

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	04NOV2011 05:25:22
Data source version	KSPT_L0/4504-N
Processing scope for products	30OCT2011 00:00:00 to 31OCT2011 00:00:00
Start time of first product within scope	30OCT2011 00:16:58
Stop time of last product within scope	30OCT2011 23:41:12
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__0PNPDE20111030_001658_000059263108_00102_50547_9898.N1	30OCT2011 00:16:58	30OCT2011 01:55:45	0	0	0	0	0
1	MIP_NL__0PNPDE20111030_015438_000044163108_00103_50548_9899.N1	30OCT2011 01:54:38	30OCT2011 03:08:14	0	0	0	0	0
2	MIP_NL__0PNPDE20111030_030741_000061403108_00104_50549_9900.N1	30OCT2011 03:07:41	30OCT2011 04:50:00	0	0	0	0	0
3	MIP_NL__0PNPDE20111030_044929_000059983108_00105_50550_9901.N1	30OCT2011 04:49:29	30OCT2011 06:29:27	0	0	0	0	0
4	MIP_NL__0PNPDK20111030_062853_000041323108_00106_50551_7387.N1	30OCT2011 06:28:53	30OCT2011 07:37:45	0	0	0	0	0
5	MIP_NL__0PNPDK20111030_073649_000060873108_00107_50552_7388.N1	30OCT2011 07:36:49	30OCT2011 09:18:16	0	0	0	0	0
6	MIP_NL__0PNPDK20111030_091638_000059603108_00108_50553_7389.N1	30OCT2011 09:16:38	30OCT2011 10:55:58	0	0	0	0	0
7	MIP_NL__0PNPDK20111030_105443_000060563108_00109_50554_7390.N1	30OCT2011 10:54:43	30OCT2011 12:35:39	0	0	0	0	0
8	MIP_NL__0PNPDK20111030_123425_000060063108_00110_50555_7391.N1	30OCT2011 12:34:25	30OCT2011 14:14:31	0	0	0	0	0
9	MIP_NL__0PNPDK20111030_141333_000059013108_00111_50556_7392.N1	30OCT2011 14:13:33	30OCT2011 15:51:54	0	0	0	0	0
10	MIP_NL__0PNPDK20111030_155047_000059813108_00112_50557_7393.N1	30OCT2011 15:50:47	30OCT2011 17:30:28	0	0	0	0	0
11	MIP_NL__0PNPDK20111030_172944_000058533108_00113_50558_7394.N1	30OCT2011 17:29:44	30OCT2011 19:07:18	0	0	0	0	0
12	MIP_NL__0PNPDK20111030_190617_000060503108_00114_50559_7395.N1	30OCT2011 19:06:17	30OCT2011 20:47:07	0	0	0	0	0
13	MIP_NL__0PNPDE20111030_204514_000043953108_00115_50560_9902.N1	30OCT2011 20:45:14	30OCT2011 21:58:29	0	0	0	0	0
14	MIP_NL__0PNPDE20111030_215724_000062273108_00115_50560_9903.N1	30OCT2011 21:57:24	30OCT2011 23:41:12	0	0	0	0	0

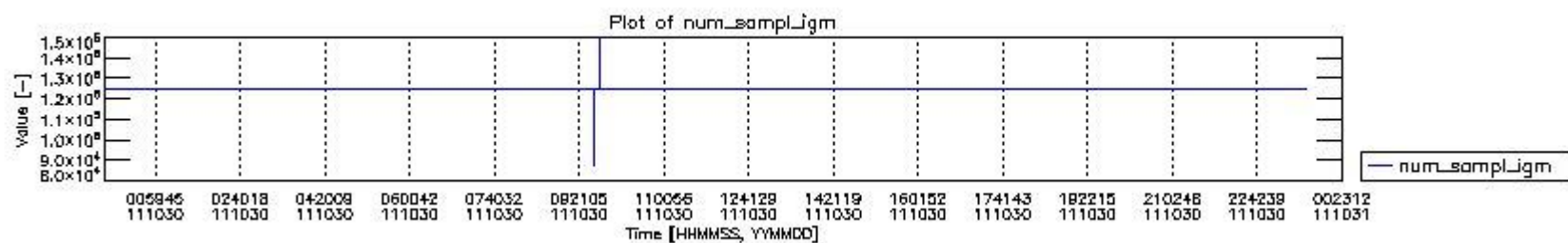
0.2 Instrument Operational Performance Parameters

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.

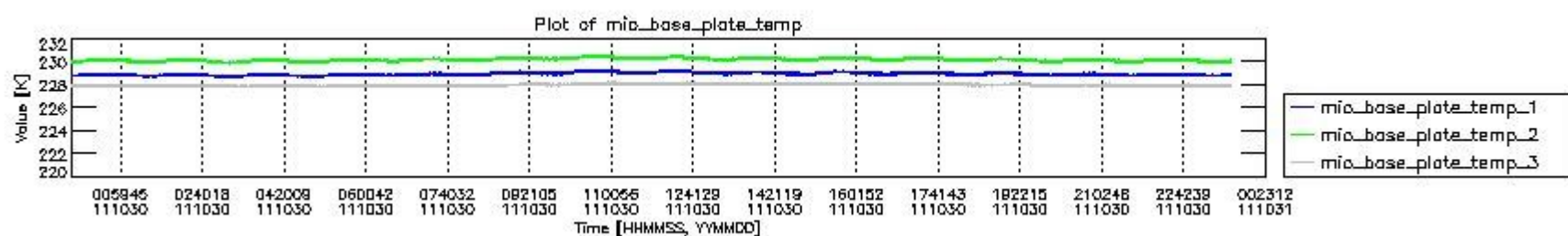
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
87352	1	0.0024364691
96010	1	0.0024364691
116142	1	0.0024364691

