

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	12SEP2011 05:24:50
Data source version	KSPT_L0/4504-N
Processing scope for products	07SEP2011 00:00:00 to 08SEP2011 00:00:00
Start time of first product within scope	07SEP2011 00:58:49
Stop time of last product within scope	08SEP2011 00:24:07
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__0PNPDE20110907_005849_000102703106_00203_49786_9597.N1	07SEP2011 00:58:49	07SEP2011 03:49:59	0	0	0	0	0
1	MIP_NL__0PNPDE20110907_011828_000014023106_00204_49787_4432.N1	07SEP2011 01:18:28	07SEP2011 01:41:50	0	0	0	0	0
2	MIP_NL__0PNPDE20110907_014152_000076883106_00204_49787_4431.N1	07SEP2011 01:41:52	07SEP2011 03:49:59	0	0	0	0	0
3	MIP_NL__0PNPDE20110907_034926_000061673106_00205_49788_9598.N1	07SEP2011 03:49:26	07SEP2011 05:32:13	0	0	0	0	0
4	MIP_NL__0PNPDE20110907_053139_000060643106_00206_49789_9599.N1	07SEP2011 05:31:39	07SEP2011 07:12:44	0	0	0	0	0
5	MIP_NL__0PNPDK20110907_071210_000040713106_00207_49790_6256.N1	07SEP2011 07:12:10	07SEP2011 08:20:02	0	0	0	0	0
6	MIP_NL__0PNPDK20110907_081928_000061403106_00208_49791_6257.N1	07SEP2011 08:19:28	07SEP2011 10:01:49	0	0	0	0	0
7	MIP_NL__0PNPDK20110907_100117_000059373106_00209_49792_6258.N1	07SEP2011 10:01:17	07SEP2011 11:40:14	0	0	0	0	0
8	MIP_NL__0PNPDK20110907_113930_000059663106_00210_49793_6259.N1	07SEP2011 11:39:30	07SEP2011 13:18:57	0	0	0	0	0
9	MIP_NL__0PNPDK20110907_131823_000059503106_00211_49794_6261.N1	07SEP2011 13:18:23	07SEP2011 14:57:33	0	0	0	0	0
10	MIP_NL__0PNPDK20110907_145605_000057933106_00212_49795_6262.N1	07SEP2011 14:56:05	07SEP2011 16:32:38	0	0	0	0	0
11	MIP_NL__0PNPDK20110907_163139_000060393106_00213_49796_6263.N1	07SEP2011 16:31:39	07SEP2011 18:12:19	0	0	0	0	0
12	MIP_NL__0PNPDK20110907_181120_000059813106_00214_49797_6264.N1	07SEP2011 18:11:20	07SEP2011 19:51:01	0	0	0	0	0
13	MIP_NL__0PNPDE20110907_194937_000040843106_00215_49798_9600.N1	07SEP2011 19:49:37	07SEP2011 20:57:41	0	0	0	0	0
14	MIP_NL__0PNPDE20110907_205542_000064883106_00215_49798_9601.N1	07SEP2011 20:55:42	07SEP2011 22:43:51	0	0	0	0	0
15	MIP_NL__0PNPDE20110907_224254_000060733106_00216_49799_9602.N1	07SEP2011 22:42:54	08SEP2011 00:24:07	0	0	0	0	0

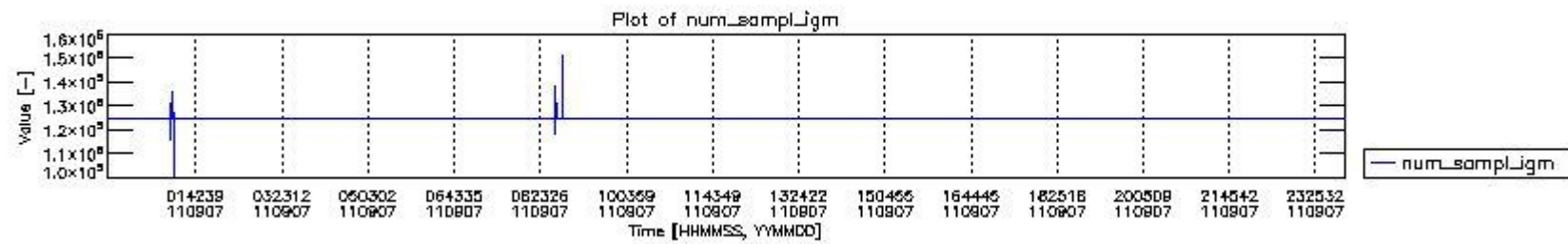
0.2 Instrument Operational Performance Parameters

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.

