

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	23MAR2011 05:23:45
Data source version	KSPT_L0/4504-N
Processing scope for products	18MAR2011 00:00:00 to 19MAR2011 00:00:00
Start time of first product within scope	18MAR2011 01:34:17
Stop time of last product within scope	19MAR2011 01:03:27
Total number of level 0 products	21
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.

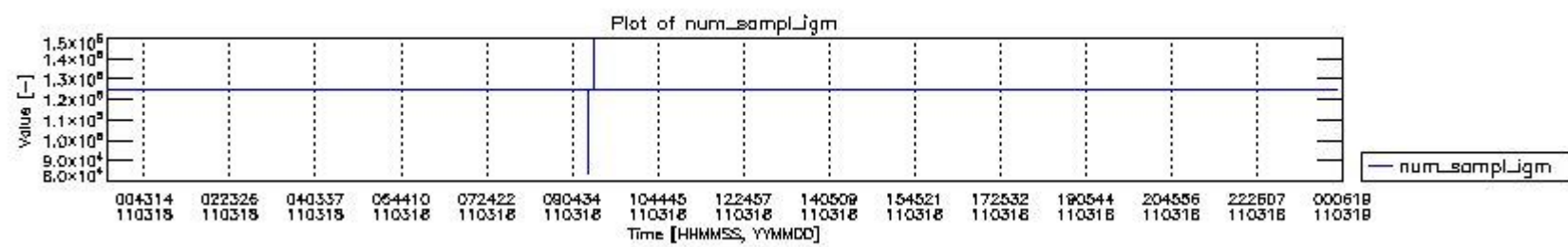
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110318_013417_000004033100_00304_47301_3130.N1	18MAR2011 01:34:17	18MAR2011 01:41:00	0	0	0	0	0
1	MIP_NL__0PNPDK20110318_013700_000045023100_00304_47301_4101.N1	18MAR2011 01:37:00	18MAR2011 02:52:02	0	0	0	0	0
2	MIP_NL__0PNPDE20110318_024751_000003033100_00305_47302_3131.N1	18MAR2011 02:47:51	18MAR2011 02:52:54	0	0	0	0	0
3	MIP_NL__0PNPDK20110318_025129_000060853100_00305_47302_4102.N1	18MAR2011 02:51:29	18MAR2011 04:32:54	0	0	0	0	0
4	MIP_NL__0PNPDE20110318_042806_000004223100_00306_47303_3132.N1	18MAR2011 04:28:06	18MAR2011 04:35:08	0	0	0	0	0
5	MIP_NL__0PNPDK20110318_043223_000061003100_00306_47303_4103.N1	18MAR2011 04:32:23	18MAR2011 06:14:03	0	0	0	0	0
6	MIP_NL__0PNPDE20110318_060820_000004183100_00307_47304_3133.N1	18MAR2011 06:08:20	18MAR2011 06:15:18	0	0	0	0	0
7	MIP_NL__0PNPDK20110318_061329_000040993100_00307_47304_4592.N1	18MAR2011 06:13:29	18MAR2011 07:21:48	0	0	0	0	0
8	MIP_NL__0PNPDK20110318_072115_000060903100_00308_47305_4593.N1	18MAR2011 07:21:15	18MAR2011 09:02:44	0	0	0	0	0
9	MIP_NL__0PNPDK20110318_090200_000059393100_00309_47306_4594.N1	18MAR2011 09:02:00	18MAR2011 10:40:59	0	0	0	0	0
10	MIP_NL__0PNPDK20110318_104015_000060583100_00310_47307_4595.N1	18MAR2011 10:40:15	18MAR2011 12:21:13	0	0	0	0	0
11	MIP_NL__0PNPDK20110318_122040_000058743100_00311_47308_4596.N1	18MAR2011 12:20:40	18MAR2011 13:58:34	0	0	0	0	0
12	MIP_NL__0PNPDK20110318_135738_000059523100_00312_47309_4597.N1	18MAR2011 13:57:38	18MAR2011 15:36:50	0	0	0	0	0
13	MIP_NL__0PNPDK20110318_153551_000059063100_00313_47310_4598.N1	18MAR2011 15:35:51	18MAR2011 17:14:17	0	0	0	0	0
14	MIP_NL__0PNPDK20110318_171257_000059503100_00314_47311_4599.N1	18MAR2011 17:12:57	18MAR2011 18:52:07	0	0	0	0	0
15	MIP_NL__0PNPDK20110318_185104_000059433100_00315_47312_4600.N1	18MAR2011 18:51:04	18MAR2011 20:30:08	0	0	0	0	0
16	MIP_NL__0PNPDE20110318_202909_000044003100_00316_47313_6745.N1	18MAR2011 20:29:09	18MAR2011 21:42:29	0	0	0	0	0
17	MIP_NL__0PNPDE20110318_213906_000003223100_00316_47313_3134.N1	18MAR2011 21:39:06	18MAR2011 21:44:28	0	0	0	0	0
18	MIP_NL__0PNPDE20110318_214128_000061383100_00316_47313_6746.N1	18MAR2011 21:41:28	18MAR2011 23:23:46	0	0	0	0	0
19	MIP_NL__0PNPDE20110318_231918_000004223100_00317_47314_3135.N1	18MAR2011 23:19:18	18MAR2011 23:26:20	0	0	0	0	0
20	MIP_NL__0PNPDE20110318_232245_000060413100_00317_47314_6747.N1	18MAR2011 23:22:45	19MAR2011 01:03:27	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

