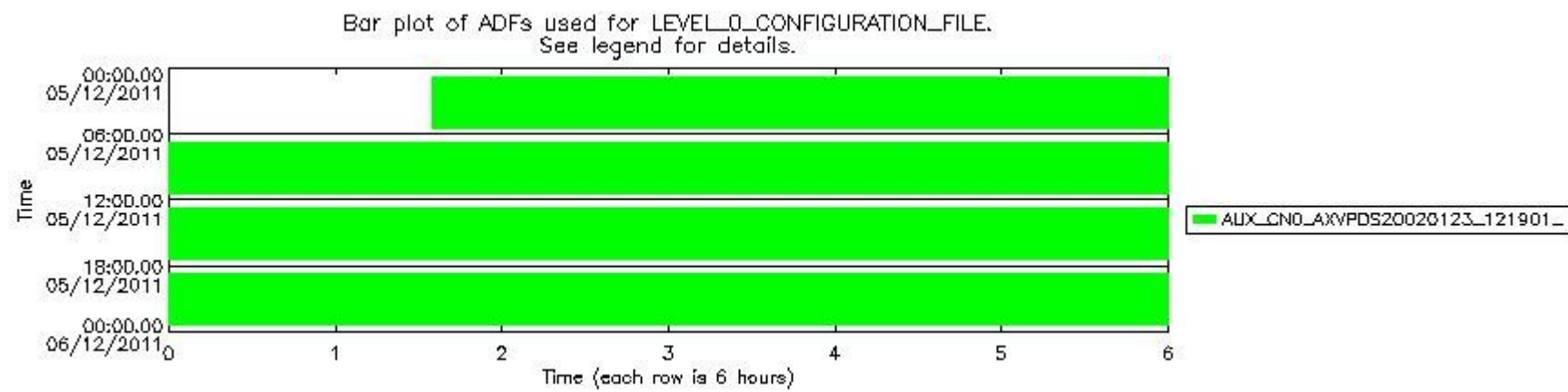
The use of ADFs is shown in two ways:

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.

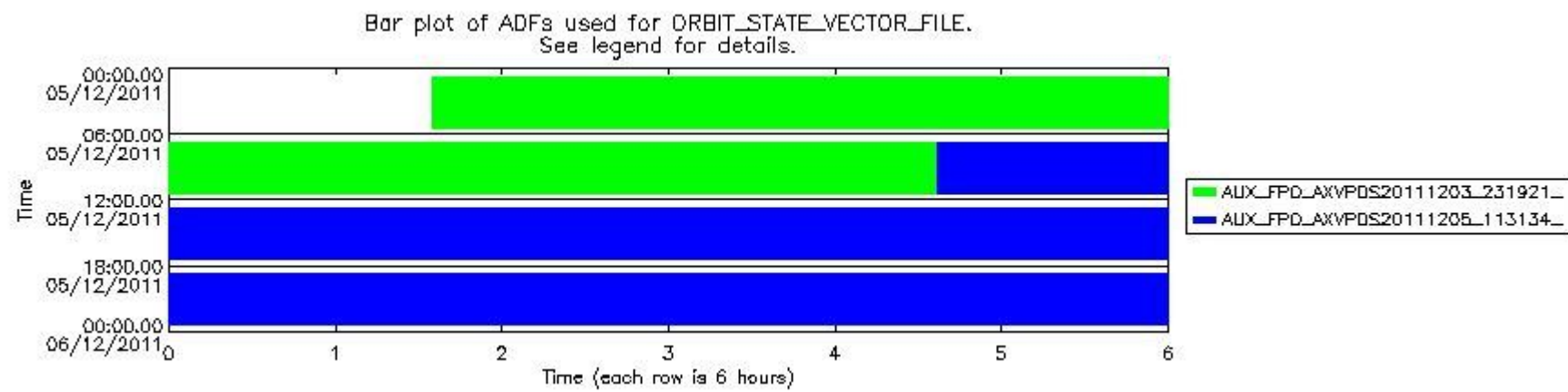
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111203_231921_20111203_194359_20111213_201726
2	AUX_FPO_AXVPDS20111205_113134_20111204_190714_20111214_212055

