

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	01JAN2011 05:24:19
Data source version	KSPT_L0/4504-N
Processing scope for products	27DEC2010 00:00:00 to 28DEC2010 00:00:00
Start time of first product within scope	27DEC2010 00:59:57
Stop time of last product within scope	28DEC2010 00:31:51
Total number of level 0 products	30
Number of level 0 products with errors	1

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__OPNPDE20101227_005957_000005083098_00002_46137_2580.N1	27DEC2010 00:59:57	27DEC2010 01:08:25	1	0	1	0	0
1	MIP_NL__OPNPDE20101227_010728_000102993098_00002_46137_2581.N1	27DEC2010 01:07:28	27DEC2010 03:59:07	0	0	0	0	0
2	MIP_NL__OPNPDE20101227_035834_000062273098_00004_46139_2582.N1	27DEC2010 03:58:34	27DEC2010 05:42:21	0	0	0	0	0
3	MIP_NL__OPNPDE20101227_054148_000060643098_00005_46140_2583.N1	27DEC2010 05:41:48	27DEC2010 07:22:52	0	0	0	0	0
4	MIP_NL__OPNPDE20101227_064856_000000293098_00006_46141_2584.N1	27DEC2010 06:48:56	27DEC2010 06:49:25	0	0	0	0	0
5	MIP_NL__OPNPDE20101227_064956_000000293098_00006_46141_2585.N1	27DEC2010 06:49:56	27DEC2010 06:50:26	0	0	0	0	0
6	MIP_NL__OPNPDE20101227_065028_000000313098_00006_46141_2586.N1	27DEC2010 06:50:28	27DEC2010 06:50:59	0	0	0	0	0
7	MIP_NL__OPNPDE20101227_065059_000000293098_00006_46141_2587.N1	27DEC2010 06:50:59	27DEC2010 06:51:29	0	0	0	0	0
8	MIP_NL__OPNPDE20101227_065131_000000293098_00006_46141_2588.N1	27DEC2010 06:51:31	27DEC2010 06:52:00	0	0	0	0	0
9	MIP_NL__OPNPDE20101227_065202_000000313098_00006_46141_2589.N1	27DEC2010 06:52:02	27DEC2010 06:52:33	0	0	0	0	0
10	MIP_NL__OPNPDE20101227_065233_000000293098_00006_46141_2590.N1	27DEC2010 06:52:33	27DEC2010 06:53:03	0	0	0	0	0
11	MIP_NL__OPNPDE20101227_065305_000000313098_00006_46141_2591.N1	27DEC2010 06:53:05	27DEC2010 06:53:36	0	0	0	0	0
12	MIP_NL__OPNPDE20101227_065336_000000293098_00006_46141_2592.N1	27DEC2010 06:53:36	27DEC2010 06:54:06	0	0	0	0	0
13	MIP_NL__OPNPDE20101227_065408_000000293098_00006_46141_2593.N1	27DEC2010 06:54:08	27DEC2010 06:54:37	0	0	0	0	0
14	MIP_NL__OPNPDE20101227_065439_000000313098_00006_46141_2594.N1	27DEC2010 06:54:39	27DEC2010 06:55:10	0	0	0	0	0
15	MIP_NL__OPNPDE20101227_065510_000000293098_00006_46141_2595.N1	27DEC2010 06:55:10	27DEC2010 06:55:40	0	0	0	0	0
16	MIP_NL__OPNPDE20101227_065542_000000313098_00006_46141_2596.N1	27DEC2010 06:55:42	27DEC2010 06:56:13	0	0	0	0	0
17	MIP_NL__OPNPDE20101227_065613_000000293098_00006_46141_2597.N1	27DEC2010 06:56:13	27DEC2010 06:56:43	0	0	0	0	0
18	MIP_NL__OPNPDE20101227_065645_000000293098_00006_46141_2598.N1	27DEC2010 06:56:45	27DEC2010 06:57:14	0	0	0	0	0
19	MIP_NL__OPNPDE20101227_065716_000000293098_00006_46141_2599.N1	27DEC2010 06:57:16	27DEC2010 06:57:45	0	0	0	0	0
20	MIP_NL__OPNPDE20101227_065748_000000293098_00006_46141_2600.N1	27DEC2010 06:57:48	27DEC2010 06:58:17	0	0	0	0	0
21	MIP_NL__OPNPDE20101227_065819_000000313098_00006_46141_2601.N1	27DEC2010 06:58:19	27DEC2010 06:58:50	0	0	0	0	0
22	MIP_NL__OPNPDE20101227_065850_000000313098_00006_46141_2602.N1	27DEC2010 06:58:50	27DEC2010 06:59:22	0	0	0	0	0
23	MIP_NL__OPNPDE20101227_065924_000014083098_00006_46141_2603.N1	27DEC2010 06:59:24	27DEC2010 07:22:52	0	0	0	0	0
24	MIP_NL__OPNPDK20101227_132614_000059393098_00010_46145_3794.N1	27DEC2010 13:26:14	27DEC2010 15:05:13	0	0	0	0	0
25	MIP_NL__OPNPDK20101227_150440_000059353098_00011_46146_3795.N1	27DEC2010 15:04:40	27DEC2010 16:43:35	0	0	0	0	0
26	MIP_NL__OPNPDK20101227_164234_000058743098_00012_46147_3796.N1	27DEC2010 16:42:34	27DEC2010 18:20:28	0	0	0	0	0
27	MIP_NL__OPNPDE20101227_195747_000041323098_00014_46149_2604.N1	27DEC2010 19:57:47	27DEC2010 21:06:39	0	0	0	0	0