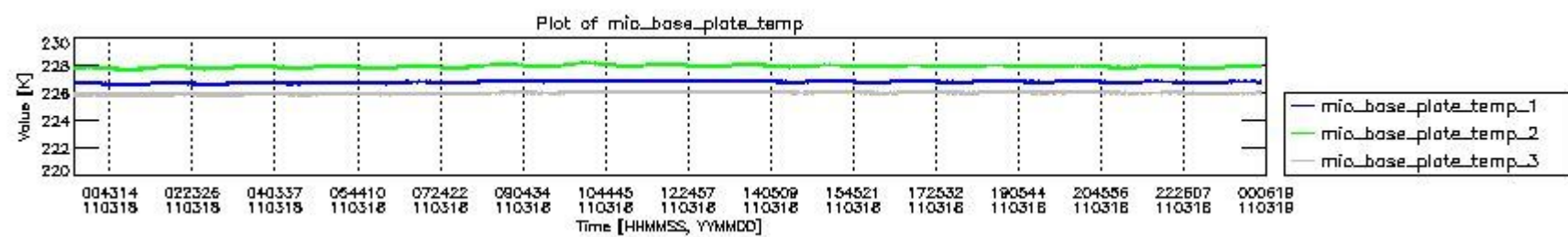
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

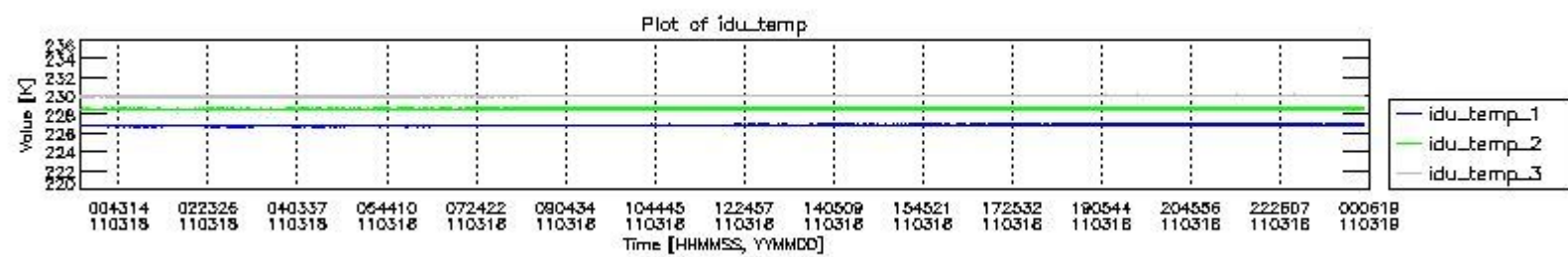
Number of igm samples	Count [#]	Count [%]
83784	1	0.0023890867
94226	1	0.0023890867
114358	1	0.0023890867
124800	38881	92.890078
124803	2970	7.0955874
126936	1	0.0023890867
147068	1	0.0023890867
149204	1	0.0023890867



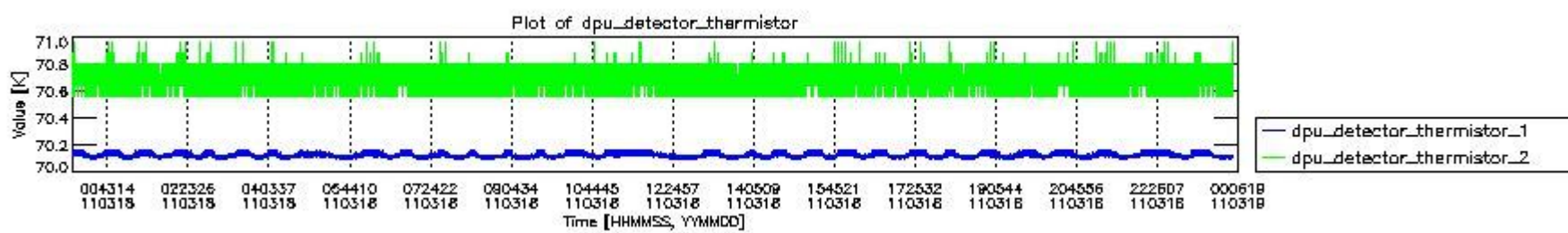
mipas_daily_report_level0_KSPT_L0_4504_N_20110318_0.PNG



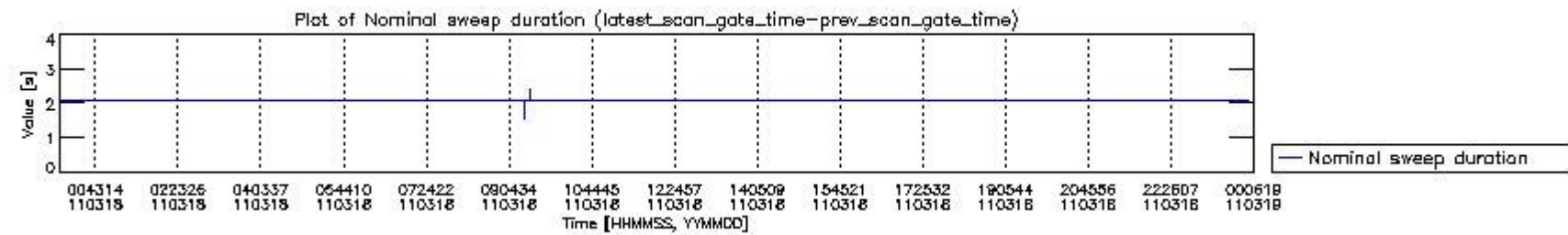
mipas_daily_report_level0_KSPT_L0_4504_N_20110318_1.PNG



