

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	16APR2011 05:24:33
Data source version	KSPT_L0/4504-N
Processing scope for products	11APR2011 00:00:00 to 12APR2011 00:00:00
Start time of first product within scope	11APR2011 00:19:25
Stop time of last product within scope	12APR2011 01:23:32
Total number of level 0 products	16
Number of level 0 products with errors	1

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__0PNPDE20110411_001925_000059703101_00217_47645_3400.N1	11APR2011 00:19:25	11APR2011 01:58:55	0	0	0	0	0
1	MIP_NL__0PNPDE20110411_015757_000044813101_00218_47646_3401.N1	11APR2011 01:57:57	11APR2011 03:12:37	0	0	0	0	0
2	MIP_NL__0PNPDE20110411_031204_000061213101_00219_47647_3402.N1	11APR2011 03:12:04	11APR2011 04:54:05	0	0	0	0	0
3	MIP_NL__0PNPDE20110411_045331_000060593101_00220_47648_3403.N1	11APR2011 04:53:31	11APR2011 06:34:30	0	0	0	0	0
4	MIP_NL__0PNPDK20110411_063357_000040253101_00221_47649_4817.N1	11APR2011 06:33:57	11APR2011 07:41:02	0	0	0	0	0
5	MIP_NL__0PNPDK20110411_074031_000061813101_00222_47650_4819.N1	11APR2011 07:40:31	11APR2011 09:23:33	1	1	0	0	0
6	MIP_NL__0PNPDK20110411_092247_000059063101_00223_47651_4820.N1	11APR2011 09:22:47	11APR2011 11:01:12	0	0	0	0	0
7	MIP_NL__0PNPDK20110411_110030_000060333101_00224_47652_4821.N1	11APR2011 11:00:30	11APR2011 12:41:03	0	0	0	0	0
8	MIP_NL__0PNPDK20110411_124022_000059413101_00225_47653_4822.N1	11APR2011 12:40:22	11APR2011 14:19:23	0	0	0	0	0
9	MIP_NL__0PNPDK20110411_141849_000058583101_00226_47654_4823.N1	11APR2011 14:18:49	11APR2011 15:56:27	0	0	0	0	0
10	MIP_NL__0PNPDK20110411_155453_000058763101_00227_47655_4825.N1	11APR2011 15:54:53	11APR2011 17:32:49	0	0	0	0	0
11	MIP_NL__0PNPDK20110411_173151_000060273101_00228_47656_4826.N1	11APR2011 17:31:51	11APR2011 19:12:17	0	0	0	0	0
12	MIP_NL__0PNPDK20110411_191045_000059683101_00229_47657_4827.N1	11APR2011 19:10:45	11APR2011 20:50:14	0	0	0	0	0
13	MIP_NL__0PNPDE20110411_204844_000044293101_00230_47658_3404.N1	11APR2011 20:48:44	11APR2011 22:02:33	0	0	0	0	0
14	MIP_NL__0PNPDE20110411_220132_000062383101_00230_47658_3405.N1	11APR2011 22:01:32	11APR2011 23:45:30	0	0	0	0	0
15	MIP_NL__0PNPDE20110411_234419_000059543101_00231_47659_3406.N1	11APR2011 23:44:19	12APR2011 01:23:32	0	0	0	0	0

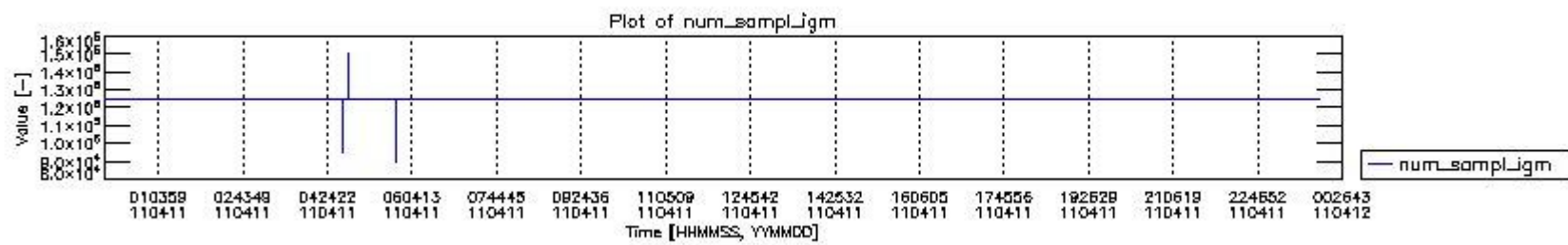
0.2 Instrument Operational Performance Parameters

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.

