

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	24JUN2011 05:23:50
Data source version	KSPT_L0/4504-N
Processing scope for products	19JUN2011 00:00:00 to 20JUN2011 00:00:00
Start time of first product within scope	19JUN2011 01:30:37
Stop time of last product within scope	20JUN2011 00:56:13
Total number of level 0 products	16
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__0PNPDE20110619_013037_000043583103_00347_48637_9066.N1	19JUN2011 01:30:37	19JUN2011 02:43:15	0	0	0	0	0
1	MIP_NL__0PNPDE20110619_015049_000031463103_00348_48638_9069.N1	19JUN2011 01:50:49	19JUN2011 02:43:15	0	0	0	0	0
2	MIP_NL__0PNPDE20110619_024242_000061103103_00348_48638_9067.N1	19JUN2011 02:42:42	19JUN2011 04:24:32	0	0	0	0	0
3	MIP_NL__0PNPDE20110619_042359_000060833103_00349_48639_9068.N1	19JUN2011 04:23:59	19JUN2011 06:05:22	0	0	0	0	0
4	MIP_NL__0PNPDK20110619_060451_000041303103_00350_48640_5529.N1	19JUN2011 06:04:51	19JUN2011 07:13:41	0	0	0	0	0
5	MIP_NL__0PNPDK20110619_071307_000060613103_00351_48641_5530.N1	19JUN2011 07:13:07	19JUN2011 08:54:08	0	0	0	0	0
6	MIP_NL__0PNPDK20110619_085330_000059733103_00352_48642_5531.N1	19JUN2011 08:53:30	19JUN2011 10:33:03	0	0	0	0	0
7	MIP_NL__0PNPDK20110619_103219_000059943103_00353_48643_5532.N1	19JUN2011 10:32:19	19JUN2011 12:12:13	0	0	0	0	0
8	MIP_NL__0PNPDK20110619_121131_000059583103_00354_48644_5533.N1	19JUN2011 12:11:31	19JUN2011 13:50:49	0	0	0	0	0
9	MIP_NL__0PNPDK20110619_135016_000059143103_00355_48645_5534.N1	19JUN2011 13:50:16	19JUN2011 15:28:50	0	0	0	0	0
10	MIP_NL__0PNPDK20110619_152806_000058793103_00356_48646_5535.N1	19JUN2011 15:28:06	19JUN2011 17:06:05	0	0	0	0	0
11	MIP_NL__0PNPDK20110619_170533_000058433103_00357_48647_5536.N1	19JUN2011 17:05:33	19JUN2011 18:42:56	0	0	0	0	0
12	MIP_NL__0PNPDK20110619_184158_000059503103_00358_48648_5537.N1	19JUN2011 18:41:58	19JUN2011 20:21:08	0	0	0	0	0
13	MIP_NL__0PNPDE20110619_201948_000045083103_00359_48649_9070.N1	19JUN2011 20:19:48	19JUN2011 21:34:56	0	0	0	0	0
14	MIP_NL__0PNPDE20110619_213356_000061383103_00359_48649_9071.N1	19JUN2011 21:33:56	19JUN2011 23:16:13	0	0	0	0	0
15	MIP_NL__0PNPDE20110619_231515_000060583103_00360_48650_9072.N1	19JUN2011 23:15:15	20JUN2011 00:56:13	0	0	0	0	0

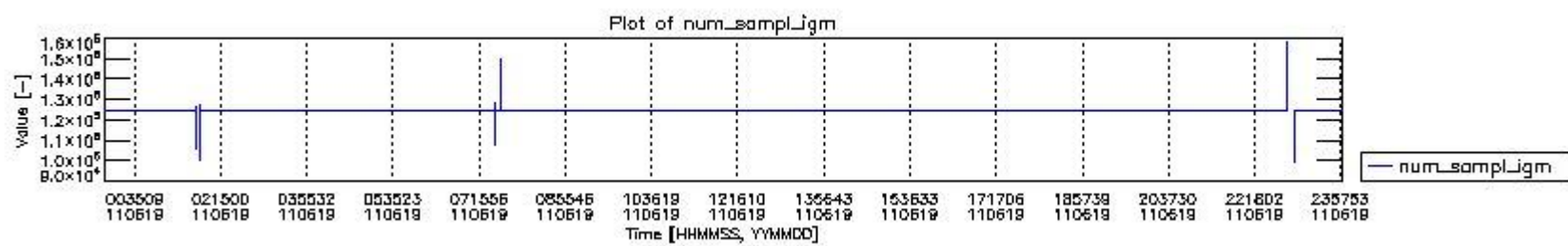
0.2 Instrument Operational Performance Parameters

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.