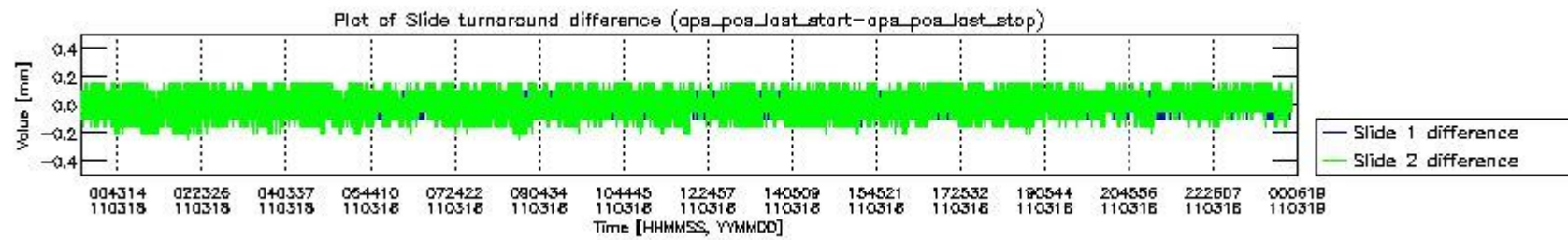
mipas_daily_report_level0_KSPT_L0_4504_N_20110318_2.PNG



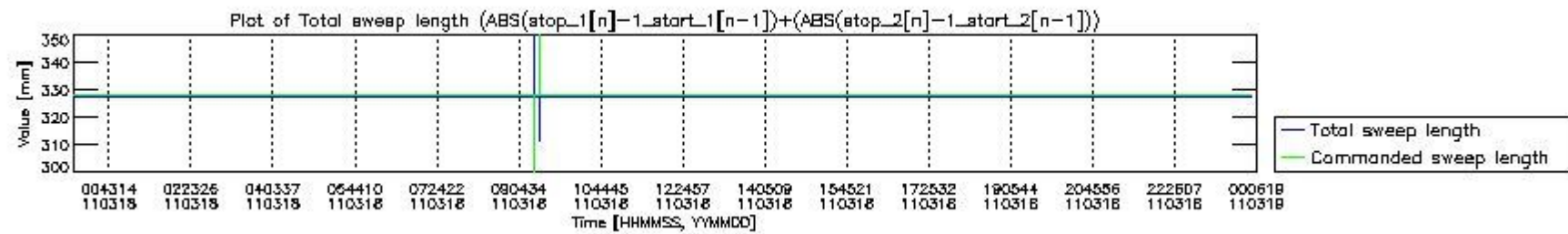
mipas_daily_report_level0_KSPT_L0_4504_N_20110318_3.PNG



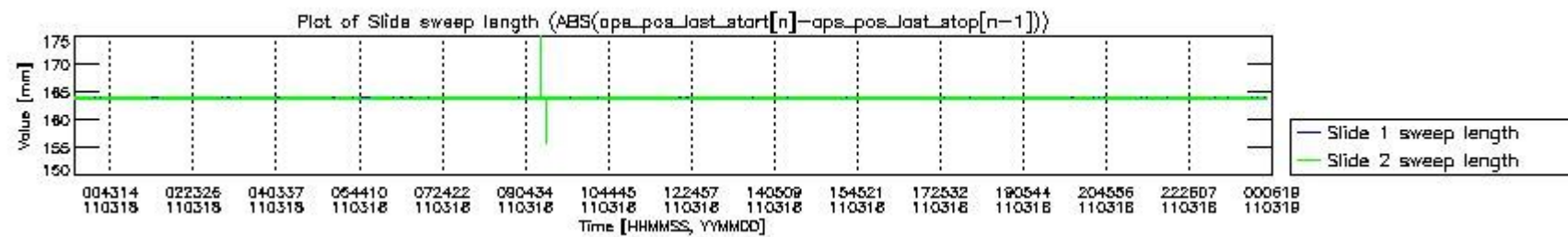
mipas_daily_report_level0_KSPT_L0_4504_N_20110318_4.PNG



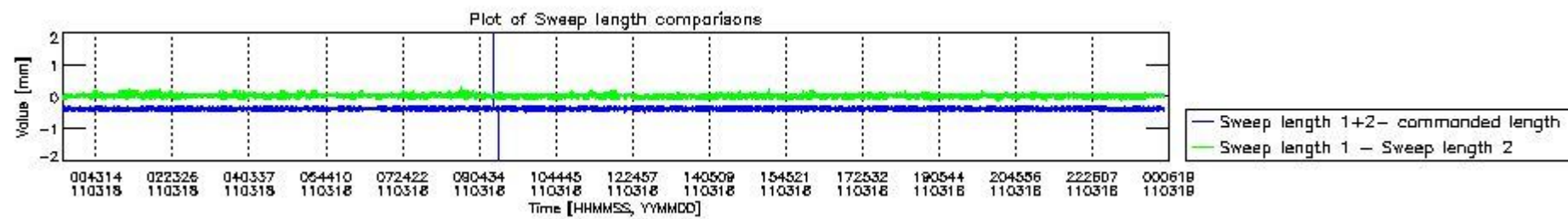
mipas_daily_report_level0_KSPT_L0_4504_N_20110318_5.PNG