Number	Product name	#CN0	#FPO
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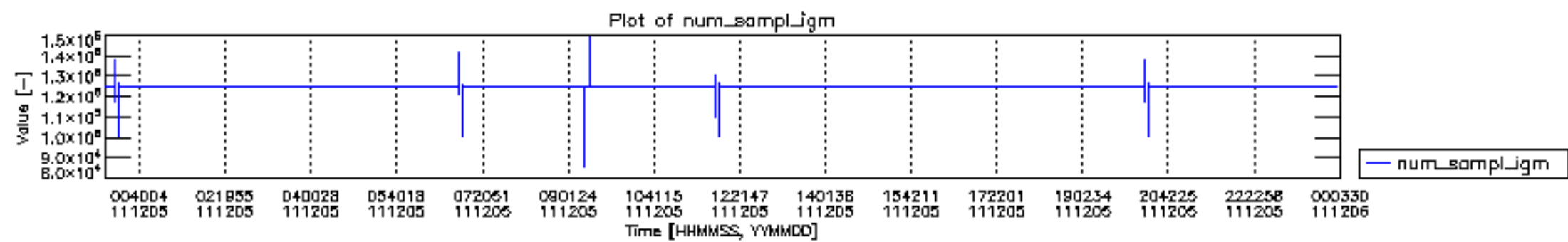
0	MIP_NL__0PNPDE20111205_013501_000043513109_00189_51065_0347.N1	0	1
1	MIP_NL__0PNPDE20111205_024659_000061403109_00190_51066_0348.N1	0	1
2	MIP_NL__0PNPDE20111205_042845_000060693109_00191_51067_0349.N1	0	1
3	MIP_NL__0PNPDK20111205_060921_000040833109_00192_51068_7710.N1	0	1
4	MIP_NL__0PNPDK20111205_071625_000061313109_00193_51069_7711.N1	0	1
5	MIP_NL__0PNPDK20111205_085656_000061083109_00194_51070_7712.N1	0	1
6	MIP_NL__0PNPDK20111205_103706_000060383109_00195_51071_7713.N1	0	2
7	MIP_NL__0PNPDK20111205_121601_000059103109_00196_51072_7714.N1	0	2
8	MIP_NL__0PNPDK20111205_135339_000060143109_00197_51073_7715.N1	0	2
9	MIP_NL__0PNPDK20111205_153309_000057783109_00198_51074_7716.N1	0	2
10	MIP_NL__0PNPDK20111205_170825_000060333109_00199_51075_7717.N1	0	2
11	MIP_NL__0PNPDK20111205_184753_000059943109_00200_51076_7718.N1	0	2
12	MIP_NL__0PNPDE20111205_202540_000044503109_00201_51077_0352.N1	0	2
13	MIP_NL__0PNPDE20111205_213849_000061543109_00201_51077_0353.N1	0	2
14	MIP_NL__0PNPDE20111205_232016_000060273109_00202_51078_0354.N1	0	2

