

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	24JUL2011 05:24:19
Data source version	KSPT_L0/4504-N
Processing scope for products	20JUL2011 00:00:00 to 21JUL2011 00:00:00
Start time of first product within scope	20JUL2011 00:54:11
Stop time of last product within scope	21JUL2011 00:20:17
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__0PNPDE20110720_005411_000054683104_00361_49082_9269.N1	20JUL2011 00:54:11	20JUL2011 02:25:19	0	0	0	0	0
1	MIP_NL__0PNPDE20110720_011432_000042473104_00362_49083_9273.N1	20JUL2011 01:14:32	20JUL2011 02:25:19	0	0	0	0	0
2	MIP_NL__0PNPDE20110720_022402_000049303104_00362_49083_9270.N1	20JUL2011 02:24:02	20JUL2011 03:46:12	0	0	0	0	0
3	MIP_NL__0PNPDE20110720_034538_000061633104_00363_49084_9271.N1	20JUL2011 03:45:38	20JUL2011 05:28:21	0	0	0	0	0
4	MIP_NL__0PNPDE20110720_052745_000060773104_00364_49085_9272.N1	20JUL2011 05:27:45	20JUL2011 07:09:02	0	0	0	0	0
5	MIP_NL__0PNPDK20110720_070831_000040333104_00365_49086_5820.N1	20JUL2011 07:08:31	20JUL2011 08:15:44	0	0	0	0	0
6	MIP_NL__0PNPDK20110720_081510_000061463104_00366_49087_5821.N1	20JUL2011 08:15:10	20JUL2011 09:57:36	0	0	0	0	0
7	MIP_NL__0PNPDK20110720_095652_000059683104_00367_49088_5822.N1	20JUL2011 09:56:52	20JUL2011 11:36:21	0	0	0	0	0
8	MIP_NL__0PNPDK20110720_113547_000059863104_00368_49089_5823.N1	20JUL2011 11:35:47	20JUL2011 13:15:33	0	0	0	0	0
9	MIP_NL__0PNPDK20110720_131459_000058603104_00369_49090_5824.N1	20JUL2011 13:14:59	20JUL2011 14:52:39	0	0	0	0	0
10	MIP_NL__0PNPDK20110720_145155_000059273104_00370_49091_5825.N1	20JUL2011 14:51:55	20JUL2011 16:30:42	0	0	0	0	0
11	MIP_NL__0PNPDK20110720_162958_000058223104_00371_49092_5826.N1	20JUL2011 16:29:58	20JUL2011 18:07:00	0	0	0	0	0
12	MIP_NL__0PNPDK20110720_180606_000059313104_00372_49093_5827.N1	20JUL2011 18:06:06	20JUL2011 19:44:57	0	0	0	0	0
13	MIP_NL__0PNPDE20110720_194323_000042703104_00373_49094_9274.N1	20JUL2011 19:43:23	20JUL2011 20:54:33	0	0	0	0	0
14	MIP_NL__0PNPDE20110720_205324_000063363104_00373_49094_9275.N1	20JUL2011 20:53:24	20JUL2011 22:39:00	0	0	0	0	0
15	MIP_NL__0PNPDE20110720_223803_000061333104_00374_49095_9276.N1	20JUL2011 22:38:03	21JUL2011 00:20:17	0	0	0	0	0

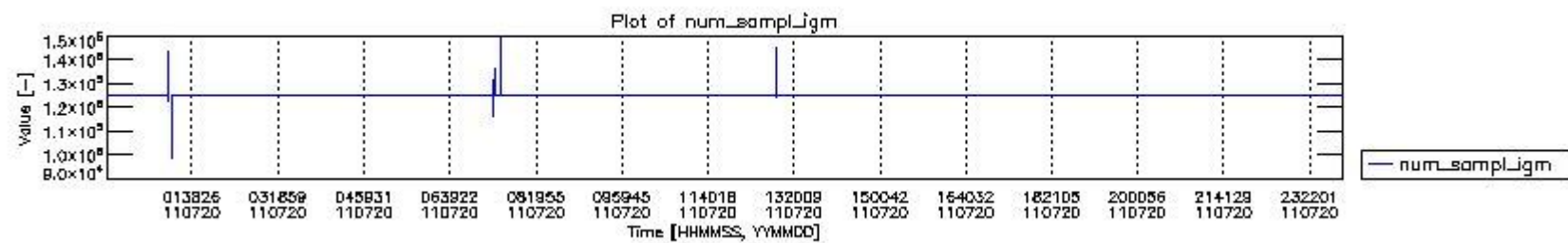
0.2 Instrument Operational Performance Parameters

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.