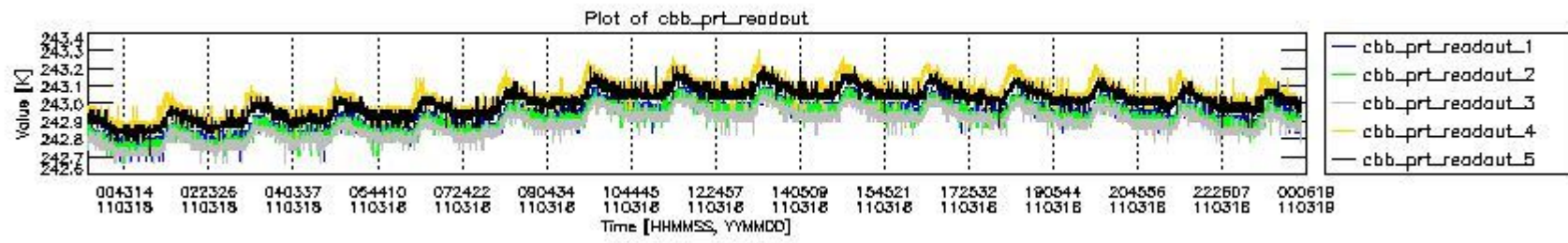
mipas_daily_report_level0_KSPT_L0_4504_N_20110318_6.PNG



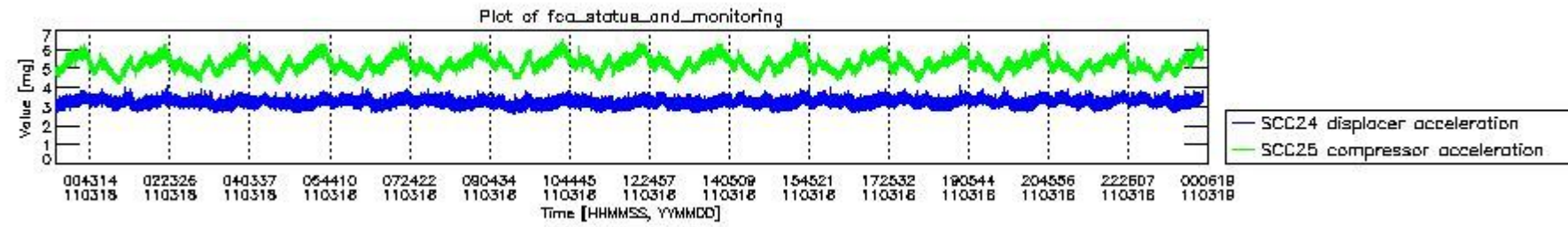
mipas_daily_report_level0_KSPT_L0_4504_N_20110318_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110318_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110318_9.PNG