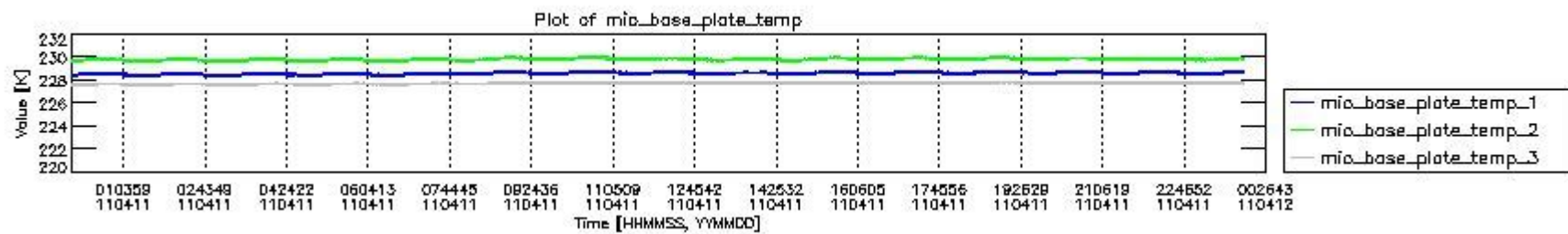
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
89880	1	0.0024004993
94934	1	0.0024004993

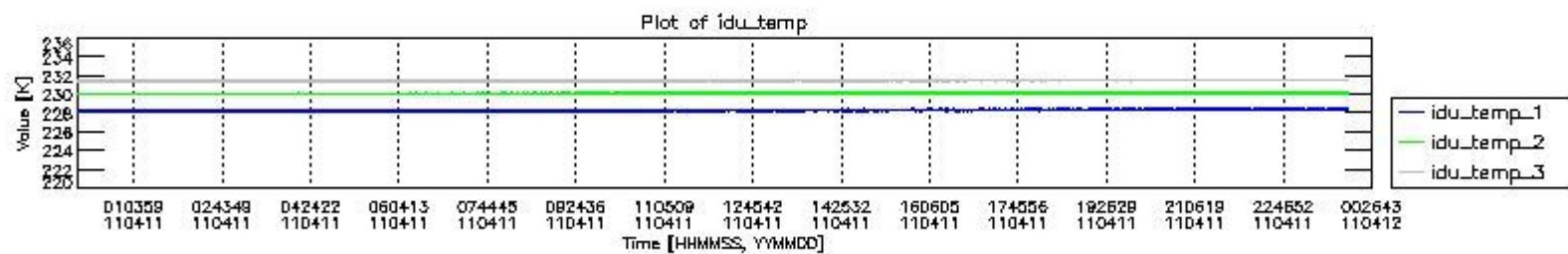
97274	1	0.0024004993
99801	1	0.0024004993
117406	1	0.0024004993
119933	1	0.0024004993
124800	38689	92.872918
124803	2960	7.1054779
127531	1	0.0024004993
147663	1	0.0024004993
150394	1	0.0024004993



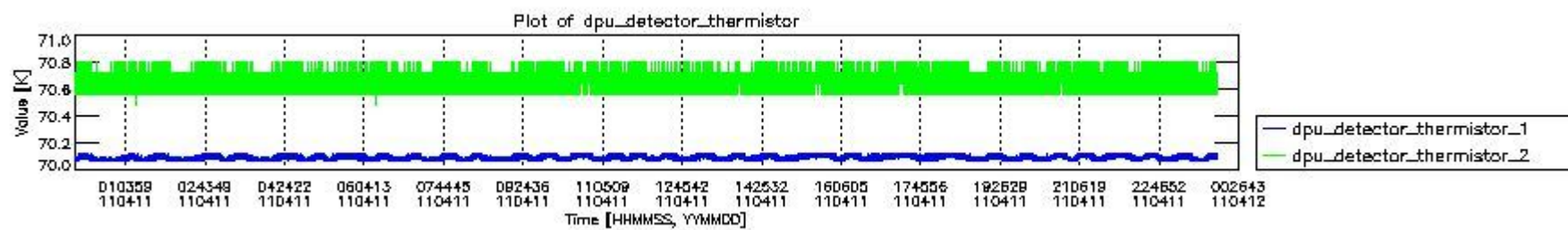
mipas_daily_report_level0_KSPT_L0_4504_N_20110411_0.PNG



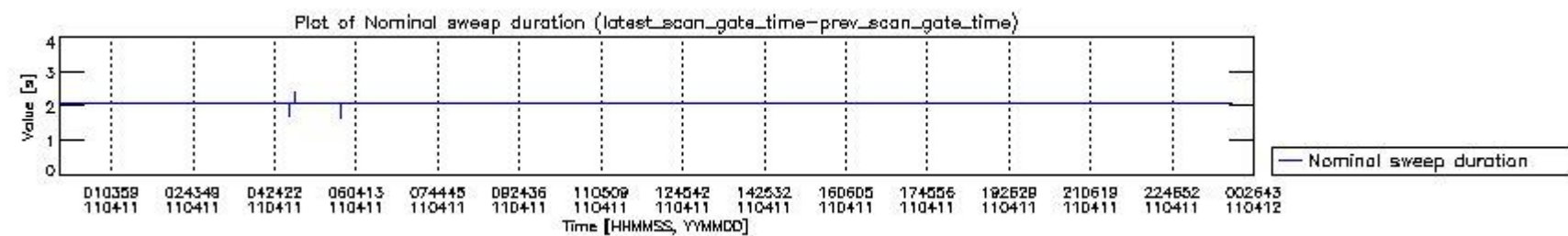
mipas_daily_report_level0_KSPT_L0_4504_N_20110411_1.PNG



