

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	12OCT2011 05:25:00
Data source version	KSPT_L0/4504-N
Processing scope for products	07OCT2011 00:00:00 to 08OCT2011 00:00:00
Start time of first product within scope	07OCT2011 01:00:10
Stop time of last product within scope	08OCT2011 00:24:04
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__0PNPDE20111007_010010_000101823107_00203_50217_9785.N1	07OCT2011 01:00:10	07OCT2011 03:49:52	0	0	0	0	0
1	MIP_NL__0PNPDE20111007_011849_000013873107_00204_50218_9788.N1	07OCT2011 01:18:49	07OCT2011 01:41:57	0	0	0	0	0
2	MIP_NL__0PNPDE20111007_014157_000076753107_00204_50218_9790.N1	07OCT2011 01:41:57	07OCT2011 03:49:52	0	0	0	0	0
3	MIP_NL__0PNPDE20111007_034918_000062483107_00205_50219_9786.N1	07OCT2011 03:49:18	07OCT2011 05:33:26	0	0	0	0	0
4	MIP_NL__0PNPDE20111007_053253_000059913107_00206_50220_9787.N1	07OCT2011 05:32:53	07OCT2011 07:12:44	0	0	0	0	0
5	MIP_NL__0PNPDK20111007_071211_000040443107_00207_50221_7233.N1	07OCT2011 07:12:11	07OCT2011 08:19:35	0	0	0	0	0
6	MIP_NL__0PNPDK20111007_081839_000061623107_00208_50222_7234.N1	07OCT2011 08:18:39	07OCT2011 10:01:21	0	0	0	0	0
7	MIP_NL__0PNPDK20111007_100031_000059743107_00209_50223_7235.N1	07OCT2011 10:00:31	07OCT2011 11:40:05	0	0	0	0	0
8	MIP_NL__0PNPDK20111007_113829_000059723107_00210_50224_7236.N1	07OCT2011 11:38:29	07OCT2011 13:18:02	0	0	0	0	0
9	MIP_NL__0PNPDK20111007_131703_000060213107_00211_50225_7237.N1	07OCT2011 13:17:03	07OCT2011 14:57:24	0	0	0	0	0
10	MIP_NL__0PNPDK20111007_145625_000058243107_00212_50226_7238.N1	07OCT2011 14:56:25	07OCT2011 16:33:29	0	0	0	0	0
11	MIP_NL__0PNPDK20111007_163231_000060163107_00213_50227_7239.N1	07OCT2011 16:32:31	07OCT2011 18:12:47	0	0	0	0	0
12	MIP_NL__0PNPDK20111007_181159_000059013107_00214_50228_7240.N1	07OCT2011 18:11:59	07OCT2011 19:50:21	0	0	0	0	0
13	MIP_NL__0PNPDE20111007_194853_000040633107_00215_50229_9791.N1	07OCT2011 19:48:53	07OCT2011 20:56:36	0	0	0	0	0
14	MIP_NL__0PNPDE20111007_205458_000065663107_00215_50229_9792.N1	07OCT2011 20:54:58	07OCT2011 22:44:24	0	0	0	0	0
15	MIP_NL__0PNPDE20111007_224243_000060813107_00216_50230_9793.N1	07OCT2011 22:42:43	08OCT2011 00:24:04	0	0	0	0	0

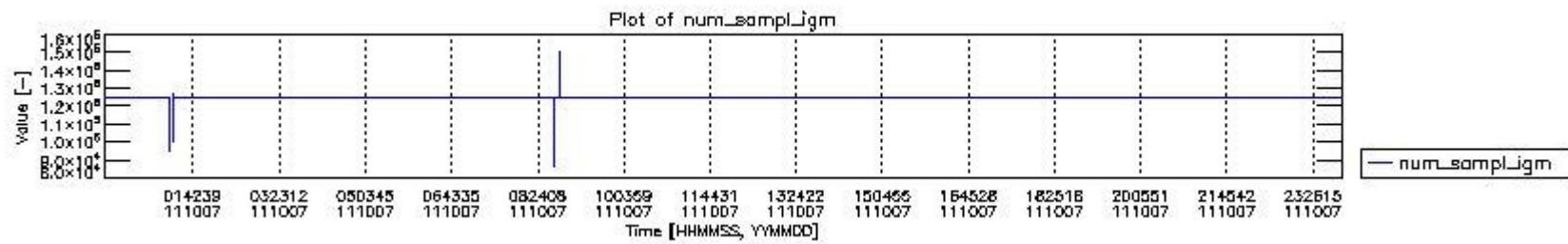
0.2 Instrument Operational Performance Parameters

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.