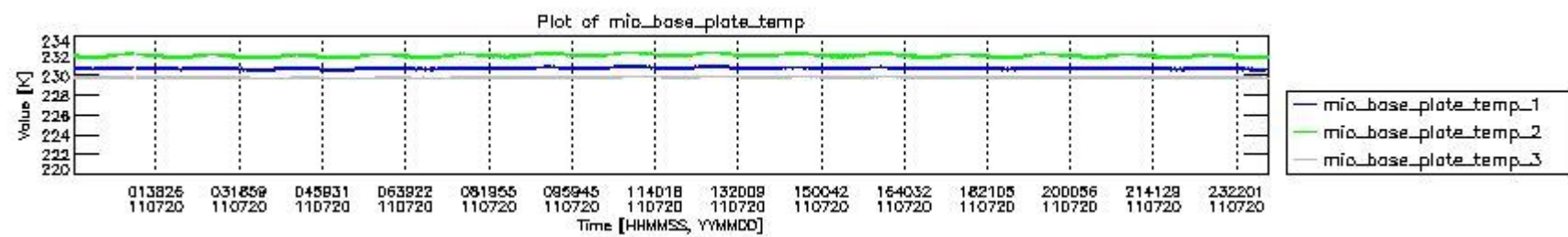
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98773	1	0.0024126034
116454	1	0.0024126034

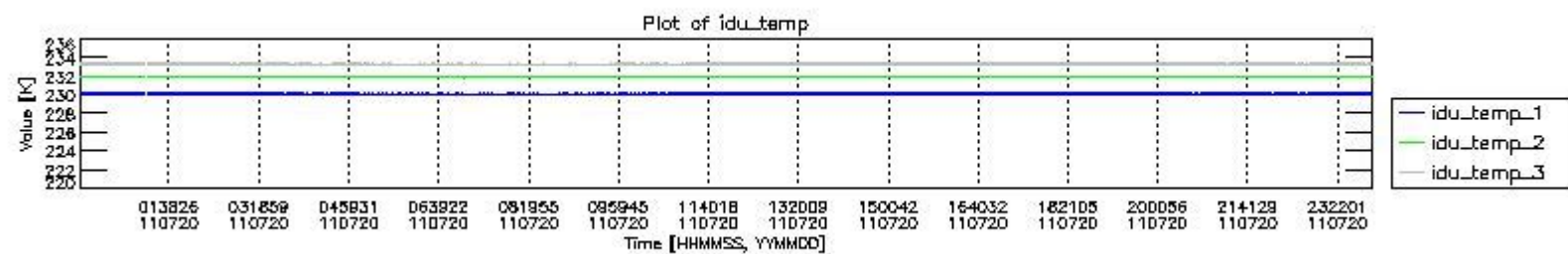
123144	1	0.0024126034
123250	1	0.0024126034
124025	1	0.0024126034
124706	1	0.0024126034
124800	38499	92.882820
124803	2935	7.0809911
127308	1	0.0024126034
128240	1	0.0024126034
136586	1	0.0024126034
141620	1	0.0024126034
143276	1	0.0024126034
144744	1	0.0024126034
144838	1	0.0024126034
147440	1	0.0024126034
149948	1	0.0024126034



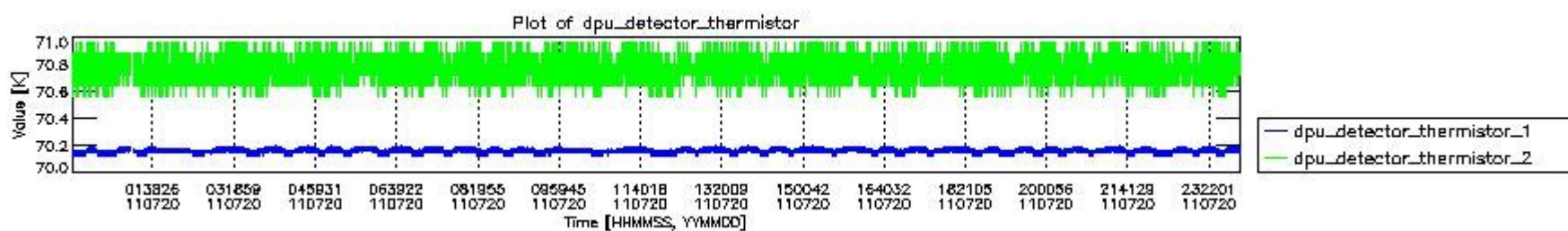
mipas_daily_report_level0_KSPT_L0_4504_N_20110720_0.PNG



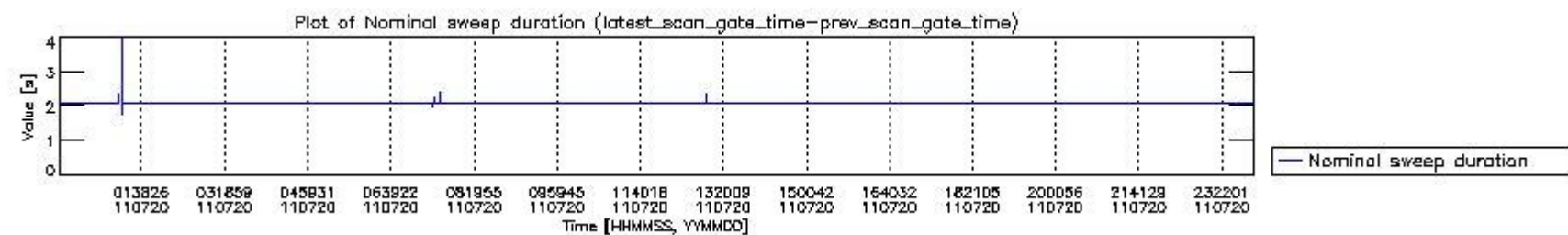
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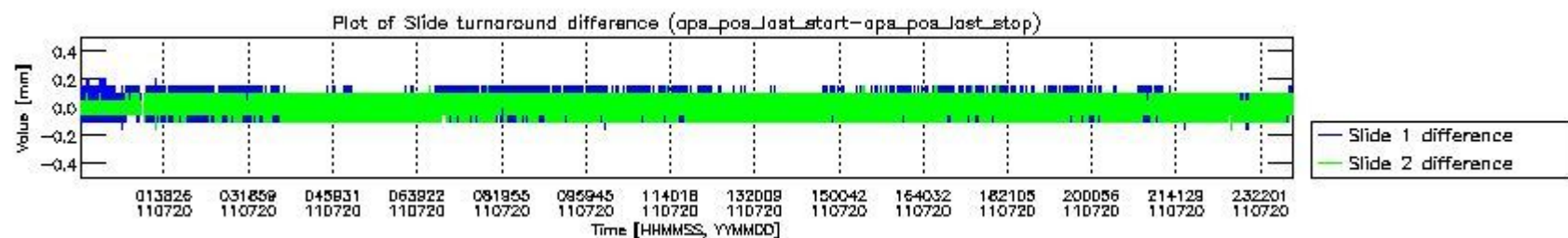
mipas_daily_report_level0_KSPT_L0_4504_N_20110720_2.PNG