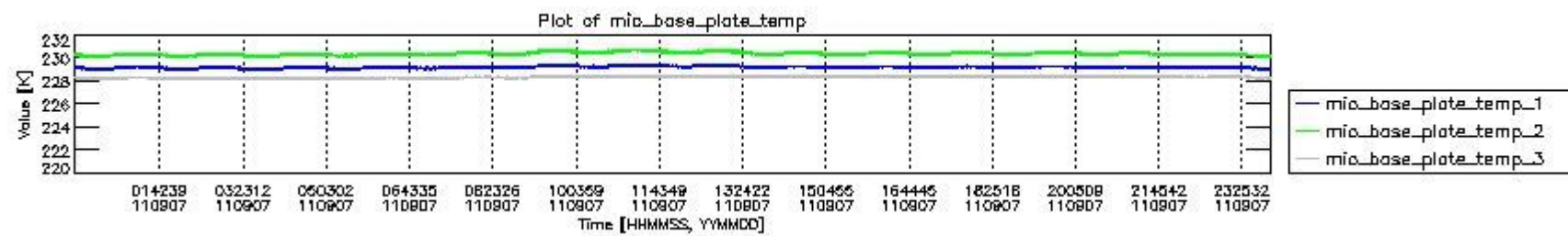
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100557	1	0.0024088840
115933	1	0.0024088840

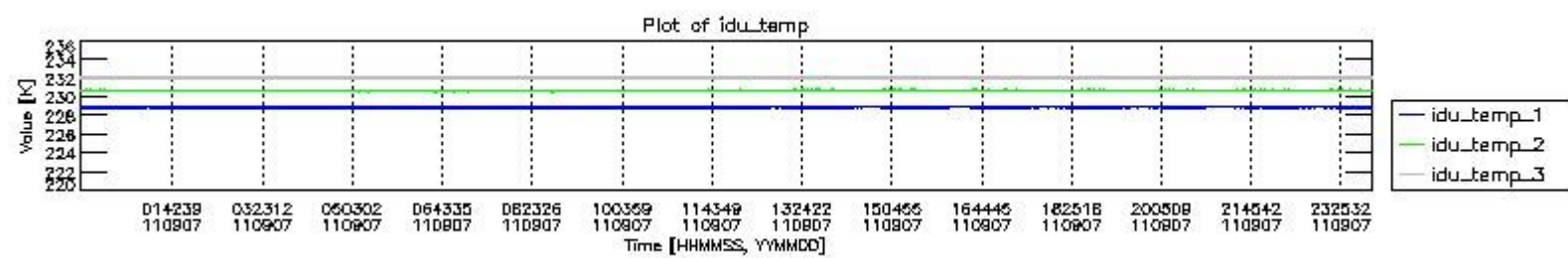
118017	1	0.0024088840
124800	38564	92.896201
124803	2937	7.0748922
125809	1	0.0024088840
126818	1	0.0024088840
127198	1	0.0024088840
127754	1	0.0024088840
131360	1	0.0024088840
136065	1	0.0024088840
138146	1	0.0024088840
147886	1	0.0024088840
150840	1	0.0024088840



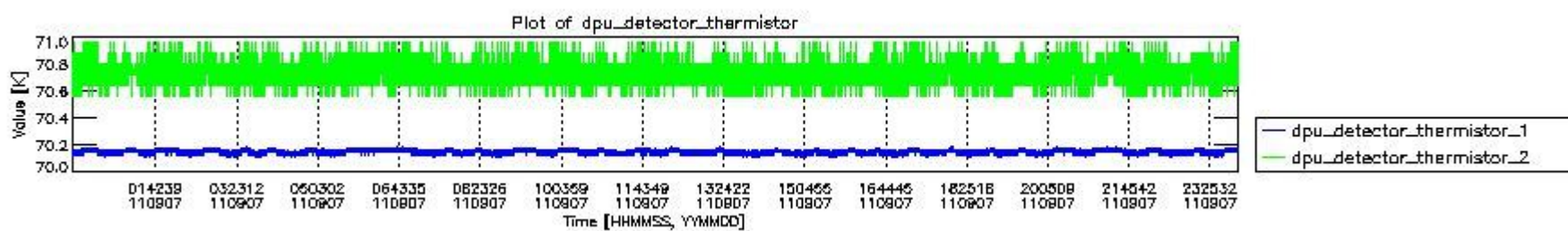
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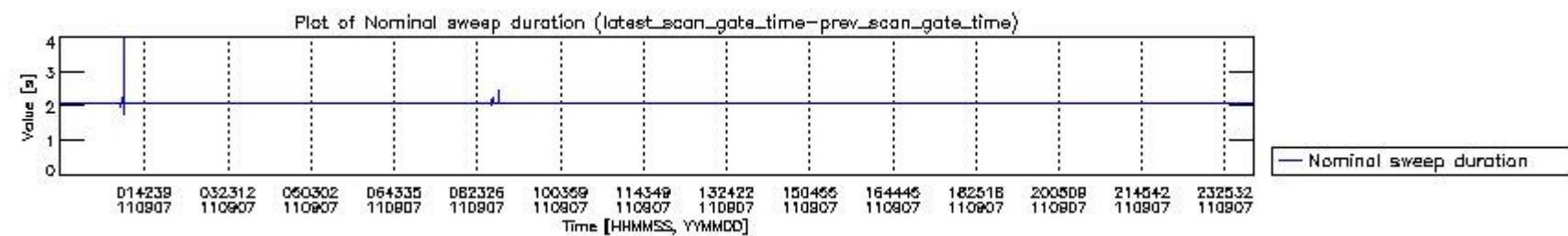
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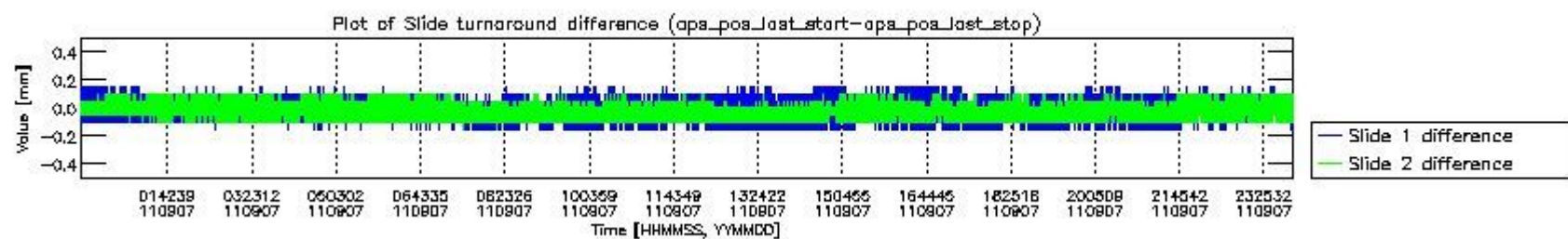
mipas_daily_report_level0_KSPT_L0_4504_N_20110907_2.PNG