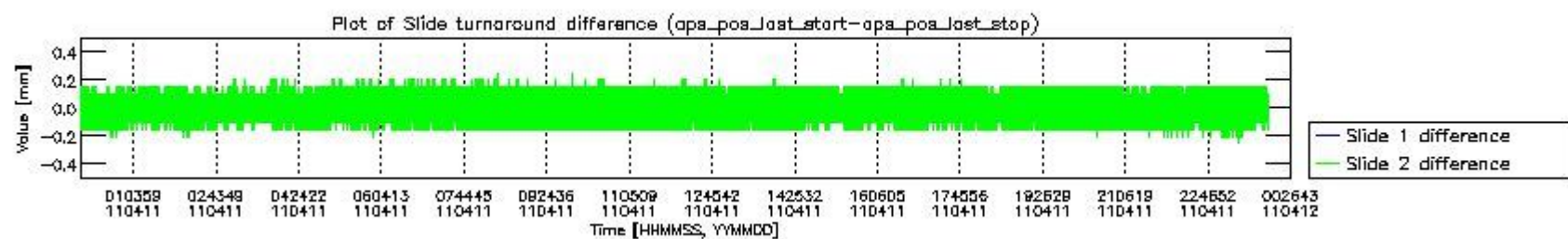
mipas_daily_report_level0_KSPT_L0_4504_N_20110411_2.PNG



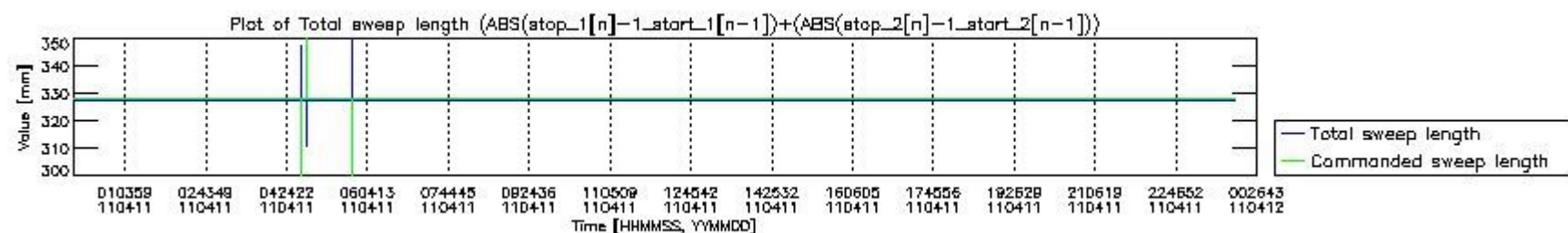
mipas_daily_report_level0_KSPT_L0_4504_N_20110411_3.PNG



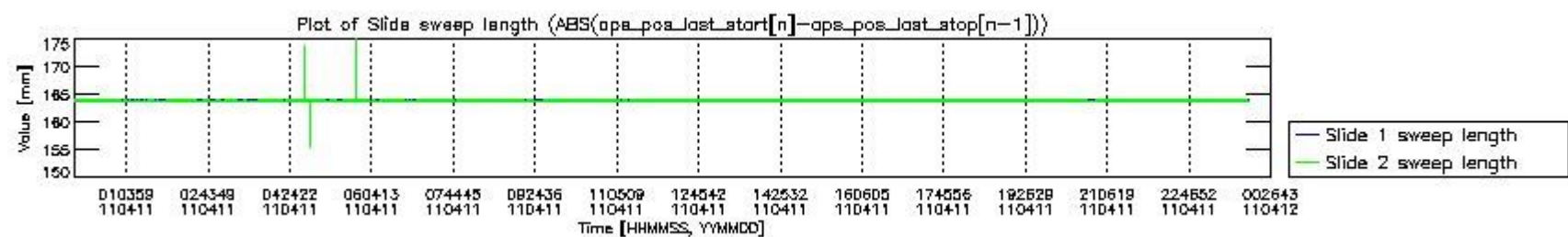
mipas_daily_report_level0_KSPT_L0_4504_N_20110411_4.PNG



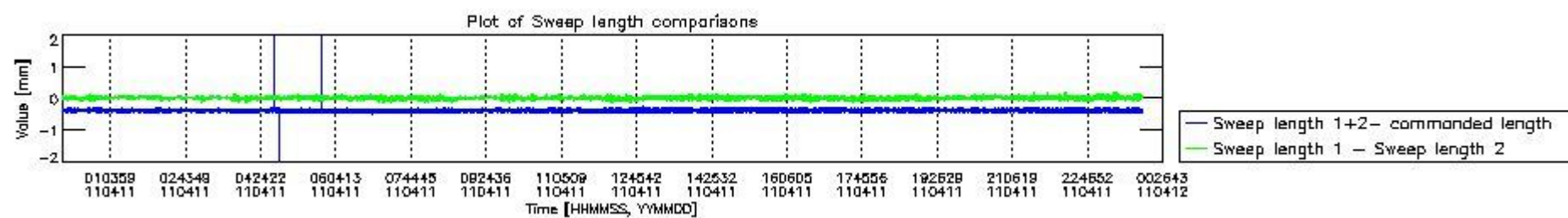
mipas_daily_report_level0_KSPT_L0_4504_N_20110411_5.PNG