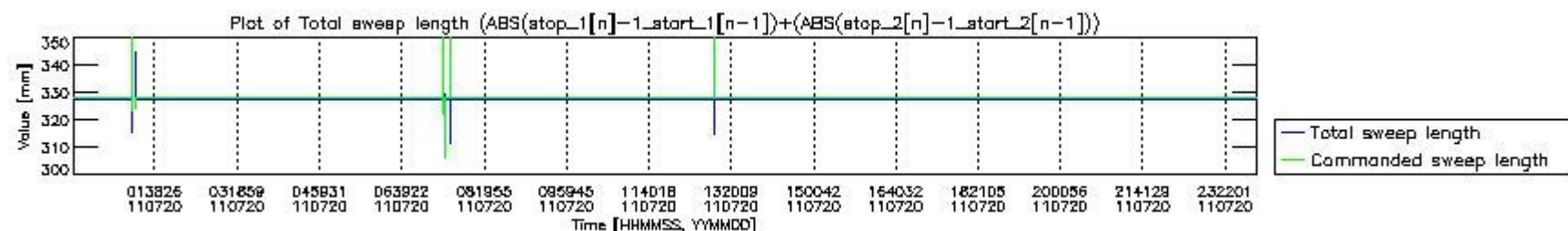
mipas_daily_report_level0_KSPT_L0_4504_N_20110720_3.PNG



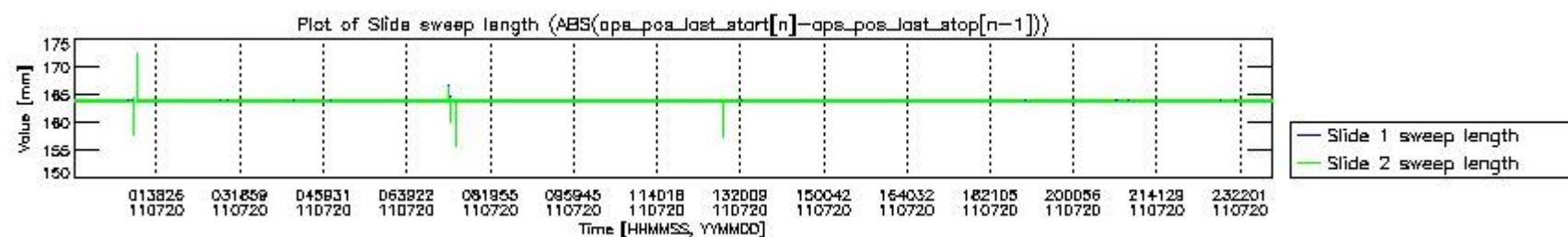
mipas_daily_report_level0_KSPT_L0_4504_N_20110720_4.PNG



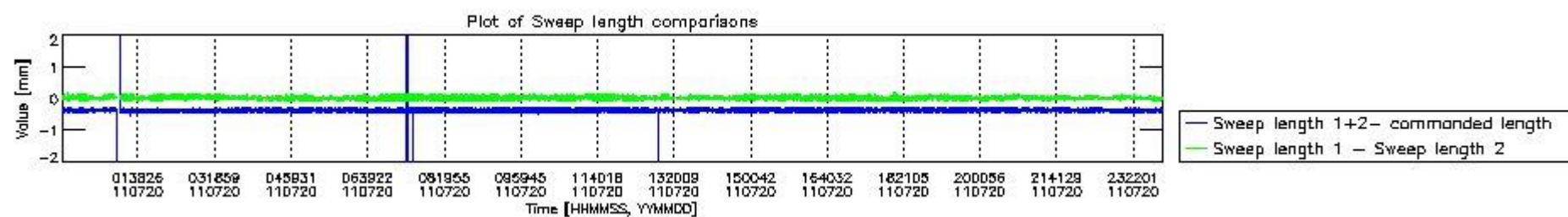
mipas_daily_report_level0_KSPT_L0_4504_N_20110720_5.PNG



