

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	08FEB2012 12:14:02
Data source version	KSPT_L0/4504-N
Processing scope for products	03FEB2012 00:00:00 to 04FEB2012 00:00:00
Start time of first product within scope	03FEB2012 06:09:39
Stop time of last product within scope	04FEB2012 01:00:32
Total number of level 0 products	52
Number of level 0 products with errors	30

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__OPNPDK20120203_060939_000040673111_00192_51930_8433.N1	03FEB2012 06:09:39	03FEB2012 07:17:27	0	0	0	0	0
1	MIP_NL__OPNPDK20120203_071626_000061623111_00193_51931_8434.N1	03FEB2012 07:16:26	03FEB2012 08:59:08	0	0	0	0	0
2	MIP_NL__OPNPDK20120203_085749_000060353111_00194_51932_8435.N1	03FEB2012 08:57:49	03FEB2012 10:38:24	0	0	0	0	0
3	MIP_NL__OPNPDK20120203_103642_000060583111_00195_51933_8436.N1	03FEB2012 10:36:42	03FEB2012 12:17:40	0	0	0	0	0
4	MIP_NL__OPNPDK20120203_121557_000058783111_00196_51934_8437.N1	03FEB2012 12:15:57	03FEB2012 13:53:56	0	0	0	0	0
5	MIP_NL__OPNPDK20120203_135255_000060793111_00197_51935_8438.N1	03FEB2012 13:52:55	03FEB2012 15:34:14	0	0	0	0	0
6	MIP_NL__OPNPDK20120203_153314_000058783111_00198_51936_8439.N1	03FEB2012 15:33:14	03FEB2012 17:11:12	0	0	0	0	0
7	MIP_NL__OPNPDK20120203_171026_000058053111_00199_51937_8440.N1	03FEB2012 17:10:26	03FEB2012 18:47:11	0	0	0	0	0
8	MIP_NL__OPNPDK20120203_184607_000060663111_00200_51938_8441.N1	03FEB2012 18:46:07	03FEB2012 20:27:13	0	0	0	0	0
9	MIP_NL__OPNPDE20120203_202510_000044243111_00201_51939_5566.N1	03FEB2012 20:25:10	03FEB2012 21:38:54	0	0	0	0	0
10	MIP_NL__OPNPDE20120203_213754_000010363111_00201_51939_0925.N1	03FEB2012 21:37:54	03FEB2012 21:55:10	1	1	0	0	0
11	MIP_NL__OPNPDE20120203_213932_000000483111_00201_51939_5568.N1	03FEB2012 21:39:32	03FEB2012 21:40:20	1	1	0	0	0
12	MIP_NL__OPNPDE20120203_214020_000001733111_00201_51939_5569.N1	03FEB2012 21:40:20	03FEB2012 21:43:13	1	1	0	0	0
13	MIP_NL__OPNPDE20120203_214313_000003283111_00201_51939_5572.N1	03FEB2012 21:43:13	03FEB2012 21:48:41	1	1	0	0	0
14	MIP_NL__OPNPDE20120203_214841_000003113111_00201_51939_5574.N1	03FEB2012 21:48:41	03FEB2012 21:53:53	1	1	0	0	0
15	MIP_NL__OPNPDE20120203_215353_000000153111_00202_51940_5578.N1	03FEB2012 21:53:53	03FEB2012 21:54:07	0	0	0	0	0
16	MIP_NL__OPNPDE20120203_215407_000001713111_00202_51940_5580.N1	03FEB2012 21:54:07	03FEB2012 21:56:59	1	1	0	0	0
17	MIP_NL__OPNPDE20120203_215659_000001173111_00202_51940_5585.N1	03FEB2012 21:56:59	03FEB2012 21:58:56	1	1	0	0	0
18	MIP_NL__OPNPDE20120203_215856_000001213111_00202_51940_5586.N1	03FEB2012 21:58:56	03FEB2012 22:00:57	1	1	0	0	0
19	MIP_NL__OPNPDE20120203_220057_000002013111_00202_51940_5587.N1	03FEB2012 22:00:57	03FEB2012 22:04:17	1	1	0	0	0
20	MIP_NL__OPNPDE20120203_220419_000000213111_00202_51940_5590.N1	03FEB2012 22:04:19	03FEB2012 22:04:40	0	0	0	0	0
21	MIP_NL__OPNPDE20120203_220440_000004033111_00202_51940_5591.N1	03FEB2012 22:04:40	03FEB2012 22:11:24	1	1	0	0	1
22	MIP_NL__OPNPDE20120203_221124_000002033111_00202_51940_5592.N1	03FEB2012 22:11:24	03FEB2012 22:14:46	1	1	0	0	0
23	MIP_NL__OPNPDE20120203_221446_000000383111_00202_51940_5593.N1	03FEB2012 22:14:46	03FEB2012 22:15:24	0	0	0	0	0
24	MIP_NL__OPNPDE20120203_221524_000000693111_00202_51940_5594.N1	03FEB2012 22:15:24	03FEB2012 22:16:33	1	1	0	0	0
25	MIP_NL__OPNPDE20120203_221633_000000233111_00202_51940_5595.N1	03FEB2012 22:16:33	03FEB2012 22:16:56	1	1	0	0	0
26	MIP_NL__OPNPDE20120203_221658_000001593111_00202_51940_5596.N1	03FEB2012 22:16:58	03FEB2012 22:19:37	1	1	0	0	0
27	MIP_NL__OPNPDE20120203_221937_000002743111_00202_51940_5597.N1	03FEB2012 22:19:37	03FEB2012 22:24:10	1	1	0	0	0

