

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	15APR2011 05:24:00
Data source version	KSPT_L0/4504-N
Processing scope for products	10APR2011 00:00:00 to 11APR2011 00:00:00
Start time of first product within scope	10APR2011 00:57:34
Stop time of last product within scope	11APR2011 00:20:29
Total number of level 0 products	21
Number of level 0 products with errors	2

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

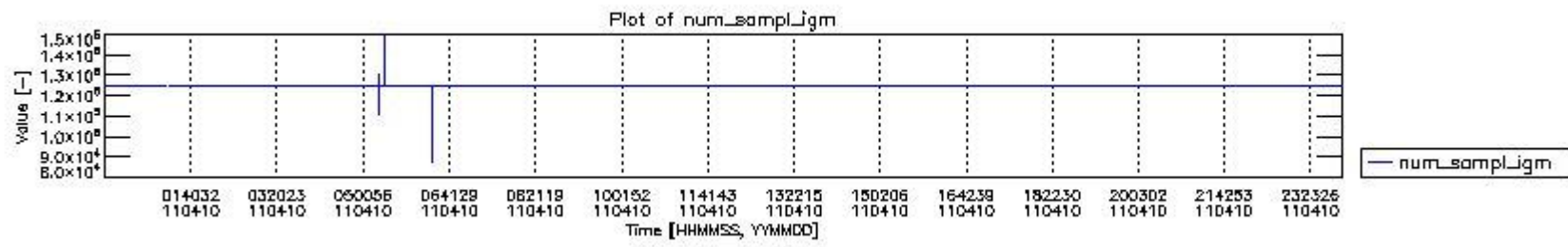
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110410_005734_000008613101_00203_47631_3389.N1	10APR2011 00:57:34	10APR2011 01:11:54	0	0	0	0	0
1	MIP_NL__0PNPDE20110410_011618_000014023101_00204_47632_3390.N1	10APR2011 01:16:18	10APR2011 01:39:39	0	0	0	0	0
2	MIP_NL__0PNPDE20110410_013941_000076733101_00204_47632_3391.N1	10APR2011 01:39:41	10APR2011 03:47:34	0	0	0	0	0
3	MIP_NL__0PNPDE20110410_034701_000062053101_00205_47633_3393.N1	10APR2011 03:47:01	10APR2011 05:30:26	0	0	0	0	0
4	MIP_NL__0PNPDE20110410_052952_000060343101_00206_47634_3395.N1	10APR2011 05:29:52	10APR2011 07:10:26	0	0	0	0	0
5	MIP_NL__0PNPDK20110410_063521_000004393101_00207_47635_4787.N1	10APR2011 06:35:21	10APR2011 06:42:39	0	0	0	0	0
6	MIP_NL__0PNPDK20110410_070953_000041153101_00207_47635_4788.N1	10APR2011 07:09:53	10APR2011 08:18:28	0	0	0	0	0
7	MIP_NL__0PNPDK20110410_081755_000060123101_00208_47636_4789.N1	10APR2011 08:17:55	10APR2011 09:58:07	0	0	0	0	0
8	MIP_NL__0PNPDK20110410_095807_000000043101_00209_47637_4792.N1	10APR2011 09:58:07	10APR2011 09:58:11	1	1	0	0	0
9	MIP_NL__0PNPDK20110410_095811_000000023101_00209_47637_4797.N1	10APR2011 09:58:11	10APR2011 09:58:13	1	1	0	0	0
10	MIP_NL__0PNPDK20110410_095813_000000003101_00209_47637_4802.N1	10APR2011 09:58:13	10APR2011 09:58:13	0	0	0	0	0
11	MIP_NL__0PNPDK20110410_095815_000000633101_00209_47637_4807.N1	10APR2011 09:58:15	10APR2011 09:59:18	0	0	0	0	0
12	MIP_NL__0PNPDK20110410_095834_000059703101_00209_47637_4811.N1	10APR2011 09:58:34	10APR2011 11:38:05	0	0	0	0	0
13	MIP_NL__0PNPDK20110410_113721_000060103101_00210_47638_4812.N1	10APR2011 11:37:21	10APR2011 13:17:31	0	0	0	0	0
14	MIP_NL__0PNPDK20110410_131647_000058123101_00211_47639_4813.N1	10APR2011 13:16:47	10APR2011 14:53:39	0	0	0	0	0
15	MIP_NL__0PNPDK20110410_145202_000060143101_00212_47640_4814.N1	10APR2011 14:52:02	10APR2011 16:32:17	0	0	0	0	0
16	MIP_NL__0PNPDK20110410_163041_000059083101_00213_47641_4815.N1	10APR2011 16:30:41	10APR2011 18:09:08	0	0	0	0	0
17	MIP_NL__0PNPDK20110410_180812_000059913101_00214_47642_4816.N1	10APR2011 18:08:12	10APR2011 19:48:03	0	0	0	0	0
18	MIP_NL__0PNPDE20110410_194631_000041783101_00215_47643_3397.N1	10APR2011 19:46:31	10APR2011 20:56:09	0	0	0	0	0
19	MIP_NL__0PNPDE20110410_205509_000063363101_00215_47643_3398.N1	10APR2011 20:55:09	10APR2011 22:40:44	0	0	0	0	0
20	MIP_NL__0PNPDE20110410_223908_000060813101_00216_47644_3399.N1	10APR2011 22:39:08	11APR2011 00:20:29	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