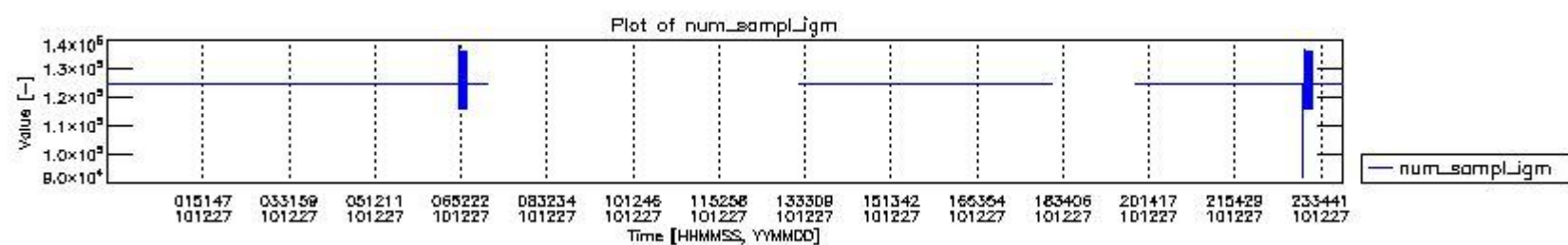
28	MIP_NL__OPNPDE20101227_210503_000062633098_00014_46149_2605.N1	27DEC2010 21:05:03	27DEC2010 22:49:26	0	0	0	0	0
29	MIP_NL__OPNPDE20101227_224752_000062383098_00015_46150_2606.N1	27DEC2010 22:47:52	28DEC2010 00:31:51	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

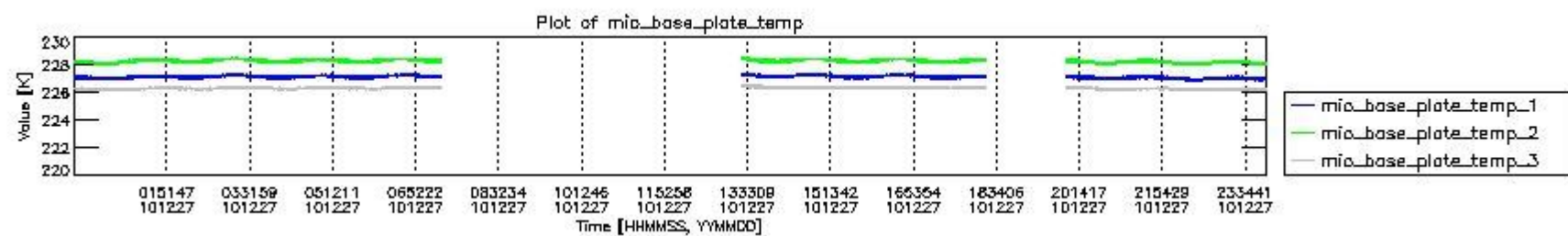
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

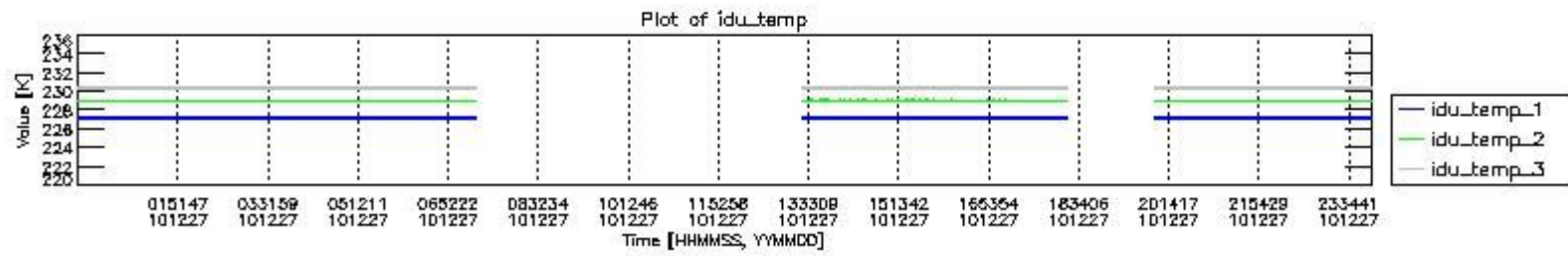
Number of igm samples	Count [#]	Count [%]
92258	1	0.0034233679
98463	1	0.0034233679
116008	7	0.023963575
116082	37	0.12666461
116156	7	0.023963575
116231	3	0.010270104
117941	2	0.0068467358
118595	1	0.0034233679
124800	27006	92.451474
124803	2034	6.9631303
127348	7	0.023963575
127496	37	0.12666461
127644	7	0.023963575
127794	3	0.010270104
131214	2	0.0068467358
136140	7	0.023963575
136214	37	0.12666461
136288	7	0.023963575
136363	3	0.010270104
138073	2	0.0068467358



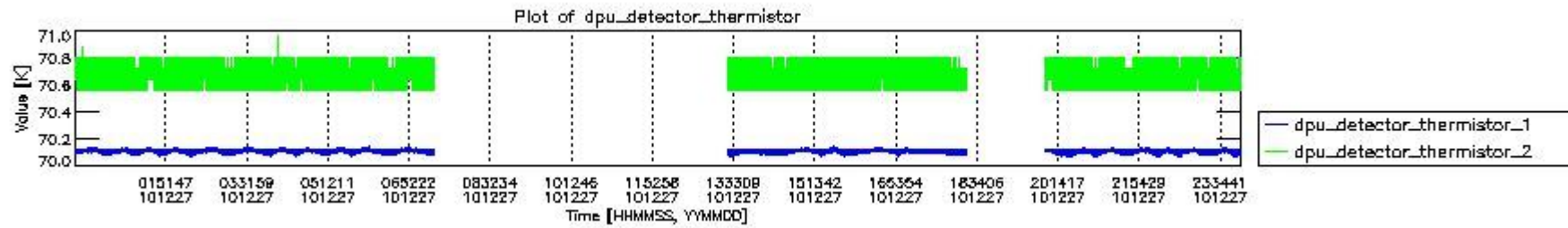
mipas_daily_report_level0_KSPT_L0_4504_N_20101227_0.PNG



