

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	04MAY2011 05:23:14
Data source version	KSPT_L0/4504-N
Processing scope for products	29APR2011 00:00:00 to 30APR2011 00:00:00
Start time of first product within scope	29APR2011 01:00:08
Stop time of last product within scope	30APR2011 00:25:33
Total number of level 0 products	15
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__OPNPDE20110429_010008_000102543102_00045_47904_3534.N1	29APR2011 01:00:08	29APR2011 03:51:02	0	0	0	0	0
1	MIP_NL__OPNPDE20110429_035027_000062483102_00047_47906_3535.N1	29APR2011 03:50:27	29APR2011 05:34:35	0	0	0	0	0
2	MIP_NL__OPNPDE20110429_053359_000060533102_00048_47907_3536.N1	29APR2011 05:33:59	29APR2011 07:14:53	0	0	0	0	0
3	MIP_NL__OPNPDE20110429_062038_000032553102_00049_47908_3537.N1	29APR2011 06:20:38	29APR2011 07:14:53	0	0	0	0	0
4	MIP_NL__OPNPDK20110429_071409_000040553102_00049_47908_4988.N1	29APR2011 07:14:09	29APR2011 08:21:44	0	0	0	0	0
5	MIP_NL__OPNPDK20110429_082112_000061443102_00050_47909_4989.N1	29APR2011 08:21:12	29APR2011 10:03:36	0	0	0	0	0
6	MIP_NL__OPNPDK20110429_100252_000059323102_00051_47910_4990.N1	29APR2011 10:02:52	29APR2011 11:41:44	0	0	0	0	0
7	MIP_NL__OPNPDK20110429_114100_000059913102_00052_47911_4991.N1	29APR2011 11:41:00	29APR2011 13:20:52	1	1	0	0	0
8	MIP_NL__OPNPDK20110429_132018_000058623102_00053_47912_4992.N1	29APR2011 13:20:18	29APR2011 14:58:00	0	0	0	0	0
9	MIP_NL__OPNPDK20110429_145720_000058663102_00054_47913_4993.N1	29APR2011 14:57:20	29APR2011 16:35:06	0	0	0	0	0
10	MIP_NL__OPNPDK20110429_163349_000059273102_00055_47914_4994.N1	29APR2011 16:33:49	29APR2011 18:12:35	0	0	0	0	0
11	MIP_NL__OPNPDK20110429_181131_000058973102_00056_47915_4995.N1	29APR2011 18:11:31	29APR2011 19:49:48	0	0	0	0	0
12	MIP_NL__OPNPDE20110429_194818_000041973102_00057_47916_3538.N1	29APR2011 19:48:18	29APR2011 20:58:15	0	0	0	0	0
13	MIP_NL__OPNPDE20110429_205706_000064513102_00057_47916_3539.N1	29APR2011 20:57:06	29APR2011 22:44:37	0	0	0	0	0
14	MIP_NL__OPNPDE20110429_224332_000061213102_00058_47917_3540.N1	29APR2011 22:43:32	30APR2011 00:25:33	0	0	0	0	0

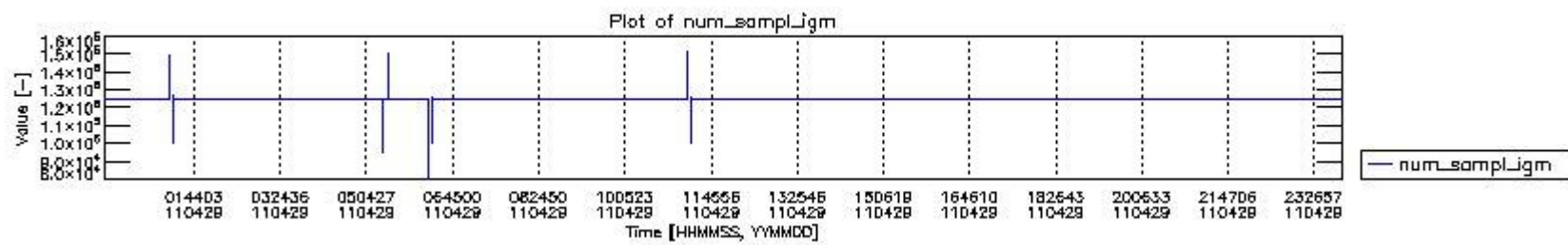
0.2 Instrument Operational Performance Parameters

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.

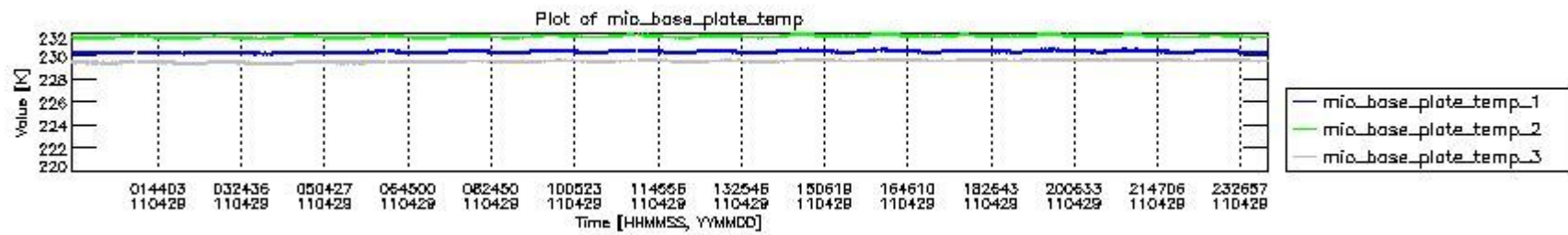
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80216	1	0.0024233612
92442	1	0.0024233612
94488	1	0.0024233612