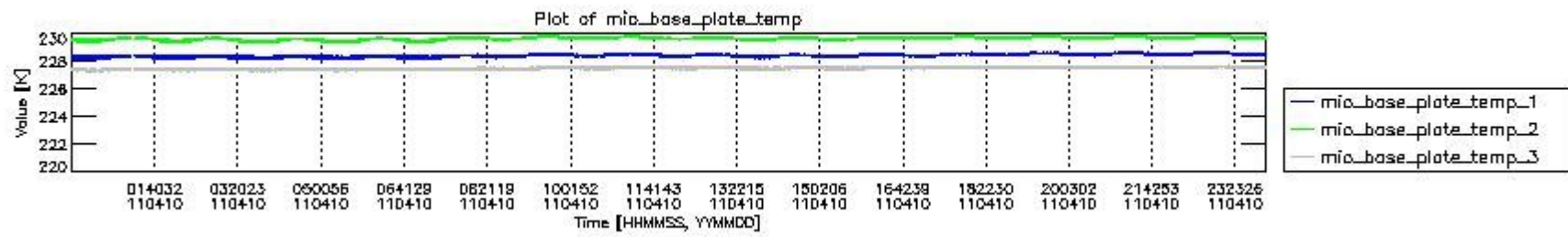
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

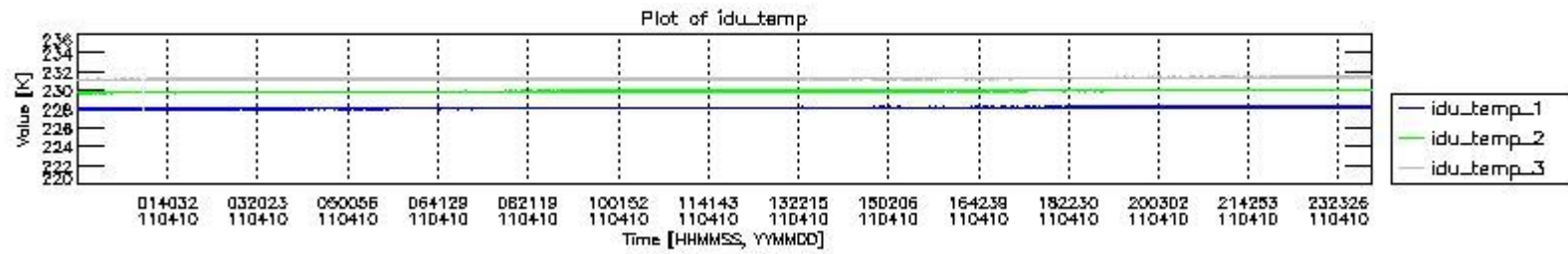
Number of igm samples	Count [#]	Count [%]
87500	1	0.0024111492
96084	1	0.0024111492
110730	1	0.0024111492
116216	1	0.0024111492
116792	1	0.0024111492
124800	38524	92.887110
124803	2941	7.0911897
127233	1	0.0024111492
130862	1	0.0024111492
147365	1	0.0024111492
149798	1	0.0024111492