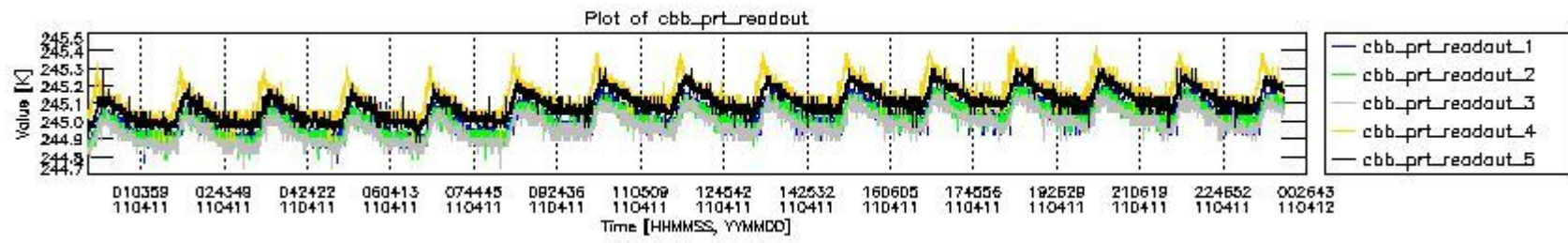
mipas_daily_report_level0_KSPT_L0_4504_N_20110411_6.PNG



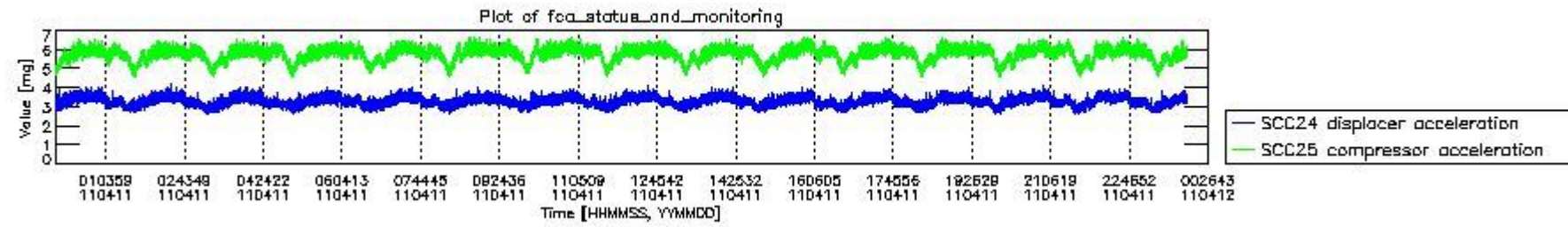
mipas_daily_report_level0_KSPT_L0_4504_N_20110411_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110411_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110411_9.PNG