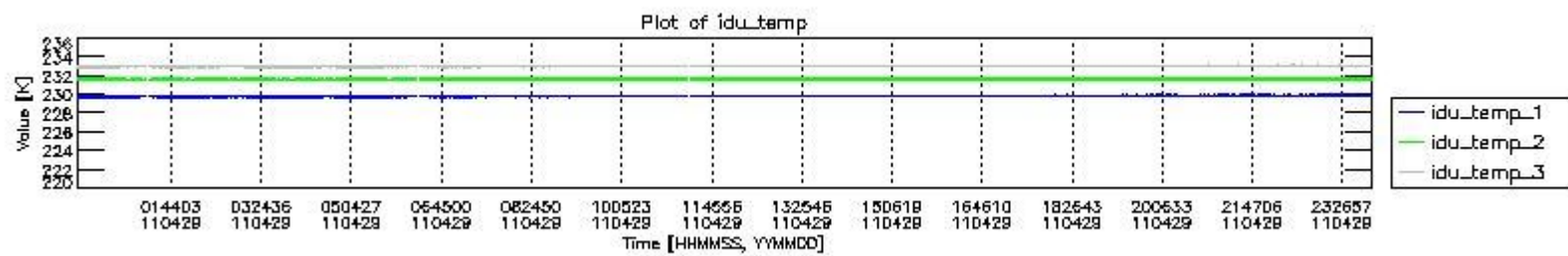
99578	1	0.0024233612
100185	1	0.0024233612
100334	1	0.0024233612
100632	1	0.0024233612
112574	1	0.0024233612
119710	1	0.0024233612
124800	38446	93.168545
124803	2795	6.7732946
125437	1	0.0024233612
125586	1	0.0024233612
125884	1	0.0024233612
126074	1	0.0024233612
126372	1	0.0024233612
126968	1	0.0024233612
127159	1	0.0024233612
127456	1	0.0024233612
127828	1	0.0024233612
147291	1	0.0024233612
147588	1	0.0024233612
147960	1	0.0024233612
149650	1	0.0024233612
150244	1	0.0024233612
150988	1	0.0024233612



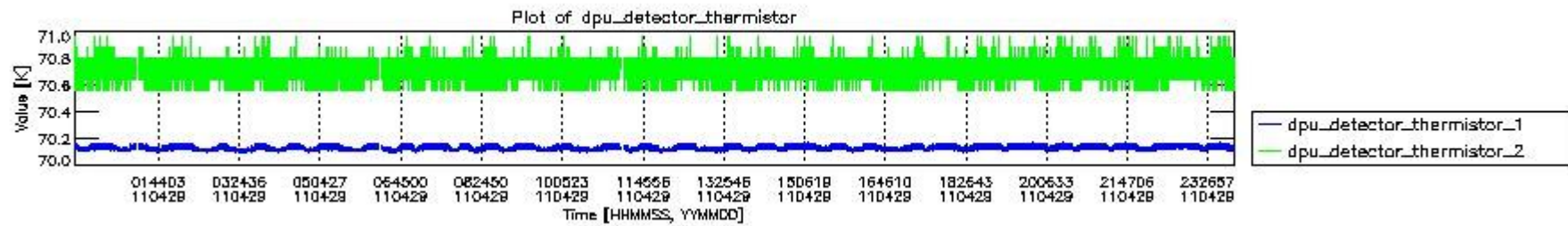
mipas_daily_report_level0_KSPT_L0_4504_N_20110429_0.PNG