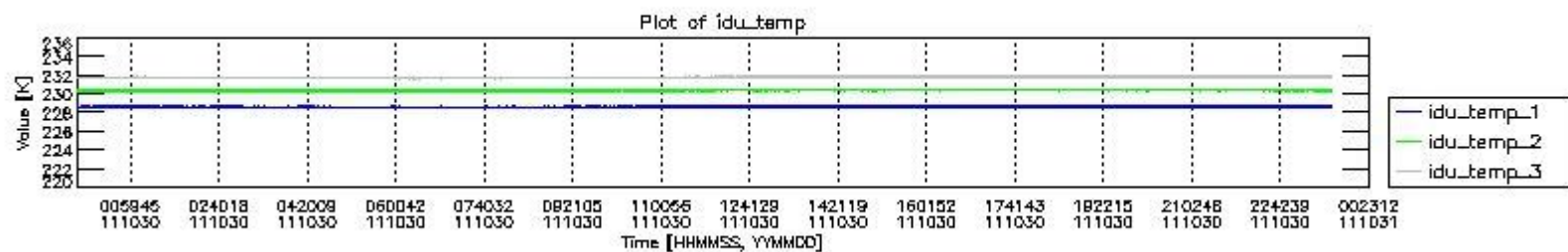
124800	38127	92.895256
124803	2910	7.0901250
127233	1	0.0024364691
147365	1	0.0024364691
149798	1	0.0024364691



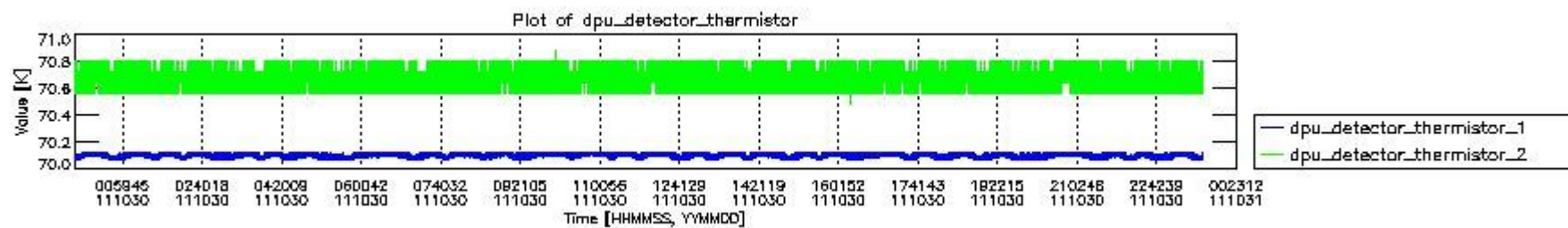
mipas_daily_report_level0_KSPT_L0_4504_N_20111030_0.PNG



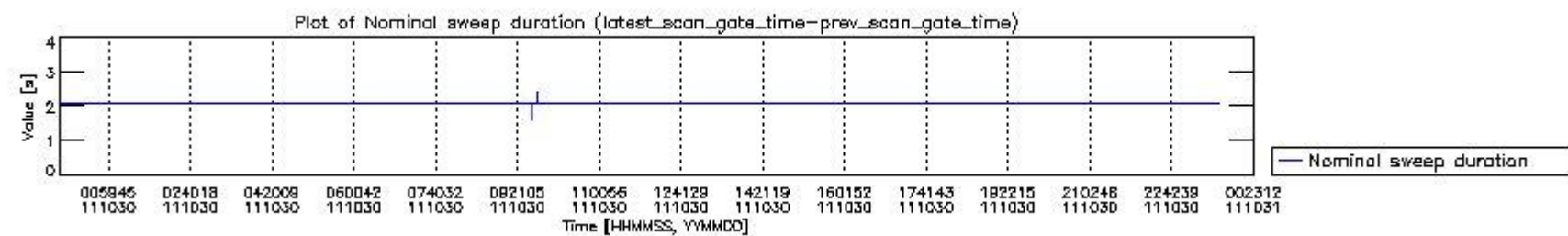
mipas_daily_report_level0_KSPT_L0_4504_N_20111030_1.PNG



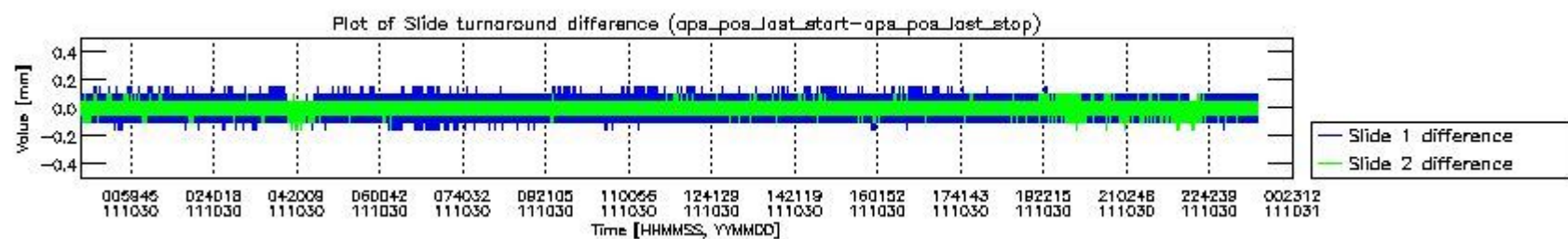
mipas_daily_report_level0_KSPT_L0_4504_N_20111030_2.PNG