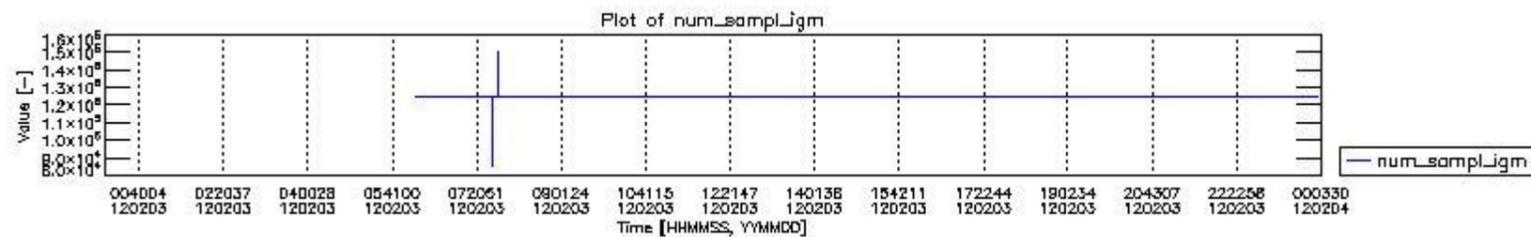
28	MIP_NL__OPNPDE20120203_222410_000000443111_00202_51940_5599.N1	03FEB2012 22:24:10	03FEB2012 22:24:54	0	0	0	0	0	0
29	MIP_NL__OPNPDE20120203_222454_000000673111_00202_51940_5600.N1	03FEB2012 22:24:54	03FEB2012 22:26:01	0	0	0	0	0	0
30	MIP_NL__OPNPDE20120203_222601_000000463111_00202_51940_5601.N1	03FEB2012 22:26:01	03FEB2012 22:26:47	1	1	0	0	0	0
31	MIP_NL__OPNPDE20120203_222647_000000193111_00202_51940_5603.N1	03FEB2012 22:26:47	03FEB2012 22:27:06	0	0	0	0	0	0
32	MIP_NL__OPNPDE20120203_222706_000000963111_00202_51940_5604.N1	03FEB2012 22:27:06	03FEB2012 22:28:42	1	1	0	0	0	0
33	MIP_NL__OPNPDE20120203_222844_000000173111_00202_51940_5606.N1	03FEB2012 22:28:44	03FEB2012 22:29:01	1	1	0	0	0	0
34	MIP_NL__OPNPDE20120203_222901_000000903111_00202_51940_5607.N1	03FEB2012 22:29:01	03FEB2012 22:30:30	1	1	0	0	0	0
35	MIP_NL__OPNPDE20120203_223030_000000383111_00202_51940_5608.N1	03FEB2012 22:30:30	03FEB2012 22:31:08	0	0	0	0	0	0
36	MIP_NL__OPNPDE20120203_223108_000000273111_00202_51940_5609.N1	03FEB2012 22:31:08	03FEB2012 22:31:35	0	0	0	0	0	0
37	MIP_NL__OPNPDE20120203_223135_000001503111_00202_51940_5610.N1	03FEB2012 22:31:35	03FEB2012 22:34:06	1	1	0	0	0	0
38	MIP_NL__OPNPDE20120203_223406_000000463111_00202_51940_5612.N1	03FEB2012 22:34:06	03FEB2012 22:34:51	1	0	1	0	0	0
39	MIP_NL__OPNPDE20120203_223451_000000423111_00202_51940_5613.N1	03FEB2012 22:34:51	03FEB2012 22:35:33	0	0	0	0	0	0
40	MIP_NL__OPNPDE20120203_223533_000000483111_00202_51940_5614.N1	03FEB2012 22:35:33	03FEB2012 22:36:21	0	0	0	0	0	0
41	MIP_NL__OPNPDE20120203_223621_000003383111_00202_51940_5617.N1	03FEB2012 22:36:21	03FEB2012 22:42:00	1	1	0	0	0	0
42	MIP_NL__OPNPDE20120203_224200_000001463111_00202_51940_5619.N1	03FEB2012 22:42:00	03FEB2012 22:44:26	1	1	0	0	0	0
43	MIP_NL__OPNPDE20120203_224426_000000543111_00202_51940_5621.N1	03FEB2012 22:44:26	03FEB2012 22:45:20	1	1	0	0	0	0
44	MIP_NL__OPNPDE20120203_224520_000001363111_00202_51940_5622.N1	03FEB2012 22:45:20	03FEB2012 22:47:36	1	1	0	0	0	0
45	MIP_NL__OPNPDE20120203_224736_000001503111_00202_51940_5624.N1	03FEB2012 22:47:36	03FEB2012 22:50:06	1	1	0	0	0	0
46	MIP_NL__OPNPDE20120203_225009_000000753111_00202_51940_5625.N1	03FEB2012 22:50:09	03FEB2012 22:51:24	1	1	0	0	0	0
47	MIP_NL__OPNPDE20120203_225124_000000173111_00202_51940_5626.N1	03FEB2012 22:51:24	03FEB2012 22:51:40	0	0	0	0	0	0
48	MIP_NL__OPNPDE20120203_225243_000003203111_00202_51940_0950.N1	03FEB2012 22:52:43	03FEB2012 22:58:03	1	1	0	0	0	0
49	MIP_NL__OPNPDE20120203_225805_000005683111_00202_51940_0953.N1	03FEB2012 22:58:05	03FEB2012 23:07:33	1	1	0	0	0	0
50	MIP_NL__OPNPDE20120203_230733_000007653111_00202_51940_0955.N1	03FEB2012 23:07:33	03FEB2012 23:20:18	1	1	0	0	0	0
51	MIP_NL__OPNPDE20120203_231911_000060813111_00202_51940_0957.N1	03FEB2012 23:19:11	04FEB2012 01:00:32	0	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

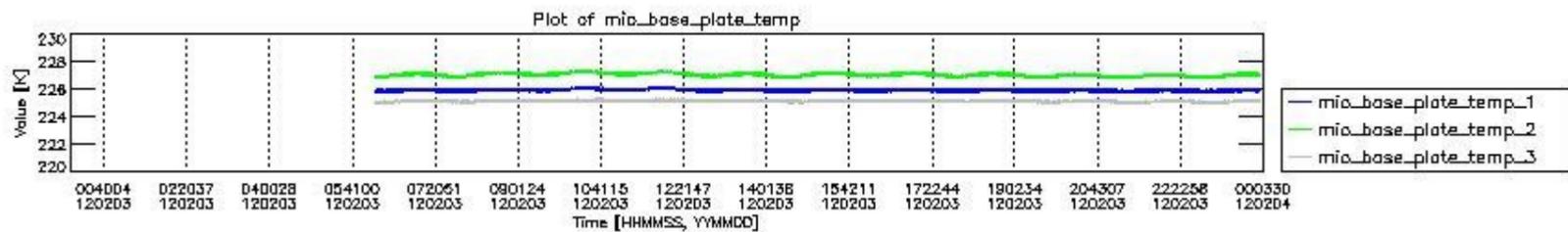
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__OP product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

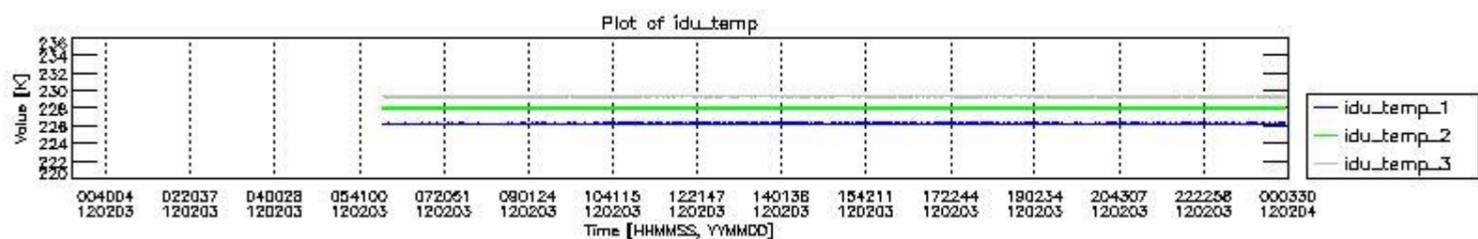
Number of igm samples	Count [#]	Count [%]
85122	1	0.0032341527
94895	1	0.0032341527
115027	1	0.0032341527
124800	29162	94.314360
124803	1752	5.6662354
127605	1	0.0032341527
147737	1	0.0032341527
150542	1	0.0032341527