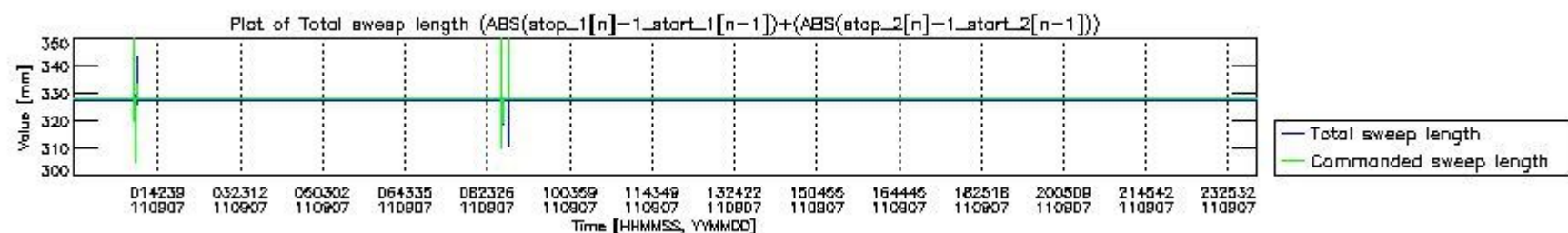
mipas_daily_report_level0_KSPT_L0_4504_N_20110907_3.PNG



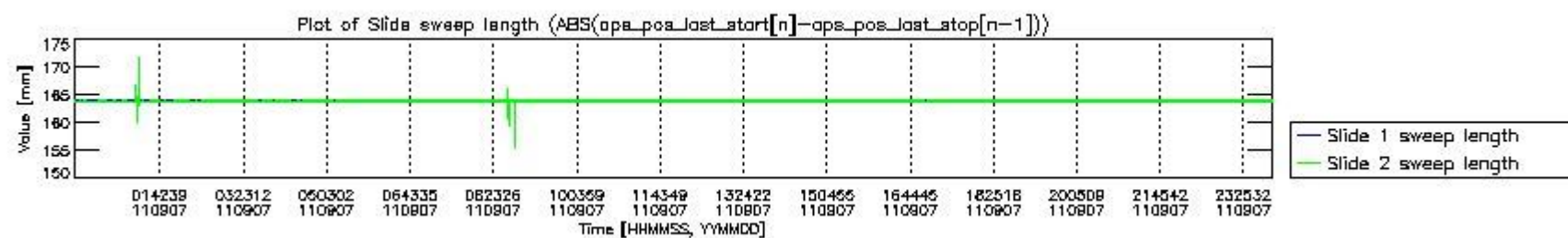
mipas_daily_report_level0_KSPT_L0_4504_N_20110907_4.PNG



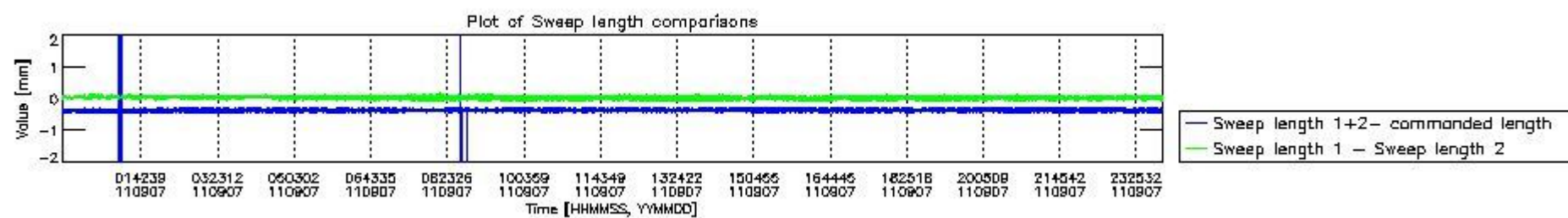
mipas_daily_report_level0_KSPT_L0_4504_N_20110907_5.PNG