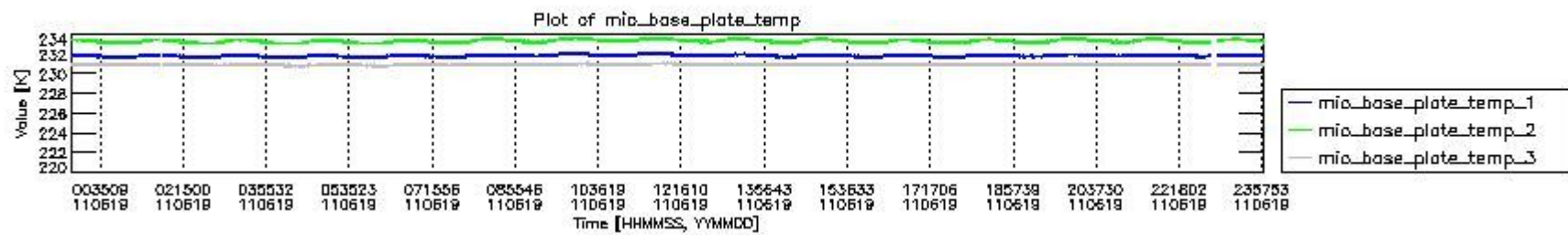
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98922	1	0.0024280095
100706	1	0.0024280095

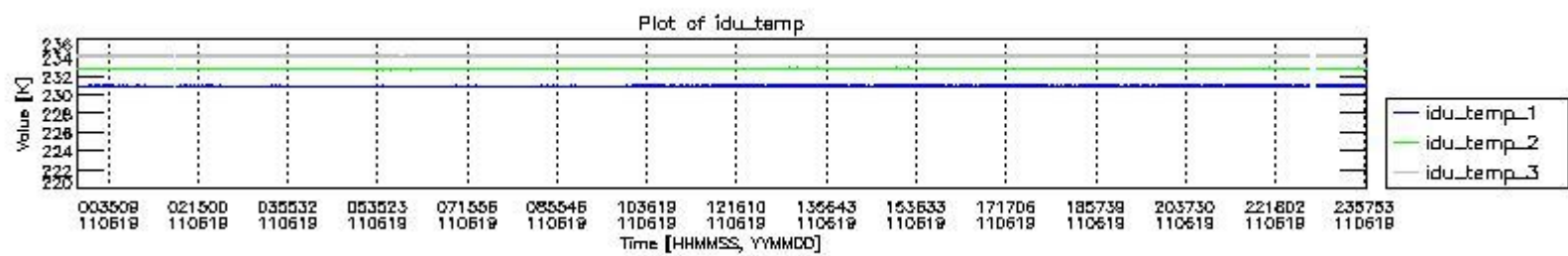
106046	1	0.0024280095
107424	1	0.0024280095
107682	1	0.0024280095
110696	1	0.0024280095
123548	1	0.0024280095
124174	1	0.0024280095
124800	38258	92.890788
124803	2910	7.0655077
125958	1	0.0024280095
126178	1	0.0024280095
127116	1	0.0024280095
127233	1	0.0024280095
127814	1	0.0024280095
131248	1	0.0024280095
147365	1	0.0024280095
149798	1	0.0024280095
151380	1	0.0024280095
157828	1	0.0024280095



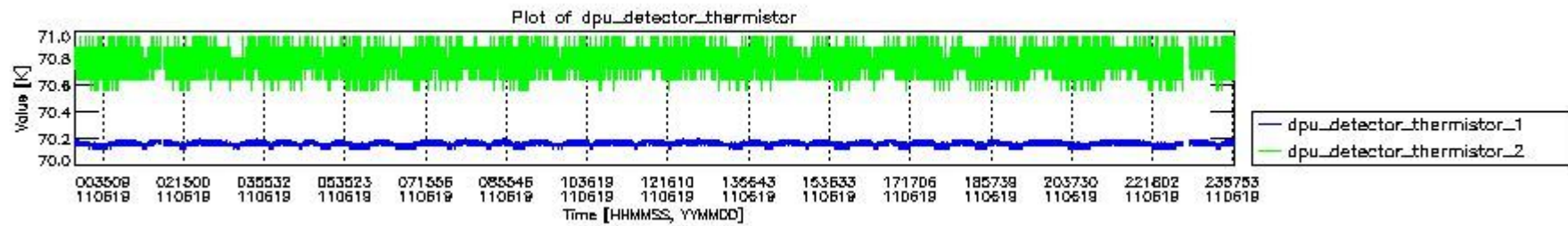
mipas_daily_report_level0_KSPT_L0_4504_N_20110619_0.PNG



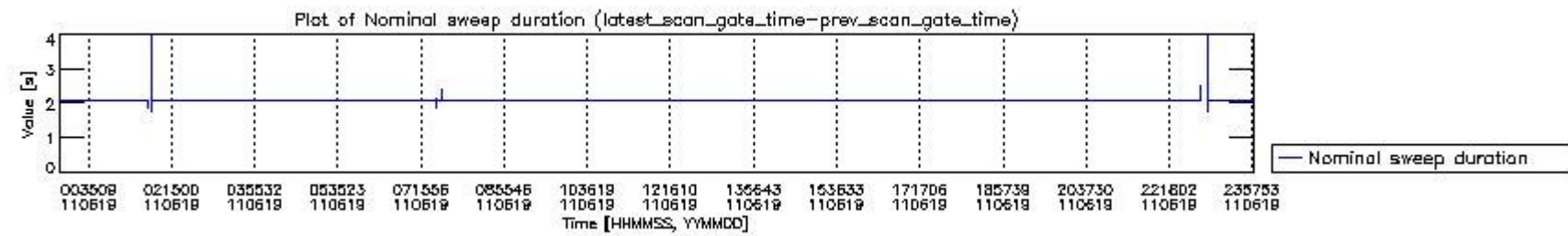
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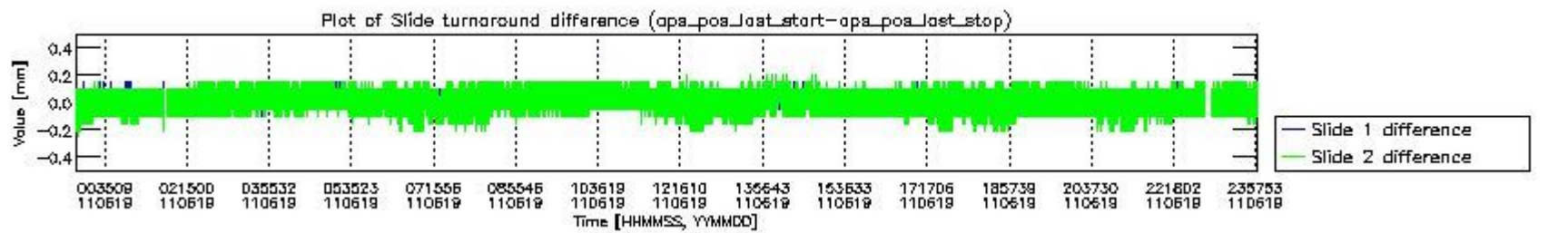
mipas_daily_report_level0_KSPT_L0_4504_N_20110619_2.PNG