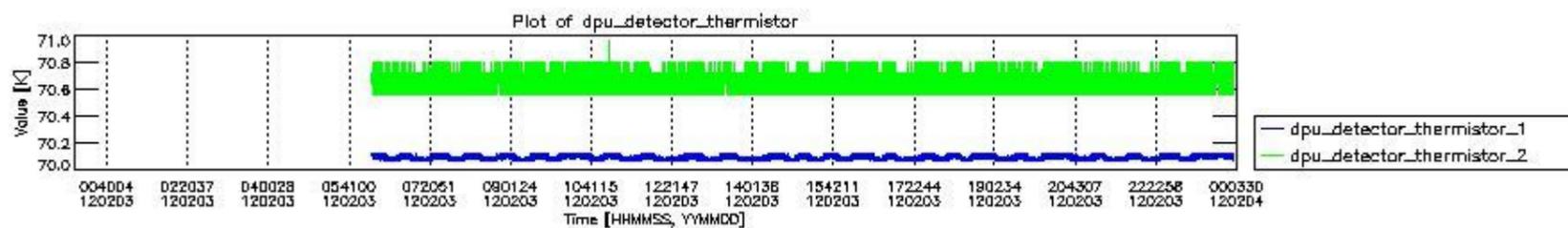
mipas_daily_report_level0_KSPT_L0_4504_N_20120203_0.PNG



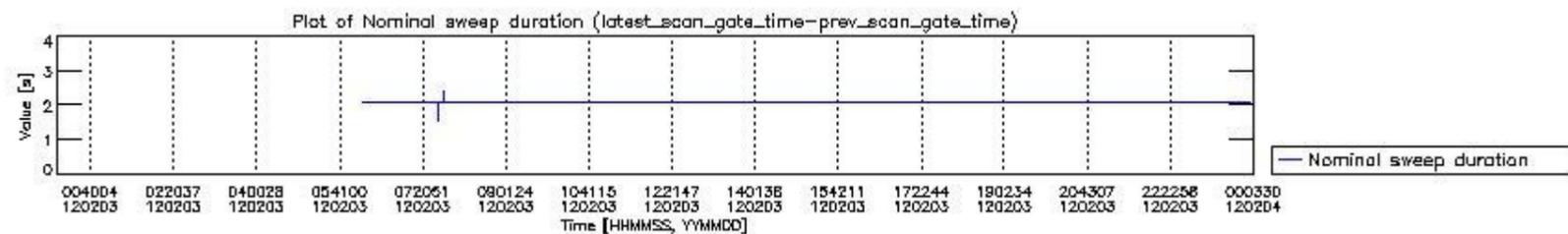
mipas_daily_report_level0_KSPT_L0_4504_N_20120203_1.PNG



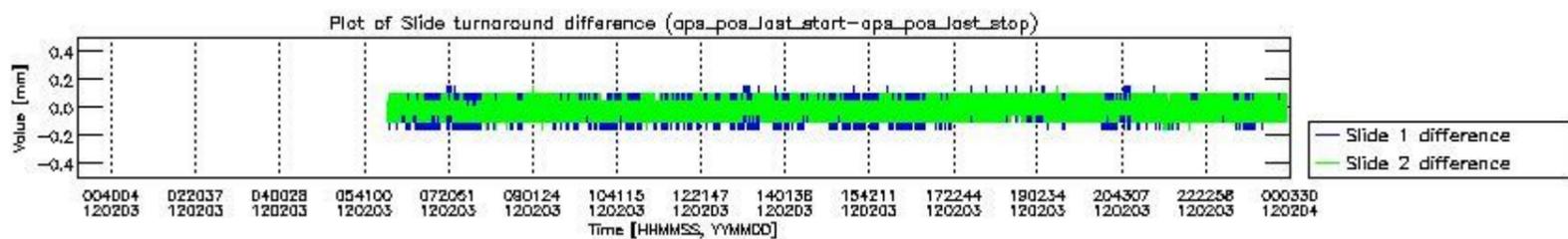
mipas_daily_report_level0_KSPT_L0_4504_N_20120203_2.PNG



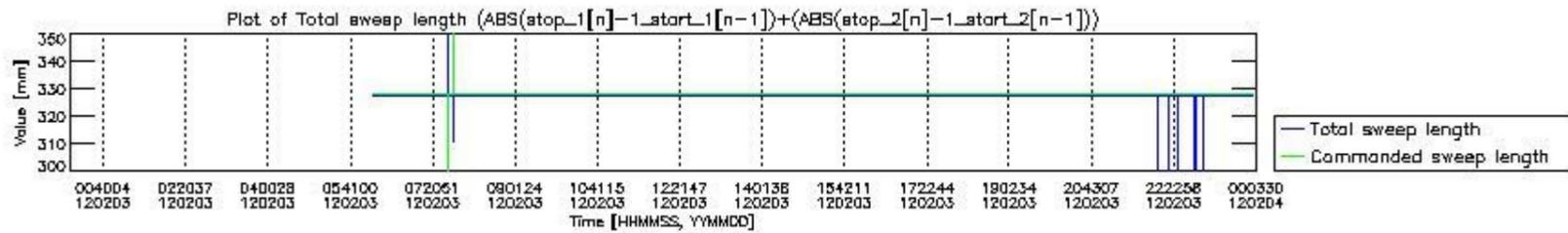
mipas_daily_report_level0_KSPT_L0_4504_N_20120203_3.PNG



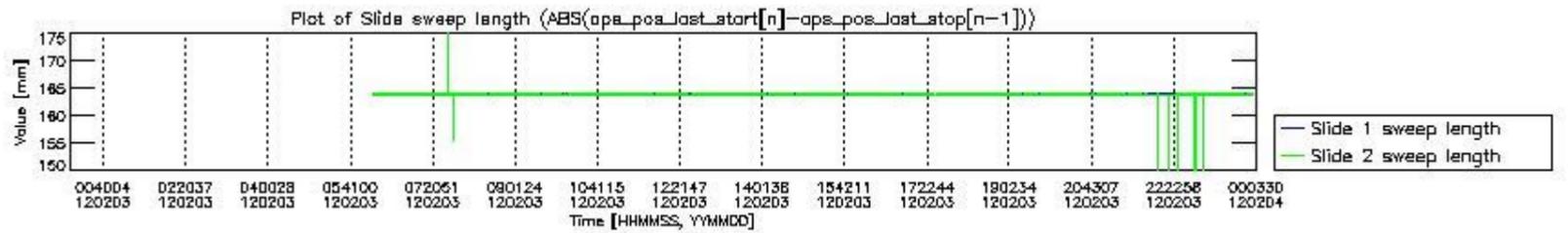
mipas_daily_report_level0_KSPT_L0_4504_N_20120203_4.PNG



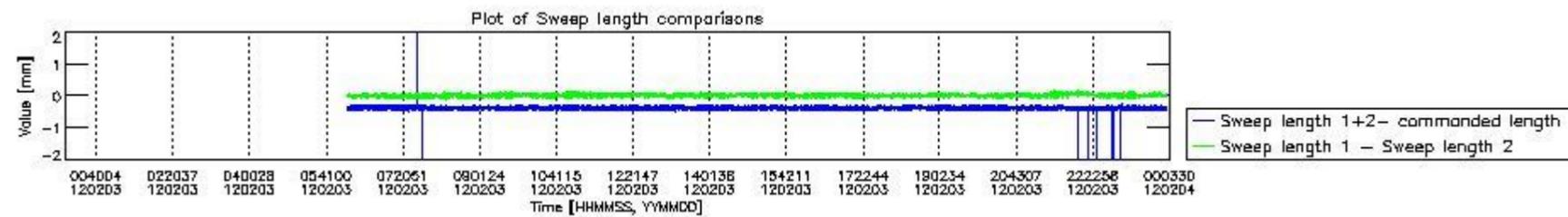
mipas_daily_report_level0_KSPT_L0_4504_N_20120203_5.PNG