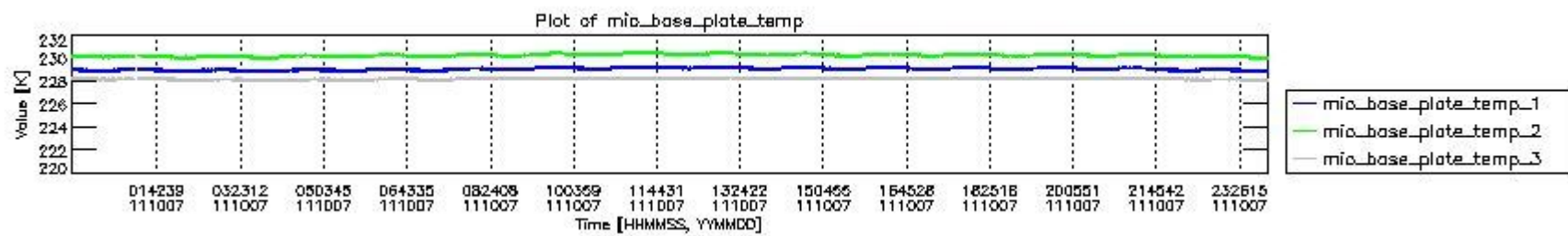
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
86162	1	0.0024086519
95084	1	0.0024086519

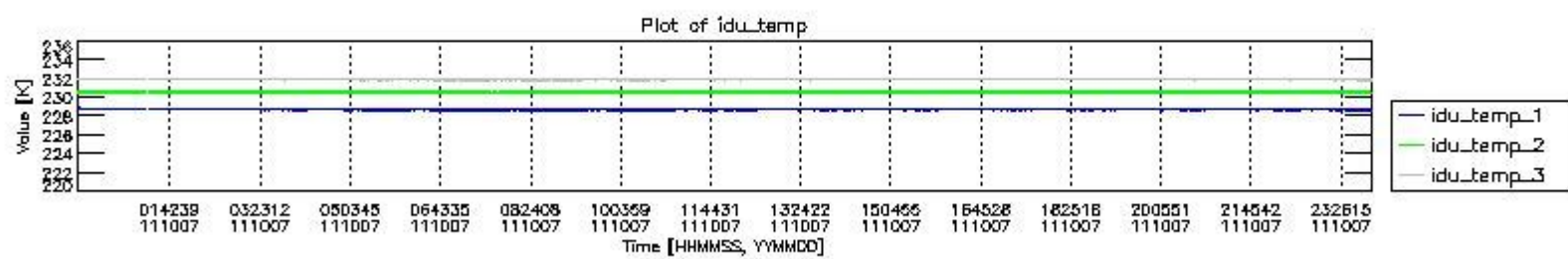
95418	1	0.0024086519
99876	1	0.0024086519
100557	1	0.0024086519
115547	1	0.0024086519
120008	1	0.0024086519
124800	38568	92.896886
124803	2937	7.0742106
125809	1	0.0024086519
126818	1	0.0024086519
127456	1	0.0024086519
147588	1	0.0024086519
150244	1	0.0024086519



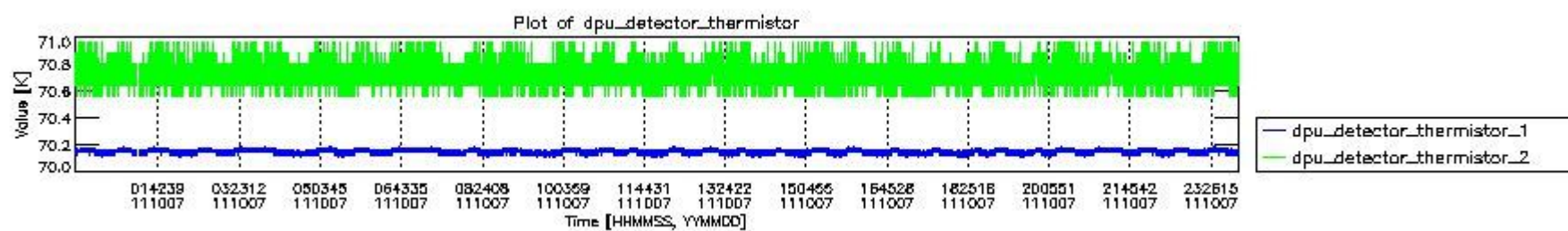
mipas_daily_report_level0_KSPT_L0_4504_N_20111007_0.PNG



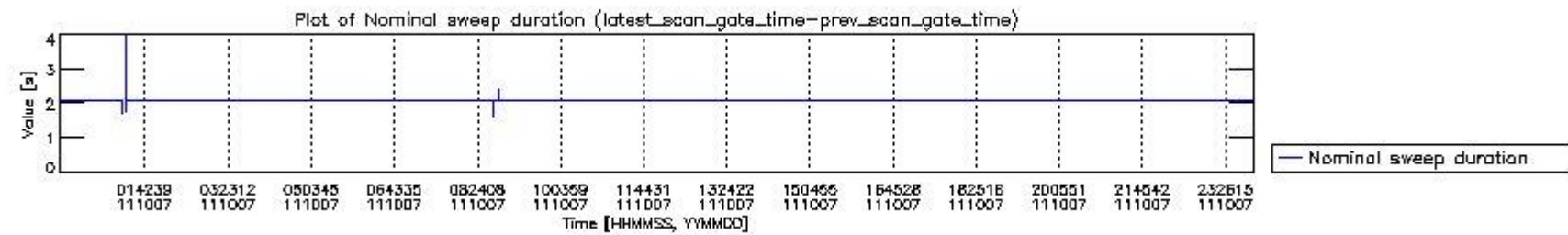
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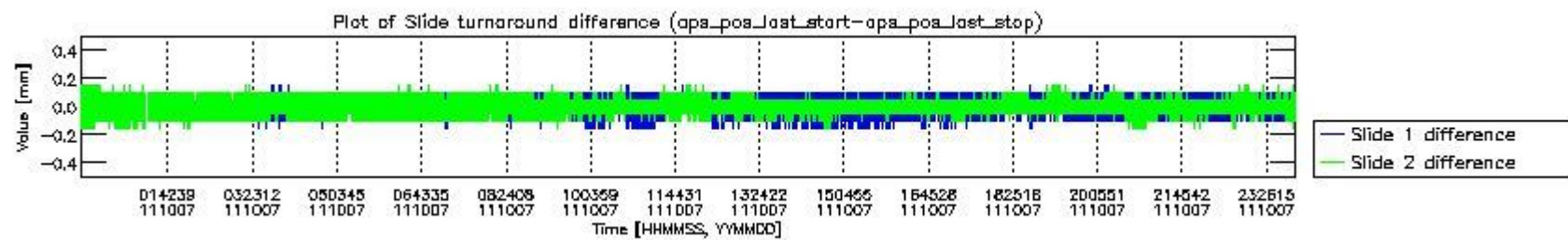
mipas_daily_report_level0_KSPT_L0_4504_N_20111007_2.PNG