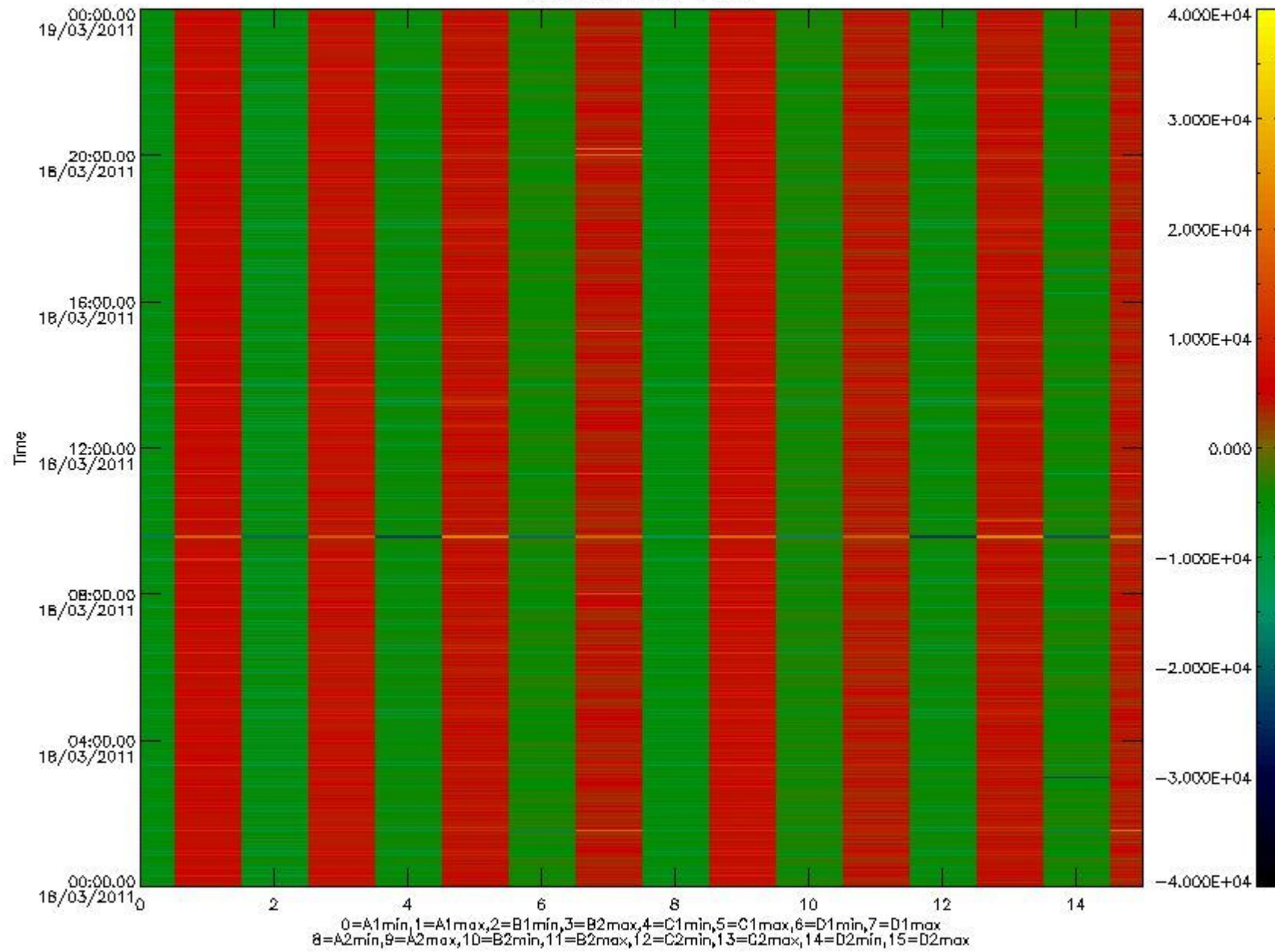


mipas_daily_report_level0_KSPT_L0_4504_N_20110318_10.PNG

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

Channel	Min	Max	ADC
A1	-17689	18733	16bit
B1	-19495	16904	16bit
C1	-24946	23058	16bit
D1	-32768	32767	16bit
A2	-15346	18890	16bit
B2	-17653	17334	16bit
C2	-24206	23726	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110318_11.PNG

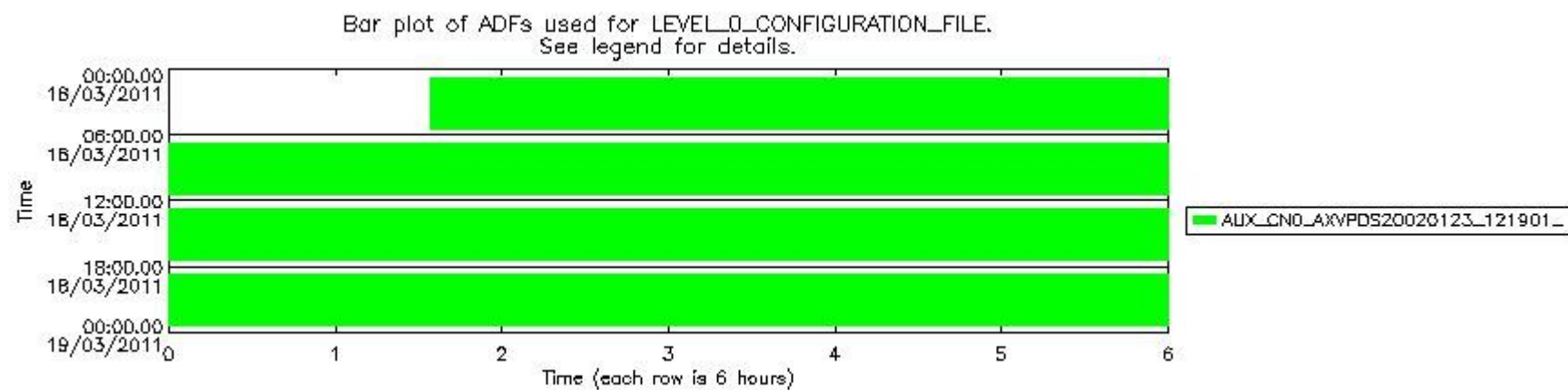
0.3 ADF monitoring

The use of ADFs is shown in two ways:

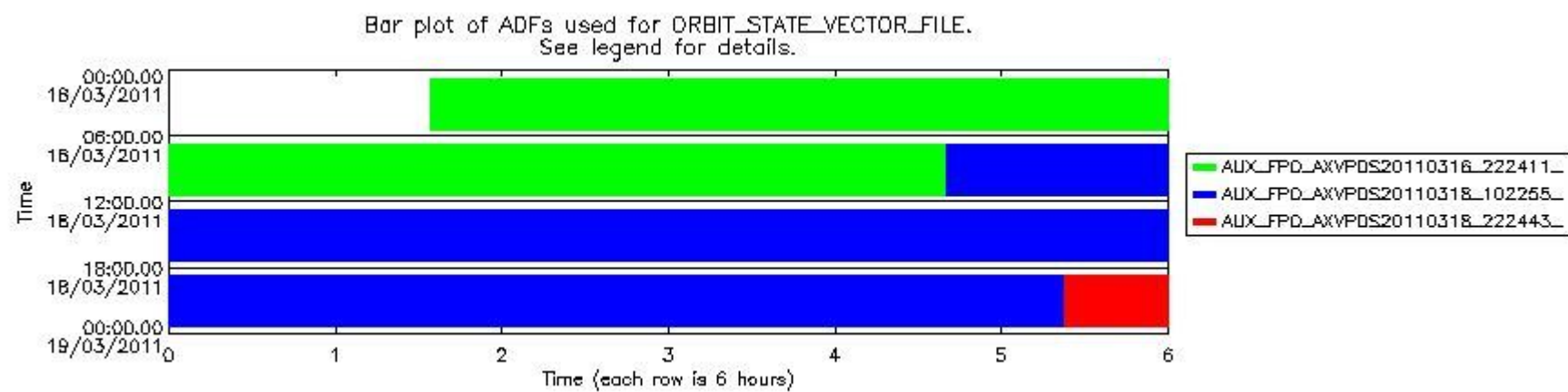
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110316_222411_20110316_094553_20110326_115943
2	AUX_FPO_AXVPDS20110318_102255_20110317_191033_20110327_212423
3	AUX_FPO_AXVPDS20110318_222443_20110318_183349_20110328_204739