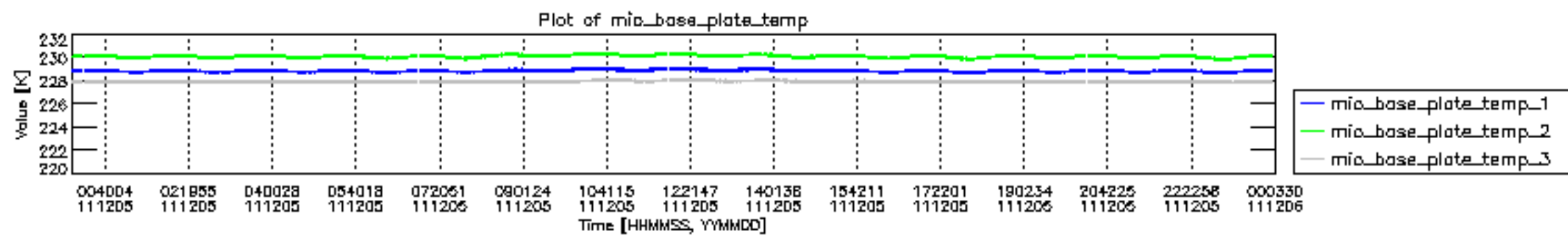


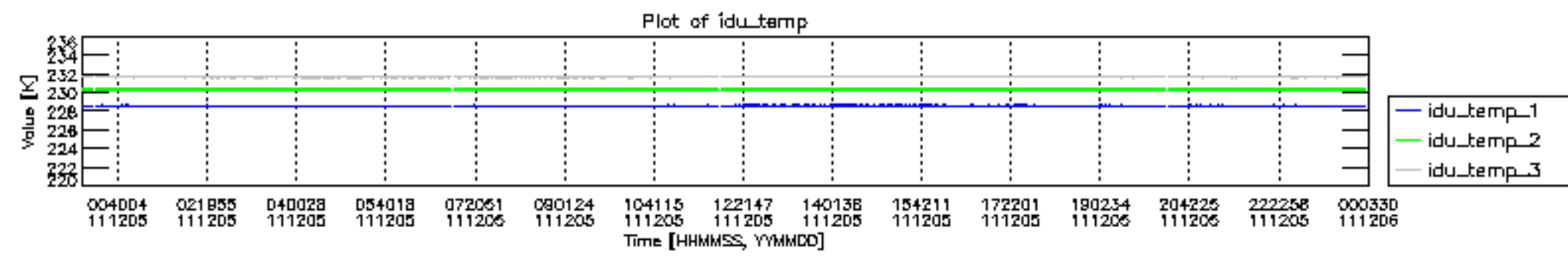
mipas_daily_report_level0_KSPT_L0_4504_N_20111205_12.PNG

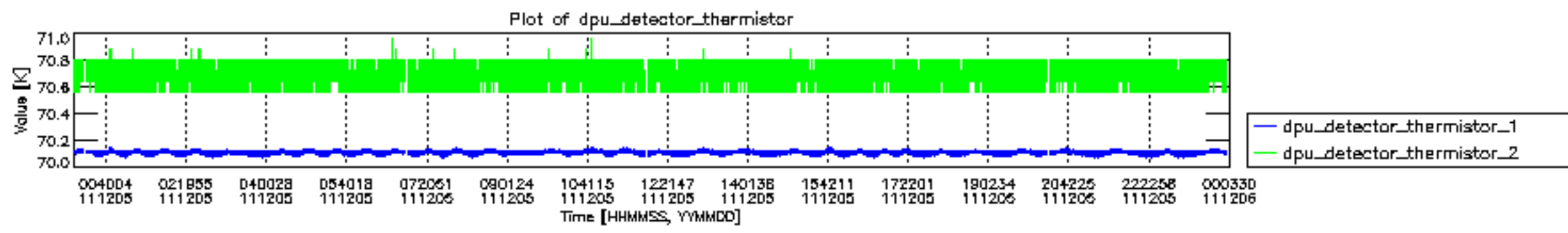


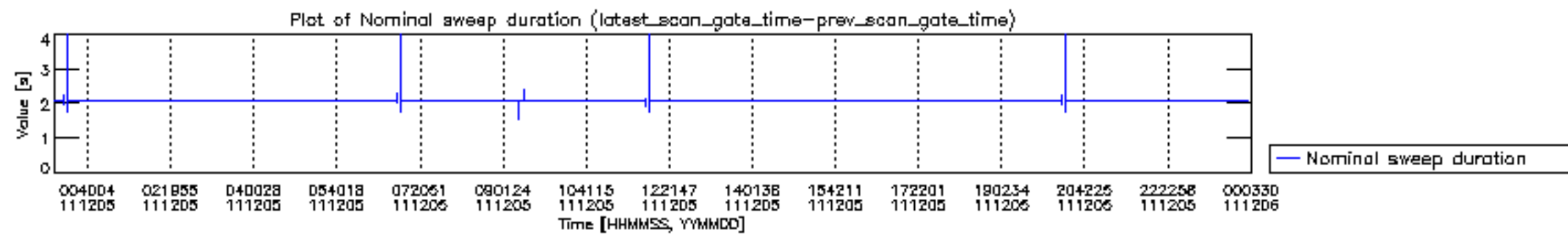
mipas_daily_report_level0_KSPT_L0_4504_N_20111205_13.PNG