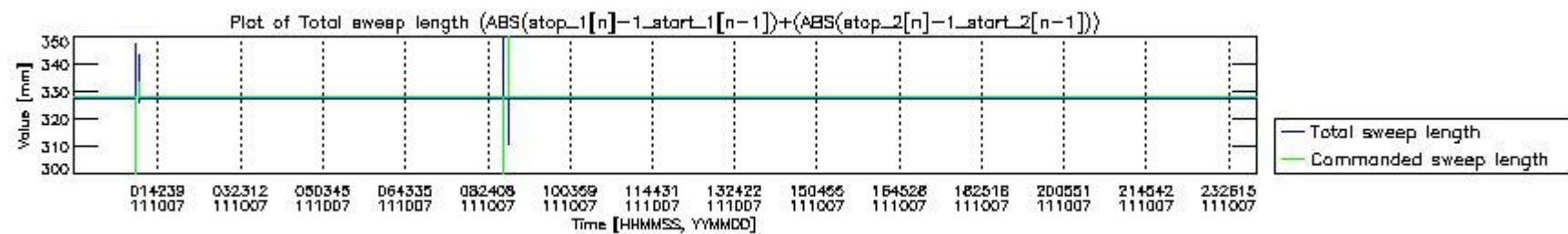
mipas_daily_report_level0_KSPT_L0_4504_N_20111007_3.PNG



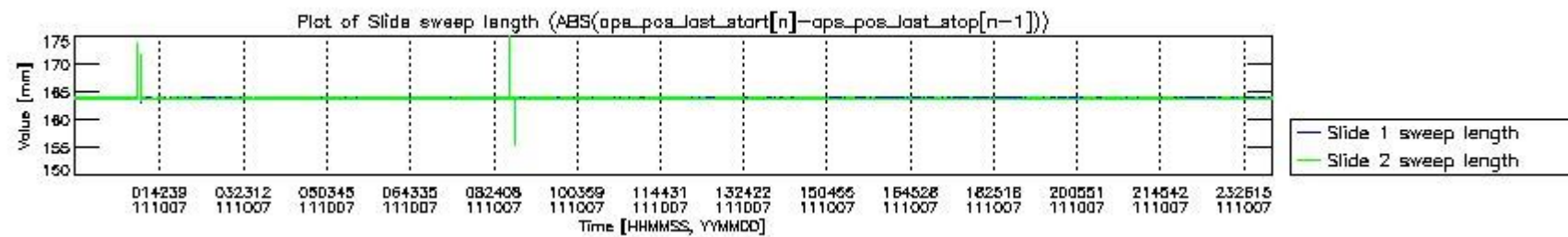
mipas_daily_report_level0_KSPT_L0_4504_N_20111007_4.PNG



