

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	02FEB2011 05:24:01
Data source version	KSPT_L0/4504-N
Processing scope for products	28JAN2011 00:00:00 to 29JAN2011 00:00:00
Start time of first product within scope	28JAN2011 01:33:02
Stop time of last product within scope	29JAN2011 01:00:46
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__OPNPDE20110128_013302_000044483099_00031_46597_2805.N1	28JAN2011 01:33:02	28JAN2011 02:47:10	0	0	0	0	0
1	MIP_NL__OPNPDE20110128_024636_000061883099_00032_46598_2806.N1	28JAN2011 02:46:36	28JAN2011 04:29:44	0	0	0	0	0
2	MIP_NL__OPNPDE20110128_042911_000059873099_00033_46599_2807.N1	28JAN2011 04:29:11	28JAN2011 06:08:58	0	0	0	0	0
3	MIP_NL__OPNPDK20110128_060827_000040903099_00034_46600_4138.N1	28JAN2011 06:08:27	28JAN2011 07:16:37	0	0	0	0	0
4	MIP_NL__OPNPDK20110128_071541_000061633099_00035_46601_4139.N1	28JAN2011 07:15:41	28JAN2011 08:58:24	0	0	0	0	0
5	MIP_NL__OPNPDK20110128_085727_000059763099_00036_46602_4140.N1	28JAN2011 08:57:27	28JAN2011 10:37:03	0	0	0	0	0
6	MIP_NL__OPNPDK20110128_103525_000059163099_00037_46603_4141.N1	28JAN2011 10:35:25	28JAN2011 12:14:01	0	0	0	0	0
7	MIP_NL__OPNPDK20110128_121305_000061193099_00038_46604_4142.N1	28JAN2011 12:13:05	28JAN2011 13:55:04	0	0	0	0	0
8	MIP_NL__OPNPDK20110128_135405_000058643099_00039_46605_4143.N1	28JAN2011 13:54:05	28JAN2011 15:31:49	0	0	0	0	0
9	MIP_NL__OPNPDK20110128_153059_000060023099_00040_46606_4144.N1	28JAN2011 15:30:59	28JAN2011 17:11:01	0	0	0	0	0
10	MIP_NL__OPNPDK20110128_171027_000057953099_00041_46607_4145.N1	28JAN2011 17:10:27	28JAN2011 18:47:02	0	0	0	0	0
11	MIP_NL__OPNPDK20110128_184602_000061063099_00042_46608_4146.N1	28JAN2011 18:46:02	28JAN2011 20:27:48	0	0	0	0	0
12	MIP_NL__OPNPDE20110128_202606_000043143099_00043_46609_2808.N1	28JAN2011 20:26:06	28JAN2011 21:38:00	0	0	0	0	0
13	MIP_NL__OPNPDE20110128_213655_000061943099_00043_46609_2809.N1	28JAN2011 21:36:55	28JAN2011 23:20:09	0	0	0	0	0
14	MIP_NL__OPNPDE20110128_231902_000061043099_00044_46610_2810.N1	28JAN2011 23:19:02	29JAN2011 01:00:46	0	0	0	0	0

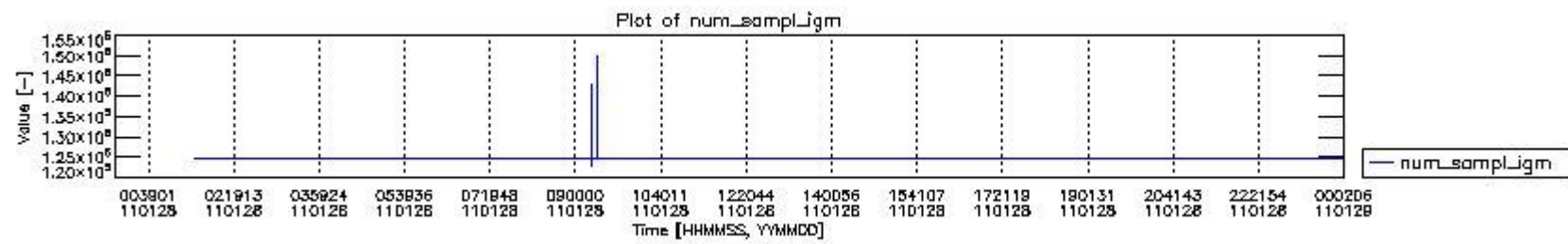
0.2 Instrument Operational Performance Parameters

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.

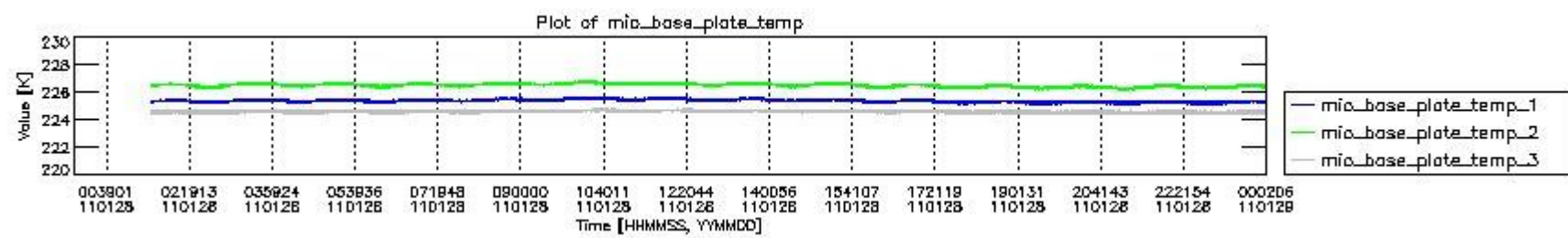
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
122847	1	0.0025743339
124800	36087	92.899987
124803	2752	7.0845669