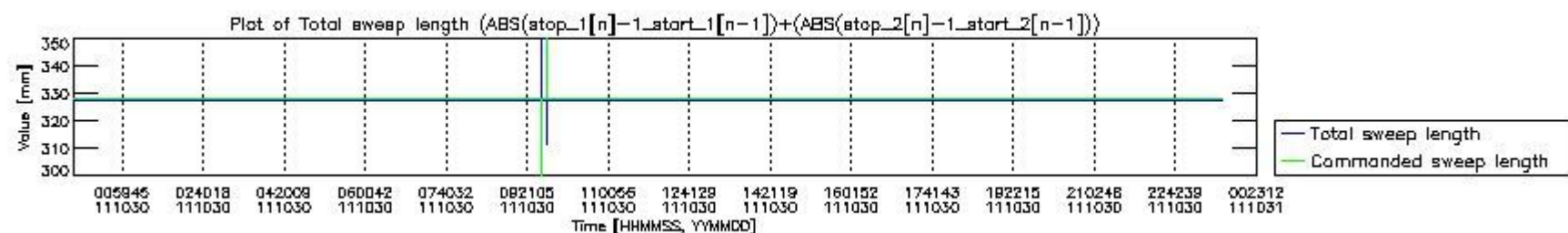
mipas_daily_report_level0_KSPT_L0_4504_N_20111030_3.PNG



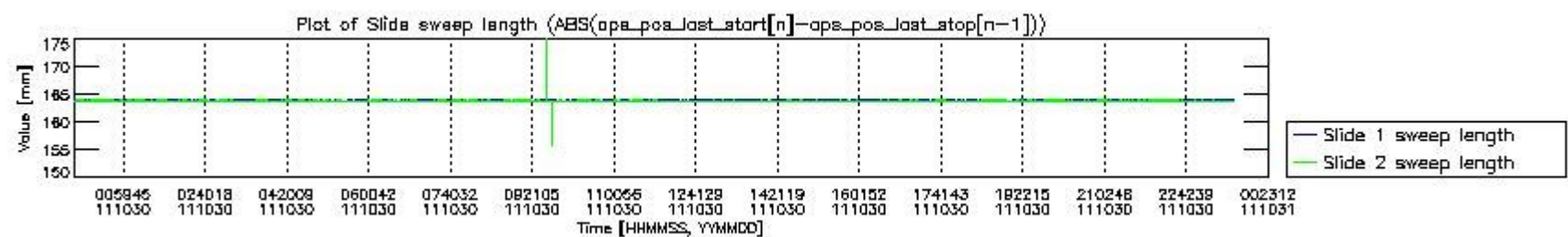
mipas_daily_report_level0_KSPT_L0_4504_N_20111030_4.PNG



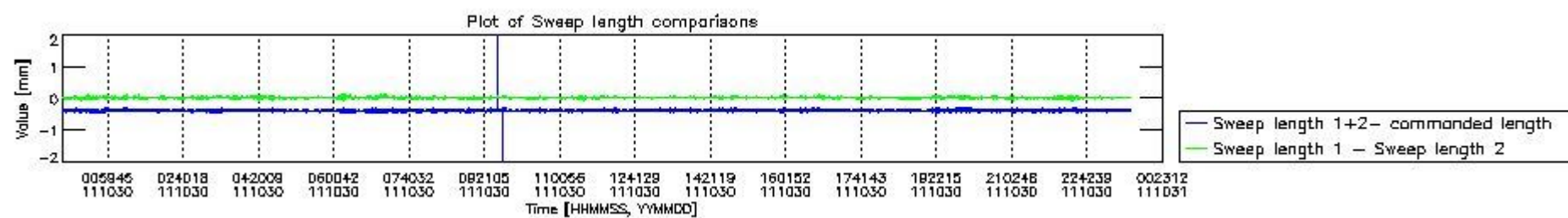
mipas_daily_report_level0_KSPT_L0_4504_N_20111030_5.PNG



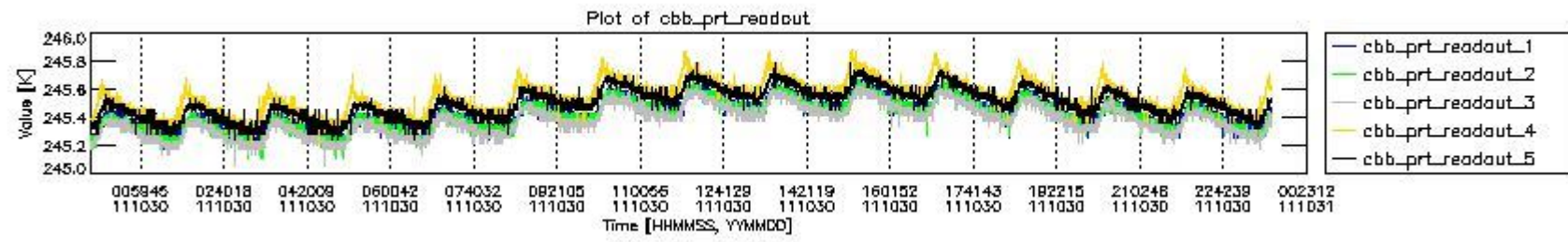
mipas_daily_report_level0_KSPT_L0_4504_N_20111030_6.PNG