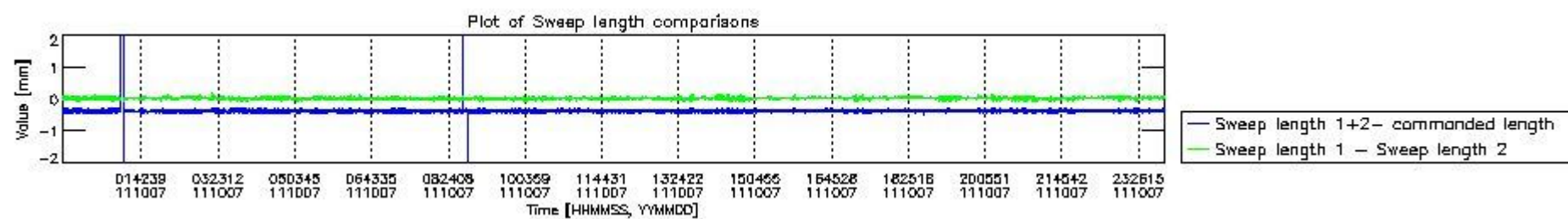
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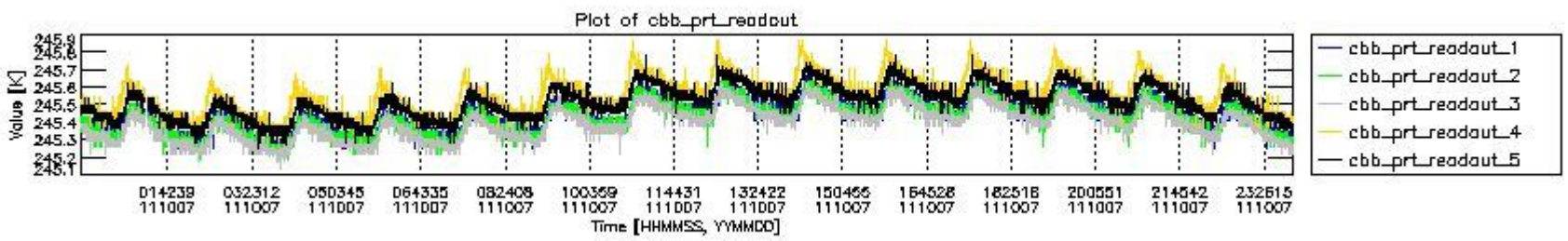
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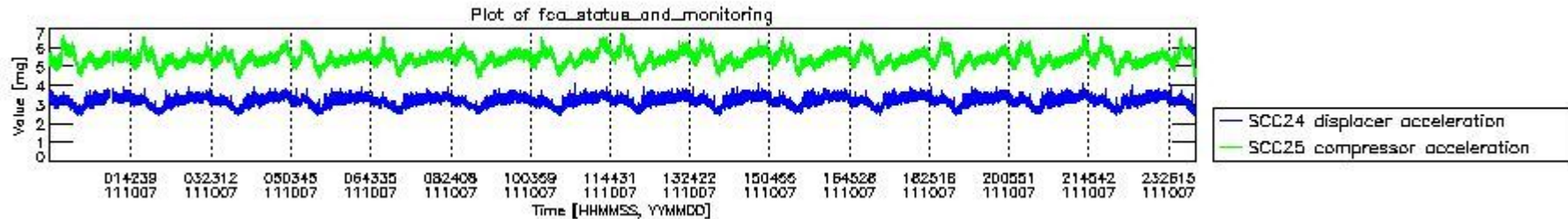
mipas_daily_report_level0_KSPT_L0_4504_N_20111007_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111007_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111007_9.PNG