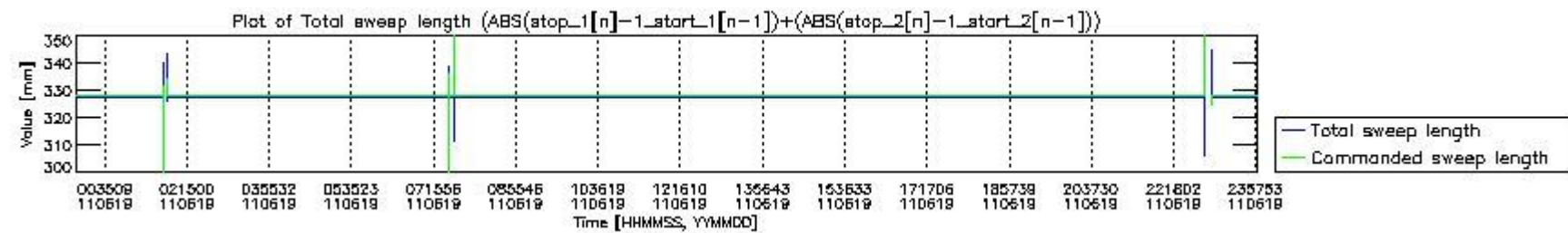
mipas_daily_report_level0_KSPT_L0_4504_N_20110619_3.PNG



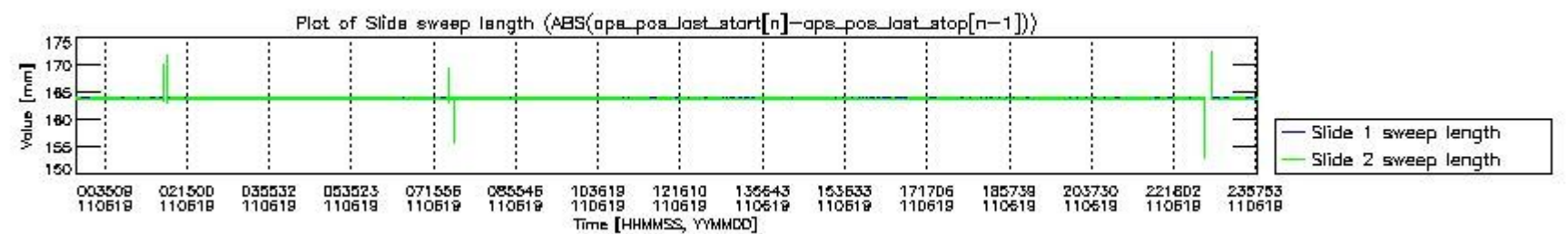
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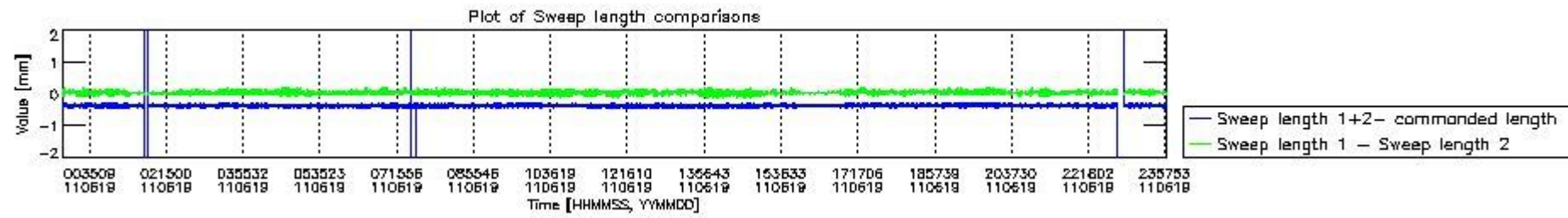
mipas_daily_report_level0_KSPT_L0_4504_N_20110619_5.PNG