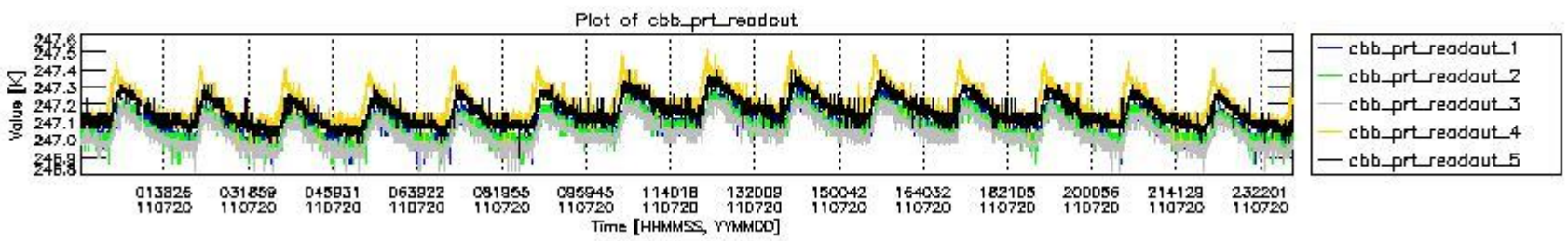
mipas_daily_report_level0_KSPT_L0_4504_N_20110720_6.PNG



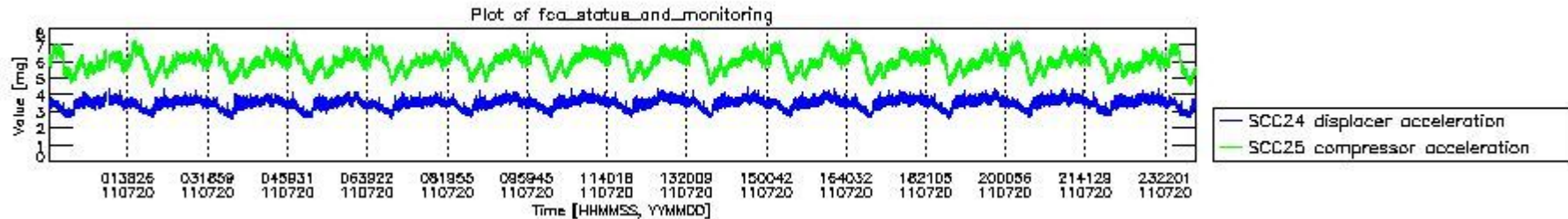
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mipas_daily_report_level0_KSPT_L0_4504_N_20110720_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110720_9.PNG