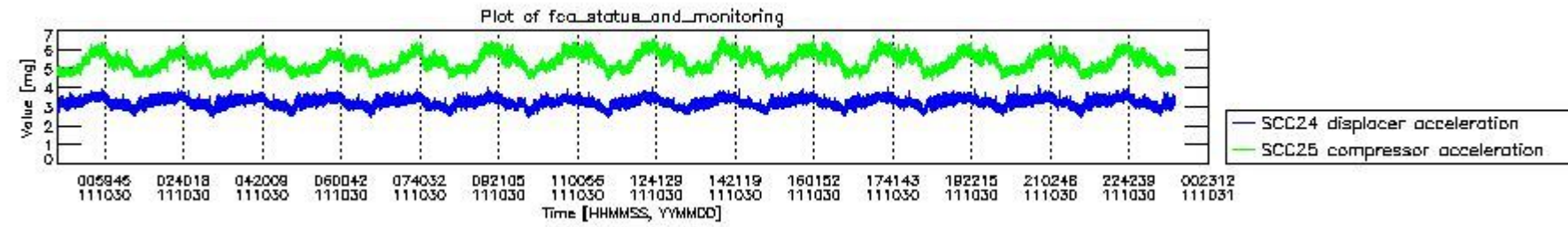
mipas_daily_report_level0_KSPT_L0_4504_N_20111030_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111030_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111030_9.PNG