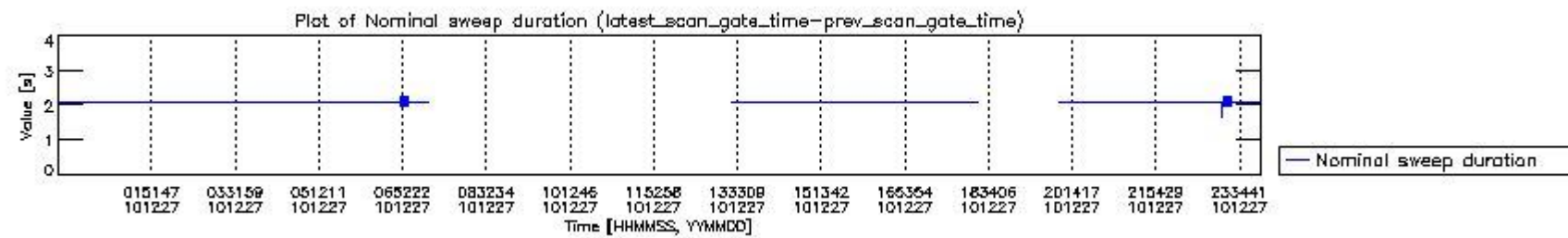
mipas_daily_report_level0_KSPT_L0_4504_N_20101227_1.PNG



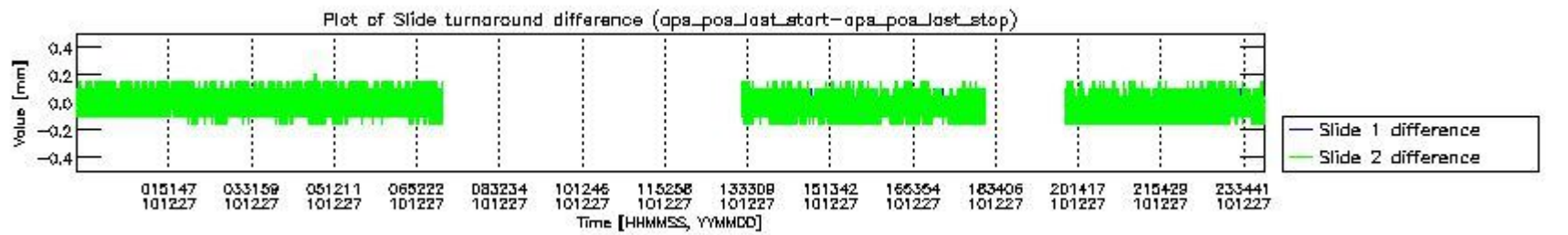
mipas_daily_report_level0_KSPT_L0_4504_N_20101227_2.PNG



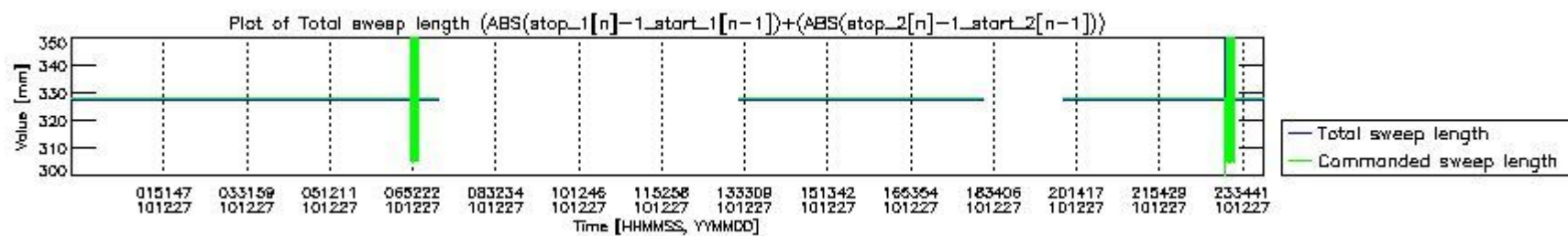
mipas_daily_report_level0_KSPT_L0_4504_N_20101227_3.PNG



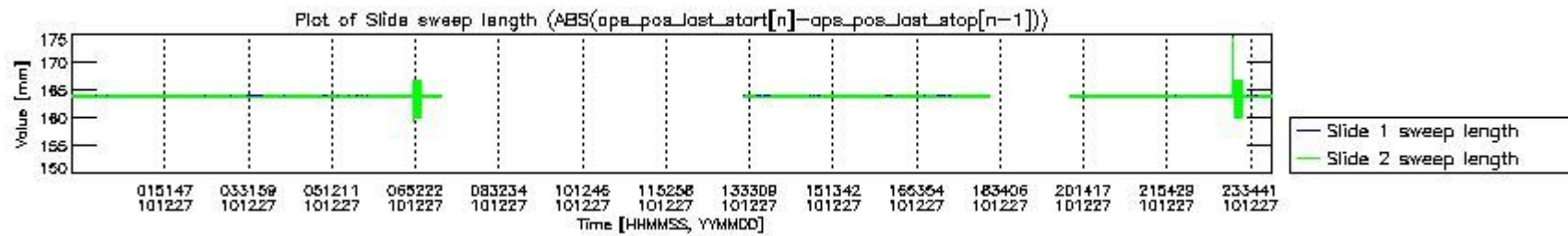
mipas_daily_report_level0_KSPT_L0_4504_N_20101227_4.PNG