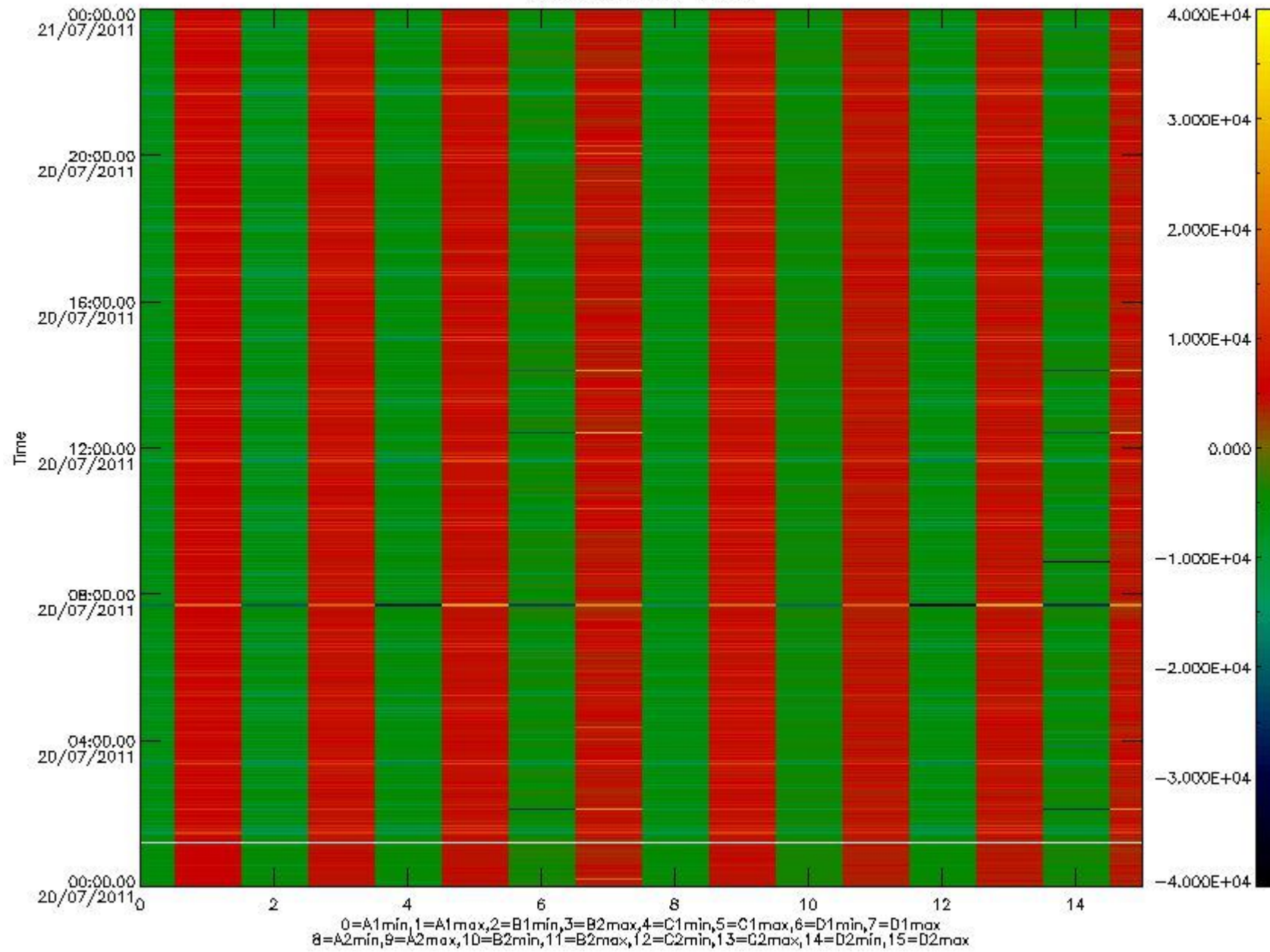


mipas_daily_report_level0_KSPT_L0_4504_N_20110720_10.PNG

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

Channel	Min	Max	ADC
A1	-18753	19895	16bit
B1	-21527	18430	16bit
C1	-27438	27374	16bit
D1	-32768	32767	16bit
A2	-16213	20091	16bit
B2	-19856	19428	16bit
C2	-28499	28190	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_20110720_11.PNG

0.3 ADF monitoring

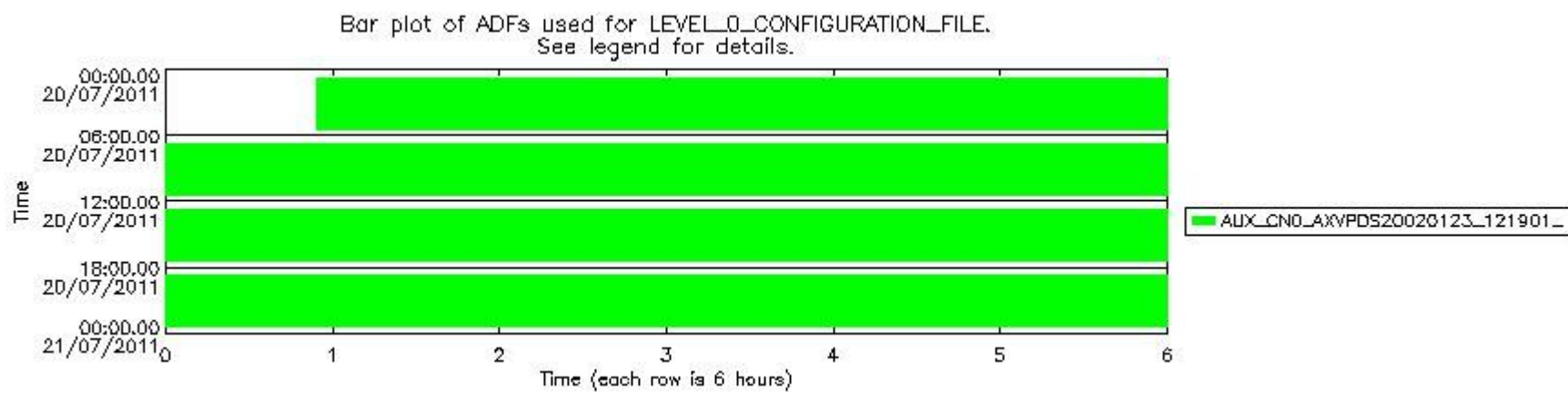
The use of ADFs is shown in two ways:

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.

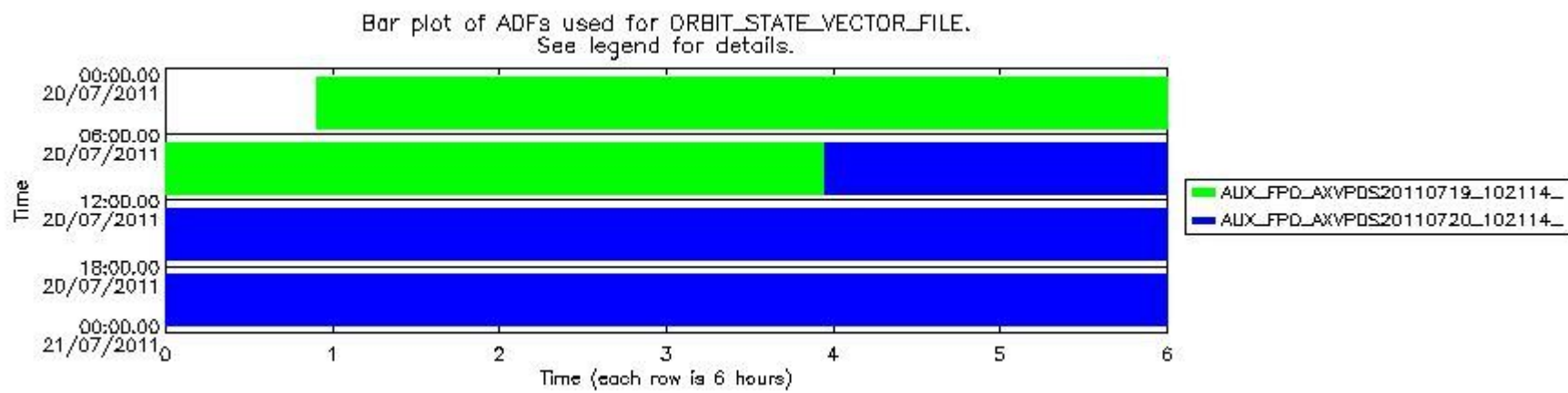
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110719_102114_20110718_190231_20110728_211618
2	AUX_FPO_AXVPDS20110720_102114_20110719_182547_20110729_203934