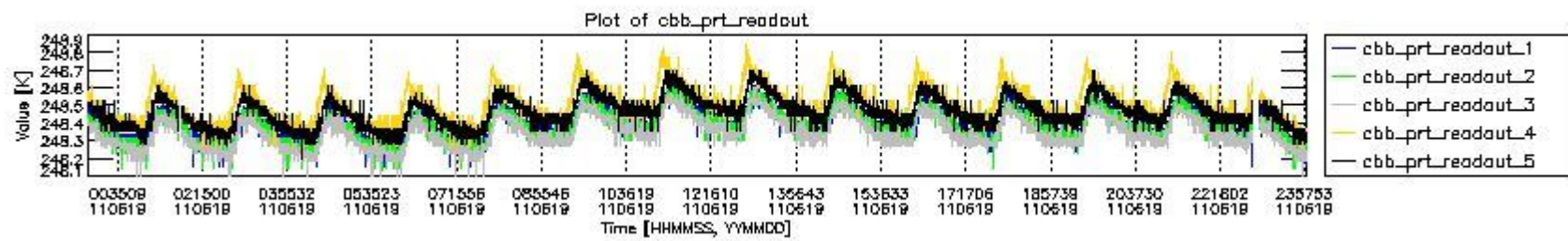
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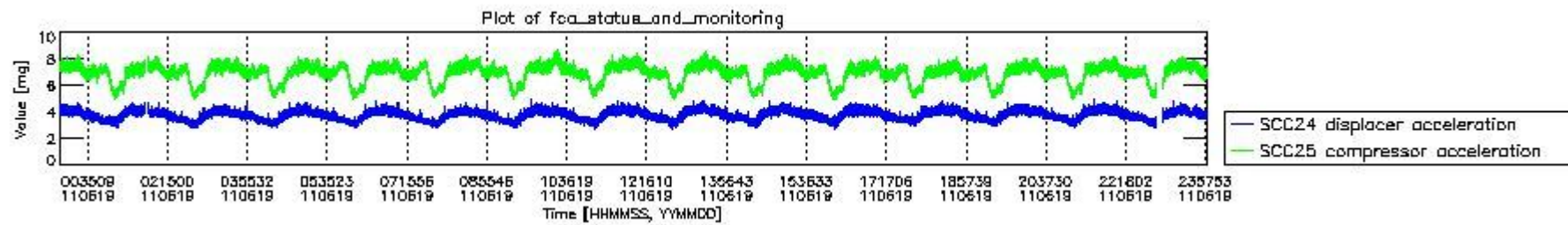
mipas_daily_report_level0_KSPT_L0_4504_N_20110619_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110619_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110619_9.PNG