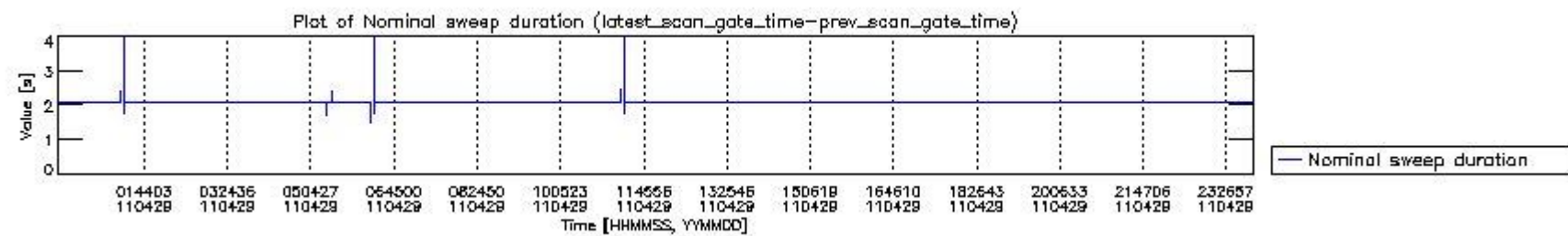
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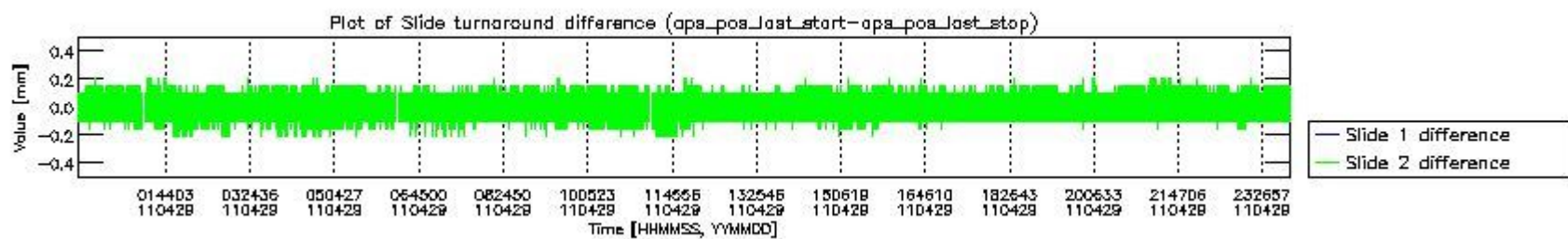
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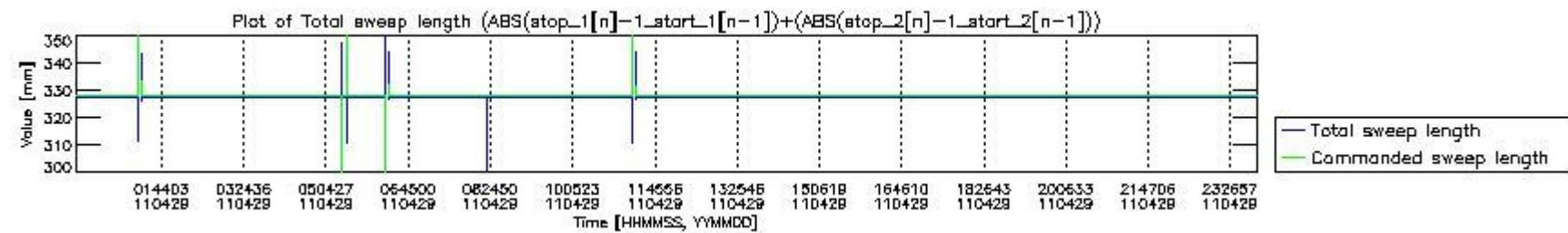
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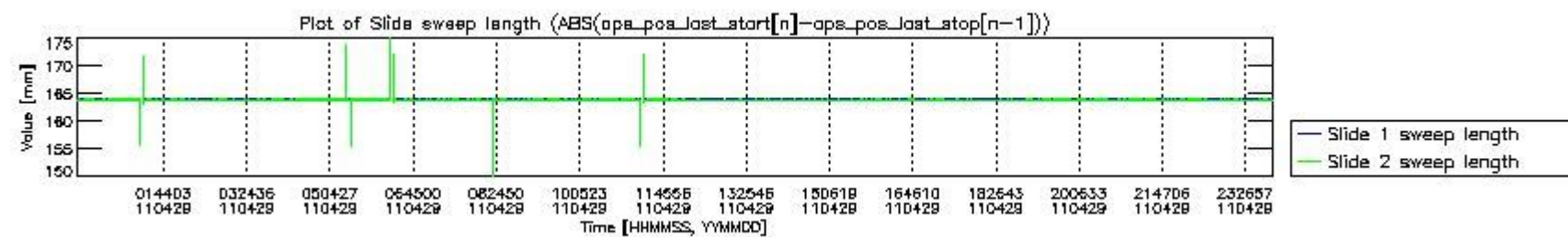
mipas_daily_report_level0_KSPT_L0_4504_N_20110429_4.PNG



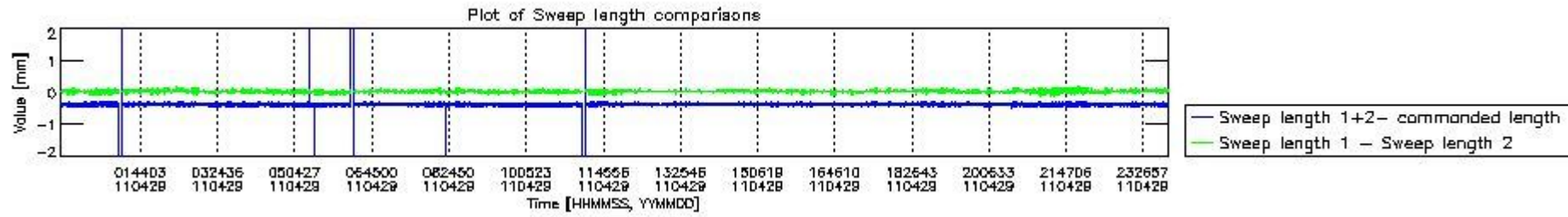
mipas_daily_report_level0_KSPT_L0_4504_N_20110429_5.PNG