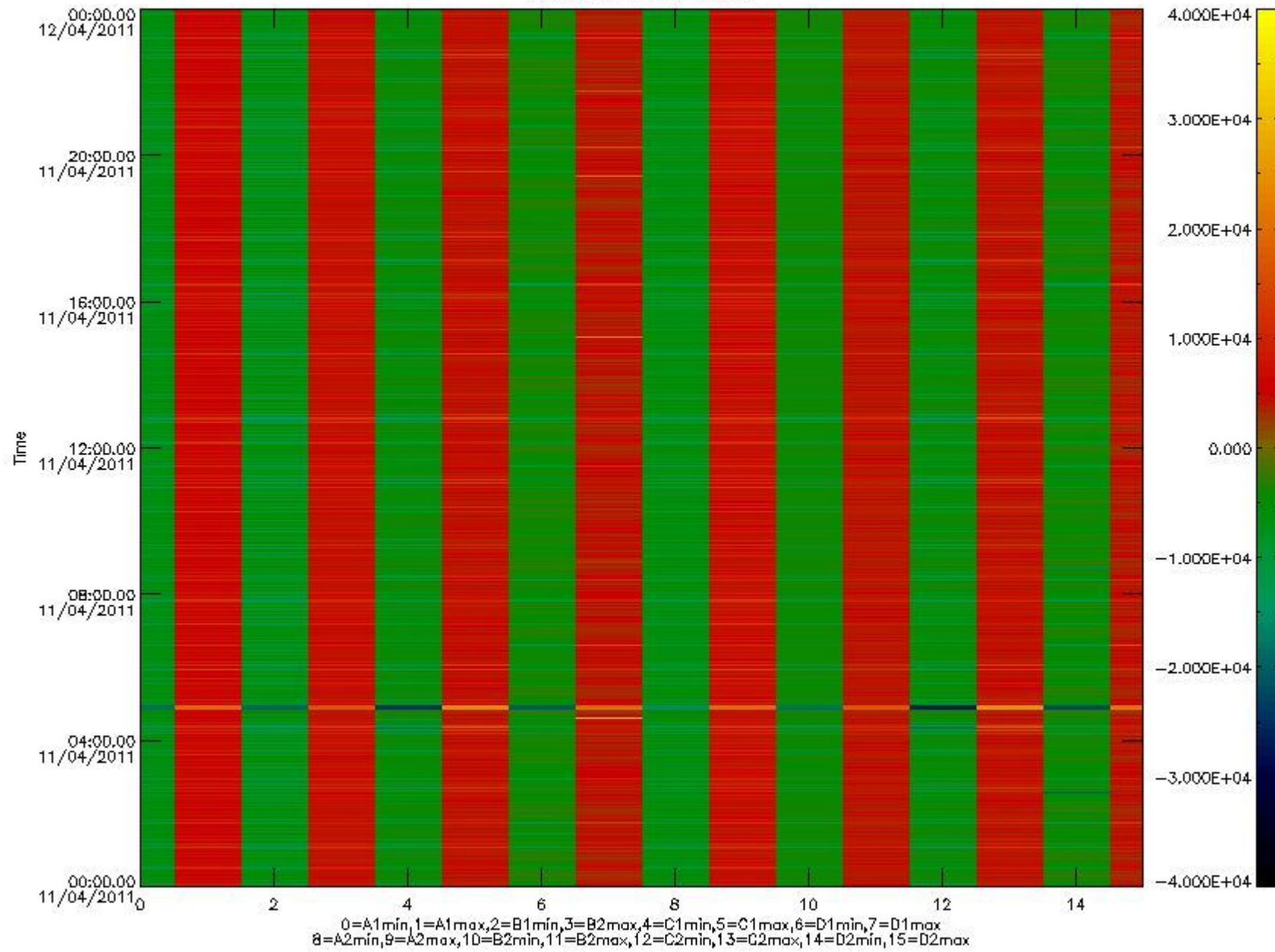


mipas_daily_report_level0_KSPT_L0_4504_N_20110411_10.PNG

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

Channel	Min	Max	ADC
A1	-18741	20151	16bit
B1	-20876	17801	16bit
C1	-25094	24945	16bit
D1	-32768	32767	16bit
A2	-16145	20238	16bit
B2	-19268	18602	16bit
C2	-26113	25668	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_20110411_11.PNG

0.3 ADF monitoring

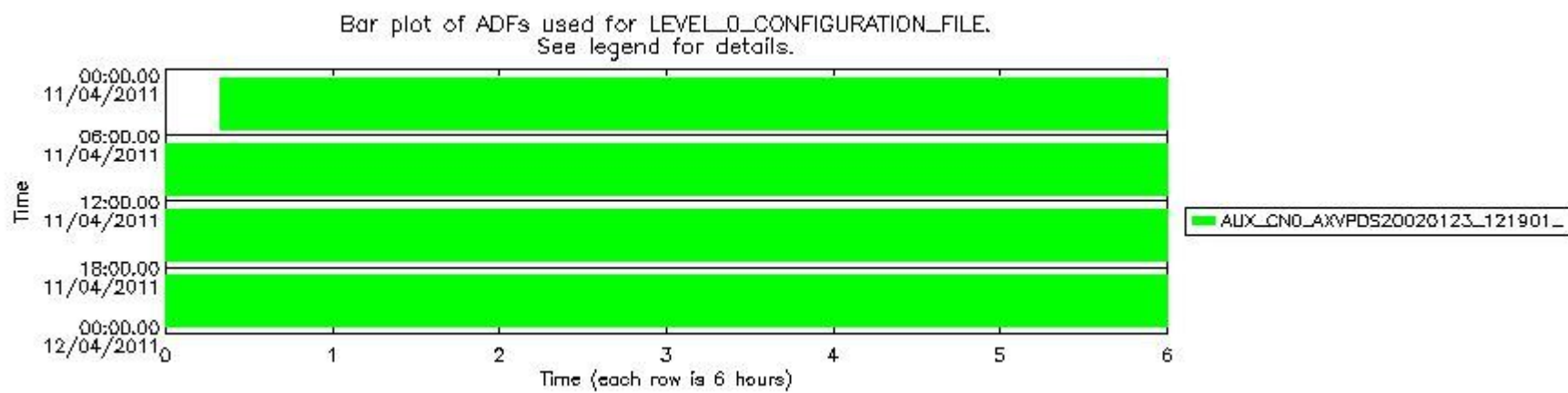
The use of ADFs is shown in two ways:

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.

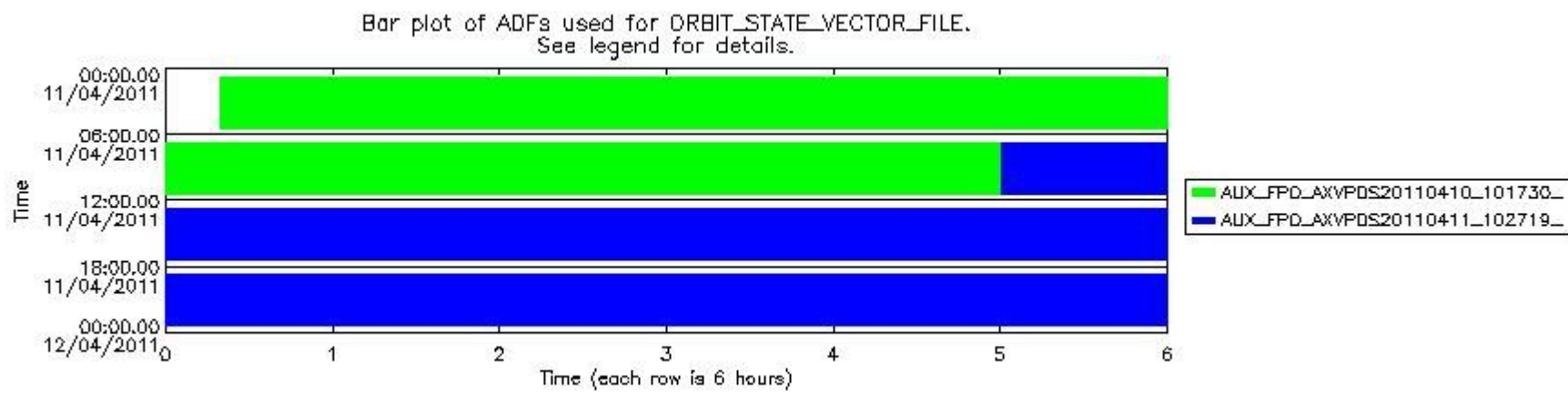
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110410_101730_20110409_182731_20110419_204121
2	AUX_FPO_AXVPDS20110411_102719_20110410_193101_20110420_200436