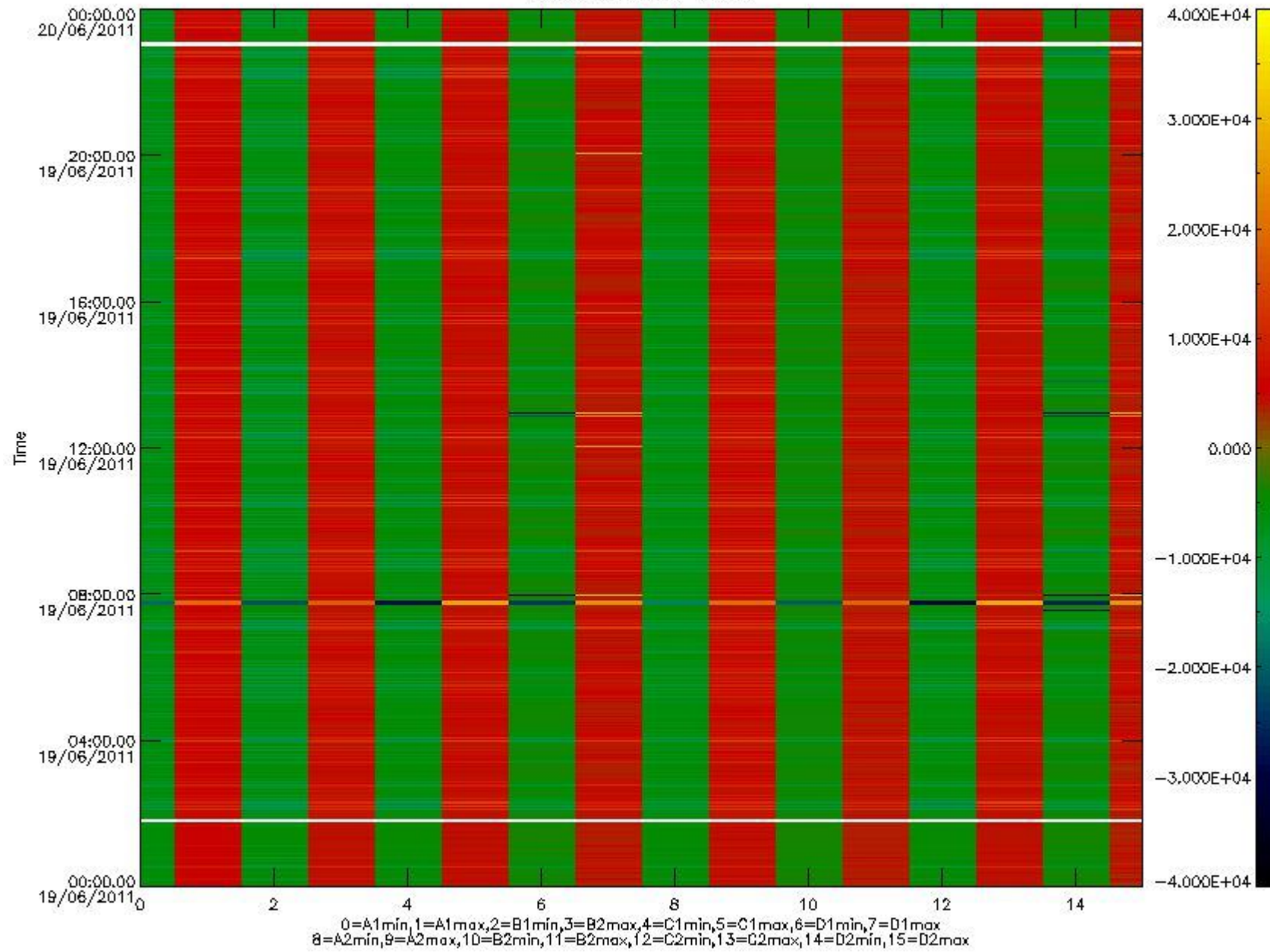


mipas_daily_report_level0_KSPT_L0_4504_N_20110619_10.PNG

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

Channel	Min	Max	ADC
A1	-19200	20426	16bit
B1	-22225	18935	16bit
C1	-28708	28753	16bit
D1	-32768	32767	16bit
A2	-16546	20581	16bit
B2	-20609	20130	16bit
C2	-29847	29555	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_20110619_11.PNG

0.3 ADF monitoring

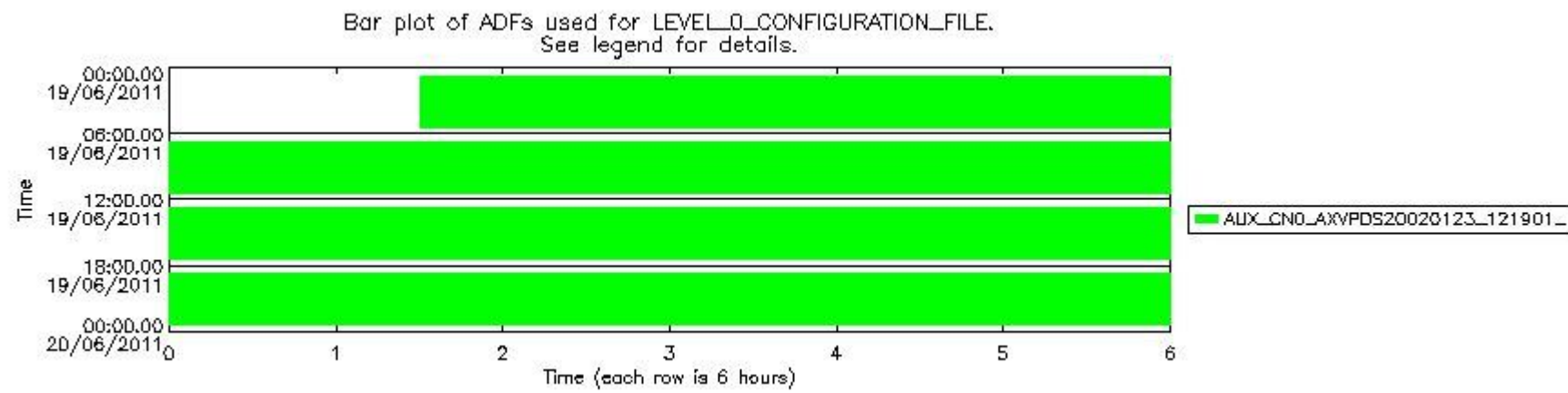
The use of ADFs is shown in two ways:

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.

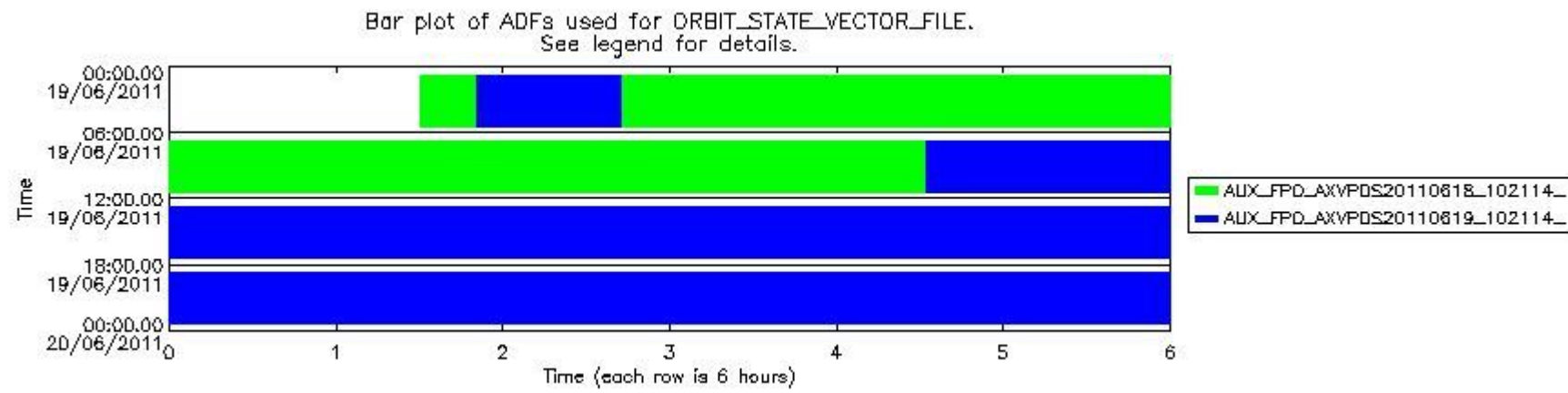
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110618_102114_20110617_193848_20110627_201222
2	AUX_FPO_AXVPDS20110619_102114_20110618_190204_20110628_211552