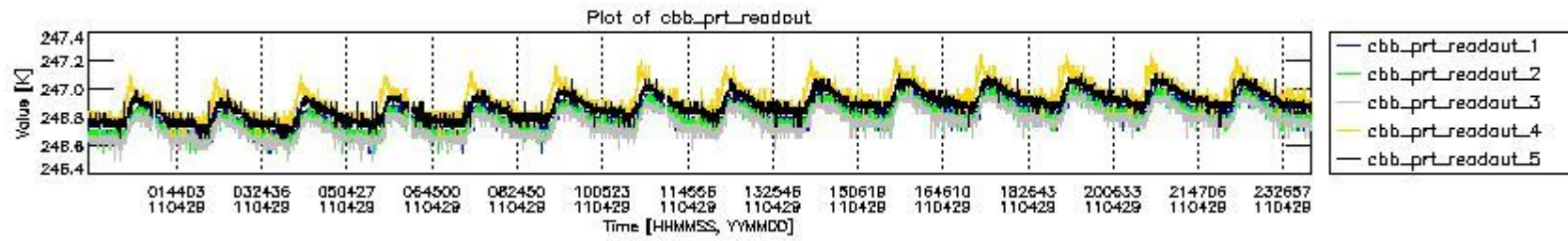
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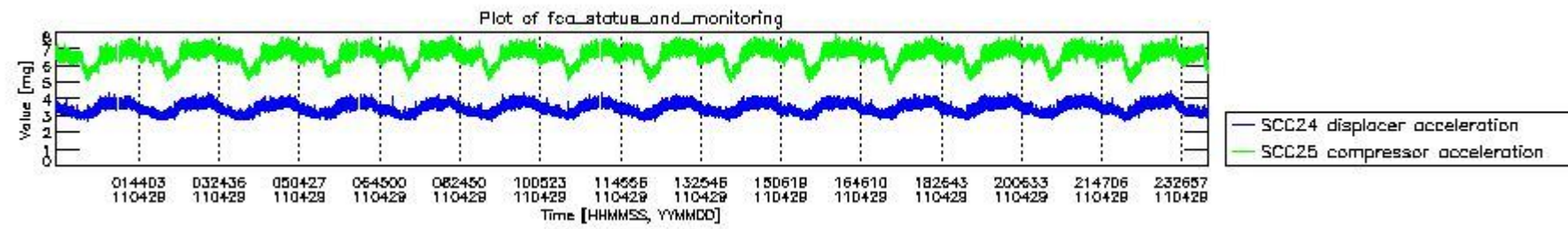
mipas_daily_report_level0_KSPT_L0_4504_N_20110429_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110429_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110429_9.PNG