Number	Product name	#CN0	#FPO
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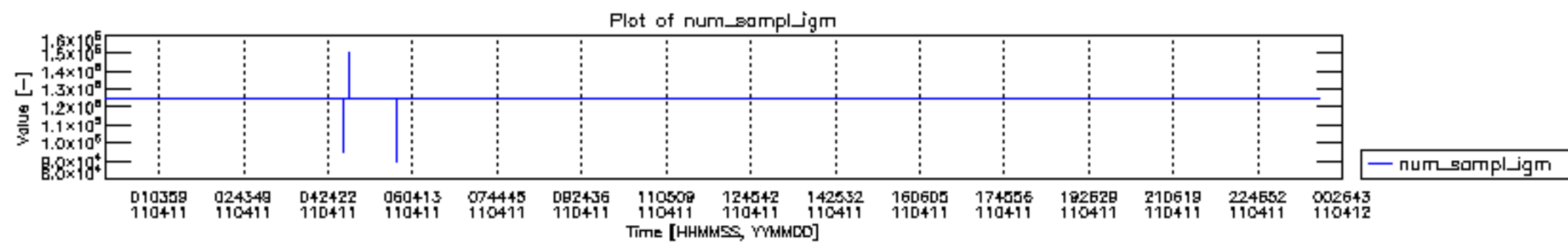
0	MIP_NL__0PNPDE20110411_001925_000059703101_00217_47645_3400.N1	0	1
1	MIP_NL__0PNPDE20110411_015757_000044813101_00218_47646_3401.N1	0	1
2	MIP_NL__0PNPDE20110411_031204_000061213101_00219_47647_3402.N1	0	1
3	MIP_NL__0PNPDE20110411_045331_000060593101_00220_47648_3403.N1	0	1
4	MIP_NL__0PNPDK20110411_063357_000040253101_00221_47649_4817.N1	0	1
5	MIP_NL__0PNPDK20110411_074031_000061813101_00222_47650_4819.N1	0	1
6	MIP_NL__0PNPDK20110411_092247_000059063101_00223_47651_4820.N1	0	1
7	MIP_NL__0PNPDK20110411_110030_000060333101_00224_47652_4821.N1	0	2
8	MIP_NL__0PNPDK20110411_124022_000059413101_00225_47653_4822.N1	0	2
9	MIP_NL__0PNPDK20110411_141849_000058583101_00226_47654_4823.N1	0	2
10	MIP_NL__0PNPDK20110411_155453_000058763101_00227_47655_4825.N1	0	2
11	MIP_NL__0PNPDK20110411_173151_000060273101_00228_47656_4826.N1	0	2
12	MIP_NL__0PNPDK20110411_191045_000059683101_00229_47657_4827.N1	0	2
13	MIP_NL__0PNPDE20110411_204844_000044293101_00230_47658_3404.N1	0	2
14	MIP_NL__0PNPDE20110411_220132_000062383101_00230_47658_3405.N1	0	2
15	MIP_NL__0PNPDE20110411_234419_000059543101_00231_47659_3406.N1	0	2