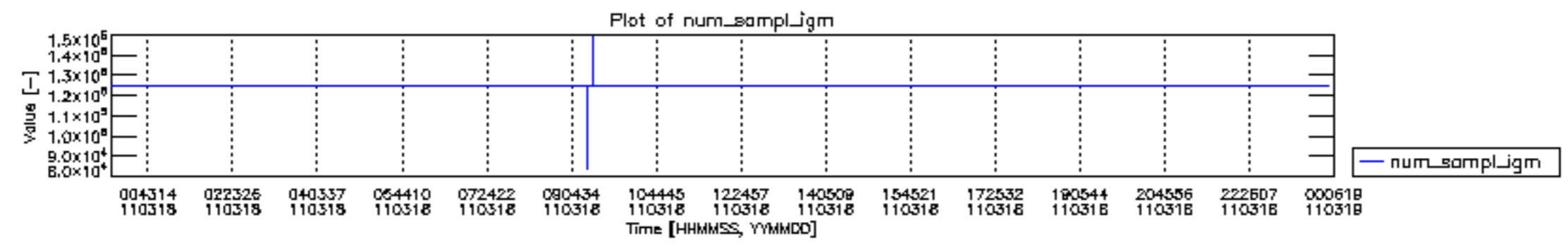
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110318_013417_000004033100_00304_47301_3130.N1	0	1
1	MIP_NL__0PNPDK20110318_013700_000045023100_00304_47301_4101.N1	0	1
2	MIP_NL__0PNPDE20110318_024751_000003033100_00305_47302_3131.N1	0	1
3	MIP_NL__0PNPDK20110318_025129_000060853100_00305_47302_4102.N1	0	1
4	MIP_NL__0PNPDE20110318_042806_000004223100_00306_47303_3132.N1	0	1
5	MIP_NL__0PNPDK20110318_043223_000061003100_00306_47303_4103.N1	0	1
6	MIP_NL__0PNPDE20110318_060820_000004183100_00307_47304_3133.N1	0	1
7	MIP_NL__0PNPDK20110318_061329_000040993100_00307_47304_4592.N1	0	1
8	MIP_NL__0PNPDK20110318_072115_000060903100_00308_47305_4593.N1	0	1
9	MIP_NL__0PNPDK20110318_090200_000059393100_00309_47306_4594.N1	0	1
10	MIP_NL__0PNPDK20110318_104015_000060583100_00310_47307_4595.N1	0	2
11	MIP_NL__0PNPDK20110318_122040_000058743100_00311_47308_4596.N1	0	2
12	MIP_NL__0PNPDK20110318_135738_000059523100_00312_47309_4597.N1	0	2
13	MIP_NL__0PNPDK20110318_153551_000059063100_00313_47310_4598.N1	0	2
14	MIP_NL__0PNPDK20110318_171257_000059503100_00314_47311_4599.N1	0	2
15	MIP_NL__0PNPDK20110318_185104_000059433100_00315_47312_4600.N1	0	2
16	MIP_NL__0PNPDE20110318_202909_000044003100_00316_47313_6745.N1	0	2
17	MIP_NL__0PNPDE20110318_213906_000003223100_00316_47313_3134.N1	0	2
18	MIP_NL__0PNPDE20110318_214128_000061383100_00316_47313_6746.N1	0	2
19	MIP_NL__0PNPDE20110318_231918_000004223100_00317_47314_3135.N1	0	2
20	MIP_NL__0PNPDE20110318_232245_000060413100_00317_47314_6747.N1	0	3