Number	Product name	#CN0	#FPO
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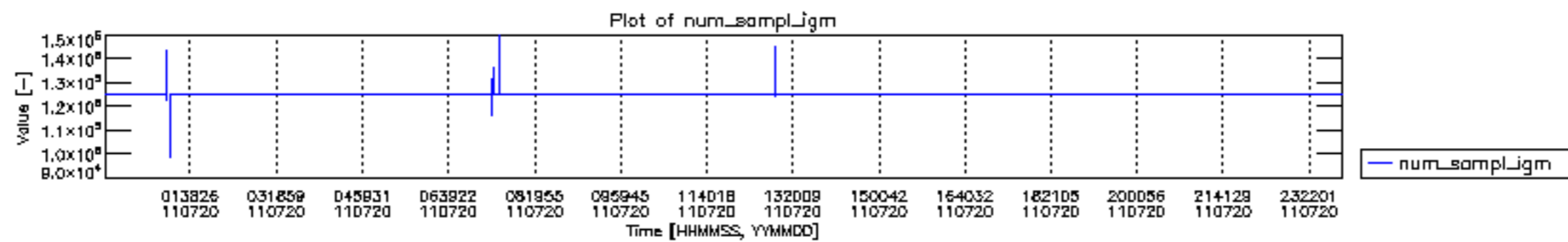
0	MIP_NL__0PNPDE20110720_005411_000054683104_00361_49082_9269.N1	0	1
1	MIP_NL__0PNPDE20110720_011432_000042473104_00362_49083_9273.N1	0	1
2	MIP_NL__0PNPDE20110720_022402_000049303104_00362_49083_9270.N1	0	1
3	MIP_NL__0PNPDE20110720_034538_000061633104_00363_49084_9271.N1	0	1
4	MIP_NL__0PNPDE20110720_052745_000060773104_00364_49085_9272.N1	0	1
5	MIP_NL__0PNPDK20110720_070831_000040333104_00365_49086_5820.N1	0	1
6	MIP_NL__0PNPDK20110720_081510_000061463104_00366_49087_5821.N1	0	1
7	MIP_NL__0PNPDK20110720_095652_000059683104_00367_49088_5822.N1	0	2
8	MIP_NL__0PNPDK20110720_113547_000059863104_00368_49089_5823.N1	0	2
9	MIP_NL__0PNPDK20110720_131459_000058603104_00369_49090_5824.N1	0	2
10	MIP_NL__0PNPDK20110720_145155_000059273104_00370_49091_5825.N1	0	2
11	MIP_NL__0PNPDK20110720_162958_000058223104_00371_49092_5826.N1	0	2
12	MIP_NL__0PNPDK20110720_180606_000059313104_00372_49093_5827.N1	0	2
13	MIP_NL__0PNPDE20110720_194323_000042703104_00373_49094_9274.N1	0	2
14	MIP_NL__0PNPDE20110720_205324_000063363104_00373_49094_9275.N1	0	2
15	MIP_NL__0PNPDE20110720_223803_000061333104_00374_49095_9276.N1	0	2

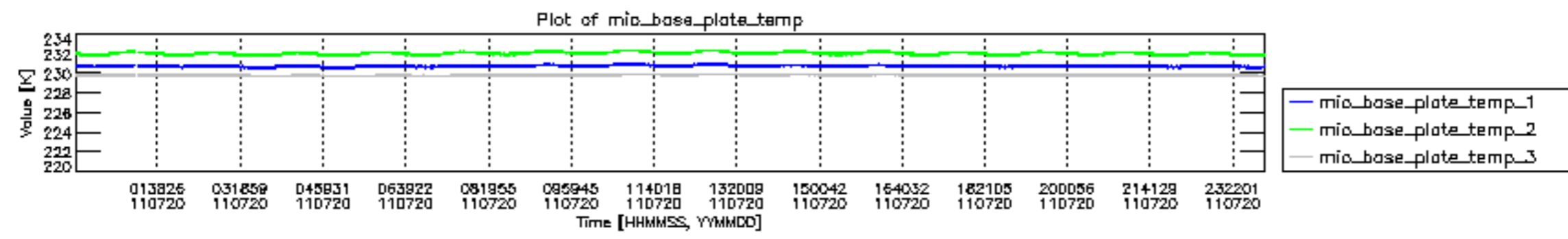


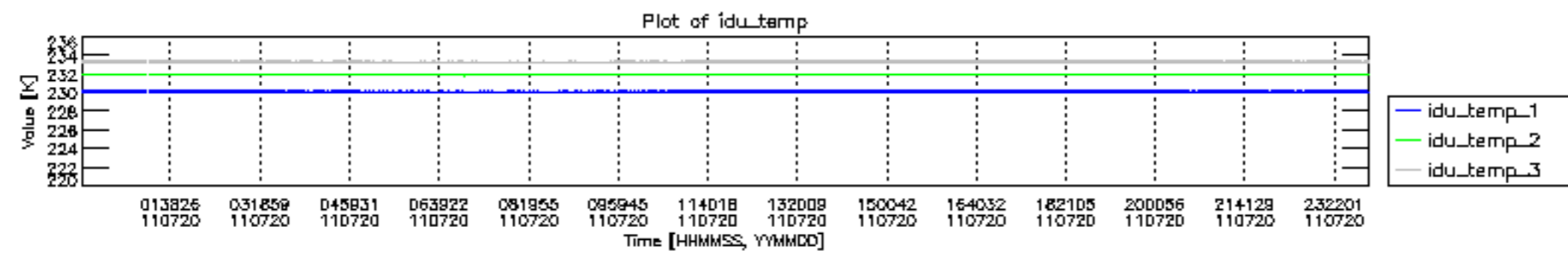
mipas_daily_report_level0_KSPT_L0_4504_N_20110720_12.PNG