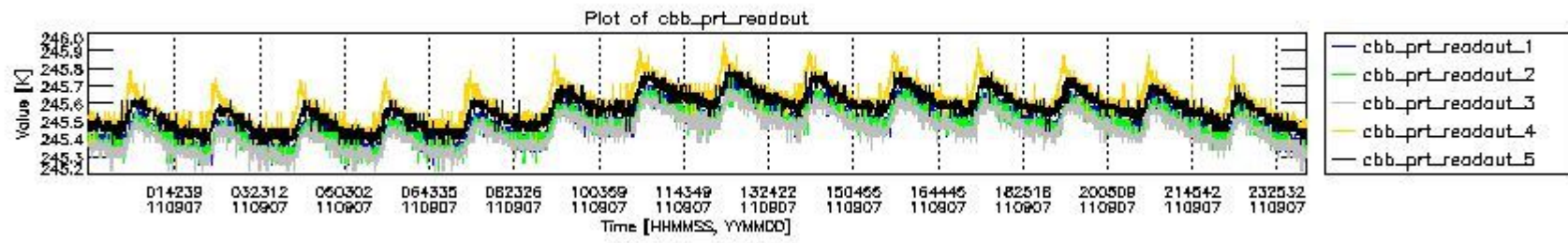
mipas_daily_report_level0_KSPT_L0_4504_N_20110907_6.PNG



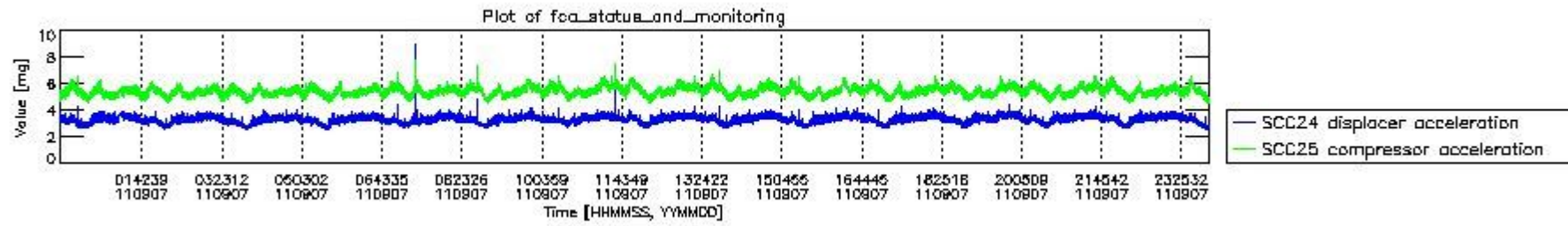
mipas_daily_report_level0_KSPT_L0_4504_N_20110907_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110907_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110907_9.PNG