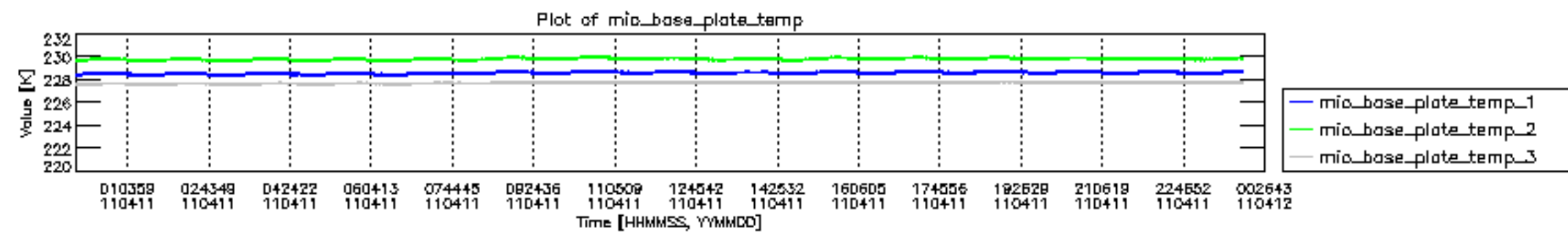


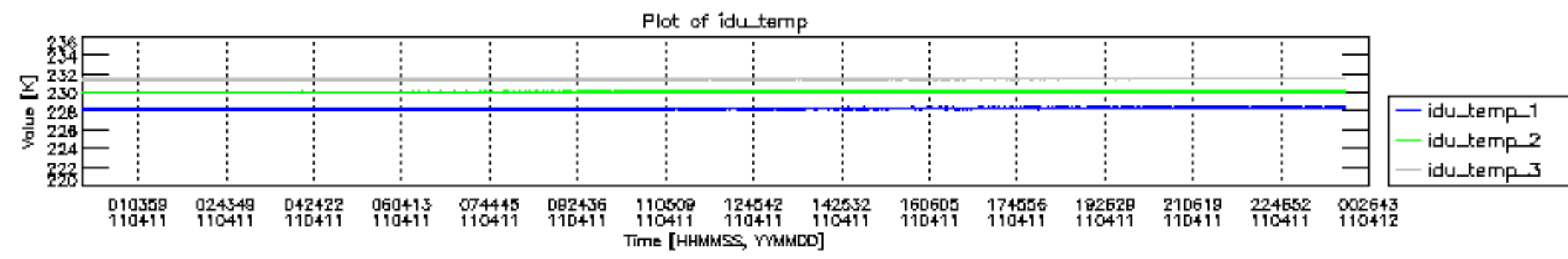
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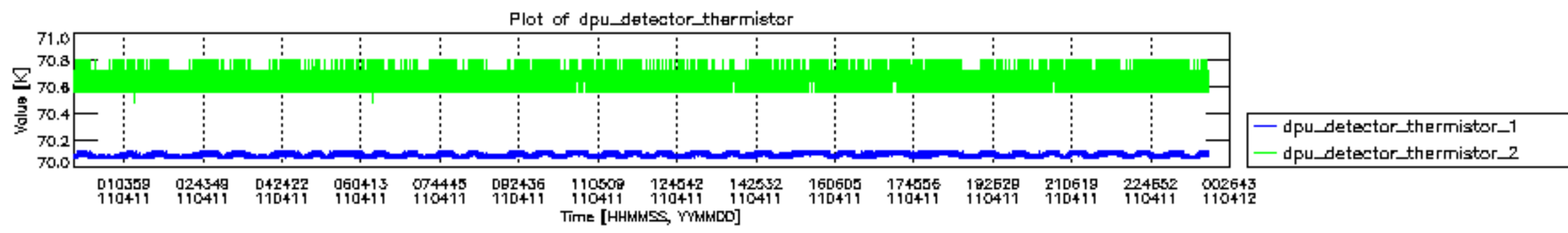


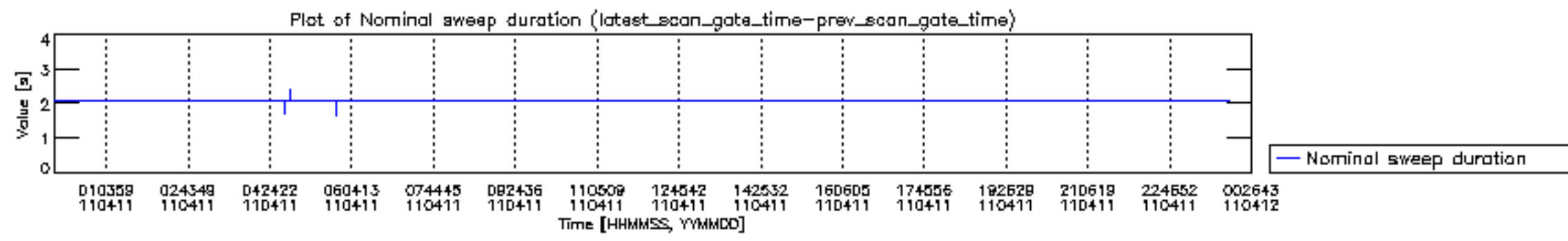
mipas_daily_report_level0_KSPT_L0_4504_N_20110411_13.PNG