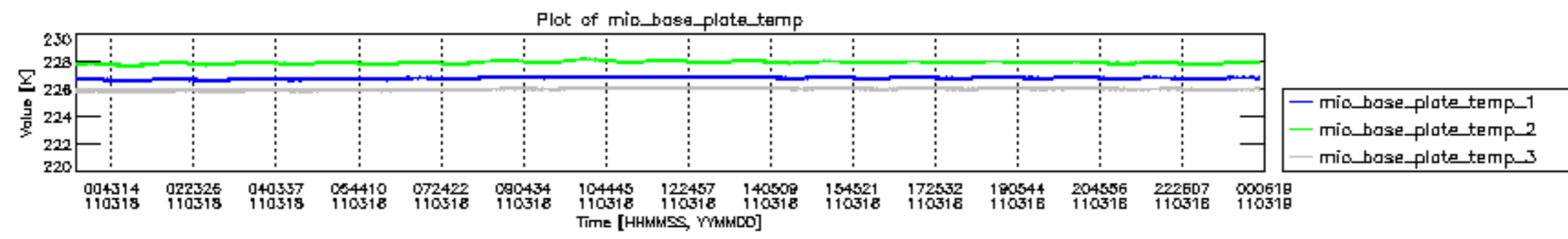


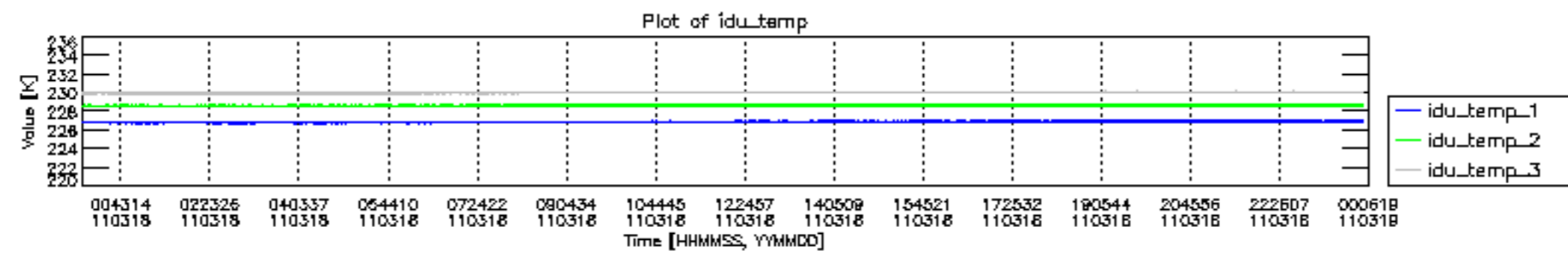
mipas_daily_report_level0_KSPT_L0_4504_N_20110318_12.PNG

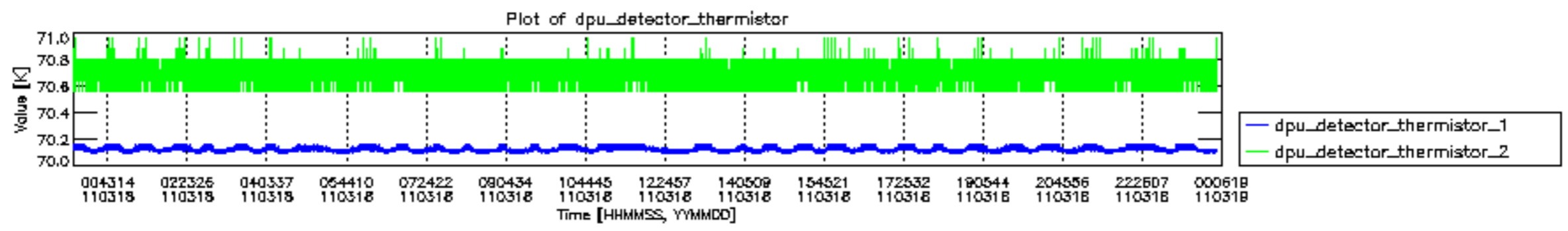


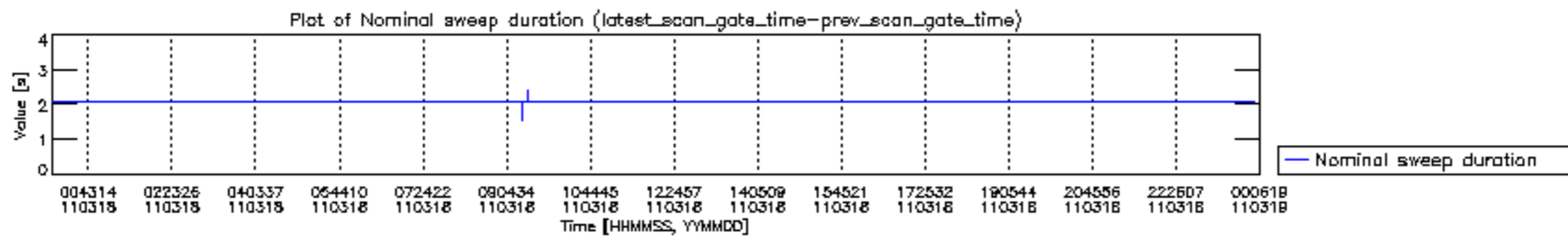
mipas_daily_report_level0_KSPT_L0_4504_N_20110318_13.PNG