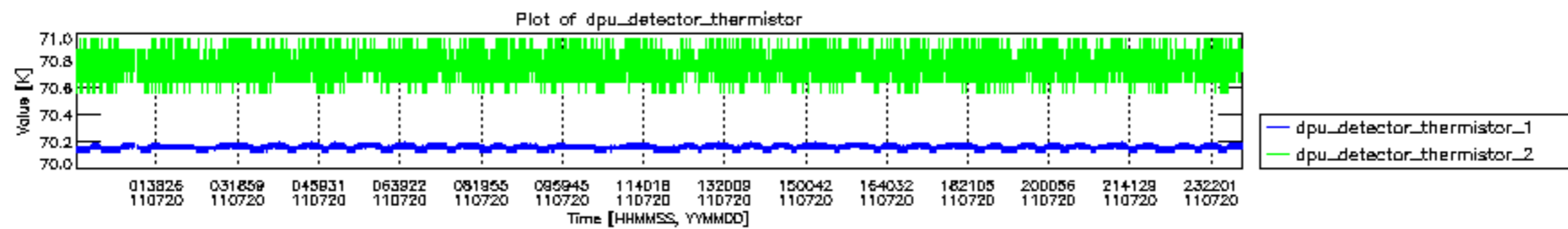


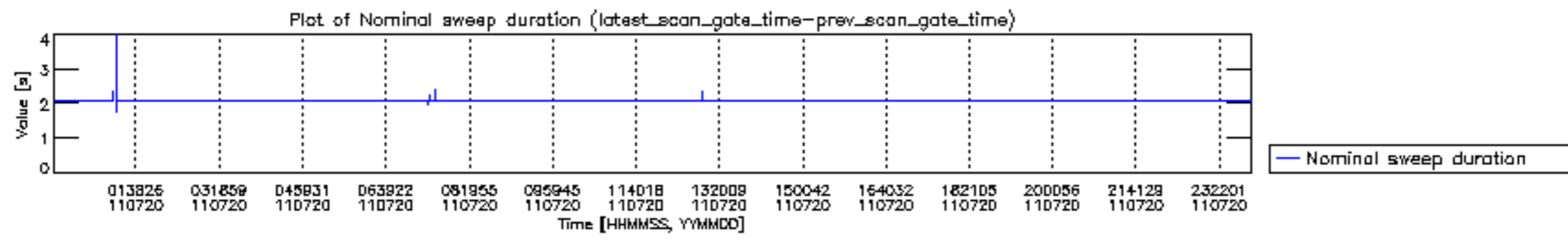
mipas_daily_report_level0_KSPT_L0_4504_N_20110720_13.PNG