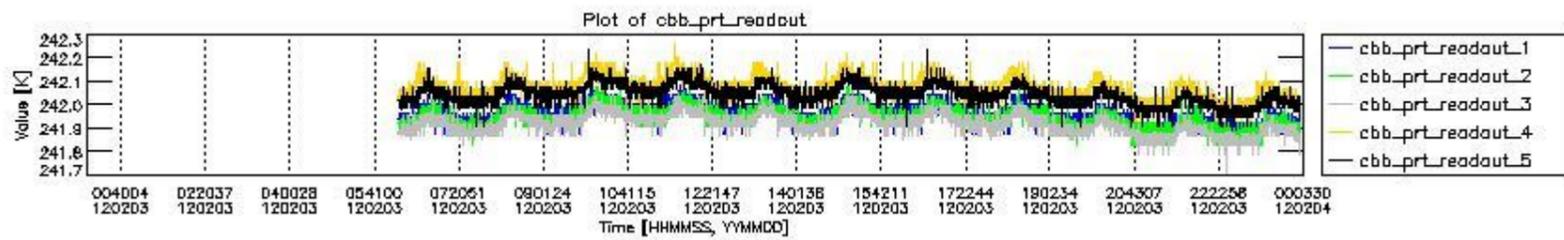
mipas_daily_report_level0_KSPT_L0_4504_N_20120203_6.PNG



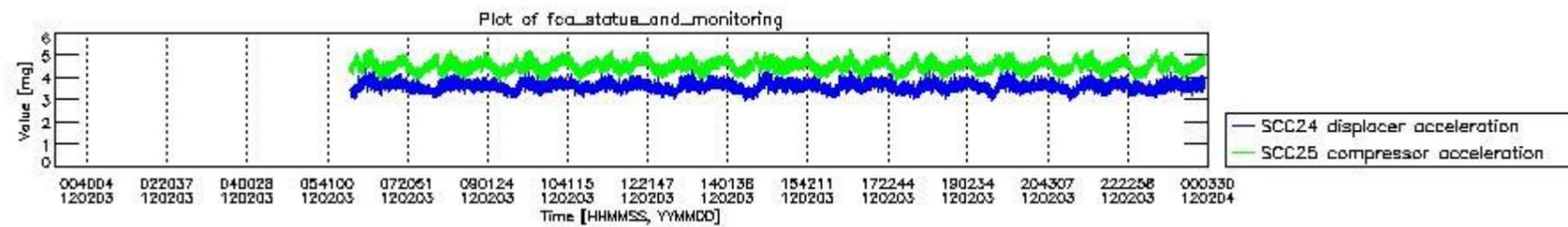
mipas_daily_report_level0_KSPT_L0_4504_N_20120203_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120203_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120203_9.PNG

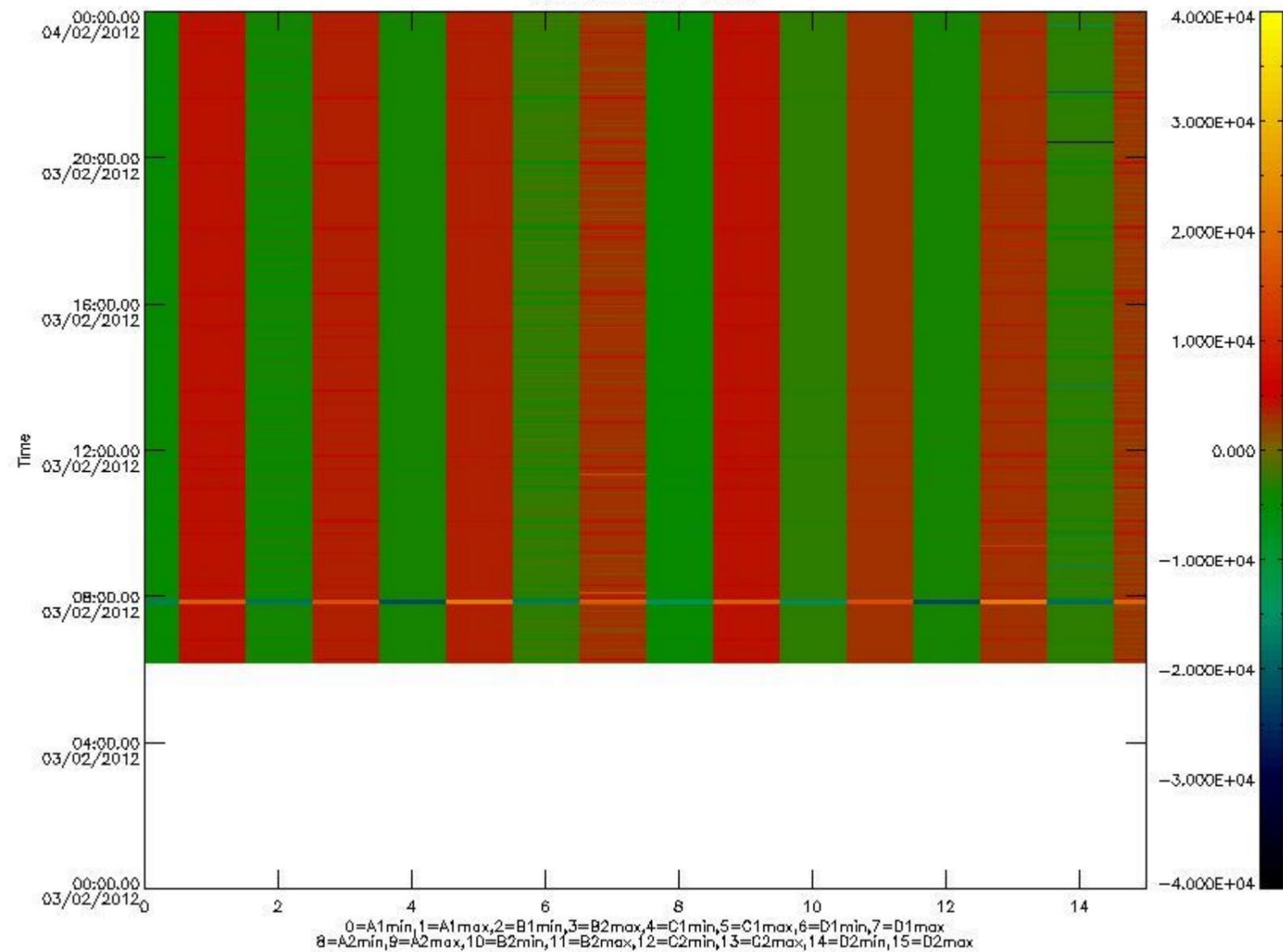


mipas_daily_report_level0_KSPT_L0_4504_N_20120203_10.PNG

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

Channel	Min	Max	ADC
A1	-17229	18136	16bit
B1	-18898	16433	16bit
C1	-24884	22098	16bit
D1	-18304	32767	16bit
A2	-15042	18363	16bit
B2	-16613	16415	16bit
C2	-23240	25327	16bit
D2	-32768	20205	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120203_11.PNG