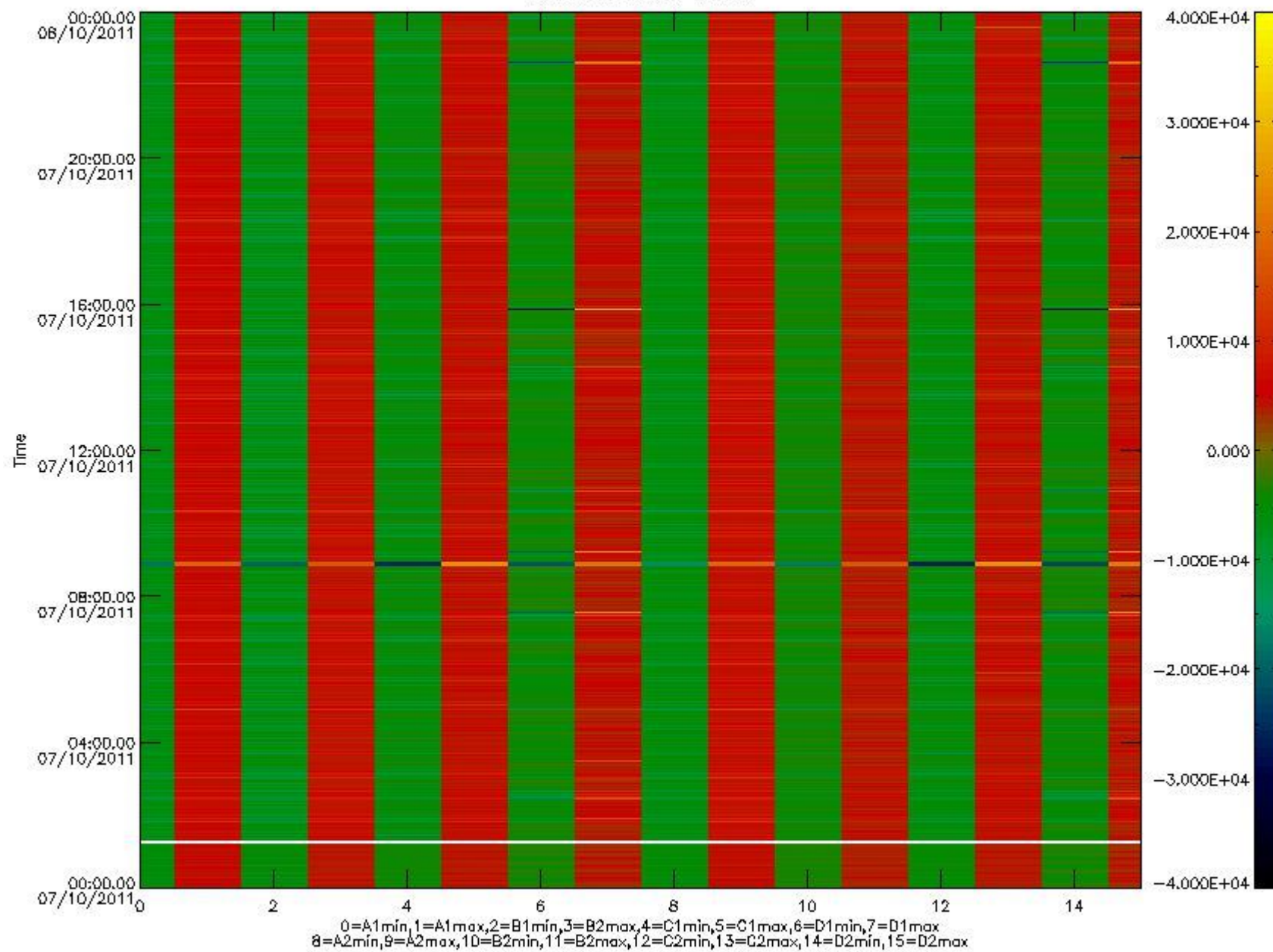


mipas_daily_report_level0_KSPT_L0_4504_N_20111007_10.PNG

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

Channel	Min	Max	ADC
A1	-18134	19239	16bit
B1	-20576	17695	16bit
C1	-25419	25343	16bit
D1	-32768	32767	16bit
A2	-15779	19497	16bit
B2	-18554	18233	16bit
C2	-26491	26095	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_20111007_11.PNG

0.3 ADF monitoring

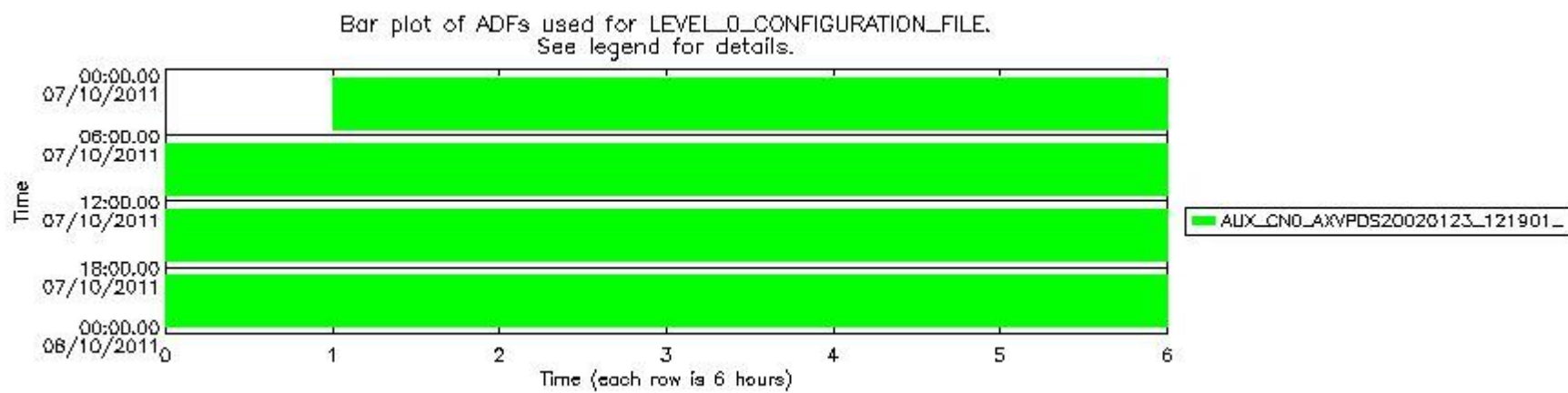
The use of ADFs is shown in two ways:

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.

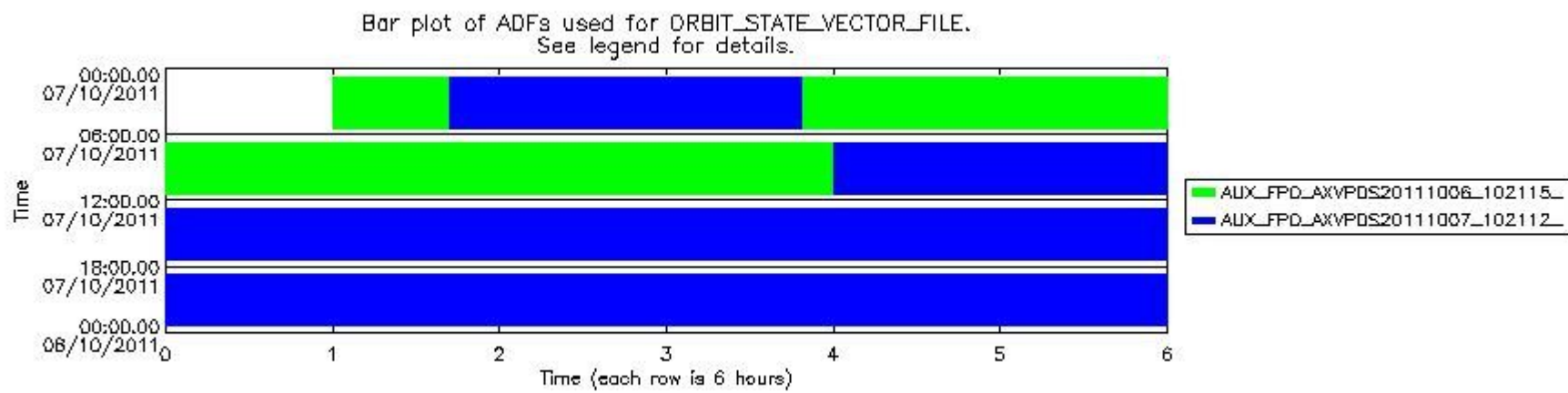
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111006_102115_20111005_190648_20111015_212031
2	AUX_FPO_AXVPDS20111007_102112_20111006_183003_20111016_204346