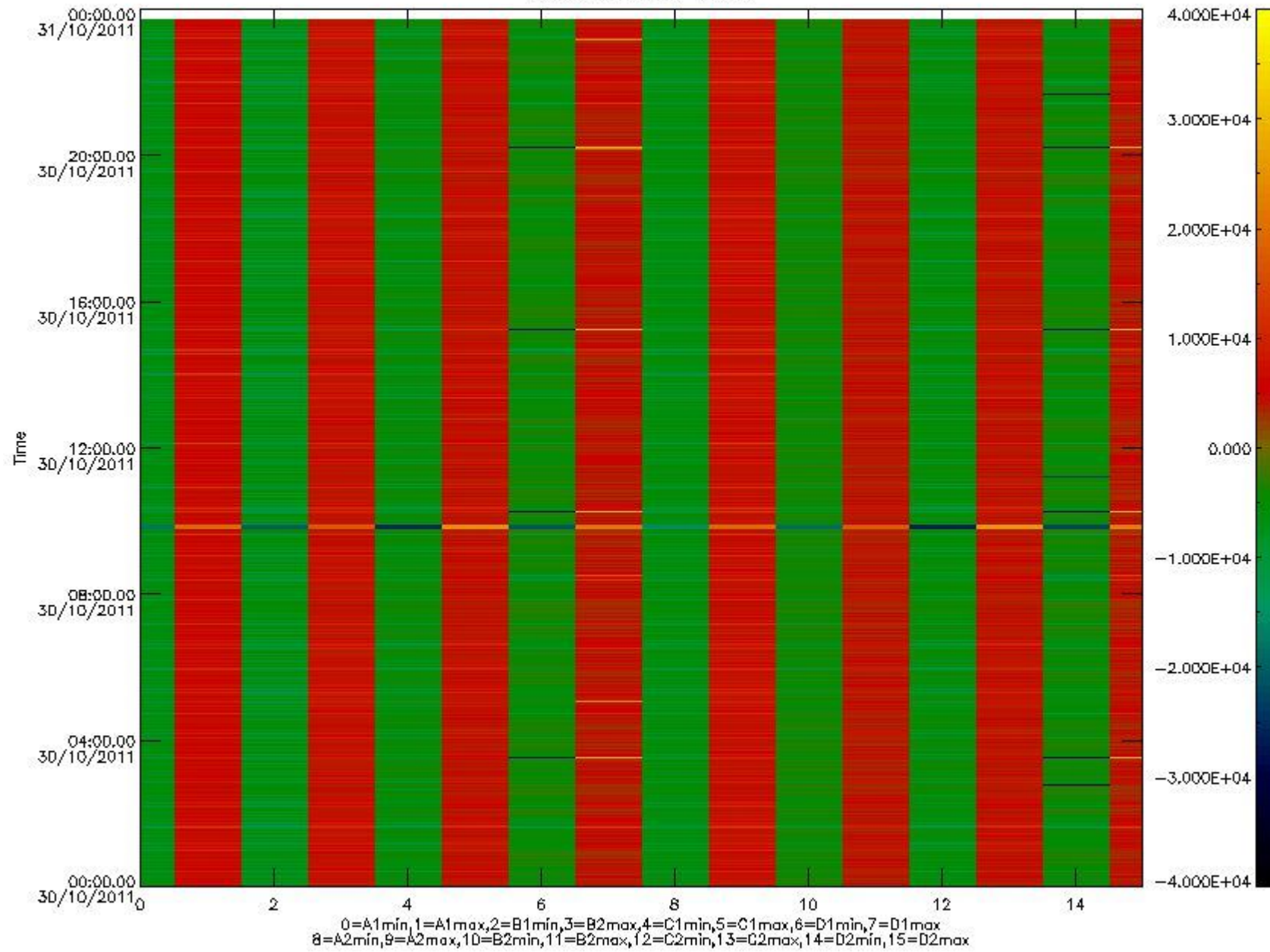


mipas_daily_report_level0_KSPT_L0_4504_N_20111030_10.PNG

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

Channel	Min	Max	ADC
A1	-18536	19685	16bit
B1	-20785	17851	16bit
C1	-25684	25520	16bit
D1	-32768	32767	16bit
A2	-16003	19807	16bit
B2	-18785	18389	16bit
C2	-26747	26269	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_20111030_11.PNG

0.3 ADF monitoring

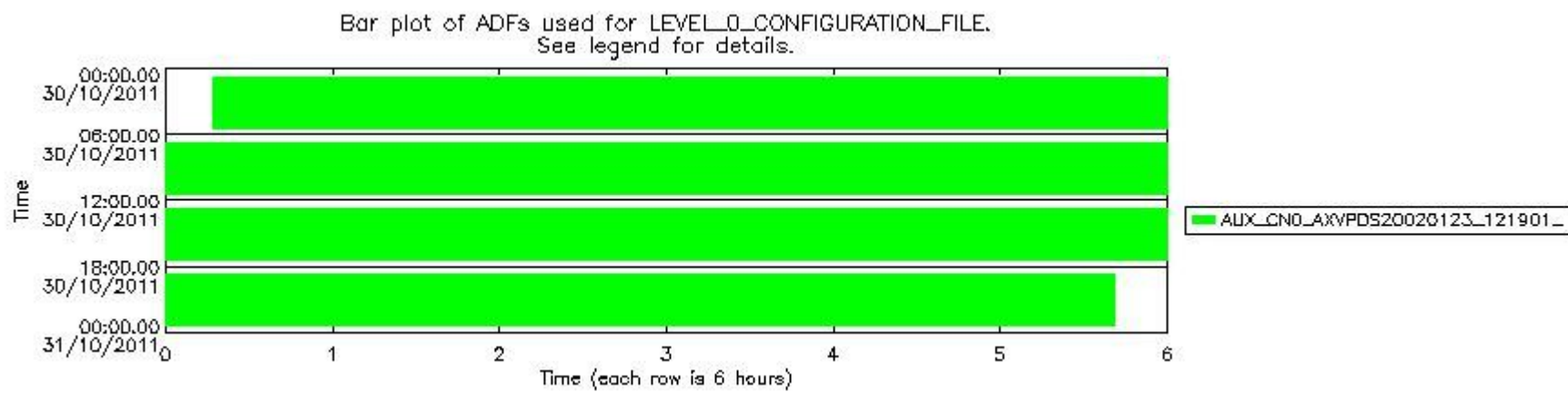
The use of ADFs is shown in two ways:

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.

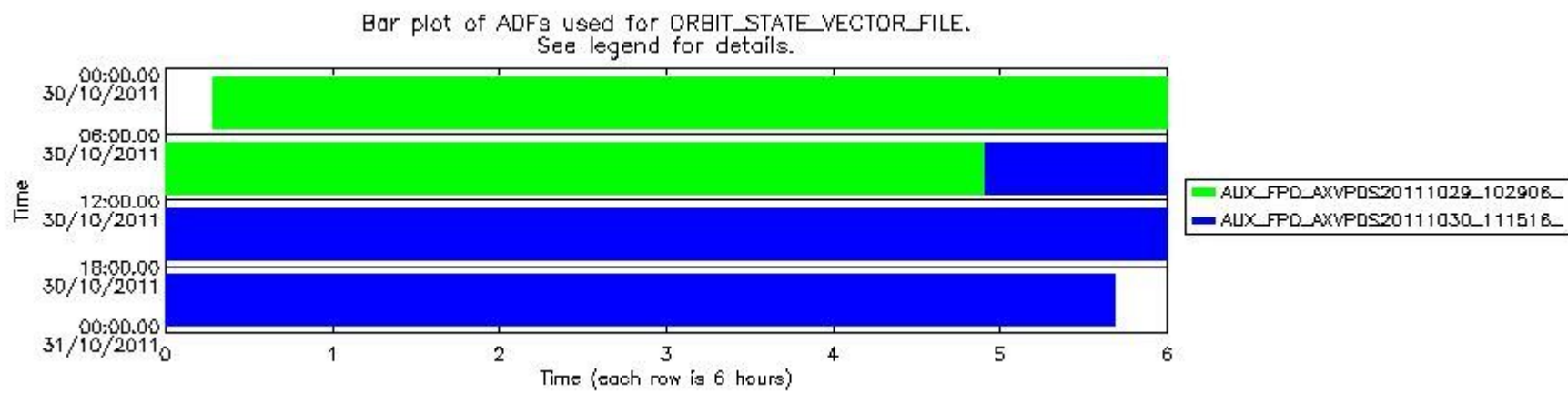
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111029_102906_20111028_182333_20111107_203717
2	AUX_FPO_AXVPDS20111030_111516_20111029_192702_20111108_200032