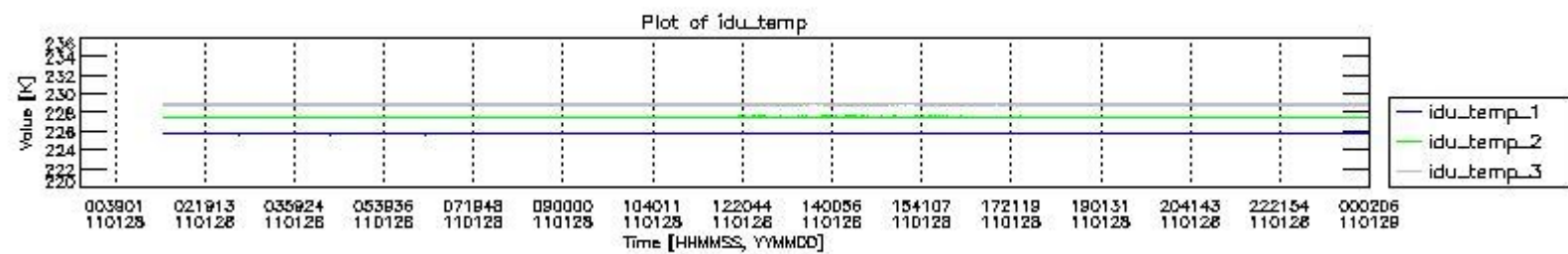
127382	1	0.0025743339
141026	1	0.0025743339
142979	1	0.0025743339
147514	1	0.0025743339
150096	1	0.0025743339



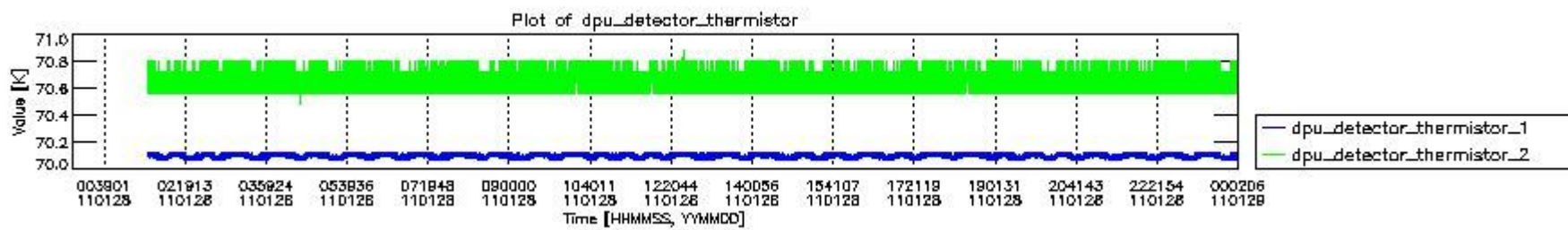
mipas_daily_report_level0_KSPT_L0_4504_N_20110128_0.PNG



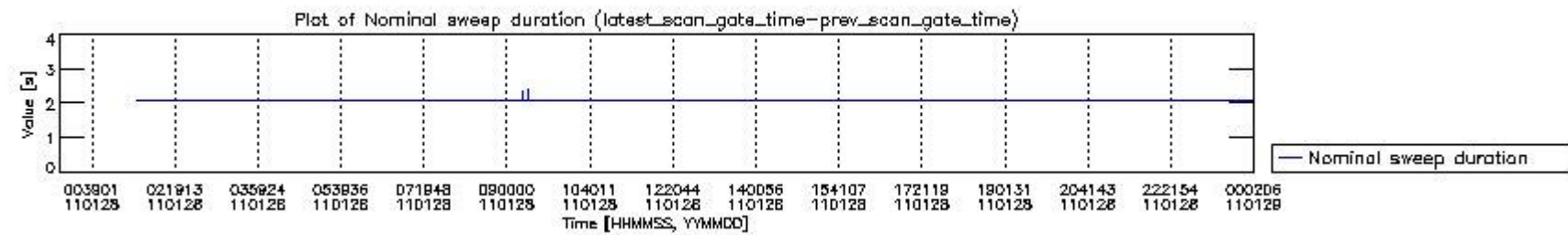
mipas_daily_report_level0_KSPT_L0_4504_N_20110128_1.PNG