Number	Product name	#CN0	#FPO
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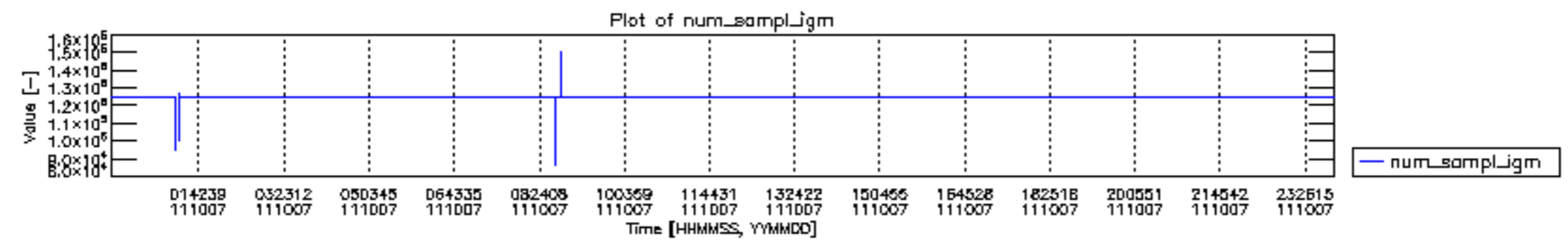
0	MIP_NL__0PNPDE20111007_010010_000101823107_00203_50217_9785.N1	0	1
1	MIP_NL__0PNPDE20111007_011849_000013873107_00204_50218_9788.N1	0	1
2	MIP_NL__0PNPDE20111007_014157_000076753107_00204_50218_9790.N1	0	2
3	MIP_NL__0PNPDE20111007_034918_000062483107_00205_50219_9786.N1	0	1
4	MIP_NL__0PNPDE20111007_053253_000059913107_00206_50220_9787.N1	0	1
5	MIP_NL__0PNPDK20111007_071211_000040443107_00207_50221_7233.N1	0	1
6	MIP_NL__0PNPDK20111007_081839_000061623107_00208_50222_7234.N1	0	1
7	MIP_NL__0PNPDK20111007_100031_000059743107_00209_50223_7235.N1	0	2
8	MIP_NL__0PNPDK20111007_113829_000059723107_00210_50224_7236.N1	0	2
9	MIP_NL__0PNPDK20111007_131703_000060213107_00211_50225_7237.N1	0	2
10	MIP_NL__0PNPDK20111007_145625_000058243107_00212_50226_7238.N1	0	2
11	MIP_NL__0PNPDK20111007_163231_000060163107_00213_50227_7239.N1	0	2
12	MIP_NL__0PNPDK20111007_181159_000059013107_00214_50228_7240.N1	0	2
13	MIP_NL__0PNPDE20111007_194853_000040633107_00215_50229_9791.N1	0	2
14	MIP_NL__0PNPDE20111007_205458_000065663107_00215_50229_9792.N1	0	2
15	MIP_NL__0PNPDE20111007_224243_000060813107_00216_50230_9793.N1	0	2

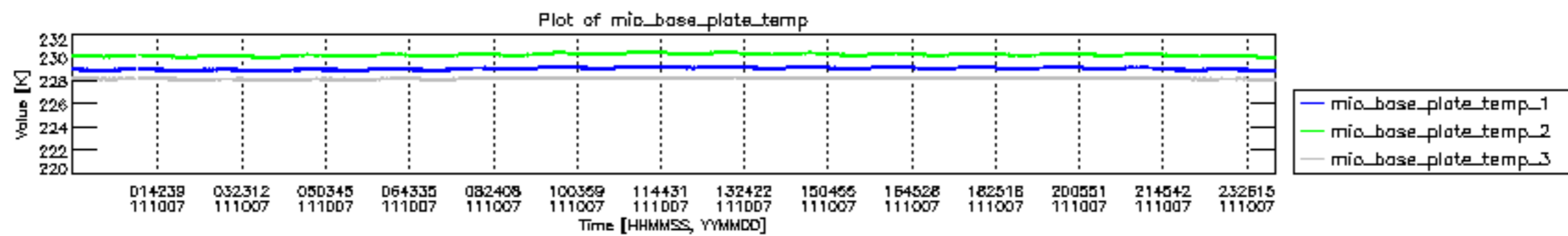


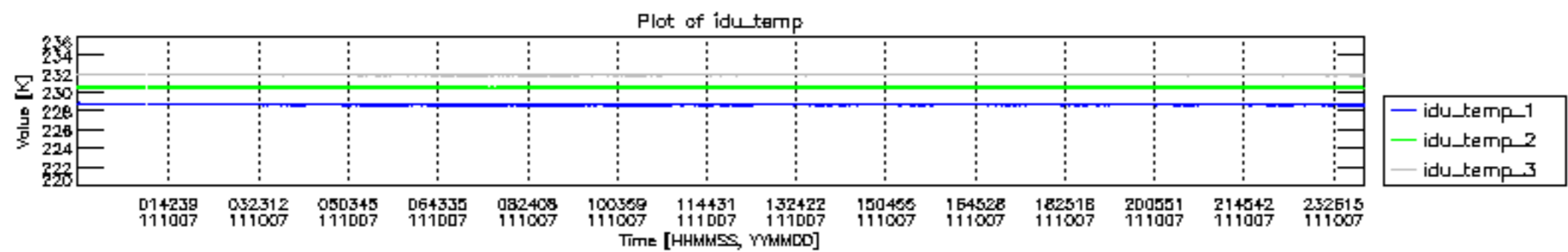
mipas_daily_report_level0_KSPT_L0_4504_N_20111007_12.PNG