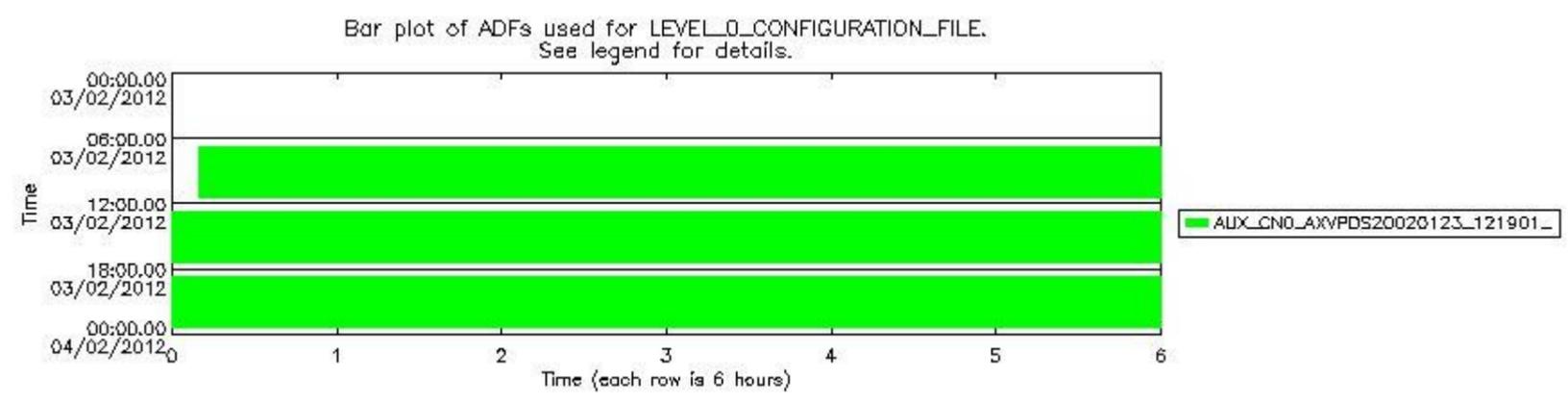
0.3 ADF monitoring

The use of ADFs is shown in two ways:

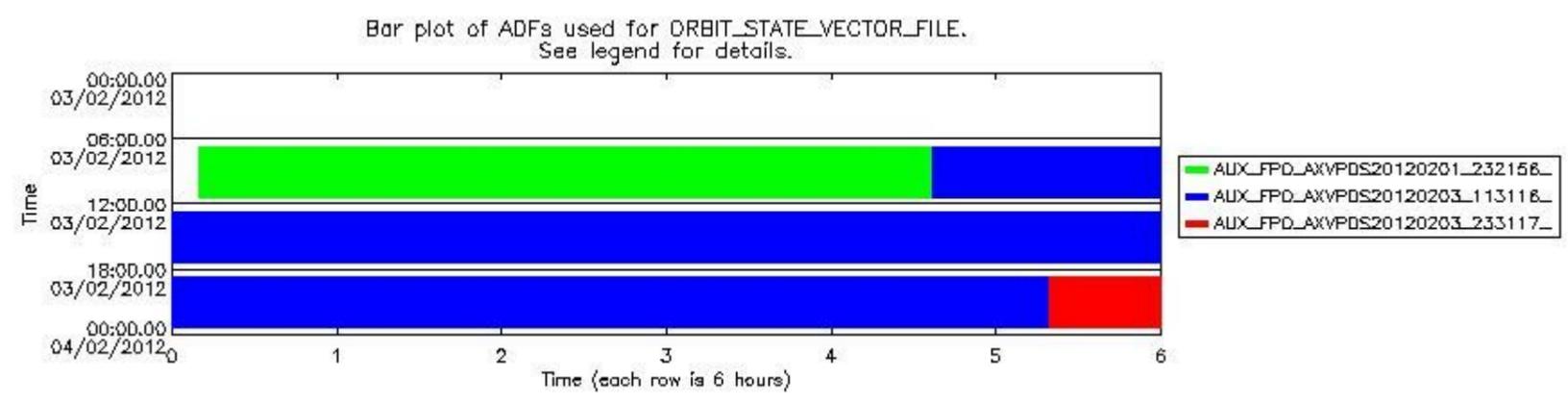
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120201_232156_20120131_184042_20120210_205421
2	AUX_FPO_AXVPDS20120203_113116_20120202_190726_20120212_212105
3	AUX_FPO_AXVPDS20120203_233117_20120203_183041_20120213_204420