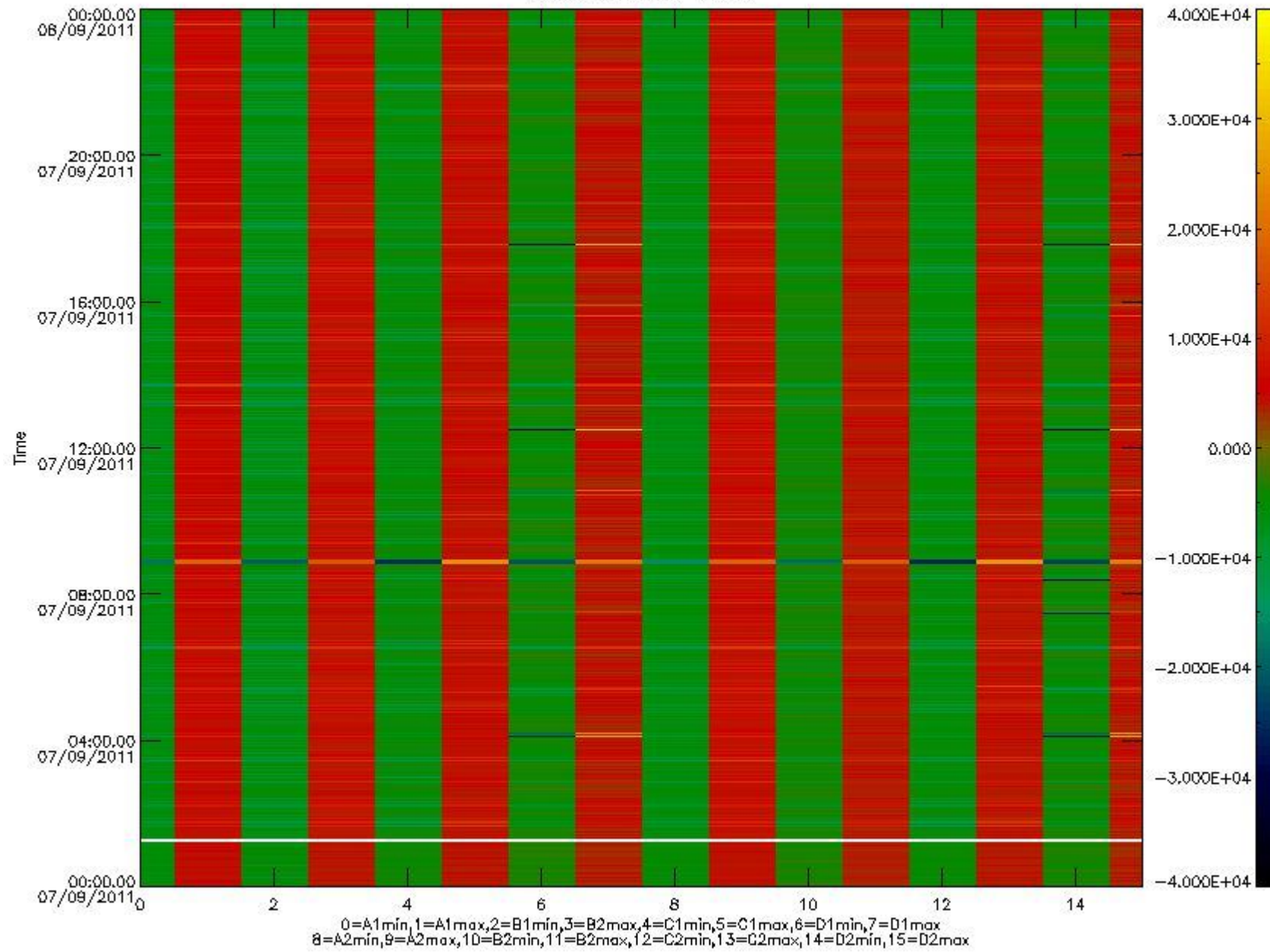


mipas_daily_report_level0_KSPT_L0_4504_N_20110907_10.PNG

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

Channel	Min	Max	ADC
A1	-18254	19128	16bit
B1	-20467	17628	16bit
C1	-25782	25794	16bit
D1	-32768	32767	16bit
A2	-15711	19351	16bit
B2	-18710	18404	16bit
C2	-27293	26792	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_20110907_11.PNG

0.3 ADF monitoring

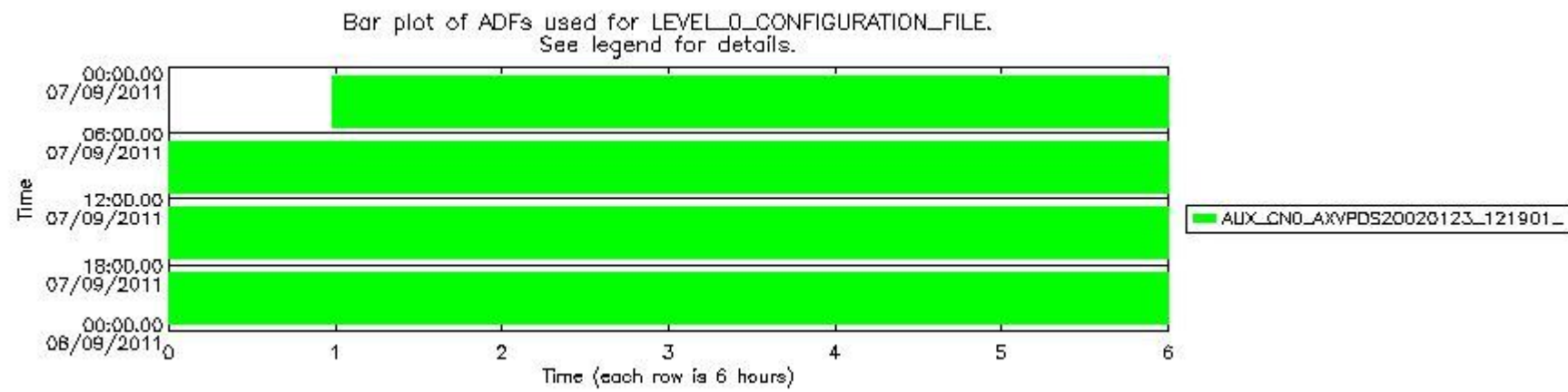
The use of ADFs is shown in two ways:

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.

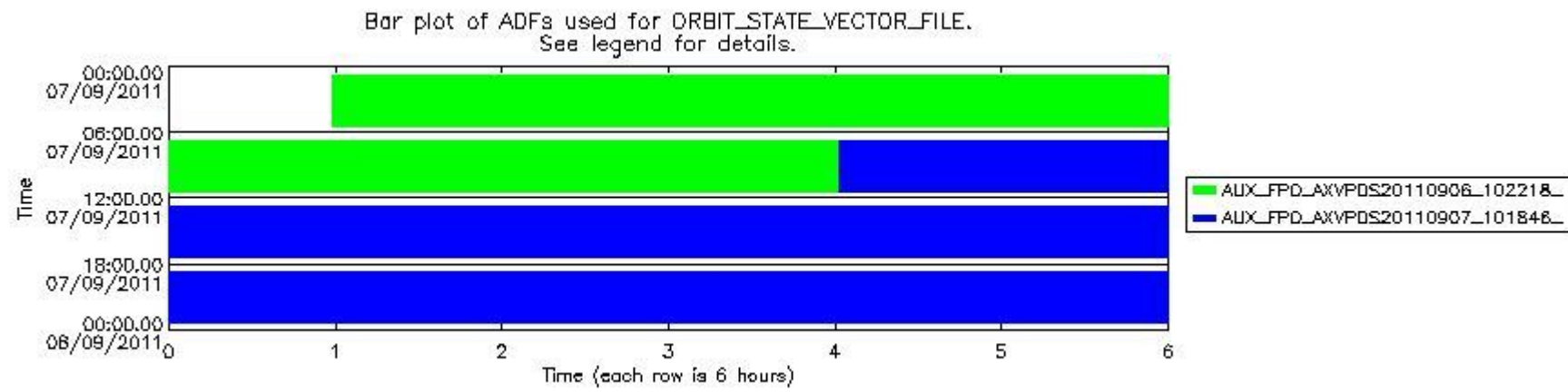
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110906_102218_20110905_190629_20110915_212014
2	AUX_FPO_AXVPDS20110907_101846_20110906_182945_20110916_204330