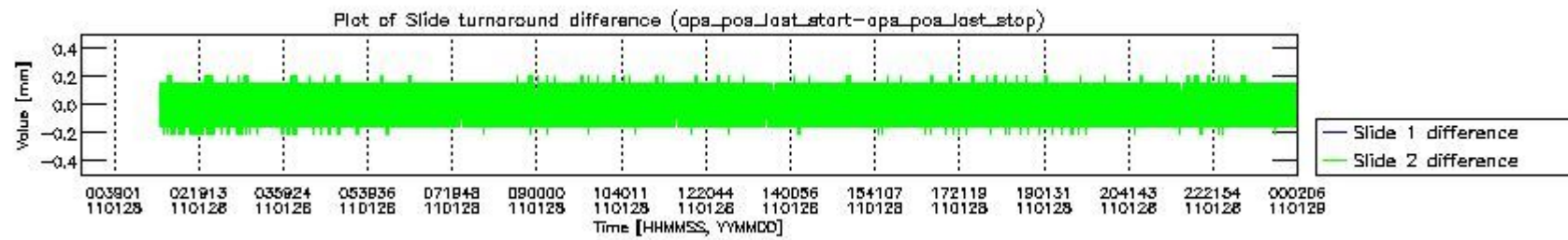
mipas_daily_report_level0_KSPT_L0_4504_N_20110128_2.PNG



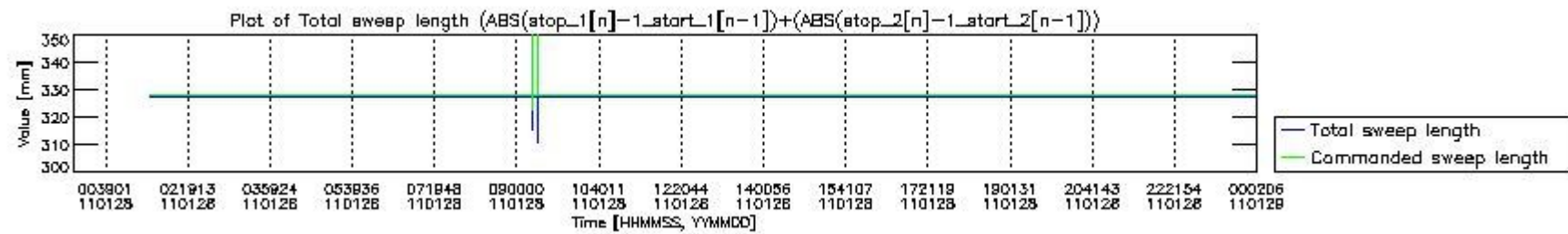
mipas_daily_report_level0_KSPT_L0_4504_N_20110128_3.PNG



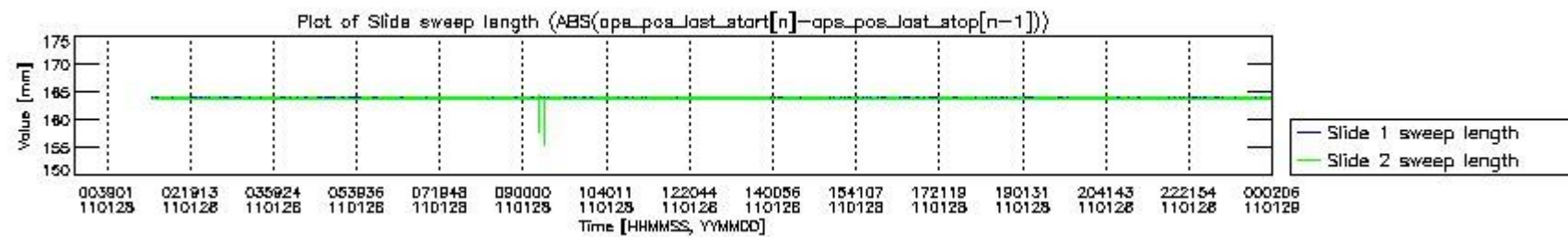
mipas_daily_report_level0_KSPT_L0_4504_N_20110128_4.PNG



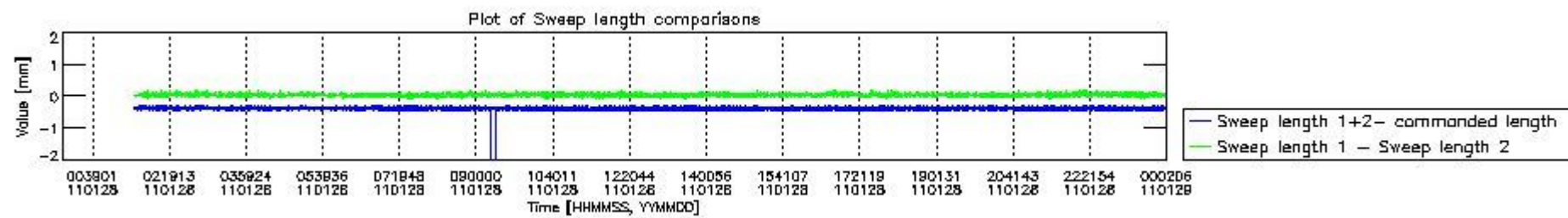
mipas_daily_report_level0_KSPT_L0_4504_N_20110128_5.PNG