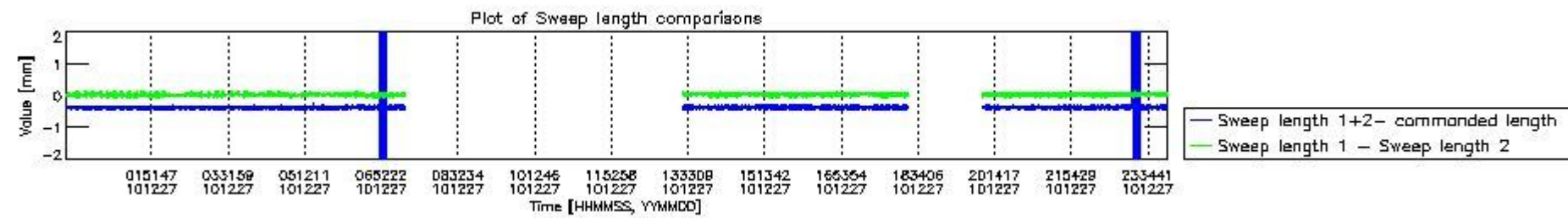
mipas_daily_report_level0_KSPT_L0_4504_N_20101227_5.PNG



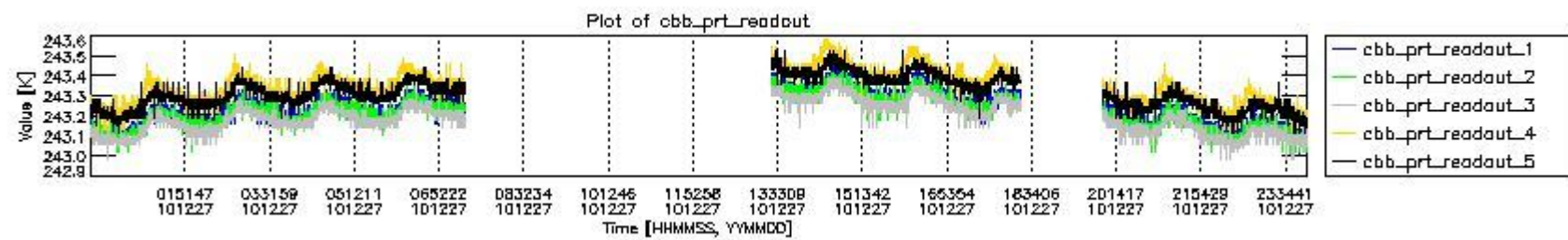
mipas_daily_report_level0_KSPT_L0_4504_N_20101227_6.PNG



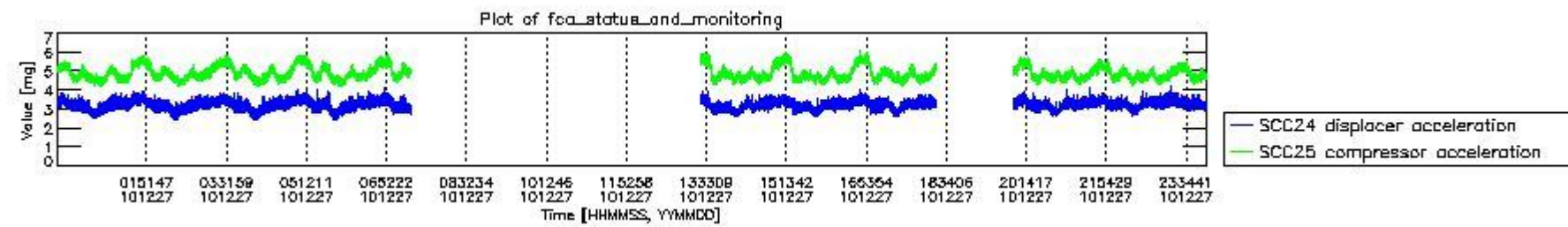
mipas_daily_report_level0_KSPT_L0_4504_N_20101227_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101227_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101227_9.PNG