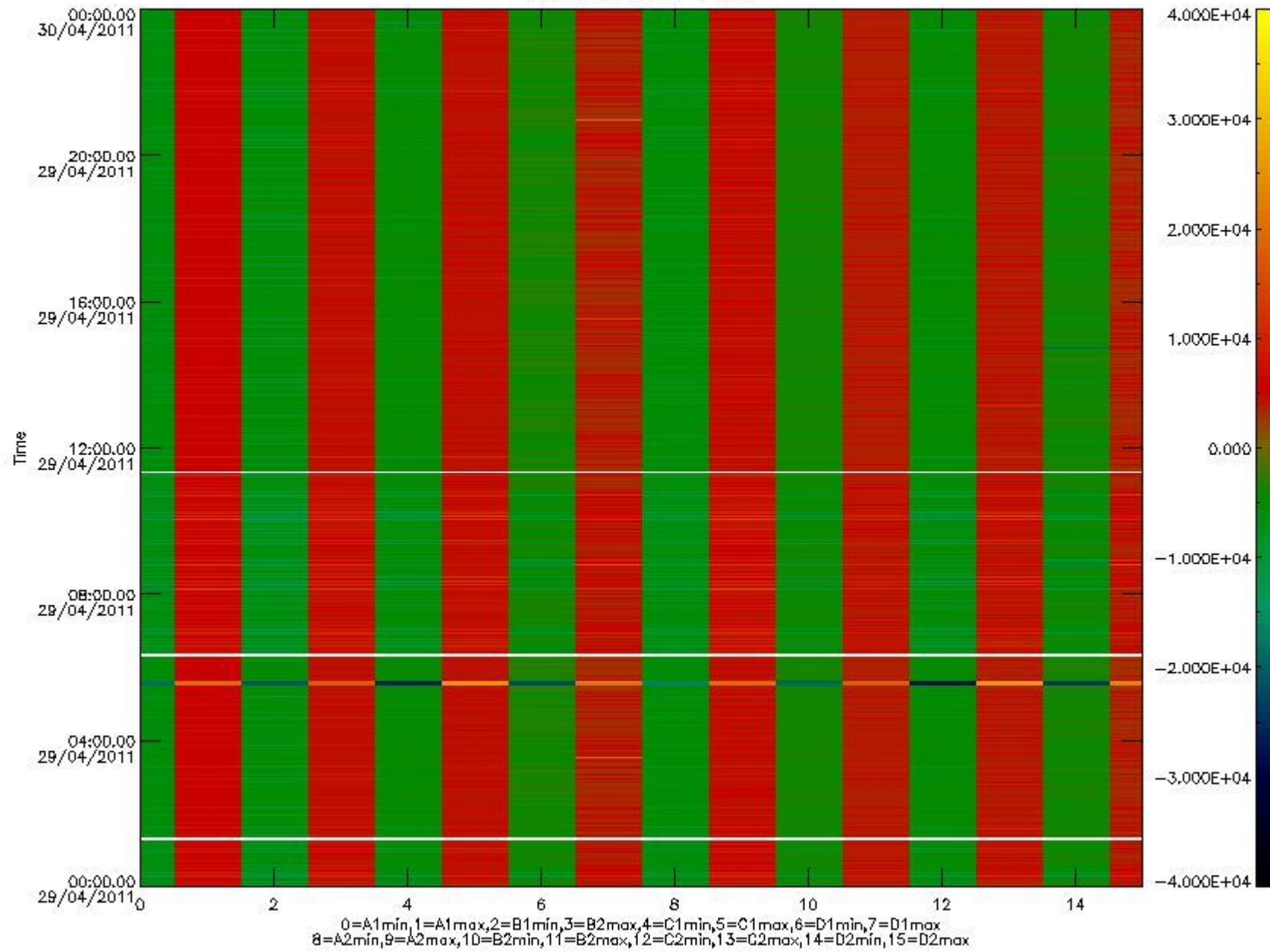


mipas_daily_report_level0_KSPT_L0_4504_N_20110429_10.PNG

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

Channel	Min	Max	ADC
A1	-19067	20503	16bit
B1	-21973	18566	16bit
C1	-26747	26718	16bit
D1	-32768	32767	16bit
A2	-16409	20640	16bit
B2	-20309	19567	16bit
C2	-27837	27504	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_20110429_11.PNG

0.3 ADF monitoring

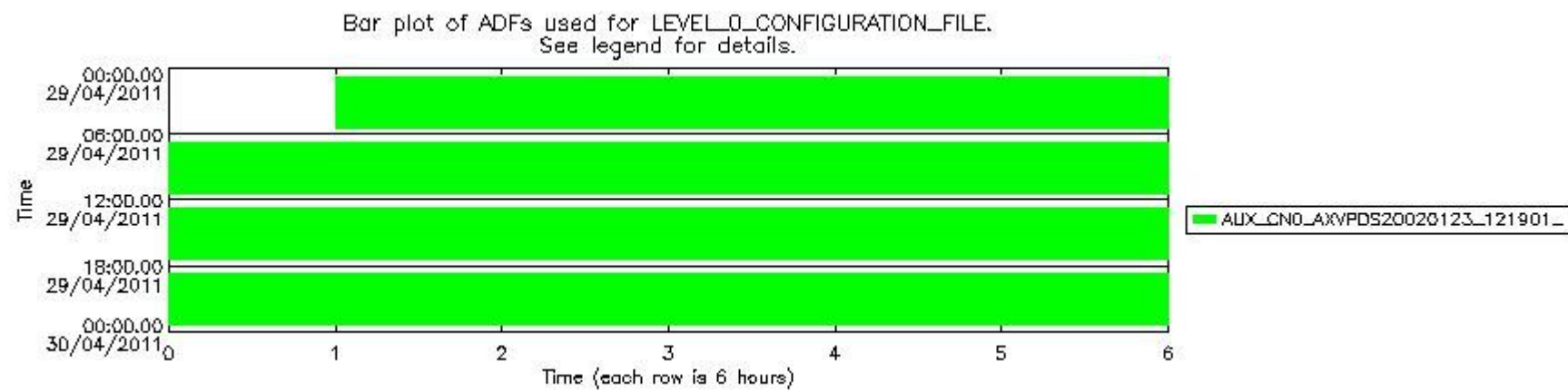
The use of ADFs is shown in two ways:

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.

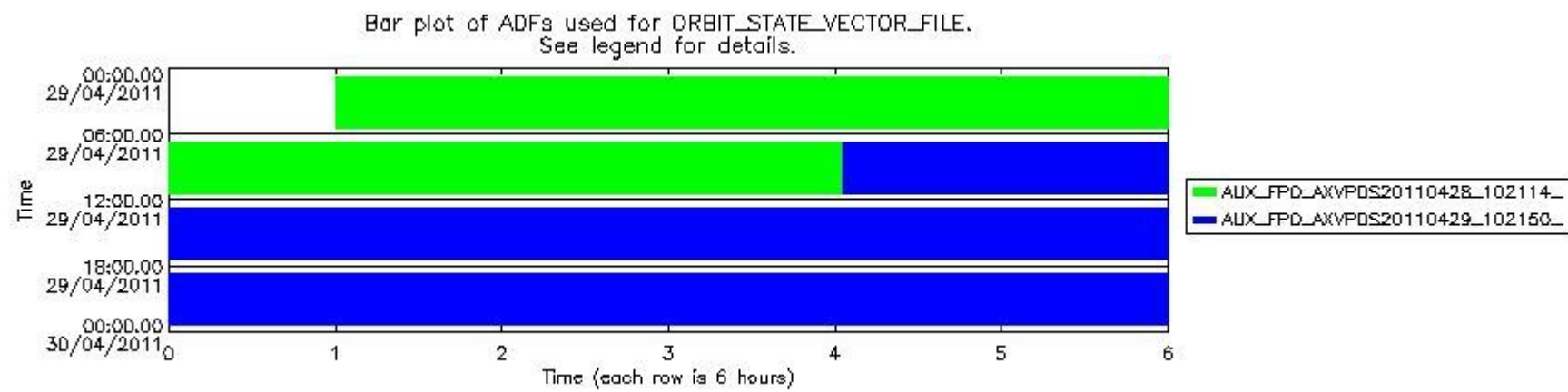
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110428_102114_20110427_190756_20110507_212143
2	AUX_FPO_AXVPDS20110429_102150_20110428_183112_20110508_204459