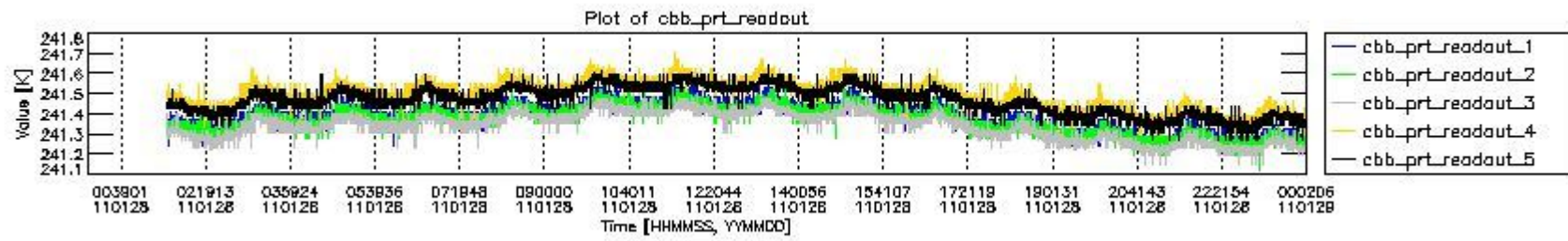
mipas_daily_report_level0_KSPT_L0_4504_N_20110128_6.PNG



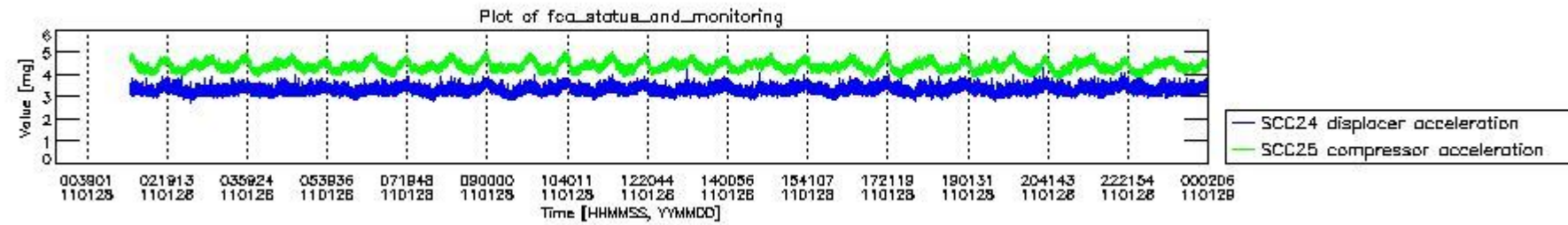
mipas_daily_report_level0_KSPT_L0_4504_N_20110128_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110128_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110128_9.PNG