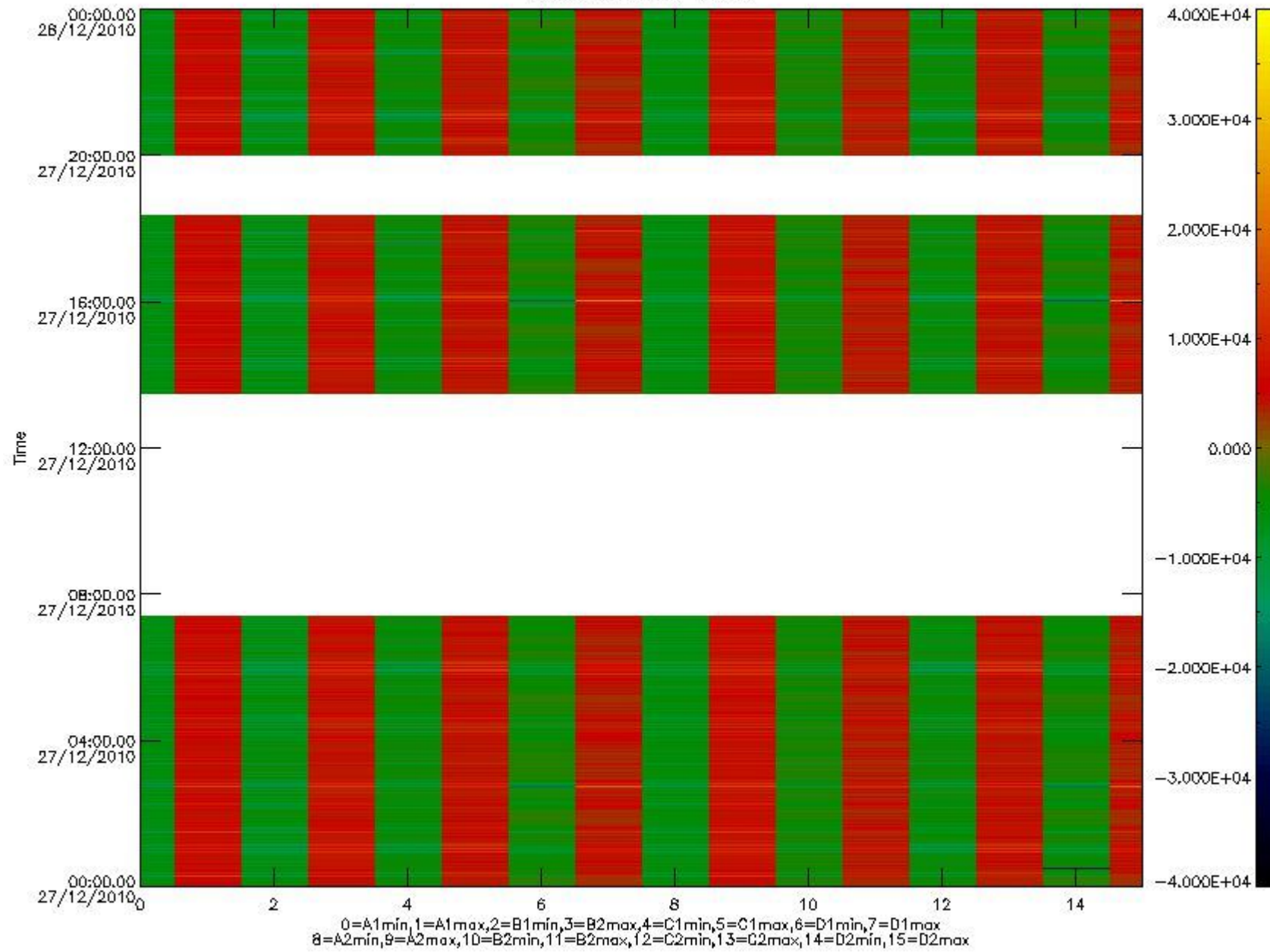


mipas_daily_report_level0_KSPT_L0_4504_N_20101227_10.PNG

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

Channel	Min	Max	ADC
A1	-15231	15792	16bit
B1	-16092	14342	16bit
C1	-24064	15752	16bit
D1	-32768	32767	16bit
A2	-13468	16263	16bit
B2	-12609	12330	16bit
C2	-16531	24100	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_20101227_11.PNG

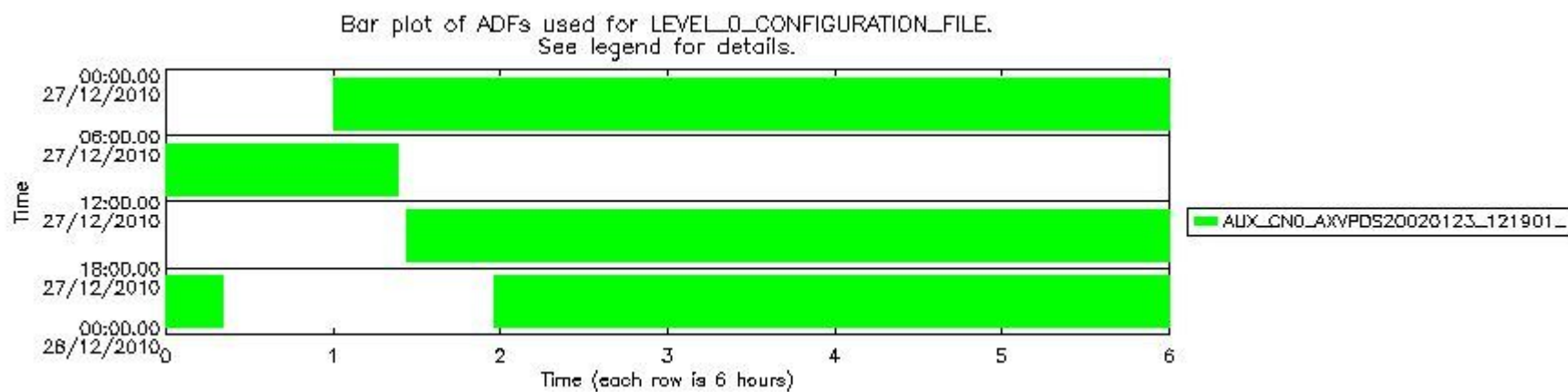
0.3 ADF monitoring

The use of ADFs is shown in two ways:

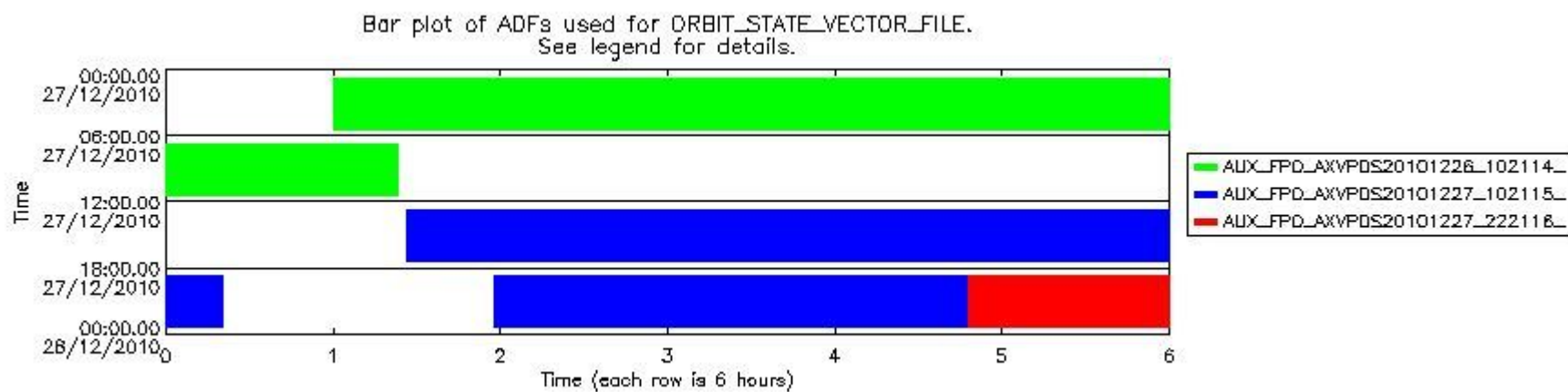
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