Number	Product name	#CN0	#FPO
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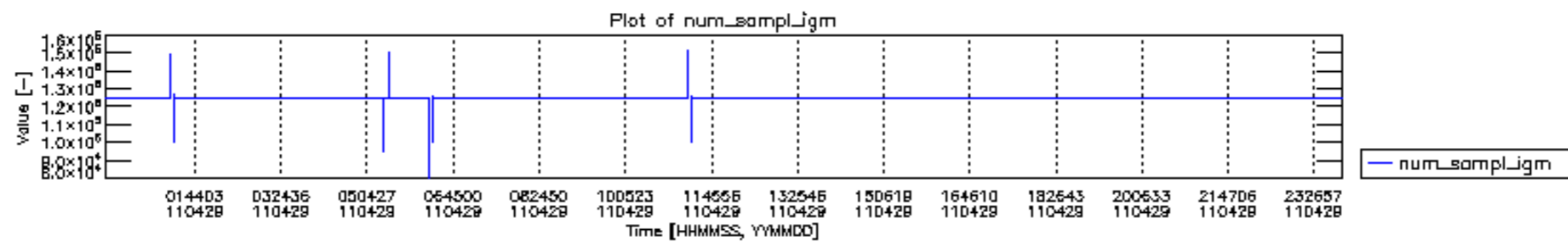
0	MIP_NL__0PNPDE20110429_010008_000102543102_00045_47904_3534.N1	0	1
1	MIP_NL__0PNPDE20110429_035027_000062483102_00047_47906_3535.N1	0	1
2	MIP_NL__0PNPDE20110429_053359_000060533102_00048_47907_3536.N1	0	1
3	MIP_NL__0PNPDE20110429_062038_000032553102_00049_47908_3537.N1	0	2
4	MIP_NL__0PNPDK20110429_071409_000040553102_00049_47908_4988.N1	0	1
5	MIP_NL__0PNPDK20110429_082112_000061443102_00050_47909_4989.N1	0	1
6	MIP_NL__0PNPDK20110429_100252_000059323102_00051_47910_4990.N1	0	2
7	MIP_NL__0PNPDK20110429_114100_000059913102_00052_47911_4991.N1	0	2
8	MIP_NL__0PNPDK20110429_132018_000058623102_00053_47912_4992.N1	0	2
9	MIP_NL__0PNPDK20110429_145720_000058663102_00054_47913_4993.N1	0	2
10	MIP_NL__0PNPDK20110429_163349_000059273102_00055_47914_4994.N1	0	2
11	MIP_NL__0PNPDK20110429_181131_000058973102_00056_47915_4995.N1	0	2
12	MIP_NL__0PNPDE20110429_194818_000041973102_00057_47916_3538.N1	0	2
13	MIP_NL__0PNPDE20110429_205706_000064513102_00057_47916_3539.N1	0	2
14	MIP_NL__0PNPDE20110429_224332_000061213102_00058_47917_3540.N1	0	2

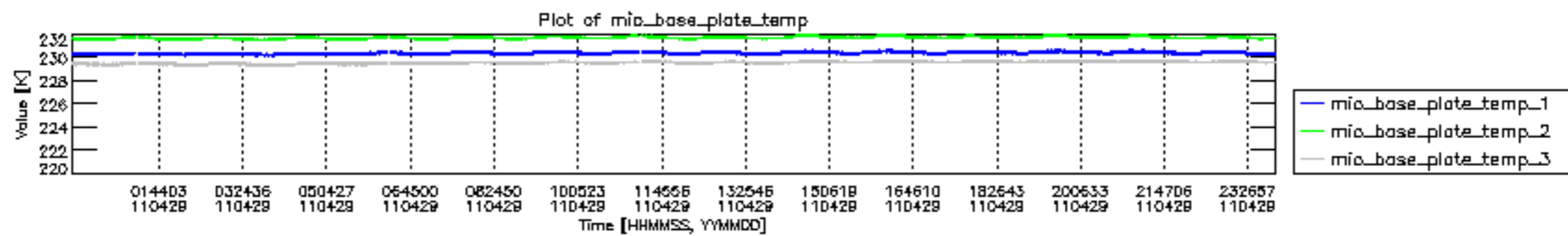


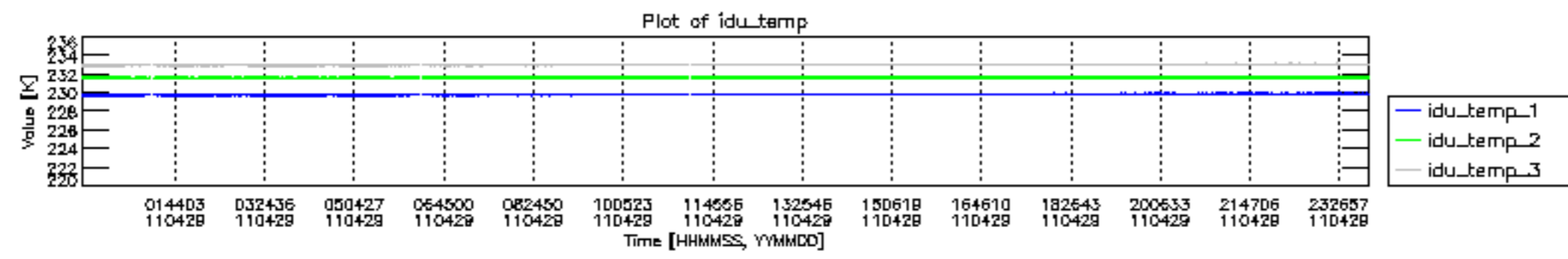
mipas_daily_report_level0_KSPT_L0_4504_N_20110429_12.PNG