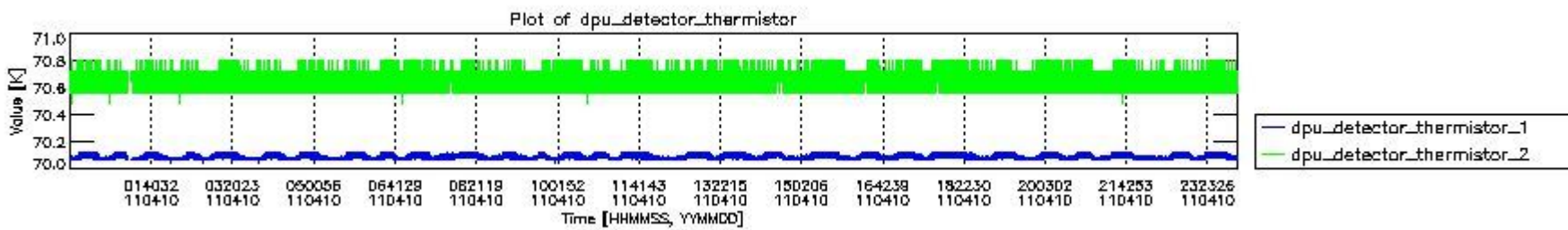
mipas_daily_report_level0_KSPT_L0_4504_N_20110410_0.PNG



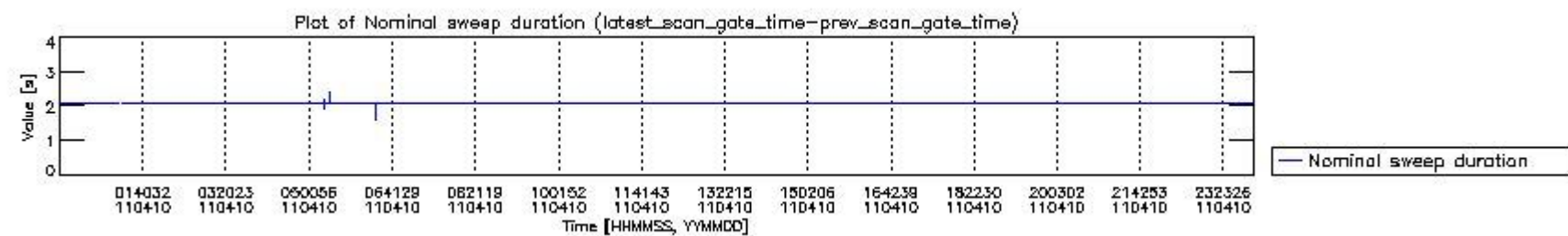
mipas_daily_report_level0_KSPT_L0_4504_N_20110410_1.PNG



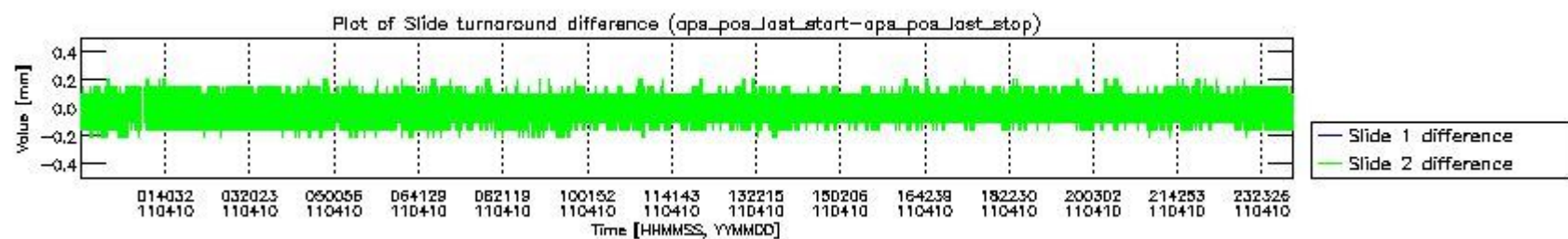
mipas_daily_report_level0_KSPT_L0_4504_N_20110410_2.PNG