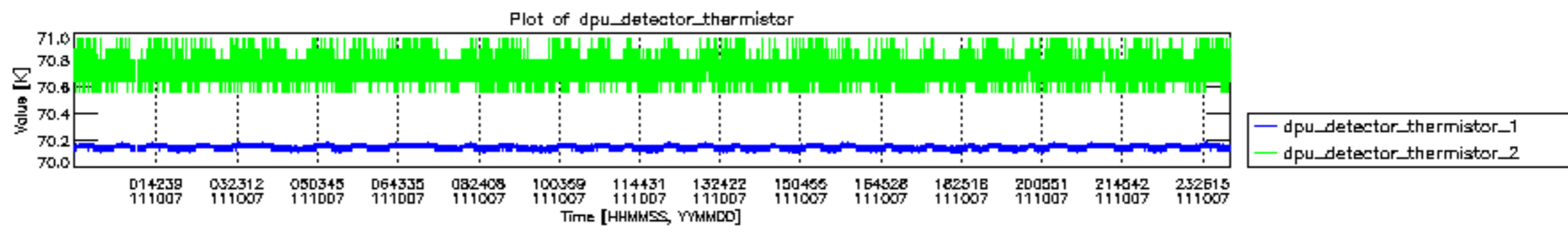


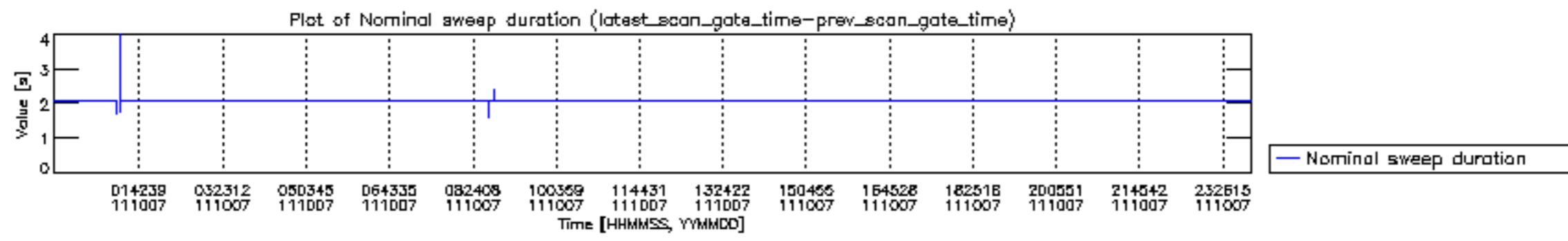
mipas_daily_report_level0_KSPT_L0_4504_N_20111007_13.PNG