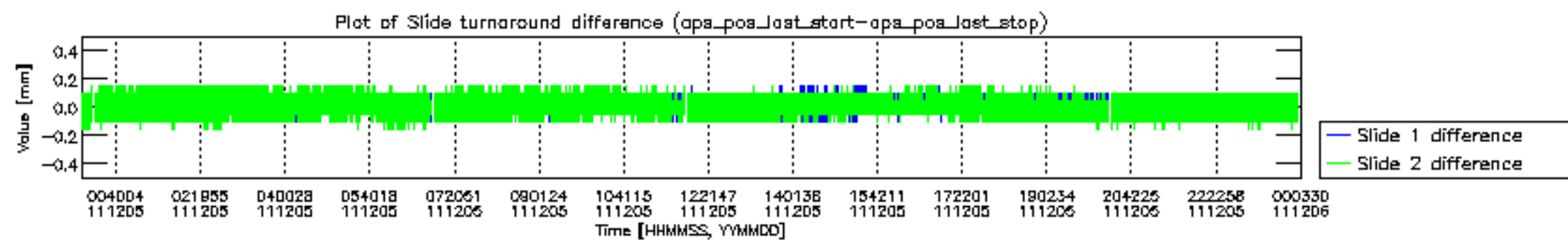


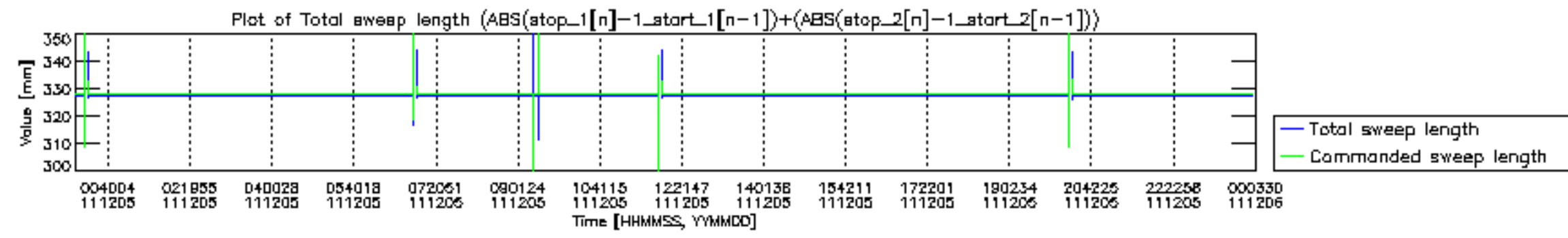


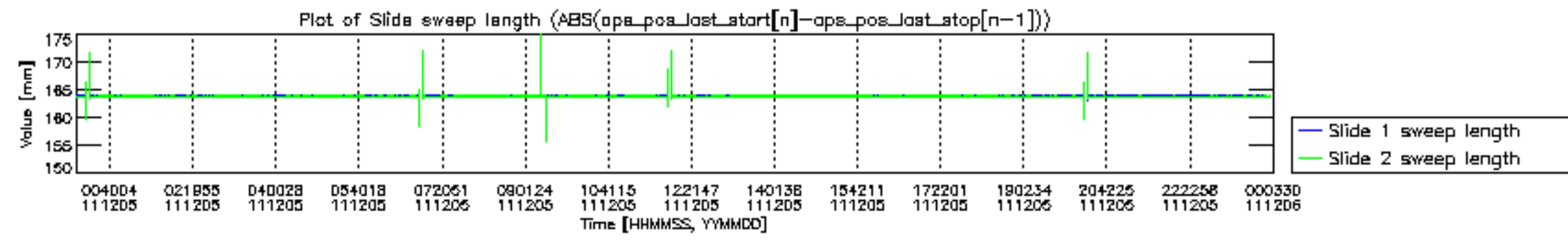


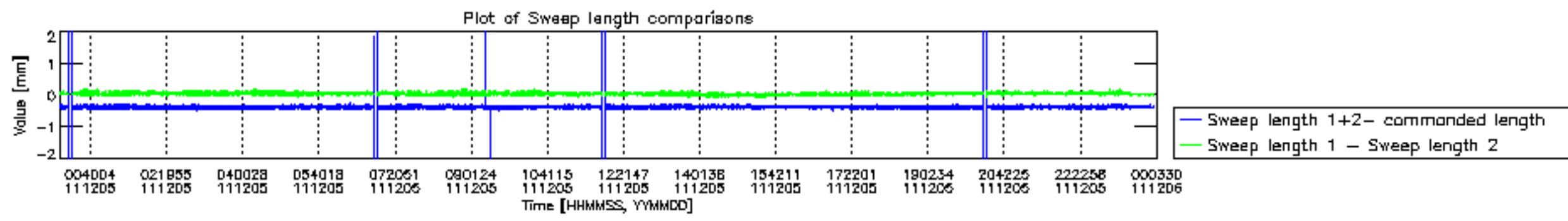