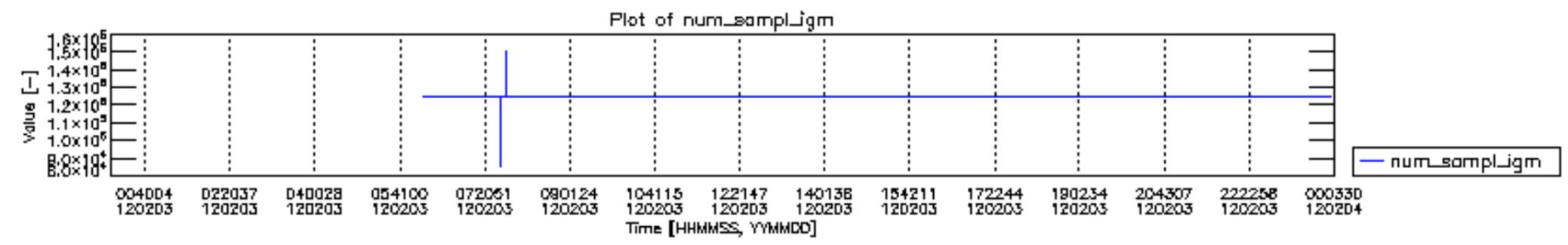
Number	Product name	#CNO	#FPO
0	MIP_NL_0PNPDK20120203_060939_000040673111_00192_51930_8433.N1	0	1
1	MIP_NL_0PNPDK20120203_071626_000061623111_00193_51931_8434.N1	0	1
2	MIP_NL_0PNPDK20120203_085749_000060353111_00194_51932_8435.N1	0	1
3	MIP_NL_0PNPDK20120203_103642_000060583111_00195_51933_8436.N1	0	2
4	MIP_NL_0PNPDK20120203_121557_000058783111_00196_51934_8437.N1	0	2
5	MIP_NL_0PNPDK20120203_135255_000060793111_00197_51935_8438.N1	0	2
6	MIP_NL_0PNPDK20120203_153314_000058783111_00198_51936_8439.N1	0	2
7	MIP_NL_0PNPDK20120203_171026_000058053111_00199_51937_8440.N1	0	2
8	MIP_NL_0PNPDK20120203_184607_000060663111_00200_51938_8441.N1	0	2
9	MIP_NL_0PNPDE20120203_202510_000044243111_00201_51939_5566.N1	0	2
10	MIP_NL_0PNPDE20120203_213754_000010363111_00201_51939_0925.N1	0	2
11	MIP_NL_0PNPDE20120203_213932_000000483111_00201_51939_5568.N1	0	2
12	MIP_NL_0PNPDE20120203_214020_000001733111_00201_51939_5569.N1	0	2
13	MIP_NL_0PNPDE20120203_214313_000003283111_00201_51939_5572.N1	0	2
14	MIP_NL_0PNPDE20120203_214841_000003113111_00201_51939_5574.N1	0	2
15	MIP_NL_0PNPDE20120203_215353_000000153111_00202_51940_5578.N1	0	2
16	MIP_NL_0PNPDE20120203_215407_000001713111_00202_51940_5580.N1	0	2
17	MIP_NL_0PNPDE20120203_215659_000001173111_00202_51940_5585.N1	0	2
18	MIP_NL_0PNPDE20120203_215856_000001213111_00202_51940_5586.N1	0	2
19	MIP_NL_0PNPDE20120203_220057_000002013111_00202_51940_5587.N1	0	2
20	MIP_NL_0PNPDE20120203_220419_000000213111_00202_51940_5590.N1	0	2
21	MIP_NL_0PNPDE20120203_220440_000004033111_00202_51940_5591.N1	0	2
22	MIP_NL_0PNPDE20120203_221124_000002033111_00202_51940_5592.N1	0	2
23	MIP_NL_0PNPDE20120203_221446_000000383111_00202_51940_5593.N1	0	2
24	MIP_NL_0PNPDE20120203_221524_000000693111_00202_51940_5594.N1	0	2
25	MIP_NL_0PNPDE20120203_221633_000000233111_00202_51940_5595.N1	0	2
26	MIP_NL_0PNPDE20120203_221658_000001593111_00202_51940_5596.N1	0	2
27	MIP_NL_0PNPDE20120203_221937_000002743111_00202_51940_5597.N1	0	2
28	MIP_NL_0PNPDE20120203_222410_000000443111_00202_51940_5599.N1	0	2
29	MIP_NL_0PNPDE20120203_222454_000000673111_00202_51940_5600.N1	0	2
30	MIP_NL_0PNPDE20120203_222601_000000463111_00202_51940_5601.N1	0	2
31	MIP_NL_0PNPDE20120203_222647_000000193111_00202_51940_5603.N1	0	2
32	MIP_NL_0PNPDE20120203_222706_000000963111_00202_51940_5604.N1	0	2
33	MIP_NL_0PNPDE20120203_222844_000000173111_00202_51940_5606.N1	0	2
34	MIP_NL_0PNPDE20120203_222901_000000903111_00202_51940_5607.N1	0	2
35	MIP_NL_0PNPDE20120203_223030_000000383111_00202_51940_5608.N1	0	2
36	MIP_NL_0PNPDE20120203_223108_000000273111_00202_51940_5609.N1	0	2
37	MIP_NL_0PNPDE20120203_223135_000001503111_00202_51940_5610.N1	0	2
38	MIP_NL_0PNPDE20120203_223406_000000463111_00202_51940_5612.N1	0	2
39	MIP_NL_0PNPDE20120203_223451_000000423111_00202_51940_5613.N1	0	2
40	MIP_NL_0PNPDE20120203_223533_000000483111_00202_51940_5614.N1	0	2
41	MIP_NL_0PNPDE20120203_223621_000003383111_00202_51940_5617.N1	0	2
42	MIP_NL_0PNPDE20120203_224200_000001463111_00202_51940_5619.N1	0	2
43	MIP_NL_0PNPDE20120203_224426_000000543111_00202_51940_5621.N1	0	2
44	MIP_NL_0PNPDE20120203_224520_000001363111_00202_51940_5622.N1	0	2
45	MIP_NL_0PNPDE20120203_224736_000001503111_00202_51940_5624.N1	0	2
46	MIP_NL_0PNPDE20120203_225009_000000753111_00202_51940_5625.N1	0	2
47	MIP_NL_0PNPDE20120203_225124_000000173111_00202_51940_5626.N1	0	2
48	MIP_NL_0PNPDE20120203_225243_000003203111_00202_51940_0950.N1	0	2
49	MIP_NL_0PNPDE20120203_225805_000005683111_00202_51940_0953.N1	0	2
50	MIP_NL_0PNPDE20120203_230733_000007653111_00202_51940_0955.N1	0	2
51	MIP_NL_0PNPDE20120203_231911_000060813111_00202_51940_0957.N1	0	3

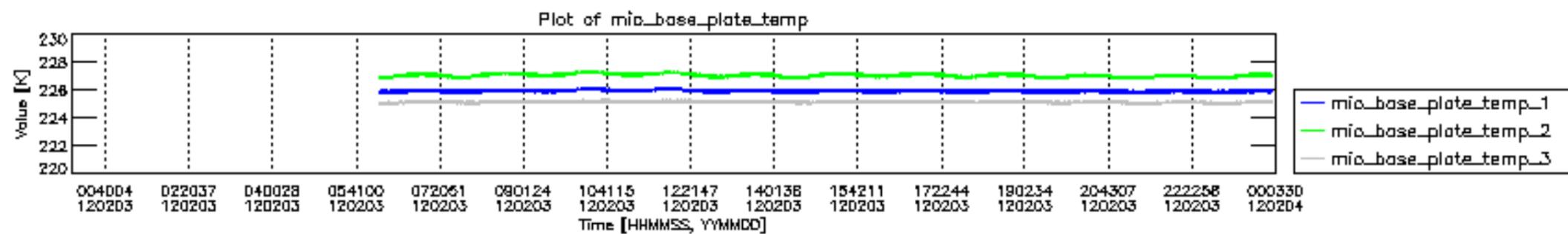


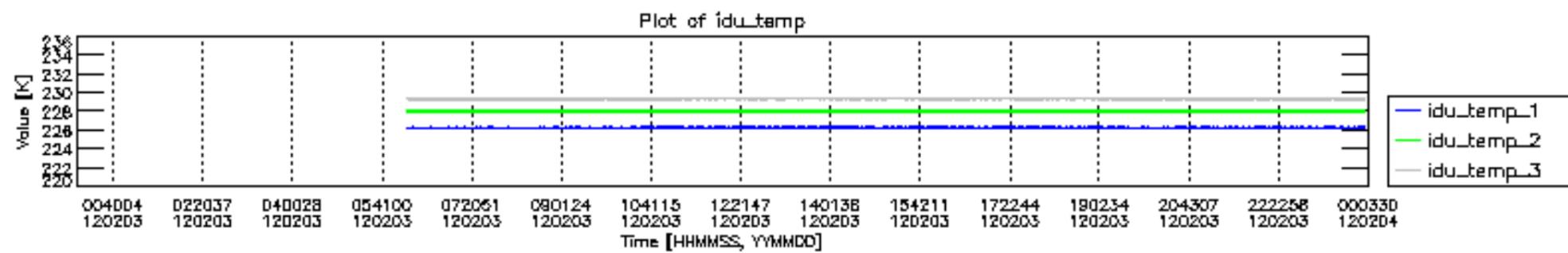
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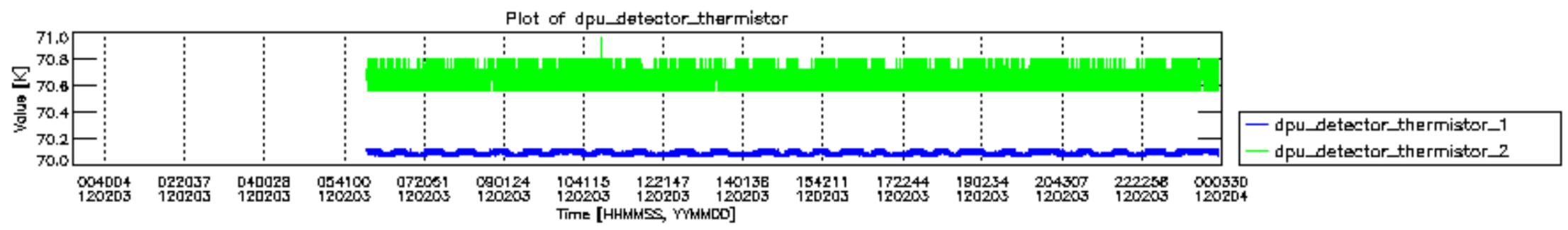