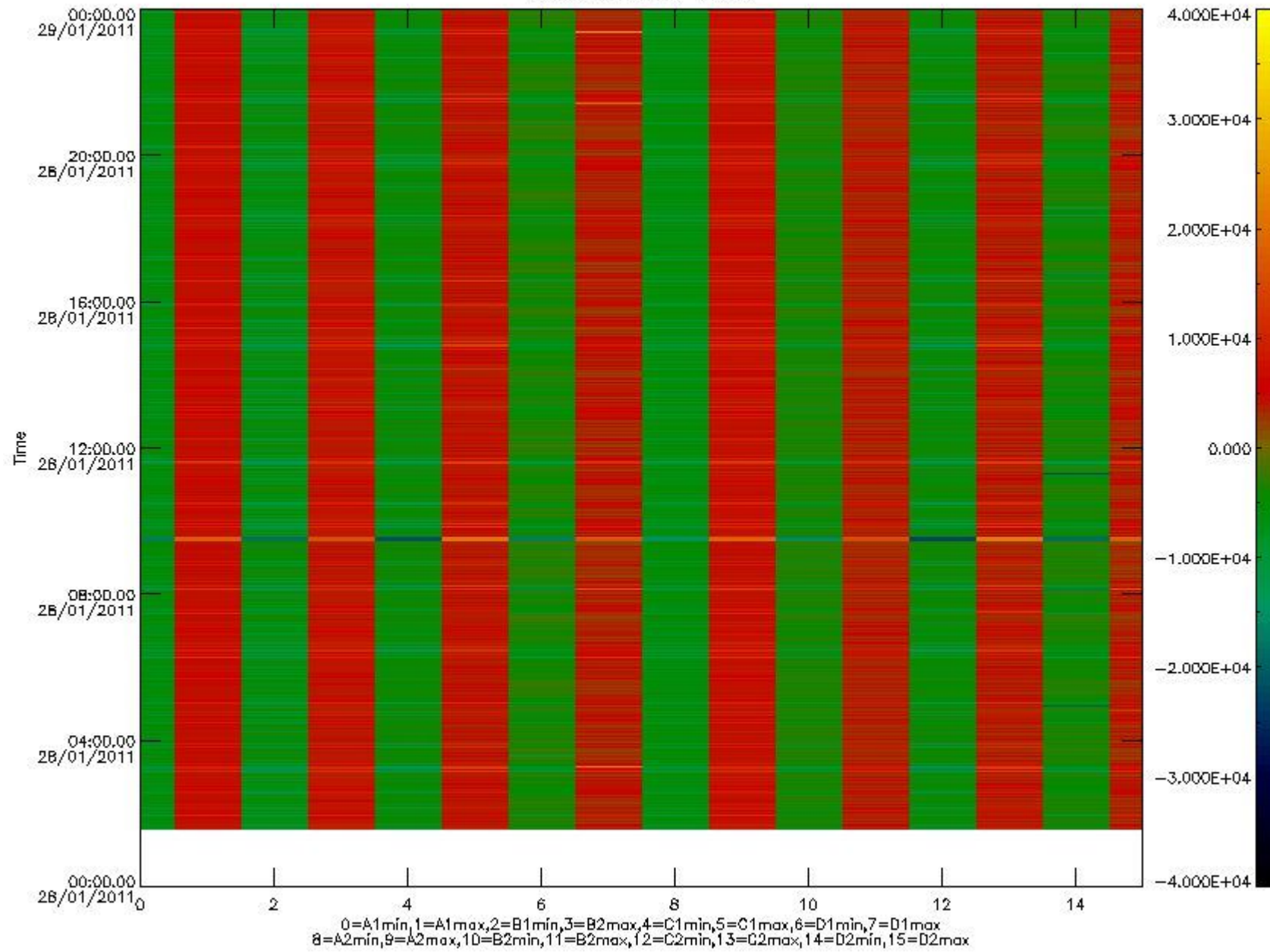


mipas_daily_report_level0_KSPT_L0_4504_N_20110128_10.PNG

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

Channel	Min	Max	ADC
A1	-17505	18521	16bit
B1	-18834	16371	16bit
C1	-22933	21707	16bit
D1	-24865	31961	16bit
A2	-15186	18622	16bit
B2	-16851	16562	16bit
C2	-22831	22365	16bit
D2	-32768	26933	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110128_11.PNG

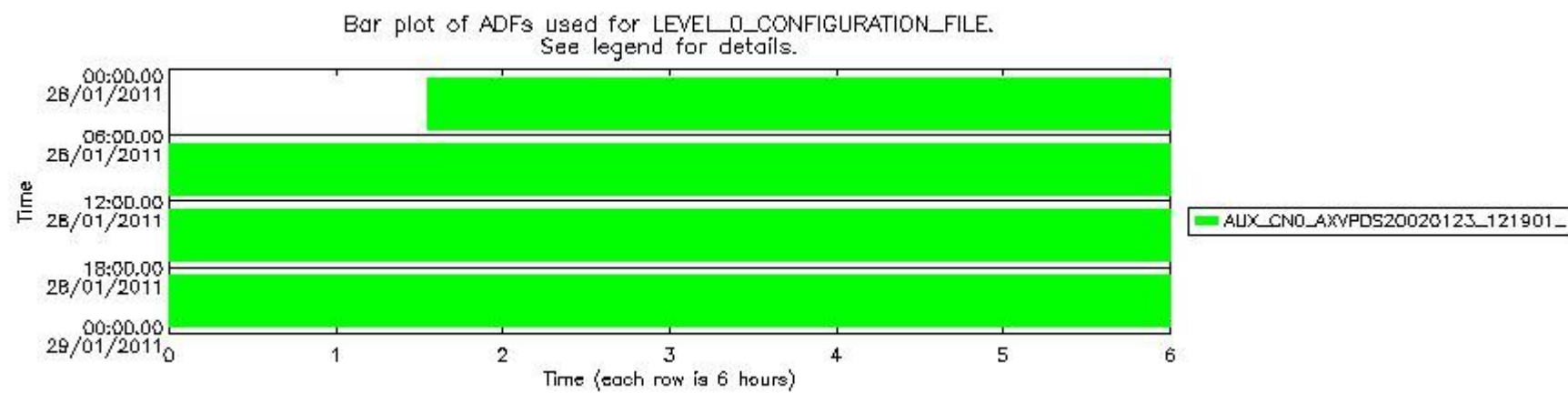
0.3 ADF monitoring

The use of ADFs is shown in two ways:

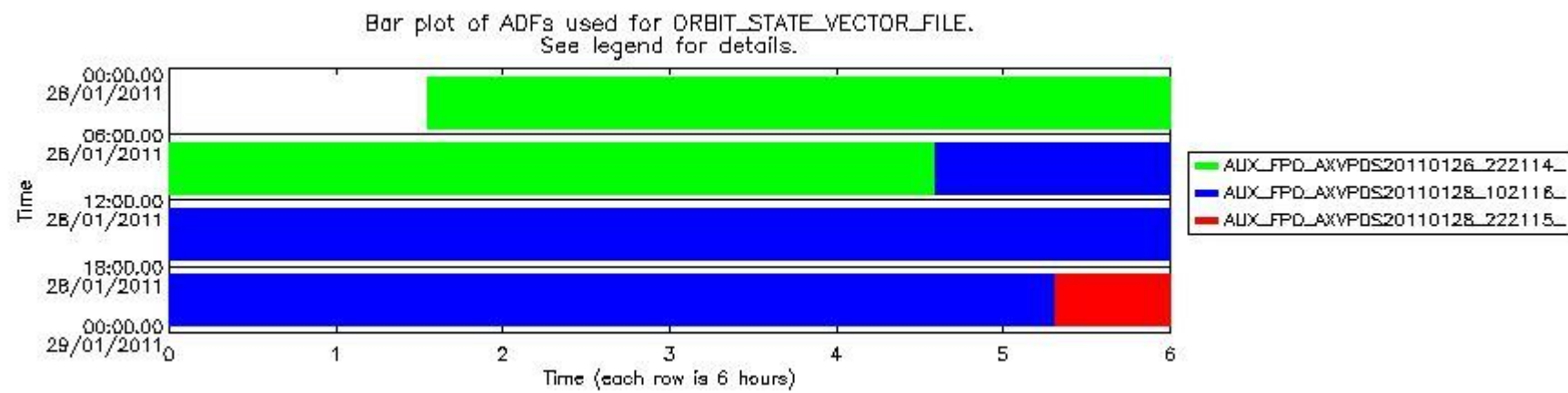
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110126_222114_20110126_194259_20110205_201636
2	AUX_FPO_AXVPDS20110128_102116_20110127_190615_20110206_212007
3	AUX_FPO_AXVPDS20110128_222115_20110128_182931_20110207_204323