Number	Product name	#CN0	#FPO
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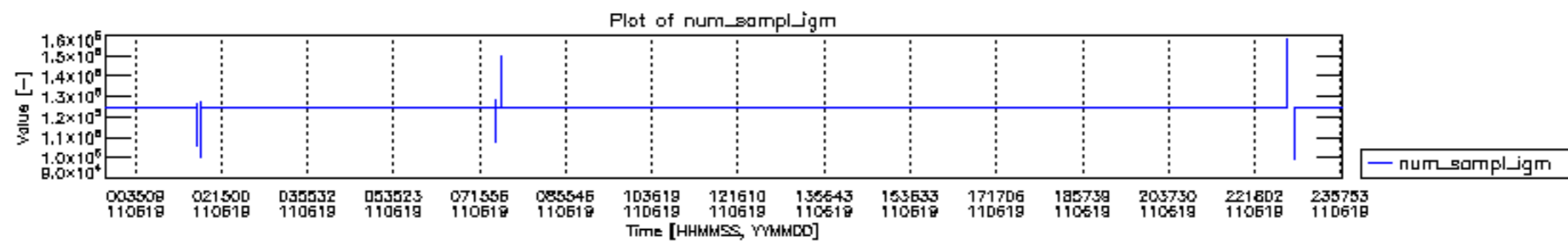
0	MIP_NL__0PNPDE20110619_013037_000043583103_00347_48637_9066.N1	0	1
1	MIP_NL__0PNPDE20110619_015049_000031463103_00348_48638_9069.N1	0	2
2	MIP_NL__0PNPDE20110619_024242_000061103103_00348_48638_9067.N1	0	1
3	MIP_NL__0PNPDE20110619_042359_000060833103_00349_48639_9068.N1	0	1
4	MIP_NL__0PNPDK20110619_060451_000041303103_00350_48640_5529.N1	0	1
5	MIP_NL__0PNPDK20110619_071307_000060613103_00351_48641_5530.N1	0	1
6	MIP_NL__0PNPDK20110619_085330_000059733103_00352_48642_5531.N1	0	1
7	MIP_NL__0PNPDK20110619_103219_000059943103_00353_48643_5532.N1	0	2
8	MIP_NL__0PNPDK20110619_121131_000059583103_00354_48644_5533.N1	0	2
9	MIP_NL__0PNPDK20110619_135016_000059143103_00355_48645_5534.N1	0	2
10	MIP_NL__0PNPDK20110619_152806_000058793103_00356_48646_5535.N1	0	2
11	MIP_NL__0PNPDK20110619_170533_000058433103_00357_48647_5536.N1	0	2
12	MIP_NL__0PNPDK20110619_184158_000059503103_00358_48648_5537.N1	0	2
13	MIP_NL__0PNPDE20110619_201948_000045083103_00359_48649_9070.N1	0	2
14	MIP_NL__0PNPDE20110619_213356_000061383103_00359_48649_9071.N1	0	2
15	MIP_NL__0PNPDE20110619_231515_000060583103_00360_48650_9072.N1	0	2

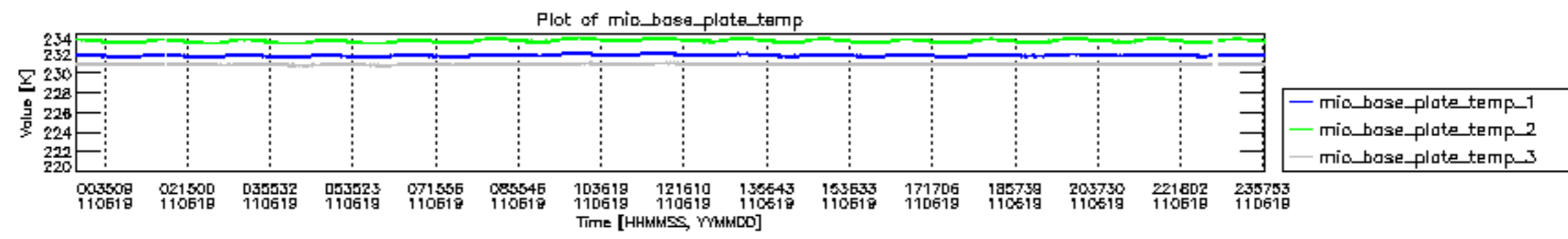


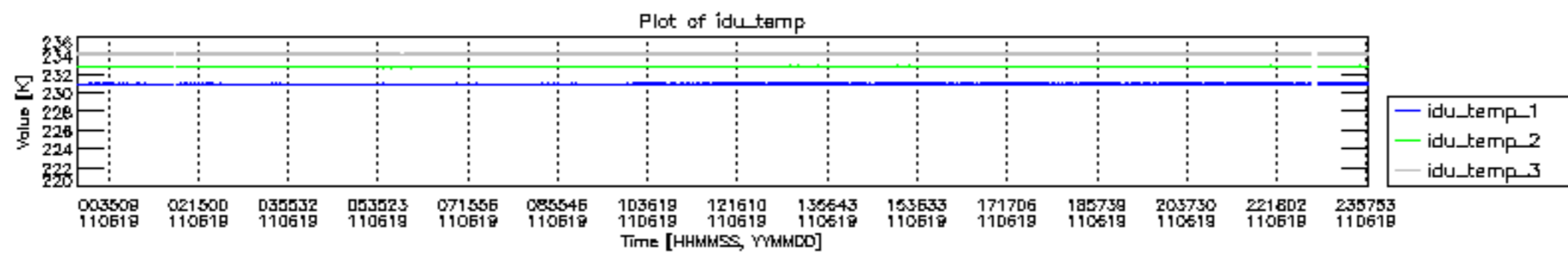
mipas_daily_report_level0_KSPT_L0_4504_N_20110619_12.PNG