Number	Product name	#CN0	#FPO
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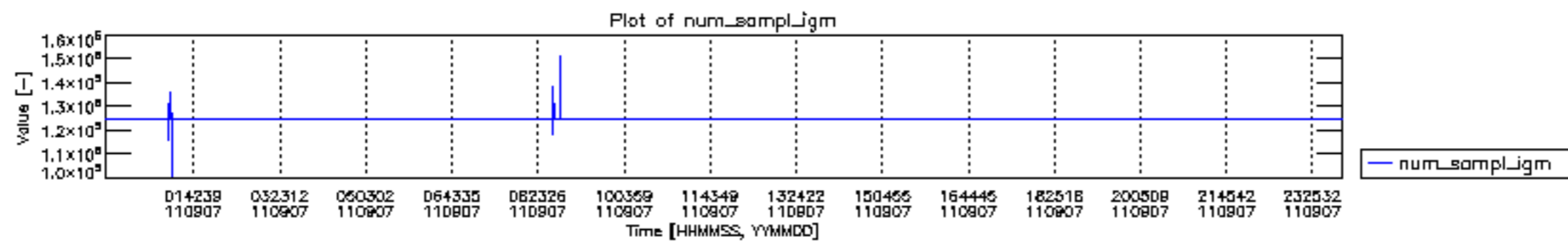
0	MIP_NL__0PNPDE20110907_005849_000102703106_00203_49786_9597.N1	0	1
1	MIP_NL__0PNPDE20110907_011828_000014023106_00204_49787_4432.N1	0	1
2	MIP_NL__0PNPDE20110907_014152_000076883106_00204_49787_4431.N1	0	1
3	MIP_NL__0PNPDE20110907_034926_000061673106_00205_49788_9598.N1	0	1
4	MIP_NL__0PNPDE20110907_053139_000060643106_00206_49789_9599.N1	0	1
5	MIP_NL__0PNPDK20110907_071210_000040713106_00207_49790_6256.N1	0	1
6	MIP_NL__0PNPDK20110907_081928_000061403106_00208_49791_6257.N1	0	1
7	MIP_NL__0PNPDK20110907_100117_000059373106_00209_49792_6258.N1	0	2
8	MIP_NL__0PNPDK20110907_113930_000059663106_00210_49793_6259.N1	0	2
9	MIP_NL__0PNPDK20110907_131823_000059503106_00211_49794_6261.N1	0	2
10	MIP_NL__0PNPDK20110907_145605_000057933106_00212_49795_6262.N1	0	2
11	MIP_NL__0PNPDK20110907_163139_000060393106_00213_49796_6263.N1	0	2
12	MIP_NL__0PNPDK20110907_181120_000059813106_00214_49797_6264.N1	0	2
13	MIP_NL__0PNPDE20110907_194937_000040843106_00215_49798_9600.N1	0	2
14	MIP_NL__0PNPDE20110907_205542_000064883106_00215_49798_9601.N1	0	2
15	MIP_NL__0PNPDE20110907_224254_000060733106_00216_49799_9602.N1	0	2