Number	Product name	#CN0	#FPO
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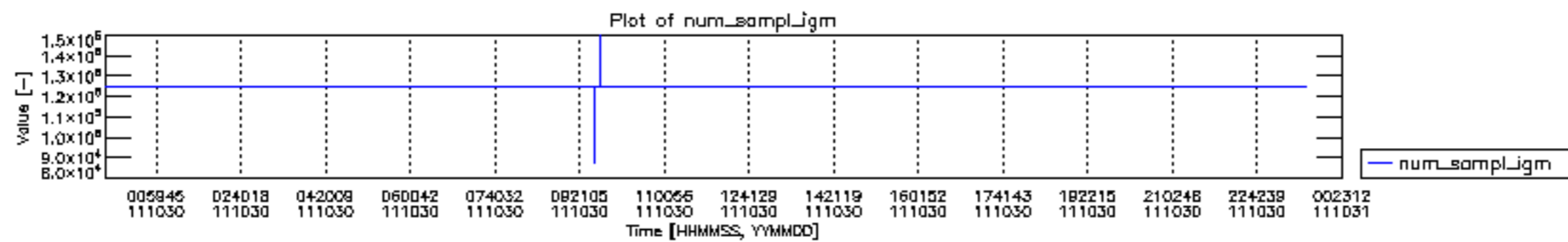
0	MIP_NL__0PNPDE20111030_001658_000059263108_00102_50547_9898.N1	0	1
1	MIP_NL__0PNPDE20111030_015438_000044163108_00103_50548_9899.N1	0	1
2	MIP_NL__0PNPDE20111030_030741_000061403108_00104_50549_9900.N1	0	1
3	MIP_NL__0PNPDE20111030_044929_000059983108_00105_50550_9901.N1	0	1
4	MIP_NL__0PNPDK20111030_062853_000041323108_00106_50551_7387.N1	0	1
5	MIP_NL__0PNPDK20111030_073649_000060873108_00107_50552_7388.N1	0	1
6	MIP_NL__0PNPDK20111030_091638_000059603108_00108_50553_7389.N1	0	1
7	MIP_NL__0PNPDK20111030_105443_000060563108_00109_50554_7390.N1	0	2
8	MIP_NL__0PNPDK20111030_123425_000060063108_00110_50555_7391.N1	0	2
9	MIP_NL__0PNPDK20111030_141333_000059013108_00111_50556_7392.N1	0	2
10	MIP_NL__0PNPDK20111030_155047_000059813108_00112_50557_7393.N1	0	2
11	MIP_NL__0PNPDK20111030_172944_000058533108_00113_50558_7394.N1	0	2
12	MIP_NL__0PNPDK20111030_190617_000060503108_00114_50559_7395.N1	0	2
13	MIP_NL__0PNPDE20111030_204514_000043953108_00115_50560_9902.N1	0	2
14	MIP_NL__0PNPDE20111030_215724_000062273108_00115_50560_9903.N1	0	2

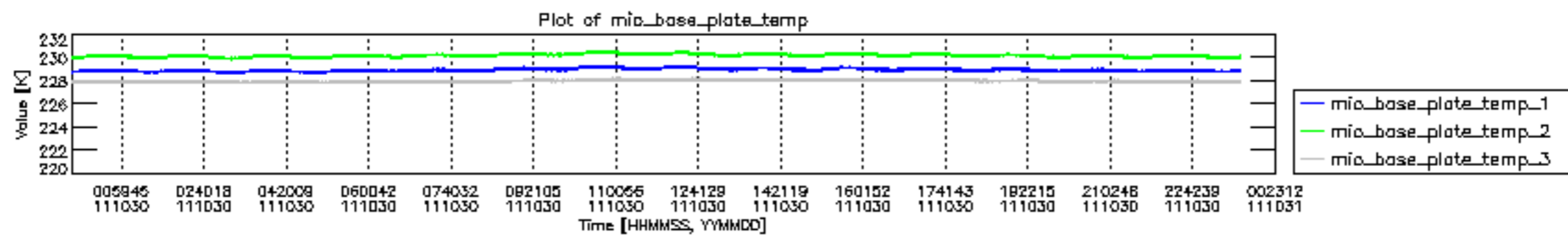


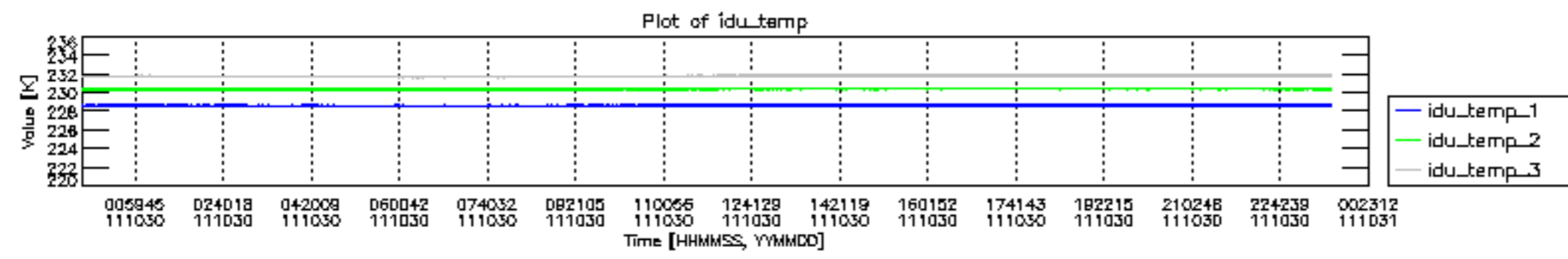
mipas_daily_report_level0_KSPT_L0_4504_N_20111030_12.PNG