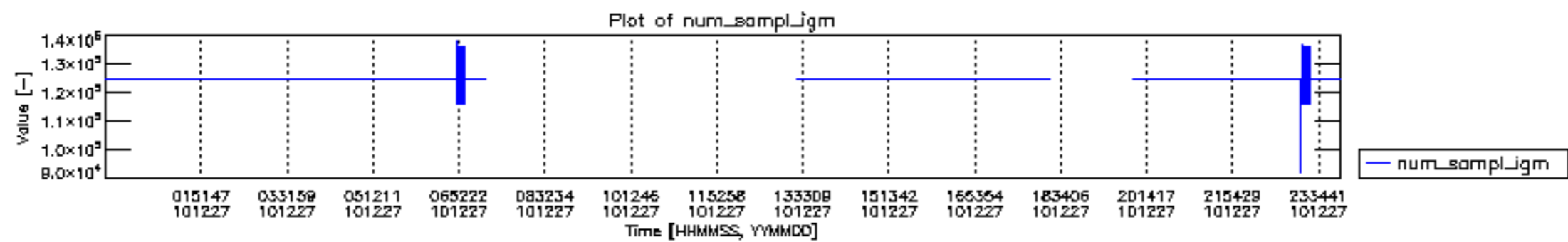
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101226_102114_20101225_191531_20110104_212924
2	AUX_FPO_AXVPDS20101227_102115_20101226_183847_20110105_205240
3	AUX_FPO_AXVPDS20101227_222116_20101227_194217_20110106_201556

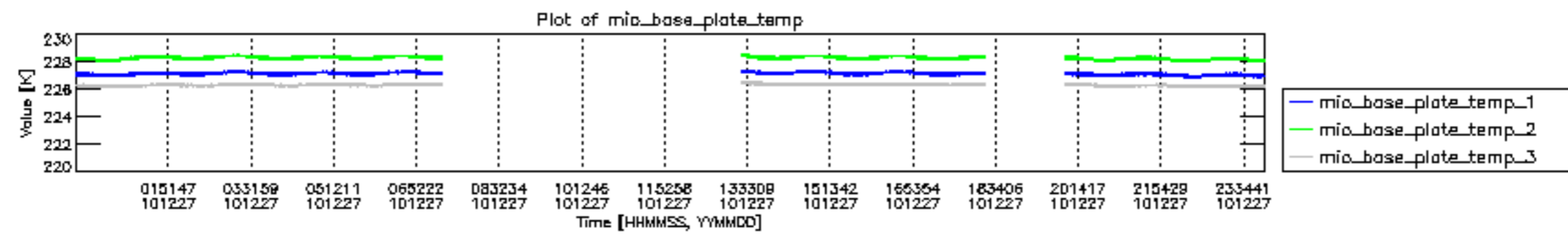
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20101227_005957_000005083098_00002_46137_2580.N1	0	1
1	MIP_NL__0PNPDE20101227_010728_000102993098_00002_46137_2581.N1	0	1
2	MIP_NL__0PNPDE20101227_035834_000062273098_00004_46139_2582.N1	0	1
3	MIP_NL__0PNPDE20101227_054148_000060643098_00005_46140_2583.N1	0	1
4	MIP_NL__0PNPDE20101227_064856_000000293098_00006_46141_2584.N1	0	2
5	MIP_NL__0PNPDE20101227_064956_000000293098_00006_46141_2585.N1	0	2
6	MIP_NL__0PNPDE20101227_065028_000000313098_00006_46141_2586.N1	0	2
7	MIP_NL__0PNPDE20101227_065059_000000293098_00006_46141_2587.N1	0	2
8	MIP_NL__0PNPDE20101227_065131_000000293098_00006_46141_2588.N1	0	2
9	MIP_NL__0PNPDE20101227_065202_000000313098_00006_46141_2589.N1	0	2
10	MIP_NL__0PNPDE20101227_065233_000000293098_00006_46141_2590.N1	0	2
11	MIP_NL__0PNPDE20101227_065305_000000313098_00006_46141_2591.N1	0	2
12	MIP_NL__0PNPDE20101227_065336_000000293098_00006_46141_2592.N1	0	2
13	MIP_NL__0PNPDE20101227_065408_000000293098_00006_46141_2593.N1	0	2
14	MIP_NL__0PNPDE20101227_065439_000000313098_00006_46141_2594.N1	0	2
15	MIP_NL__0PNPDE20101227_065510_000000293098_00006_46141_2595.N1	0	2
16	MIP_NL__0PNPDE20101227_065542_000000313098_00006_46141_2596.N1	0	2
17	MIP_NL__0PNPDE20101227_065613_000000293098_00006_46141_2597.N1	0	2
18	MIP_NL__0PNPDE20101227_065645_000000293098_00006_46141_2598.N1	0	2
19	MIP_NL__0PNPDE20101227_065716_000000293098_00006_46141_2599.N1	0	2
20	MIP_NL__0PNPDE20101227_065748_000000293098_00006_46141_2600.N1	0	2
21	MIP_NL__0PNPDE20101227_065819_000000313098_00006_46141_2601.N1	0	2
22	MIP_NL__0PNPDE20101227_065850_000000313098_00006_46141_2602.N1	0	2
23	MIP_NL__0PNPDE20101227_065924_000014083098_00006_46141_2603.N1	0	2
24	MIP_NL__0PNPDK20101227_132614_000059393098_00010_46145_3794.N1	0	2
25	MIP_NL__0PNPDK20101227_150440_000059353098_00011_46146_3795.N1	0	2
26	MIP_NL__0PNPDK20101227_164234_000058743098_00012_46147_3796.N1	0	2
27	MIP_NL__0PNPDE20101227_195747_000041323098_00014_46149_2604.N1	0	2
28	MIP_NL__0PNPDE20101227_210503_000062633098_00014_46149_2605.N1	0	2
29	MIP_NL__0PNPDE20101227_224752_000062383098_00015_46150_2606.N1	0	3