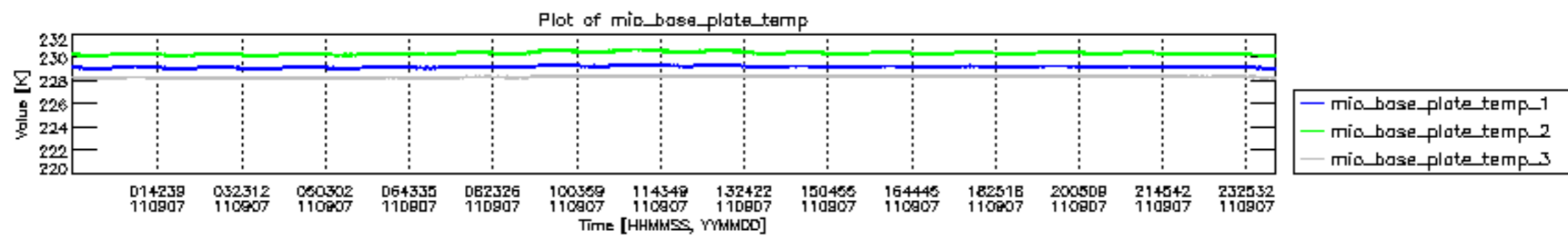


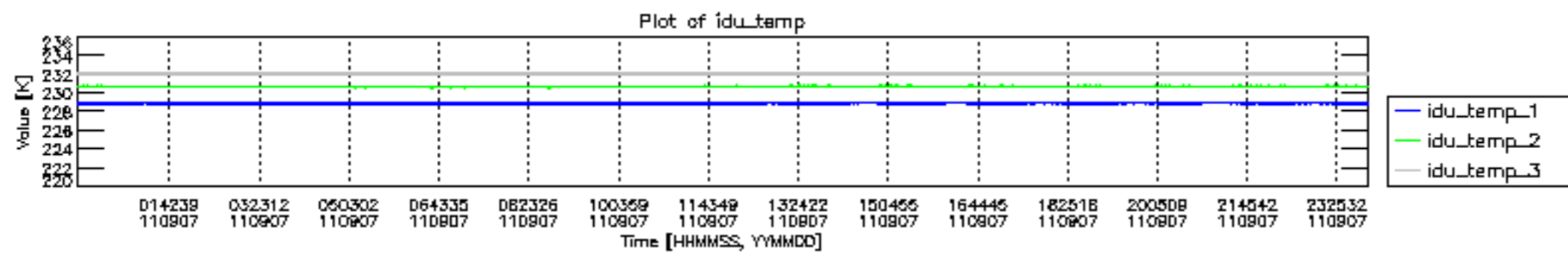
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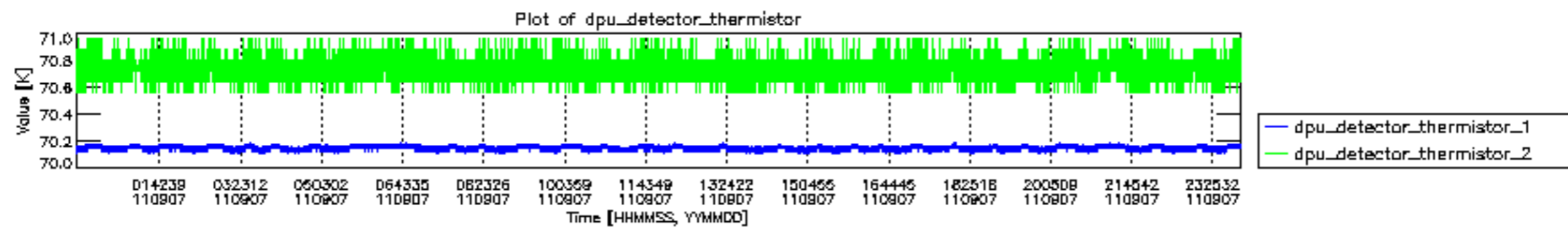


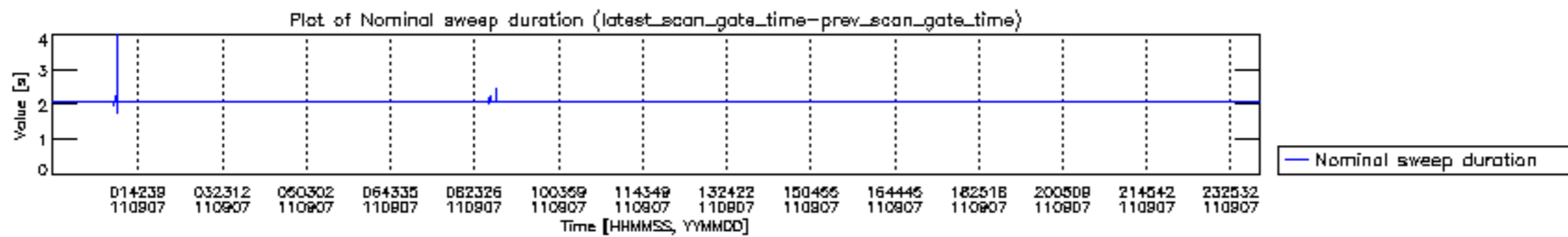
mipas_daily_report_level0_KSPT_L0_4504_N_20110907_13.PNG