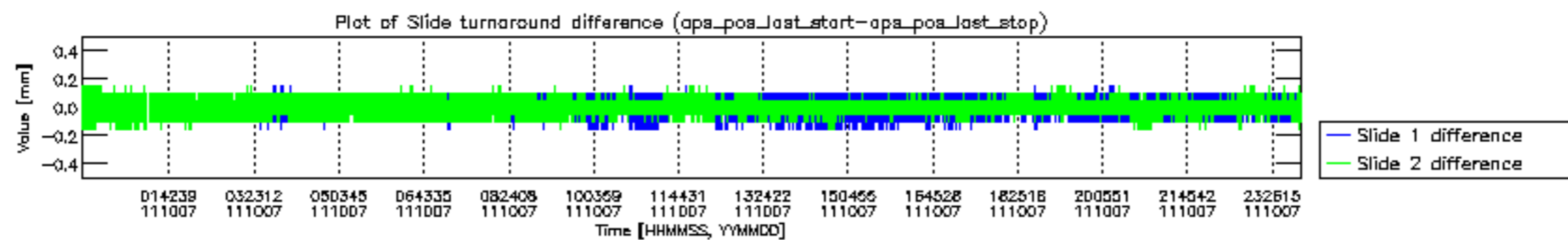


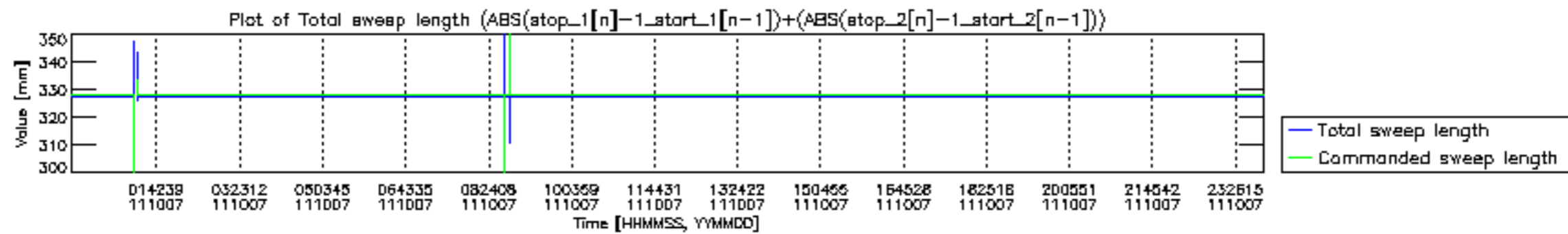


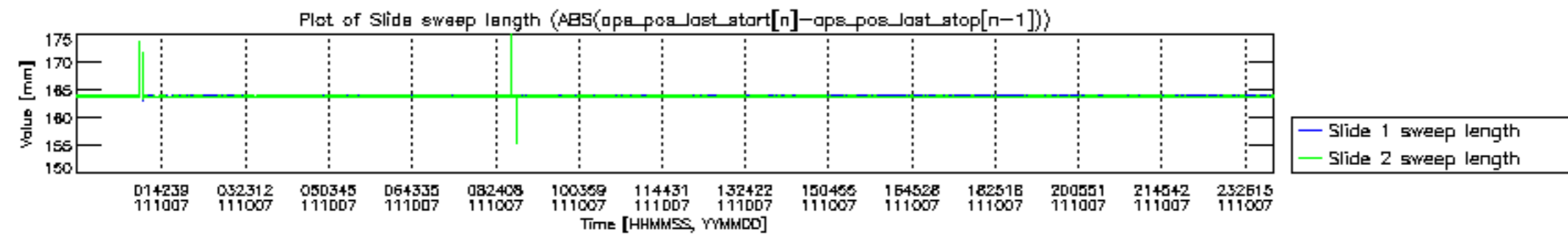


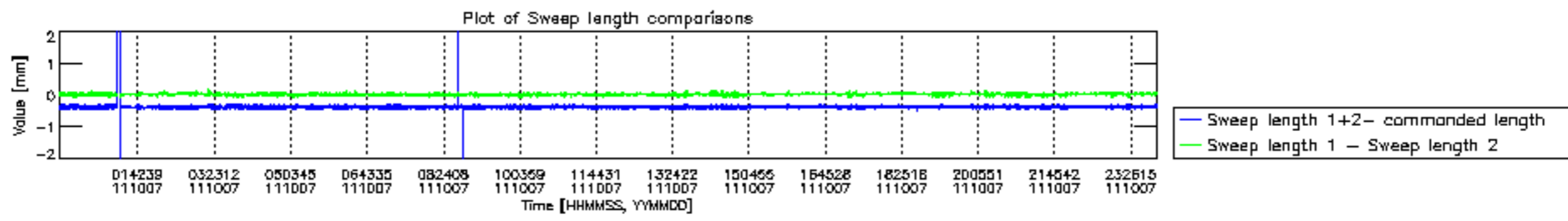


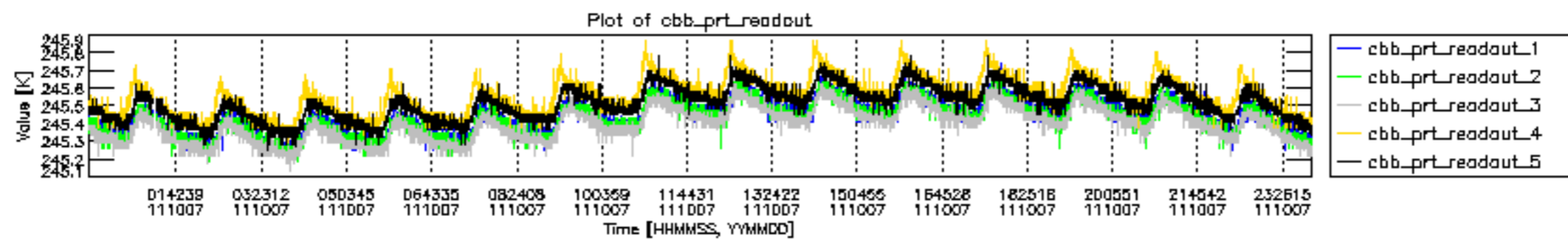


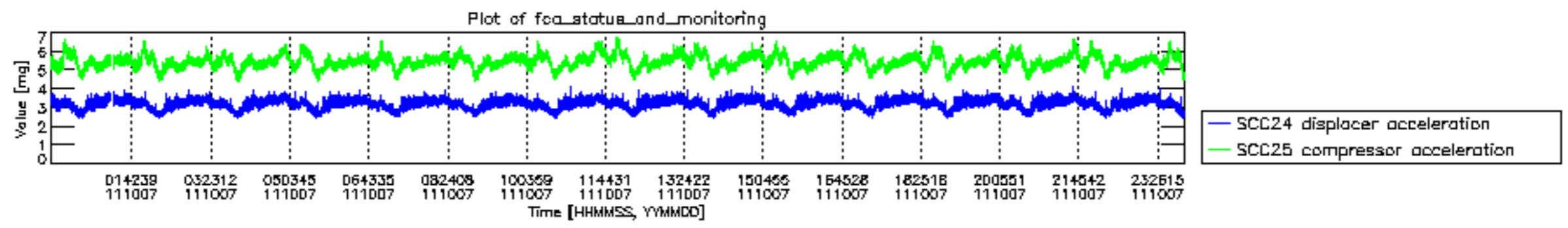












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