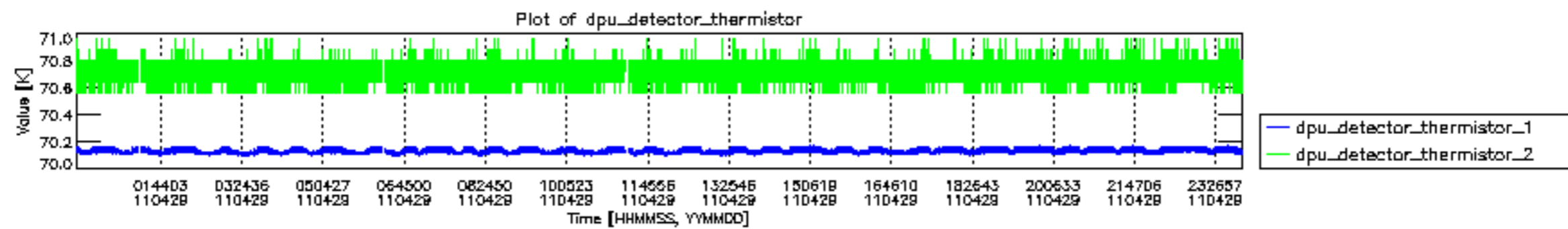


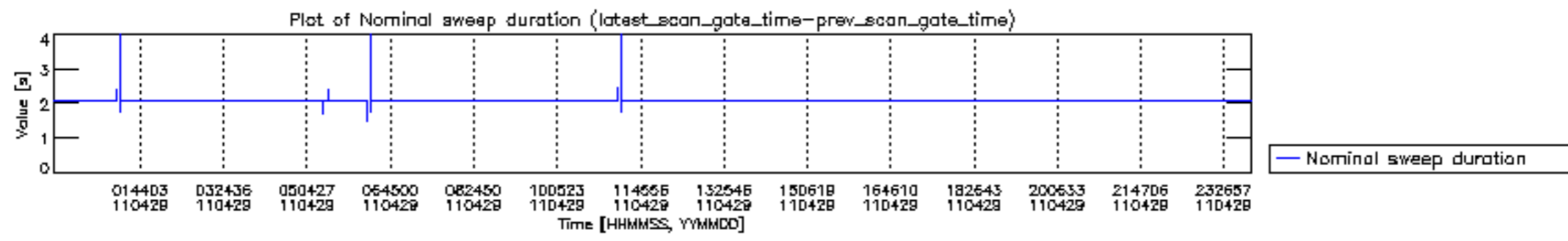
mipas_daily_report_level0_KSPT_L0_4504_N_20110429_13.PNG