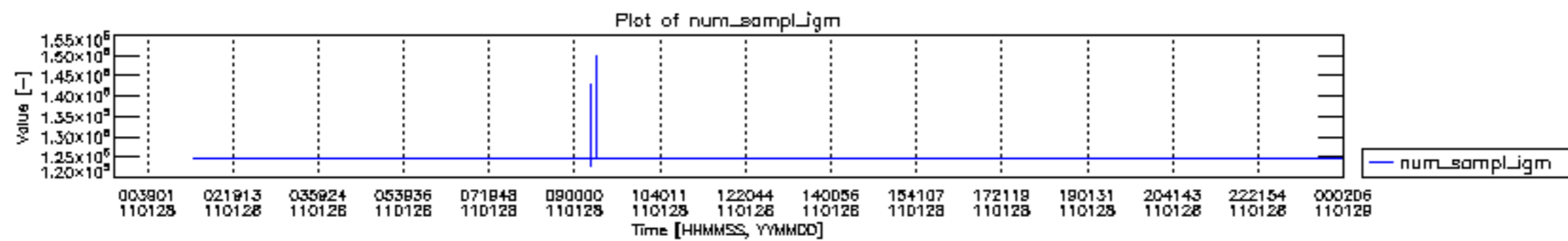
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110128_013302_000044483099_00031_46597_2805.N1	0	1
1	MIP_NL__0PNPDE20110128_024636_000061883099_00032_46598_2806.N1	0	1
2	MIP_NL__0PNPDE20110128_042911_000059873099_00033_46599_2807.N1	0	1
3	MIP_NL__0PNPDK20110128_060827_000040903099_00034_46600_4138.N1	0	1
4	MIP_NL__0PNPDK20110128_071541_000061633099_00035_46601_4139.N1	0	1
5	MIP_NL__0PNPDK20110128_085727_000059763099_00036_46602_4140.N1	0	1
6	MIP_NL__0PNPDK20110128_103525_000059163099_00037_46603_4141.N1	0	2
7	MIP_NL__0PNPDK20110128_121305_000061193099_00038_46604_4142.N1	0	2
8	MIP_NL__0PNPDK20110128_135405_000058643099_00039_46605_4143.N1	0	2
9	MIP_NL__0PNPDK20110128_153059_000060023099_00040_46606_4144.N1	0	2
10	MIP_NL__0PNPDK20110128_171027_000057953099_00041_46607_4145.N1	0	2
11	MIP_NL__0PNPDK20110128_184602_000061063099_00042_46608_4146.N1	0	2
12	MIP_NL__0PNPDE20110128_202606_000043143099_00043_46609_2808.N1	0	2
13	MIP_NL__0PNPDE20110128_213655_000061943099_00043_46609_2809.N1	0	2
14	MIP_NL__0PNPDE20110128_231902_000061043099_00044_46610_2810.N1	0	3

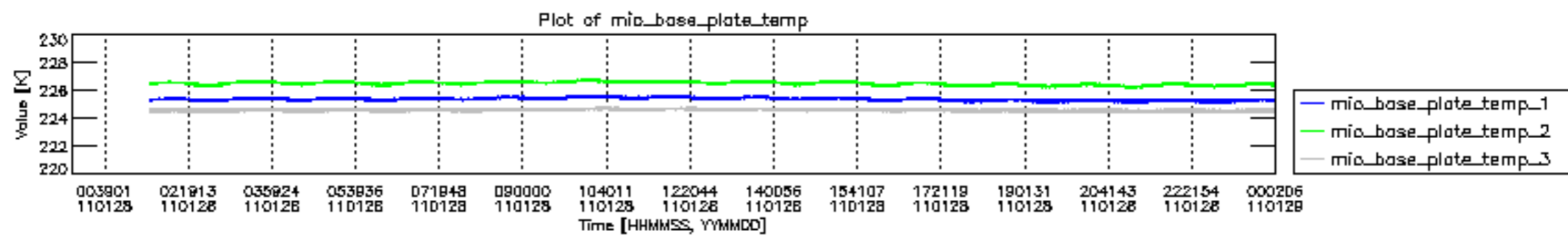


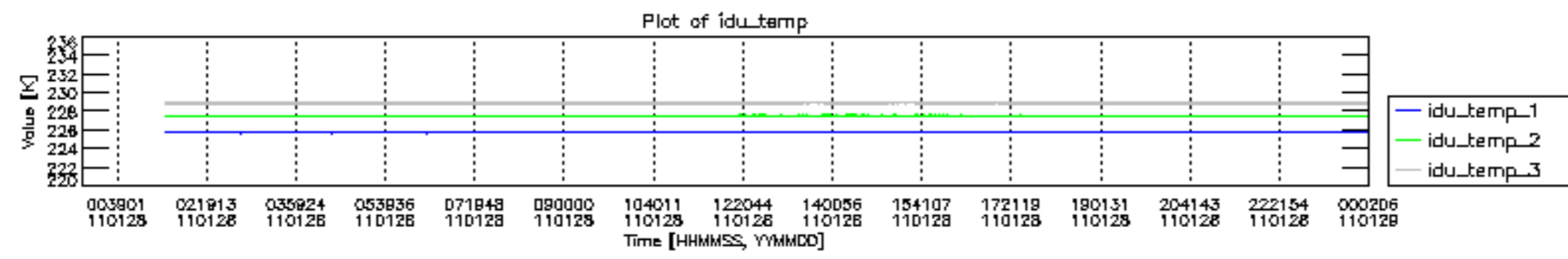
mipas_daily_report_level0_KSPT_L0_4504_N_20110128_12.PNG