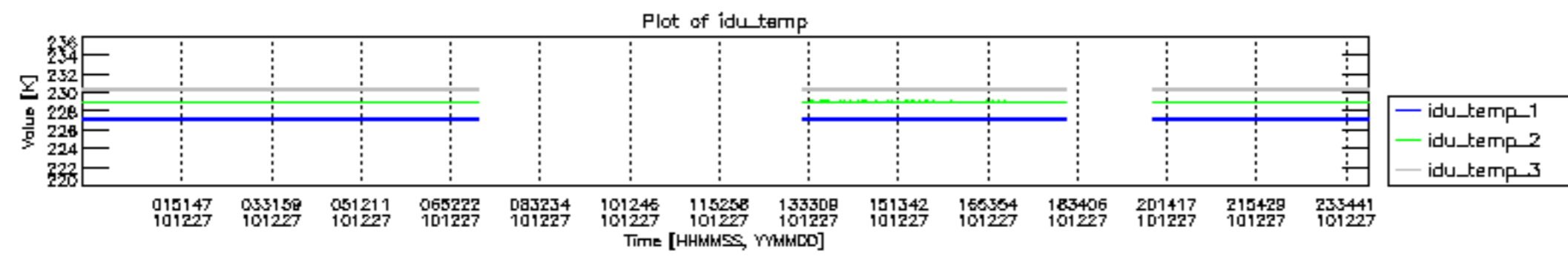


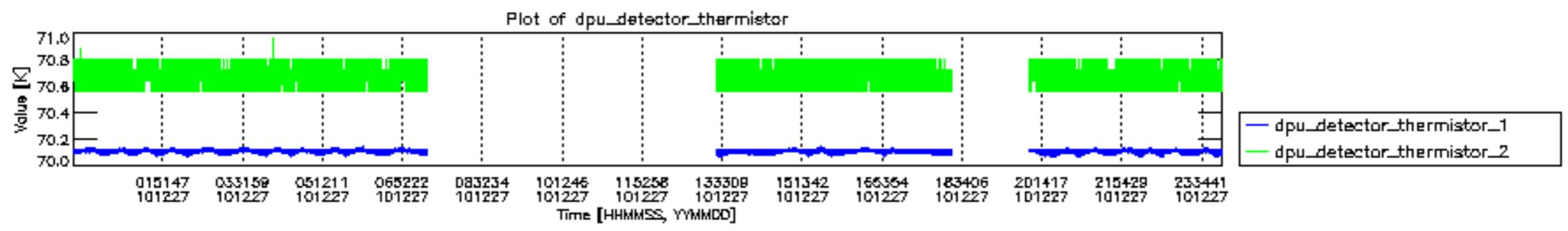
mipas_daily_report_level0_KSPT_L0_4504_N_20101227_12.PNG