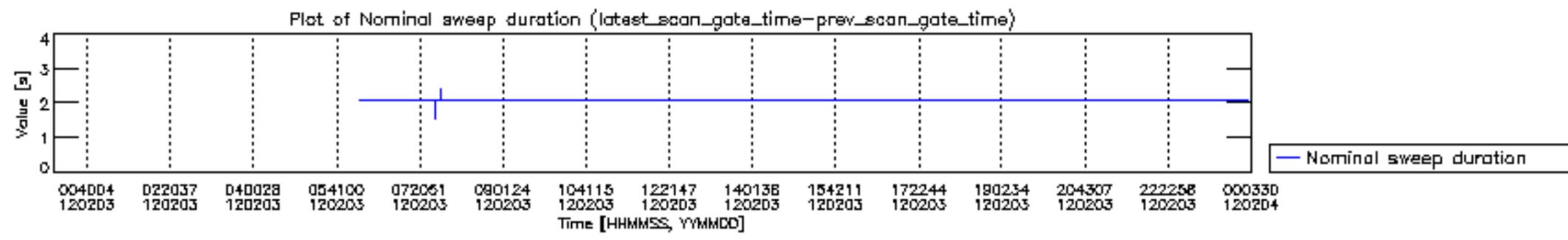
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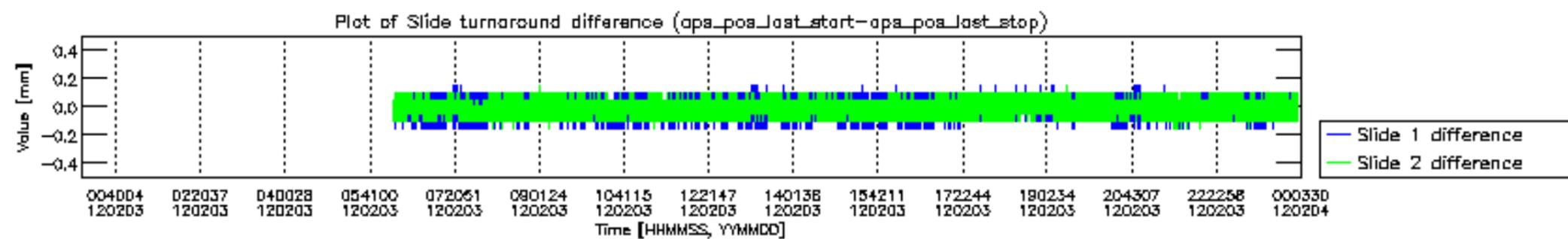