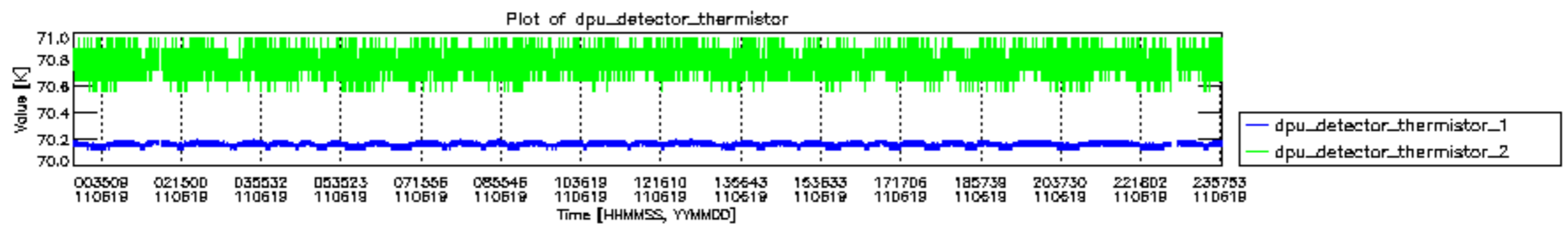


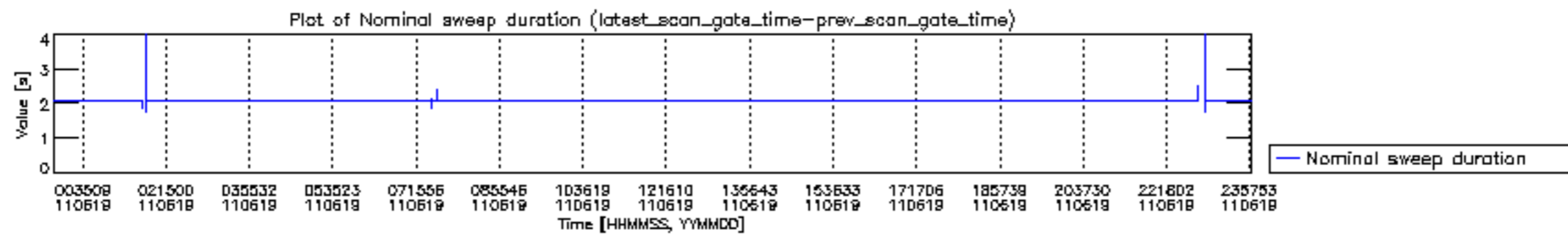
mipas_daily_report_level0_KSPT_L0_4504_N_20110619_13.PNG