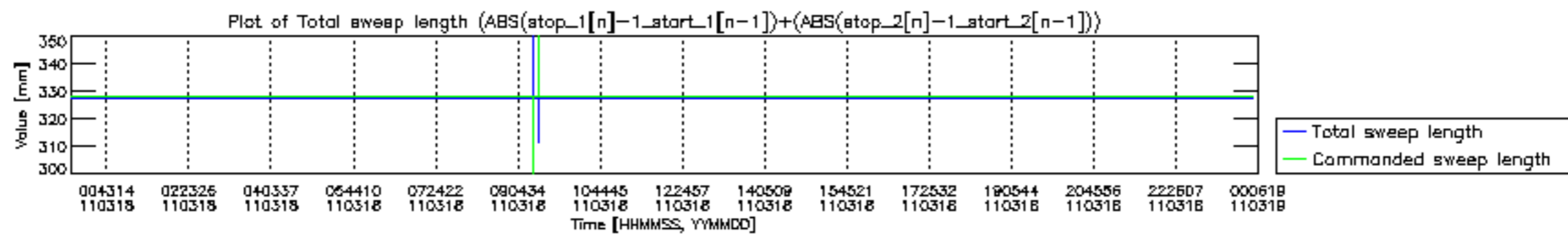


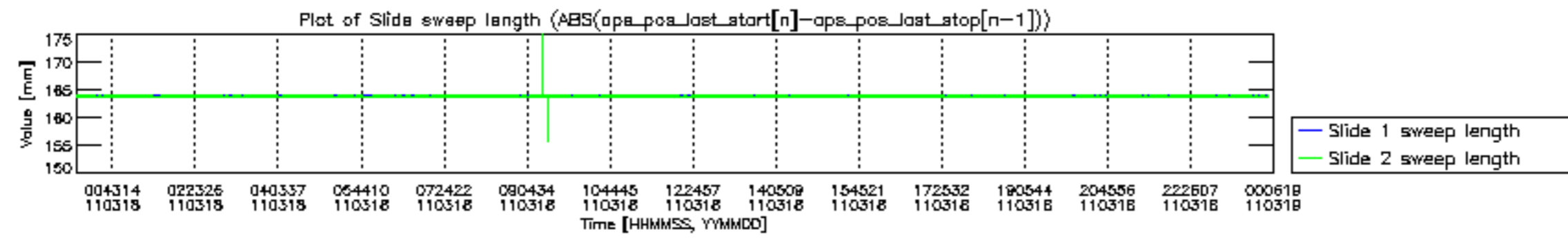


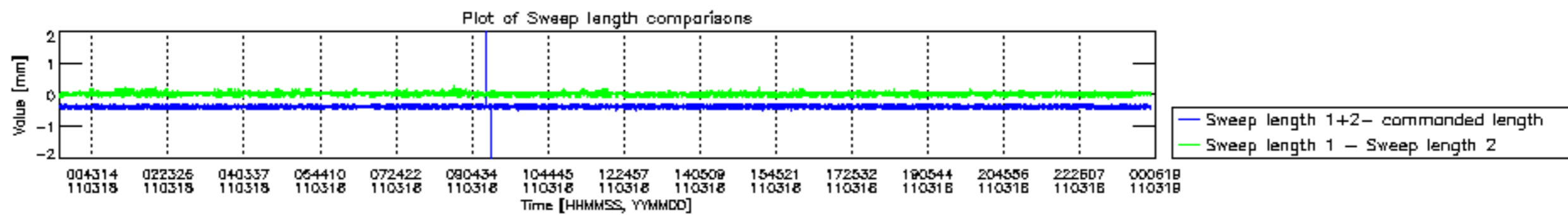


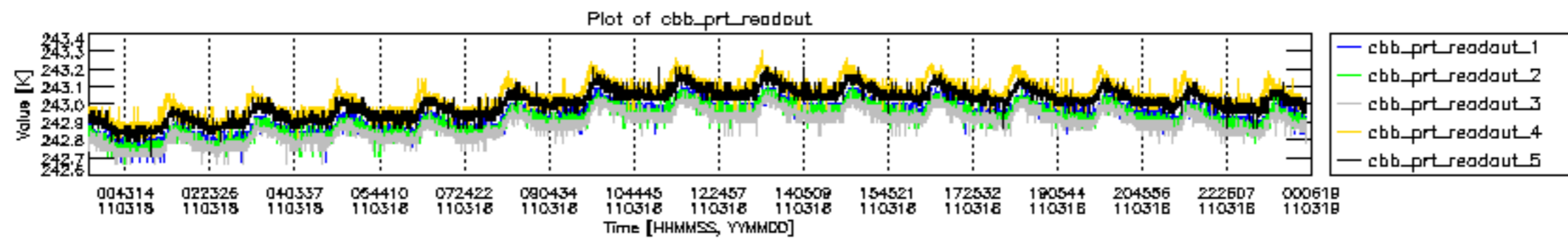


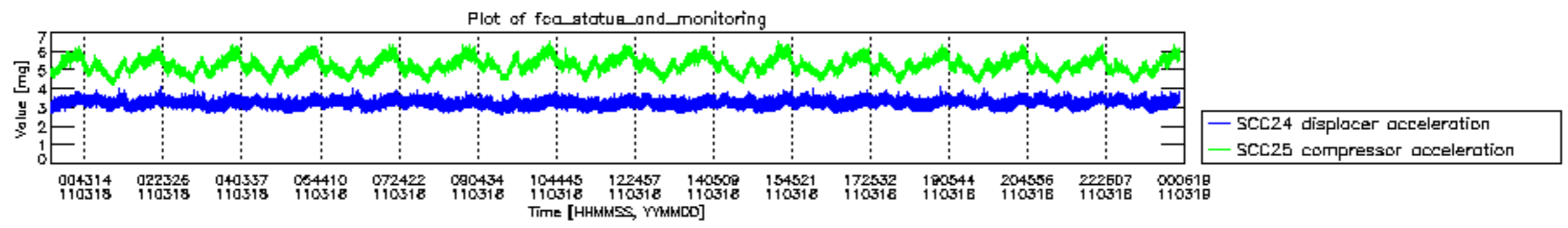












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