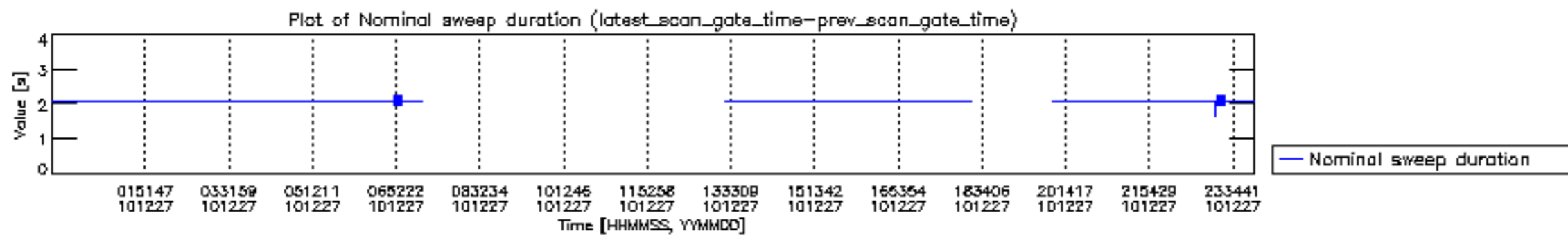


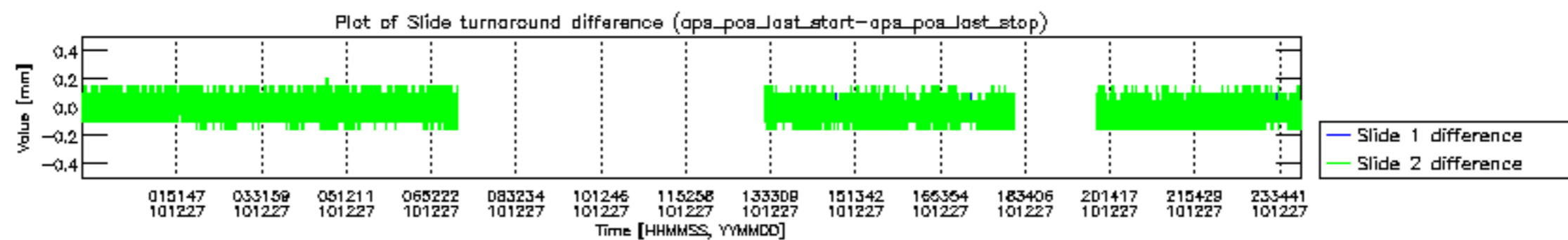


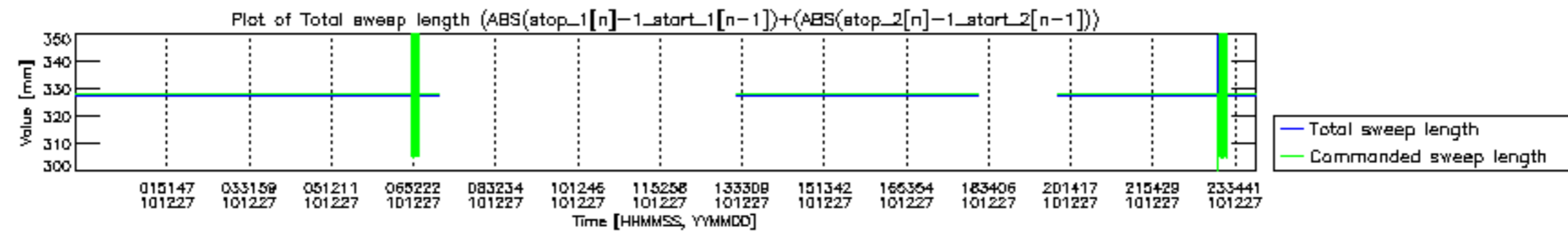


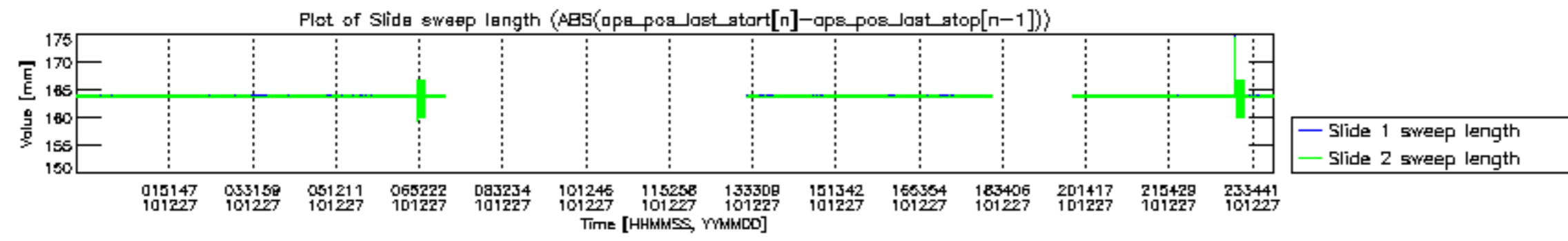


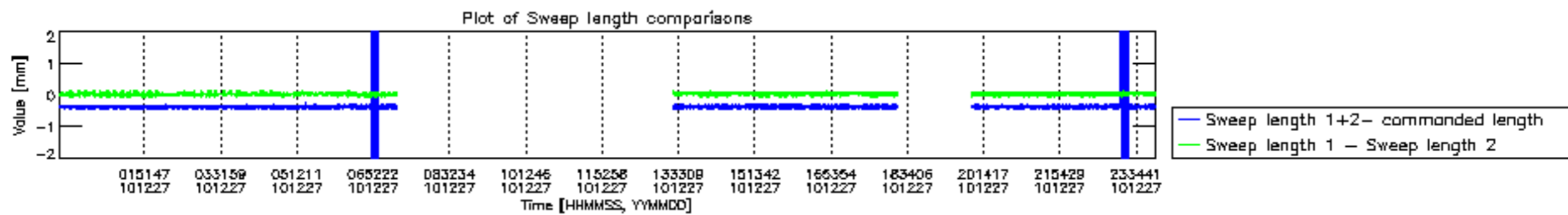


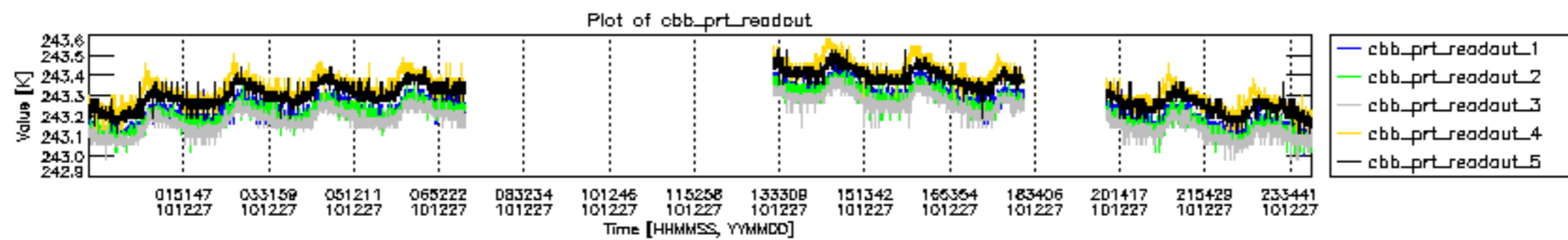


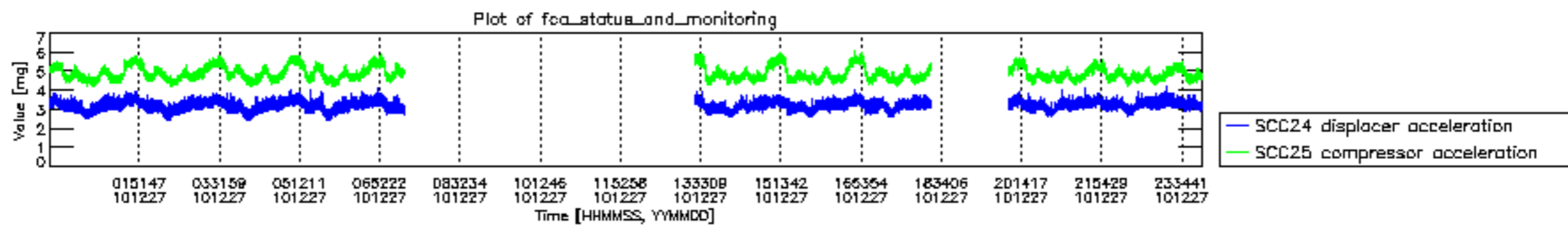












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