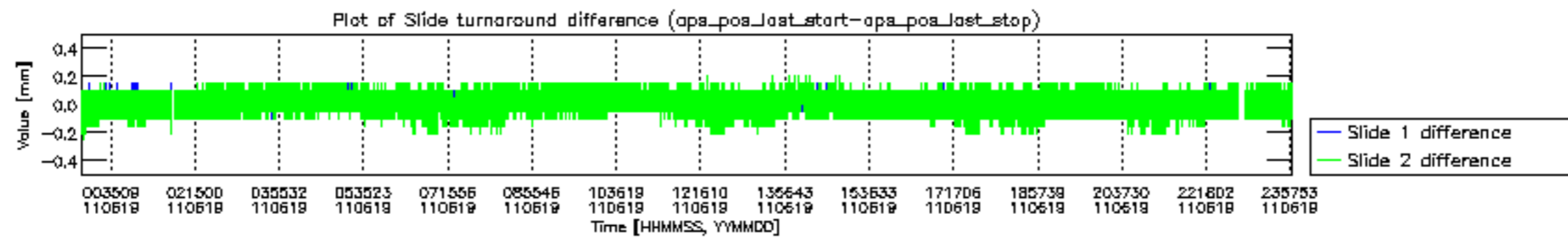


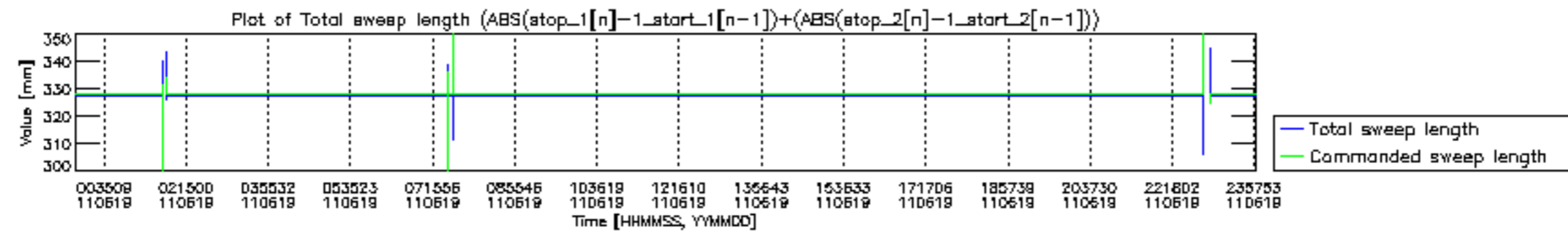


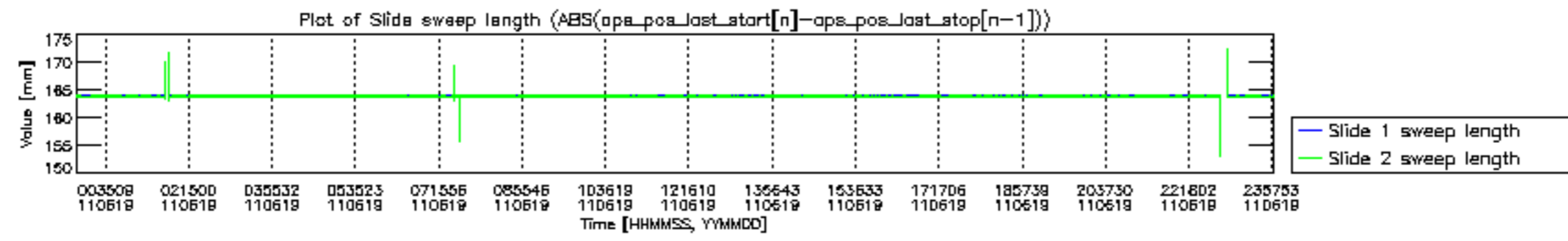


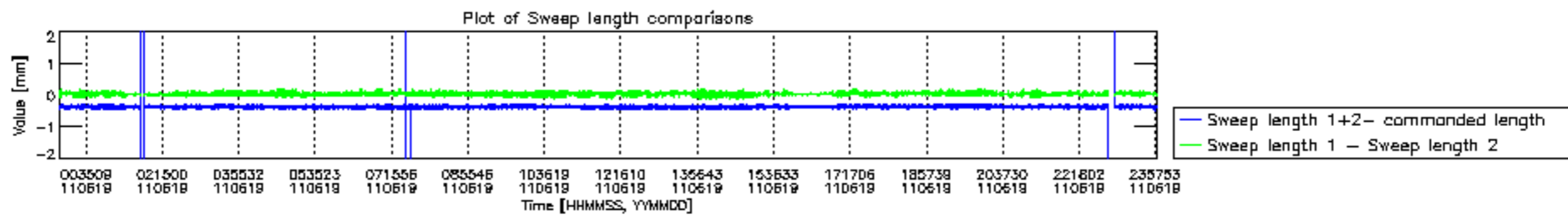


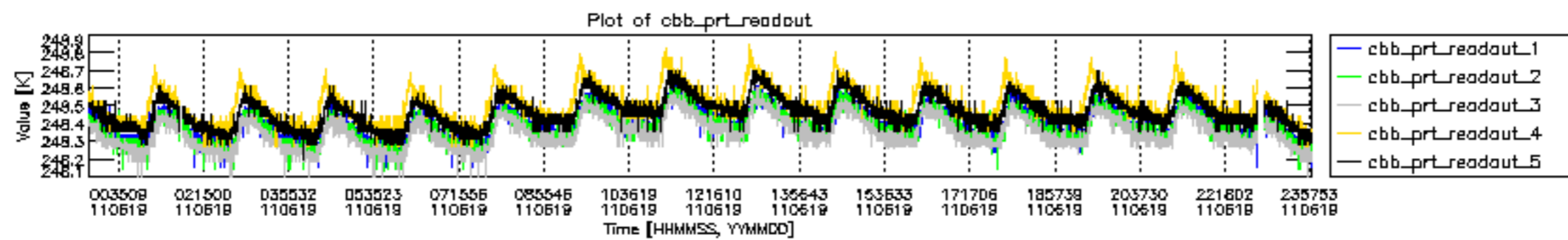


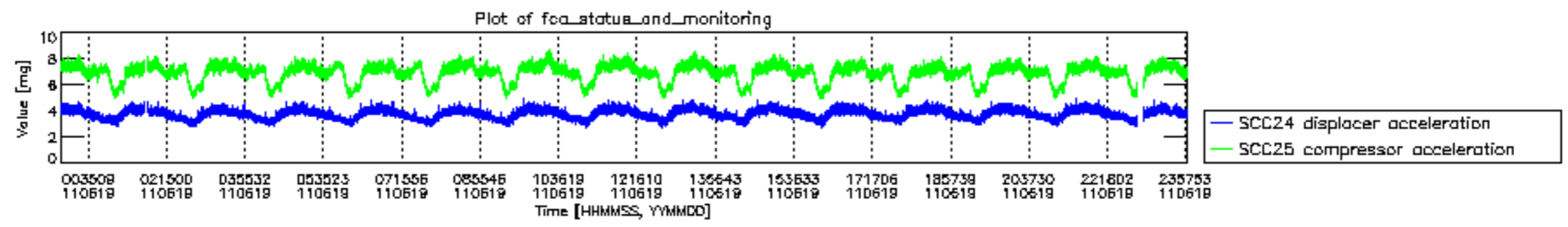












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