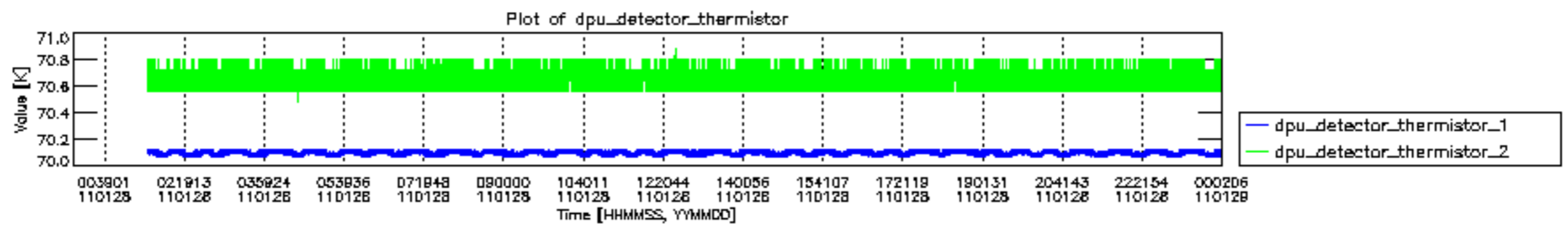


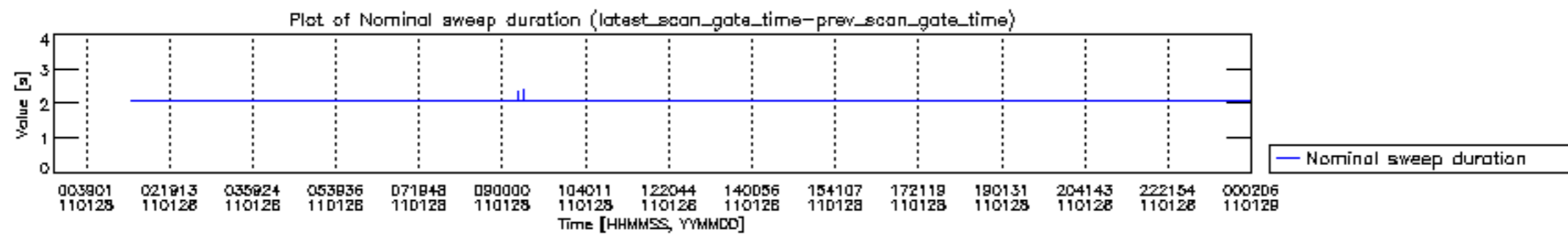
mipas_daily_report_level0_KSPT_L0_4504_N_20110128_13.PNG