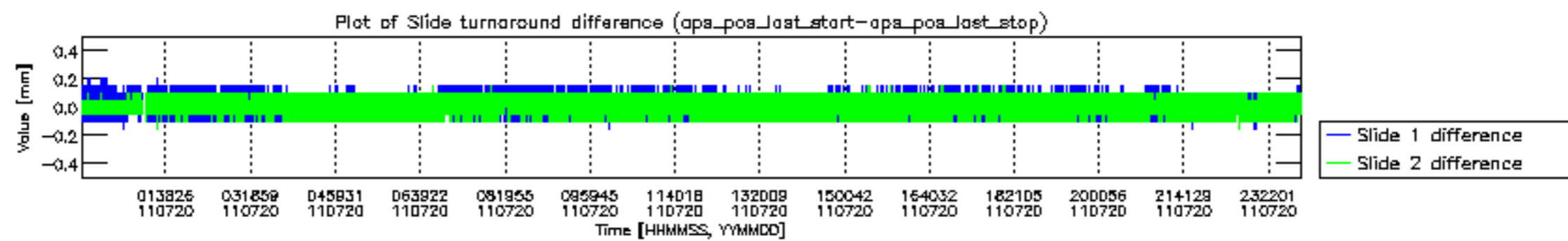


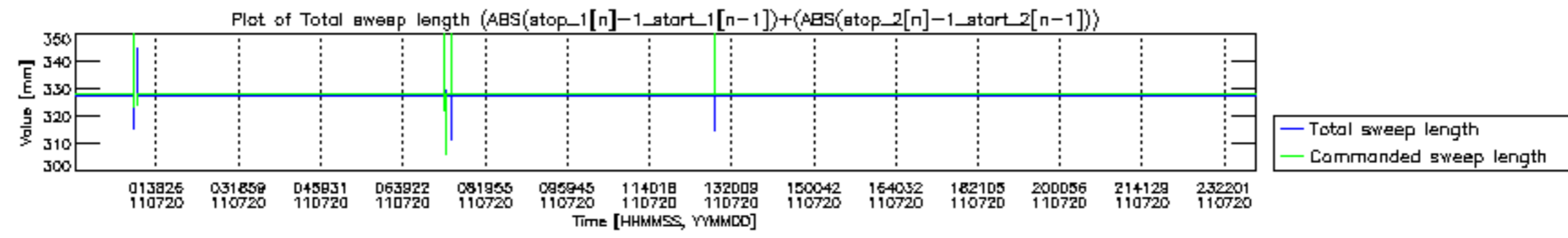


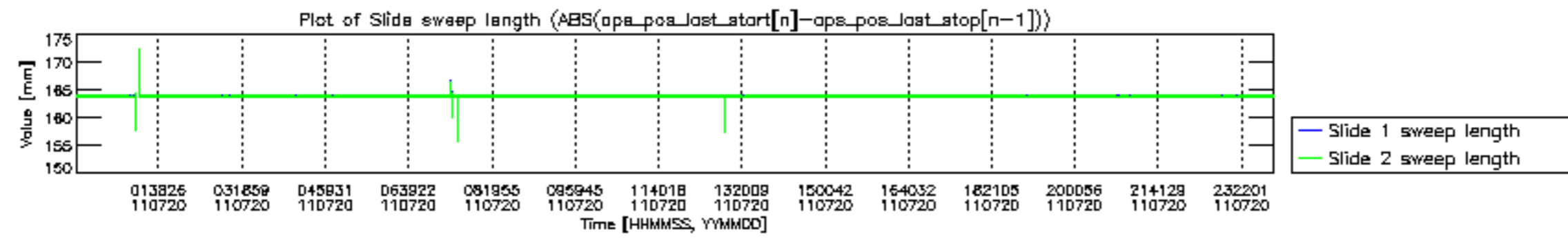


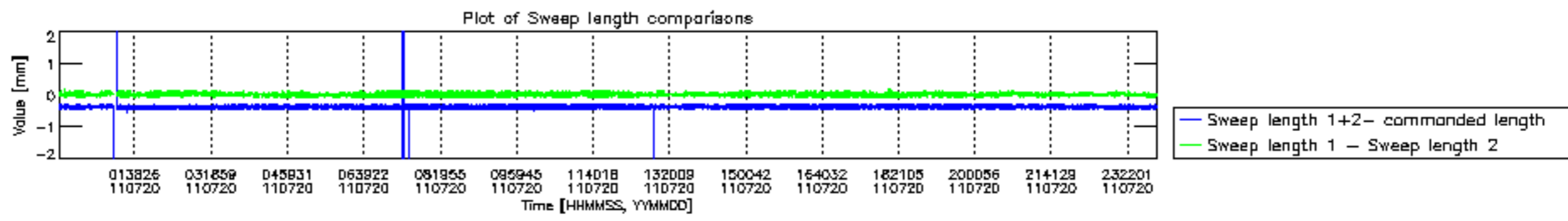


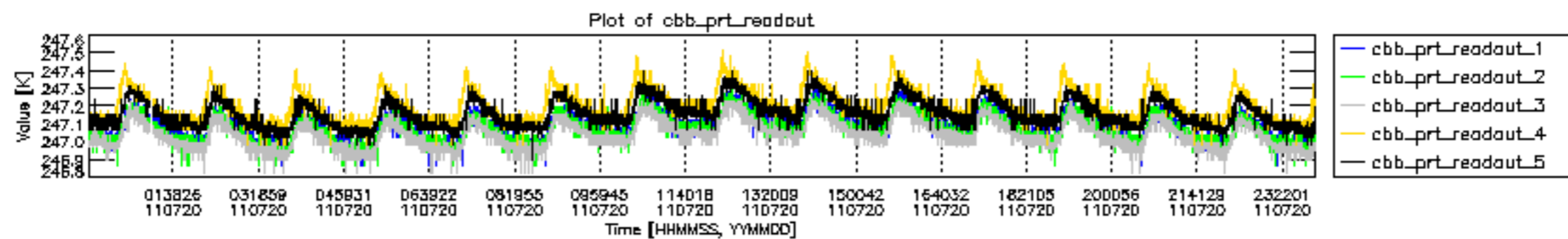


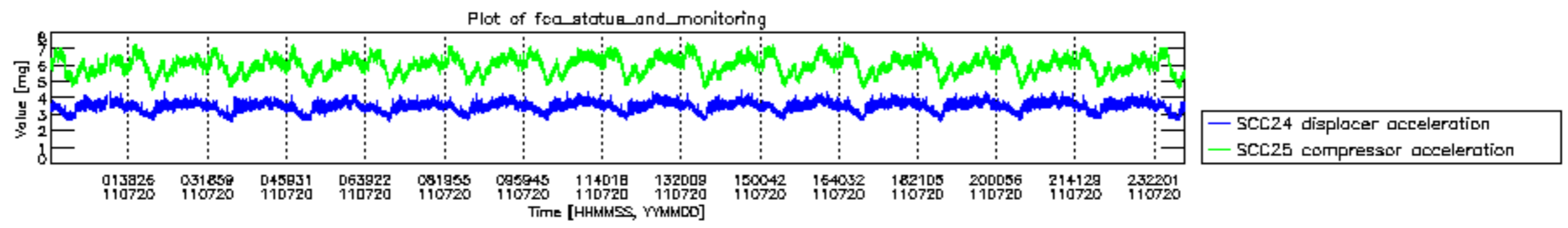












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