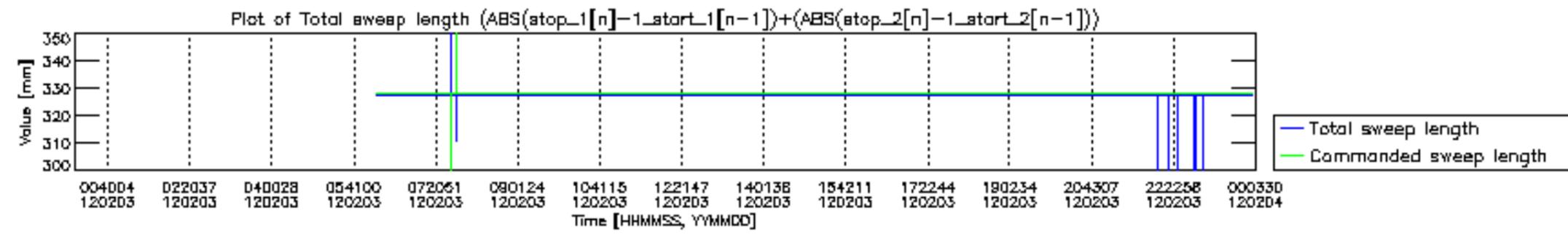


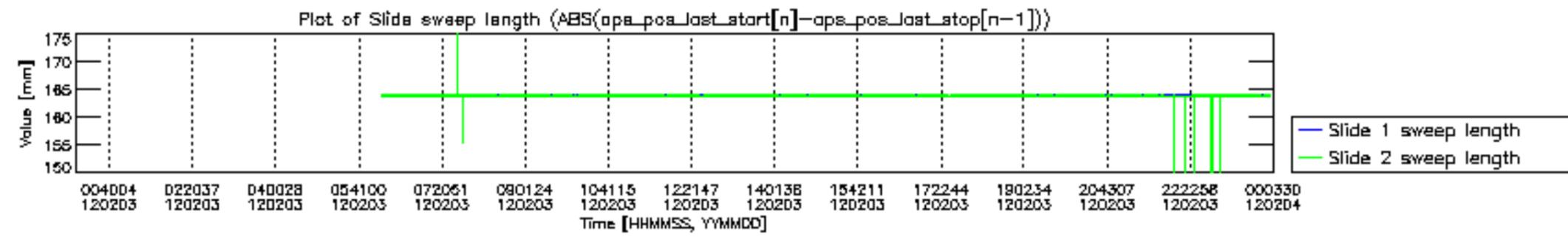


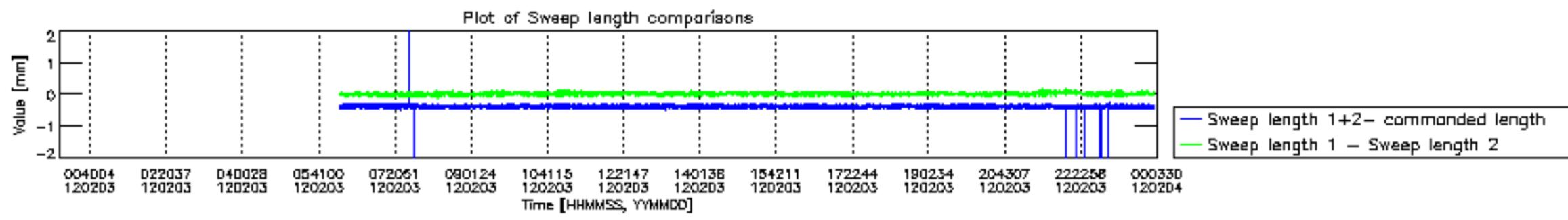


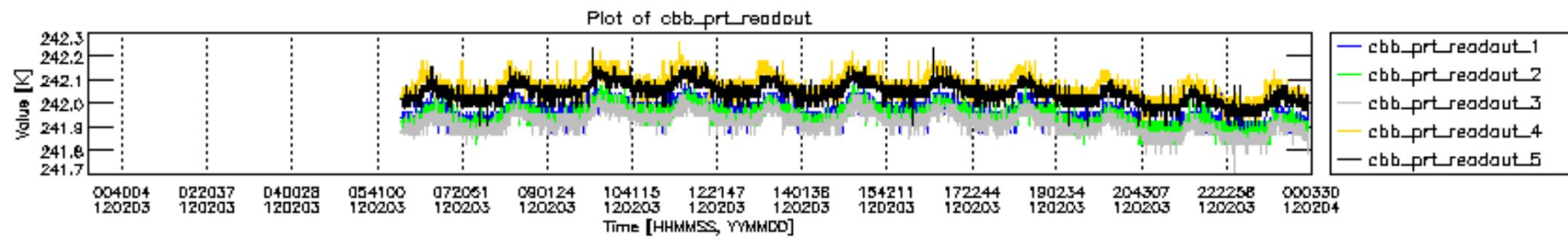


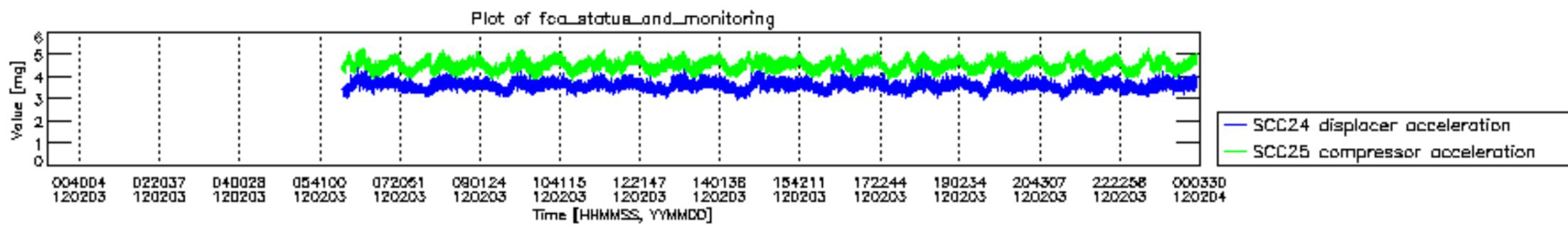




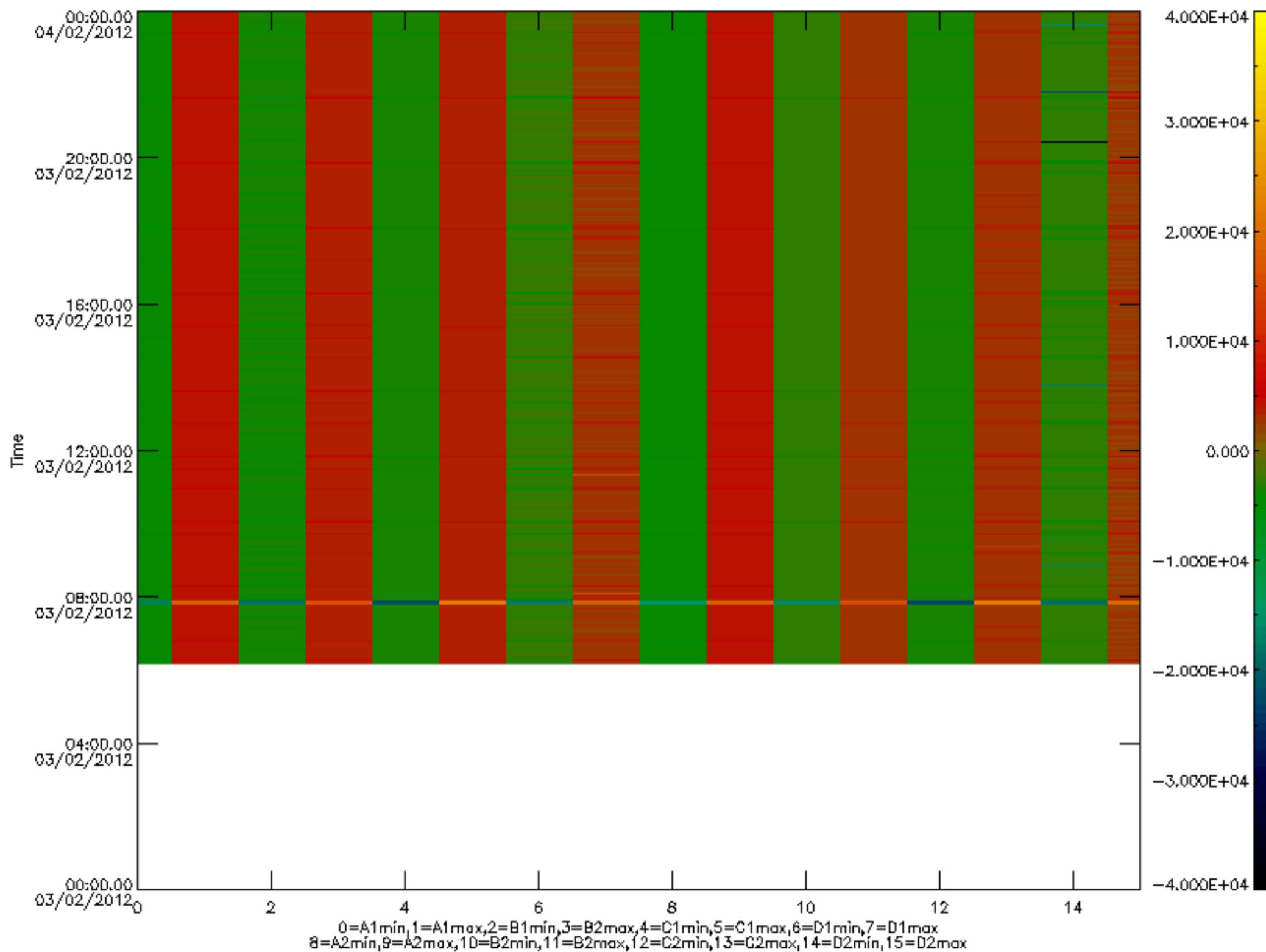


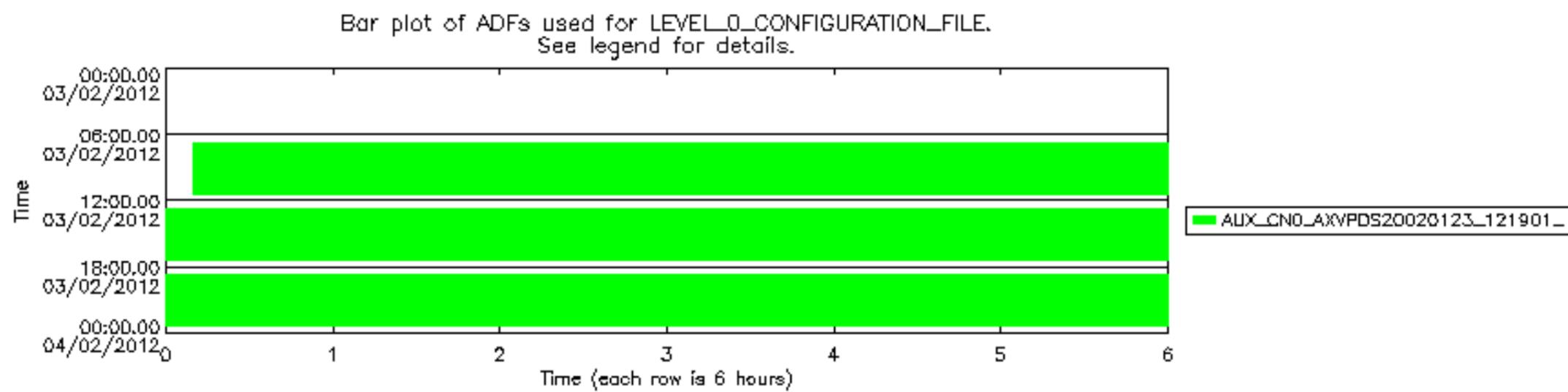






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