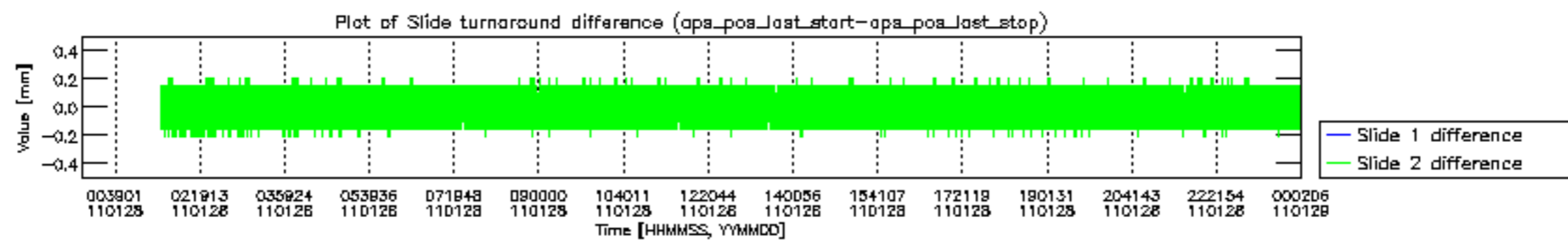


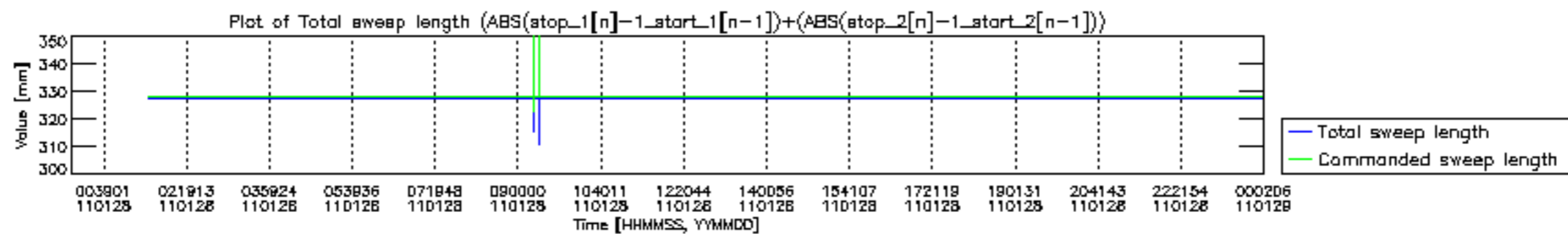


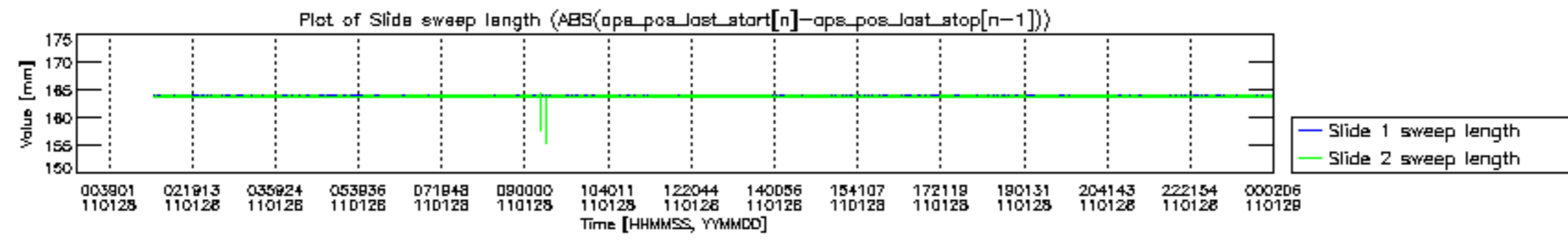


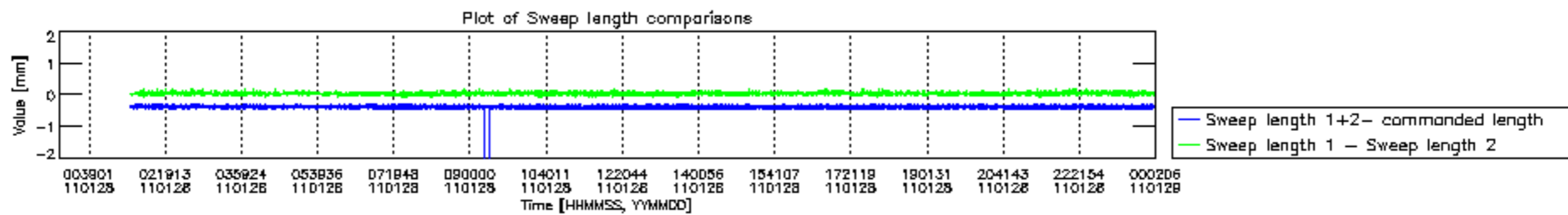


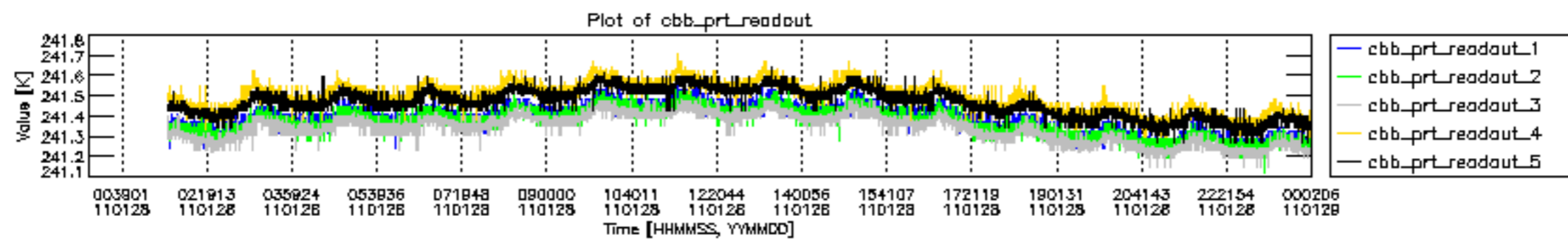


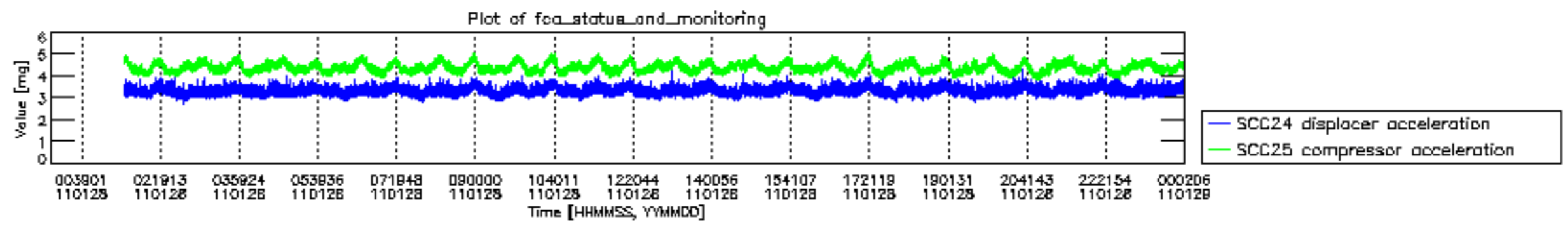












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