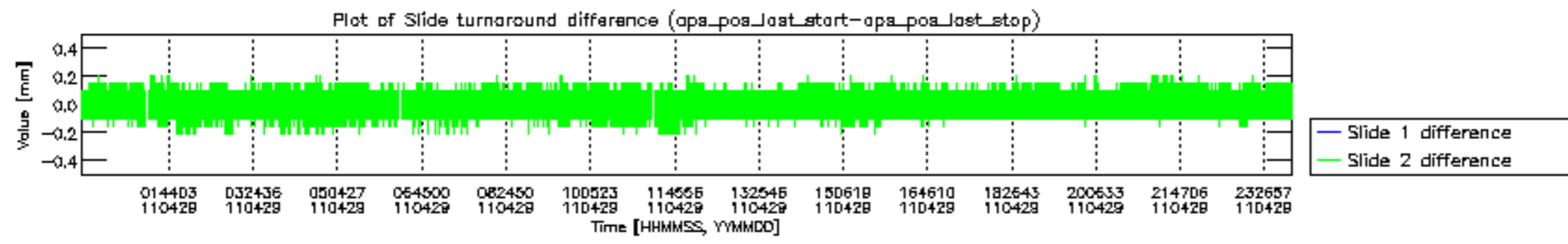


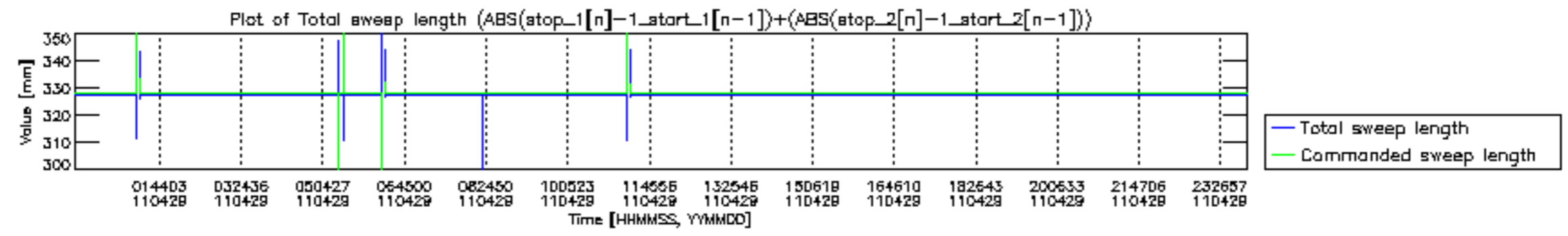


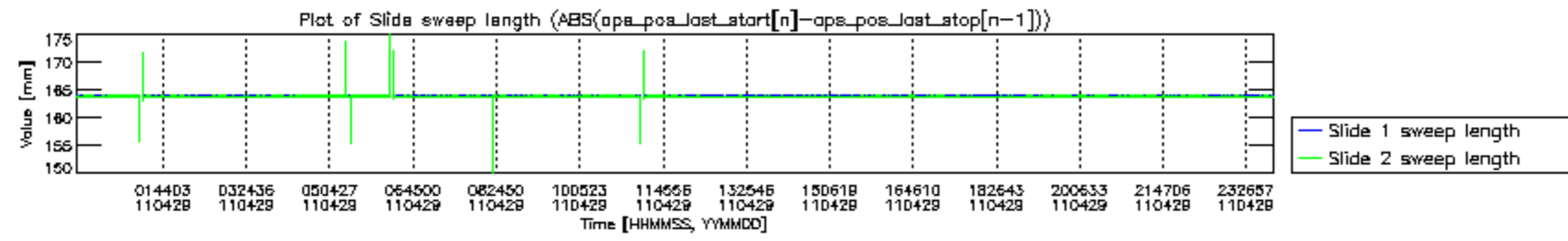


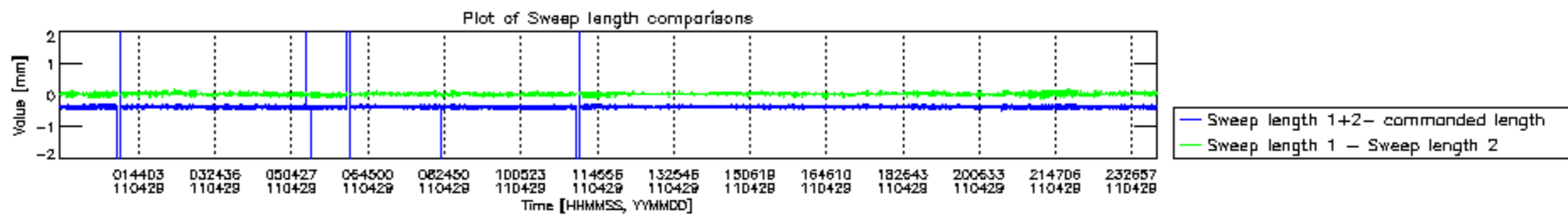


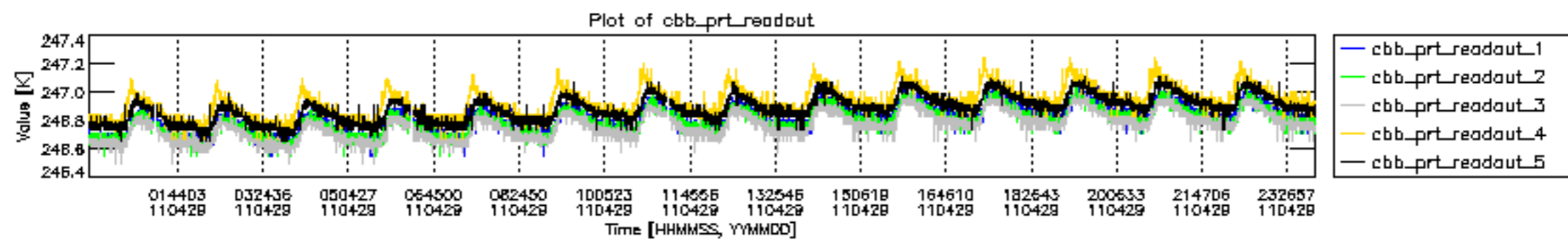


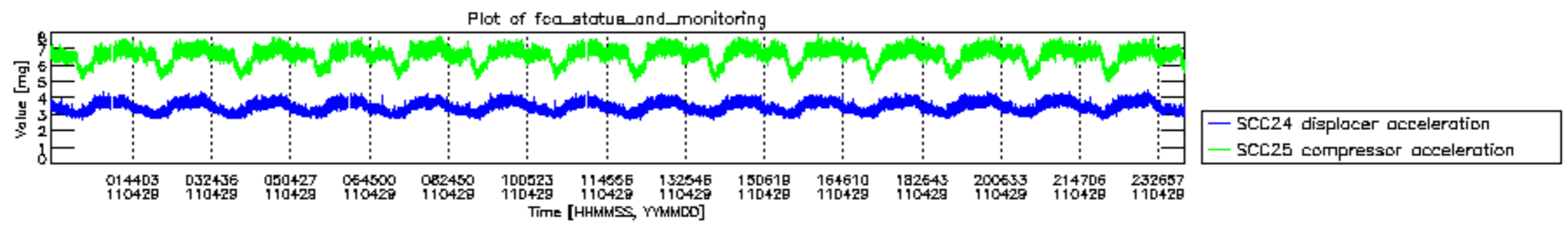












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