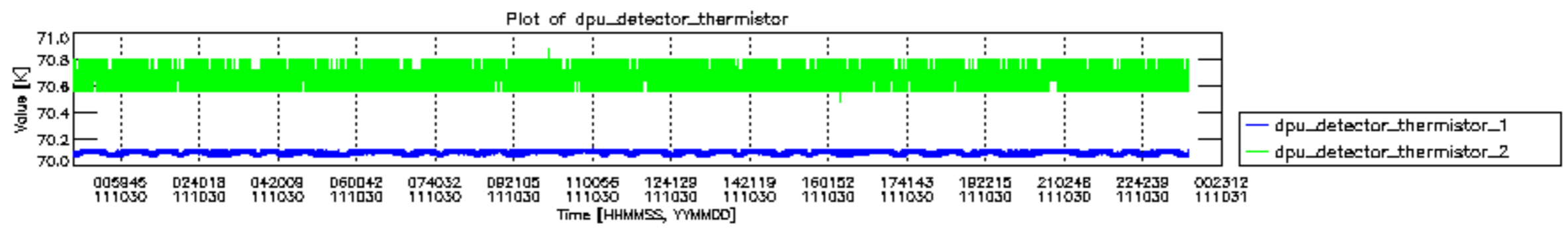


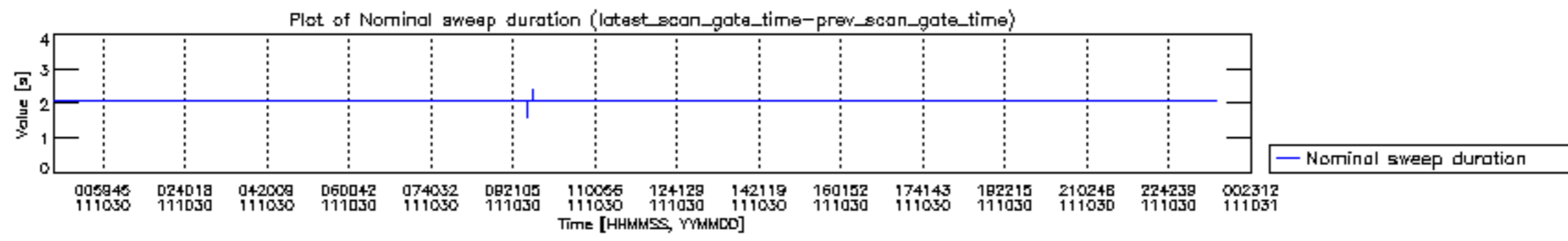
mipas_daily_report_level0_KSPT_L0_4504_N_20111030_13.PNG