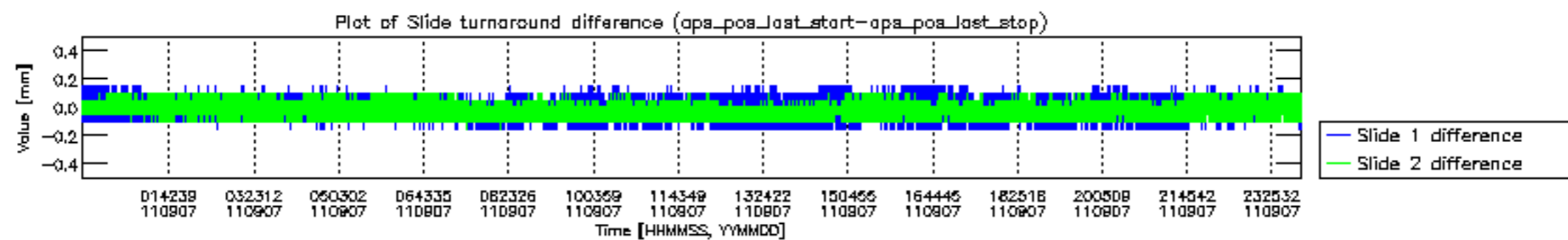


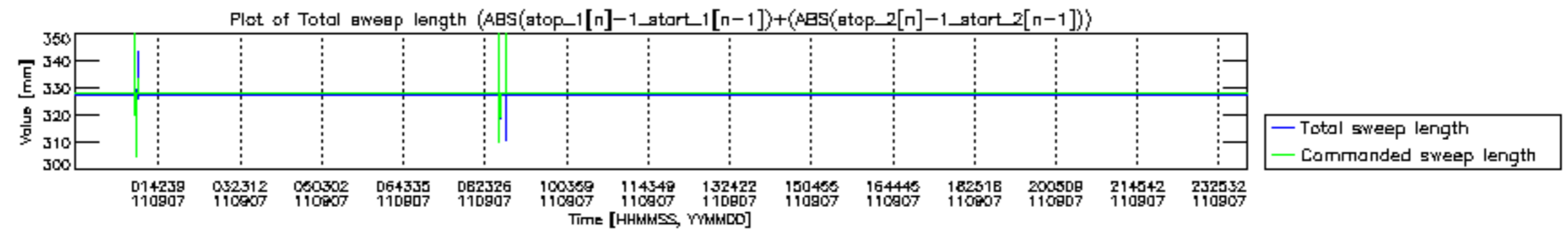


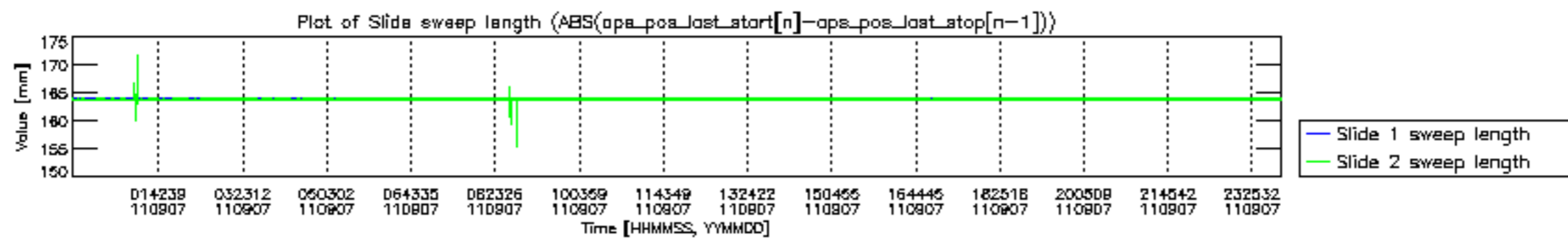


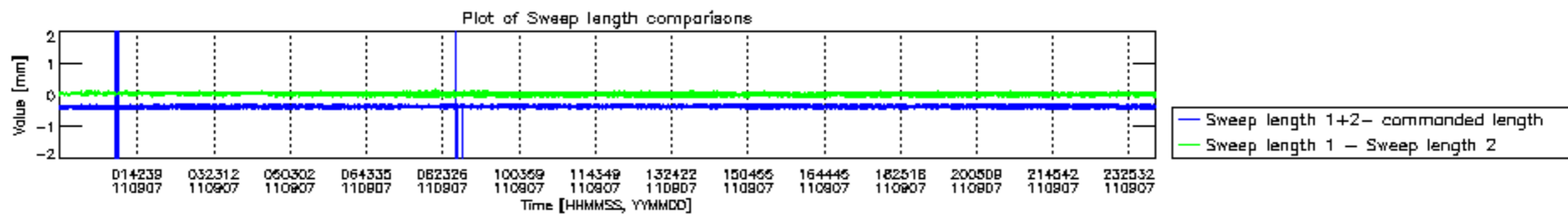


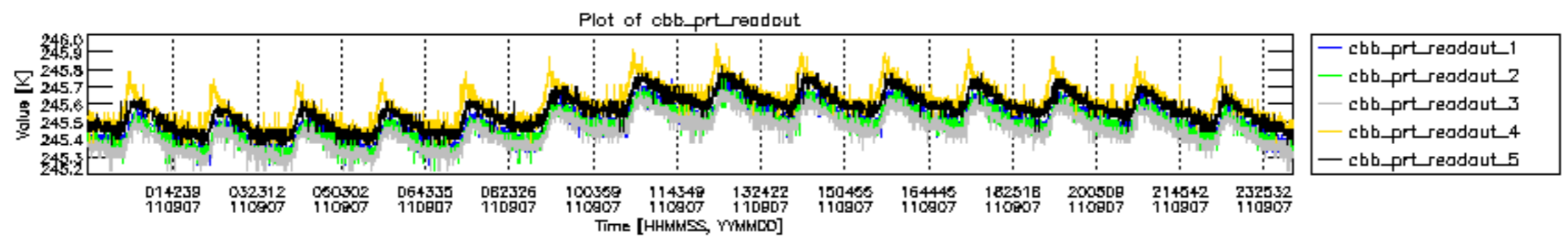


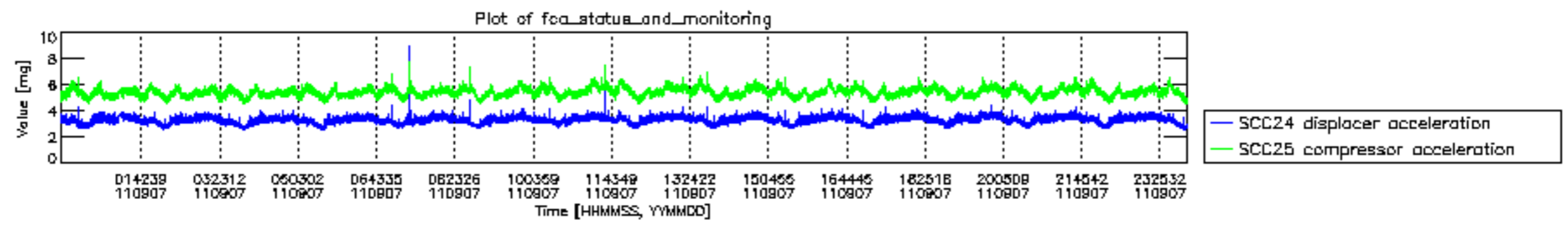












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