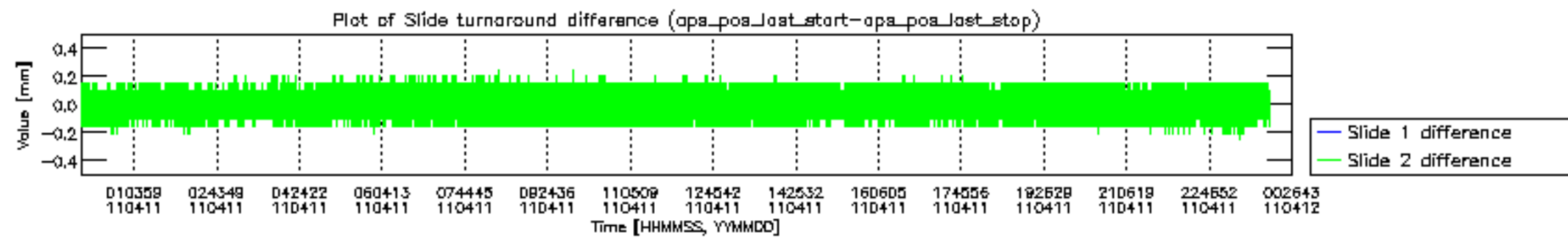


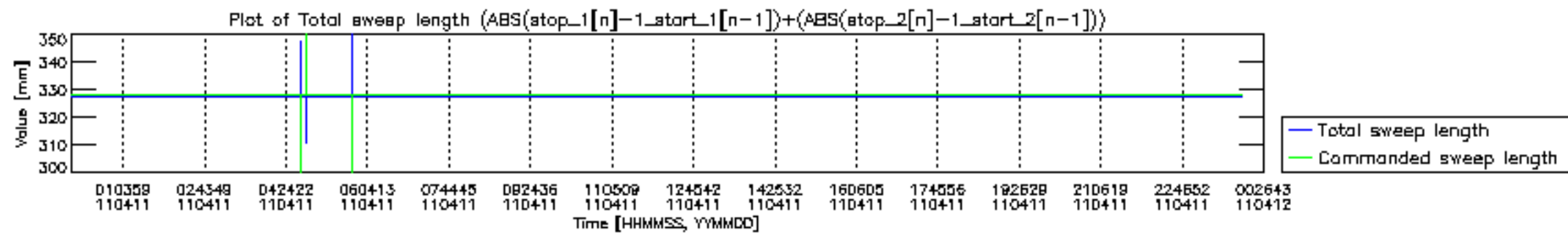


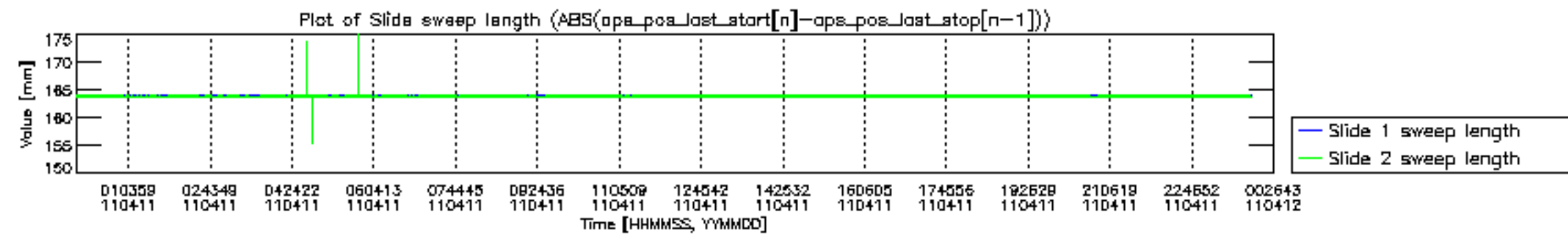


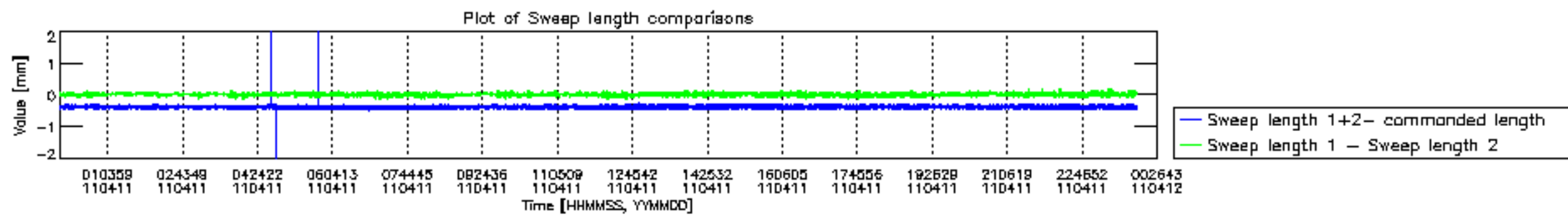


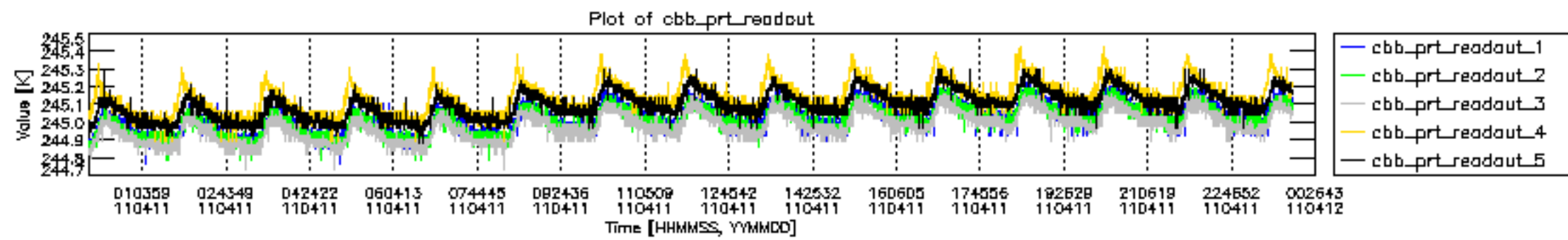


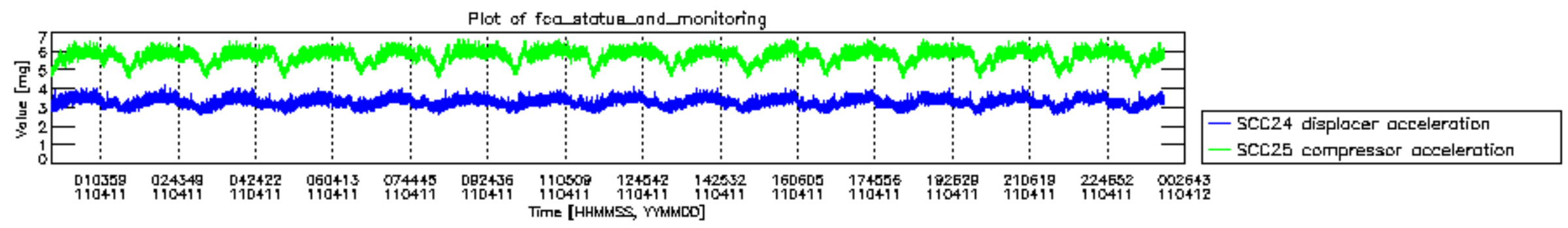












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