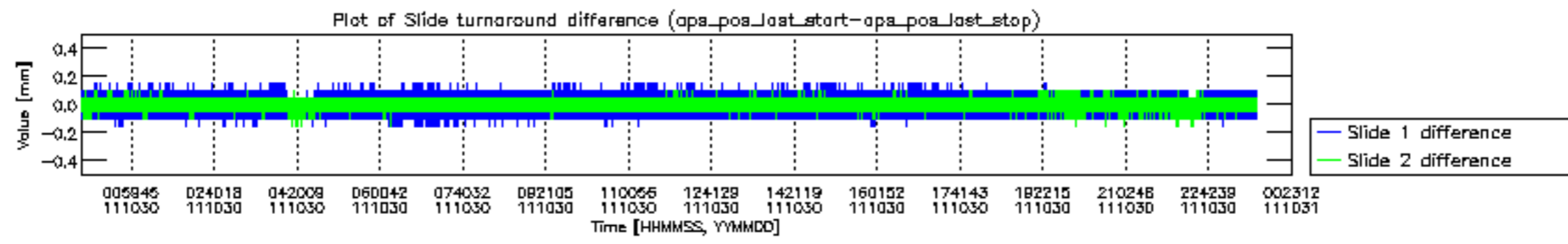


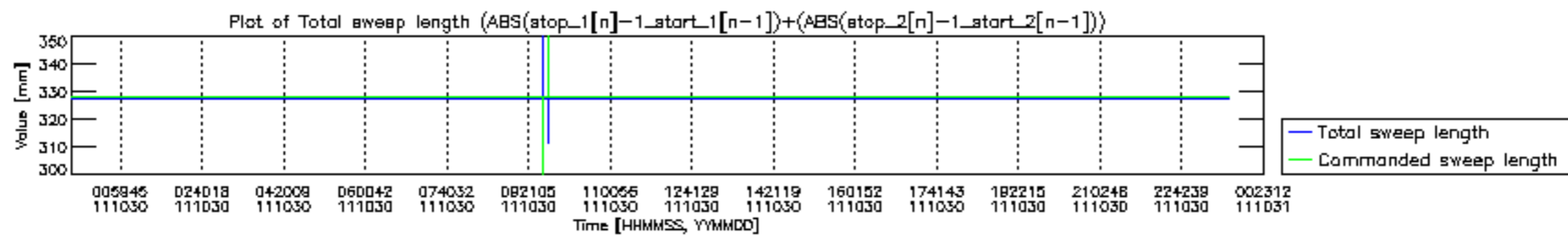


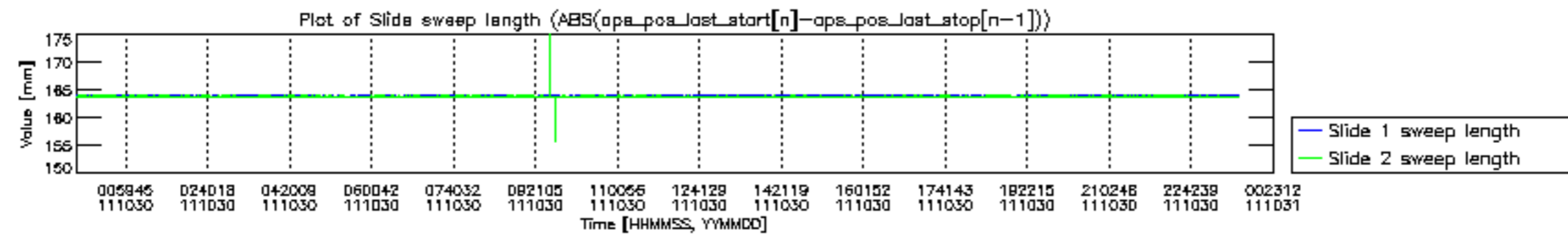


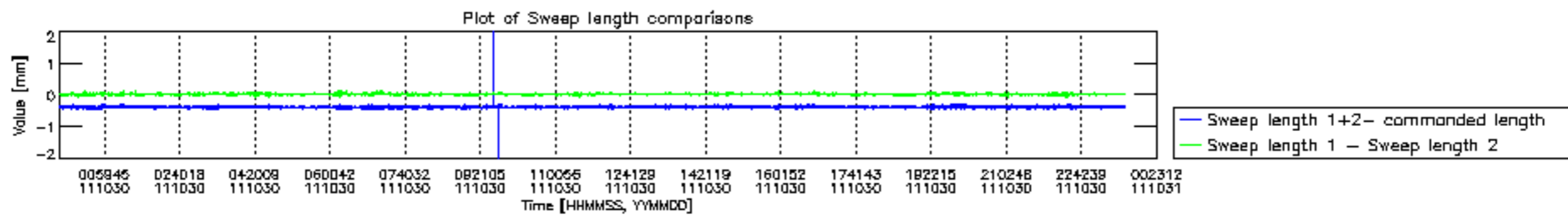


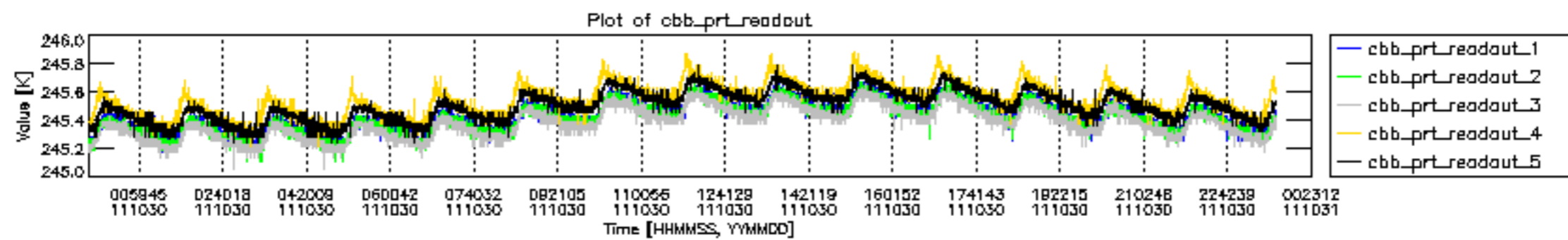


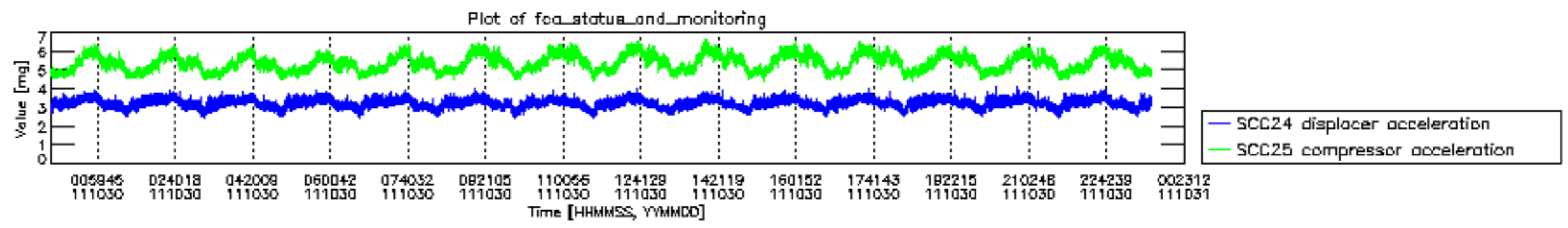












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