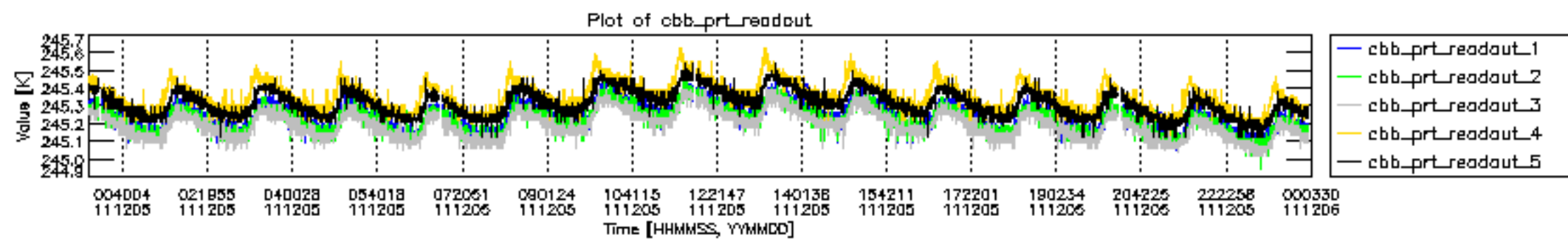


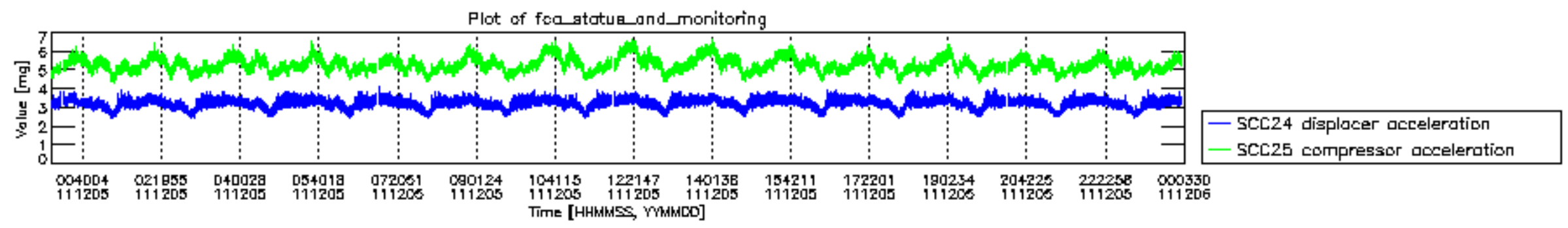












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