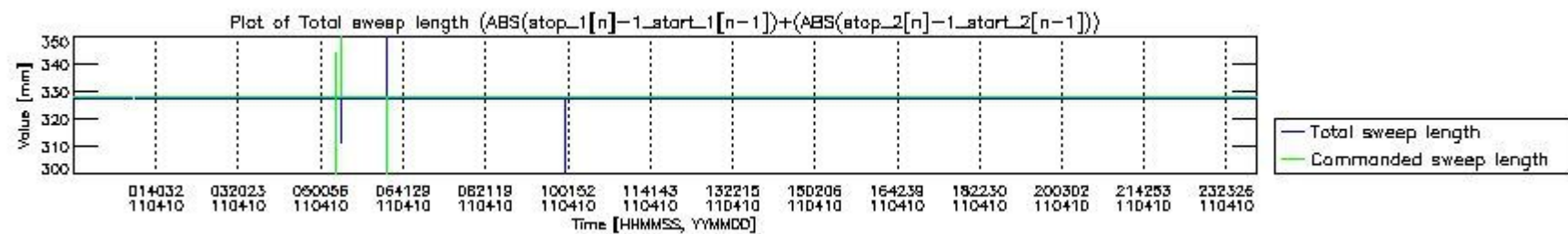
mipas_daily_report_level0_KSPT_L0_4504_N_20110410_3.PNG



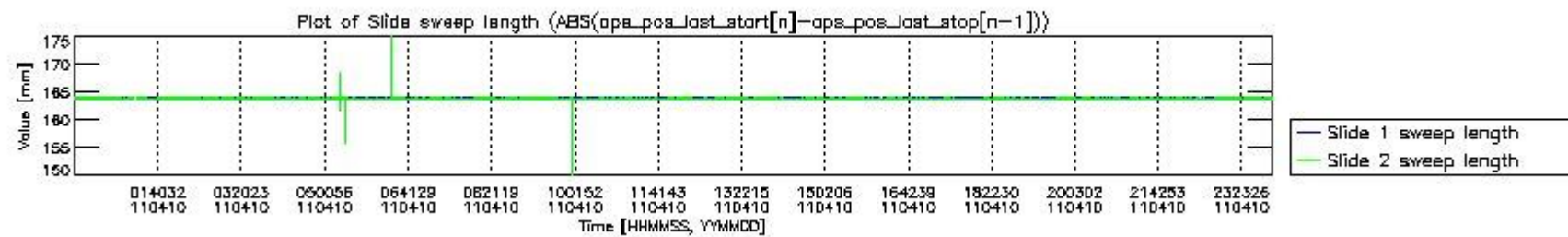
mipas_daily_report_level0_KSPT_L0_4504_N_20110410_4.PNG



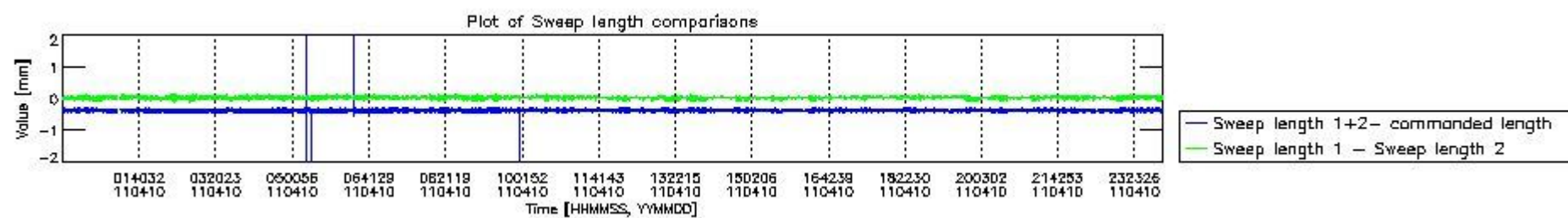
mipas_daily_report_level0_KSPT_L0_4504_N_20110410_5.PNG



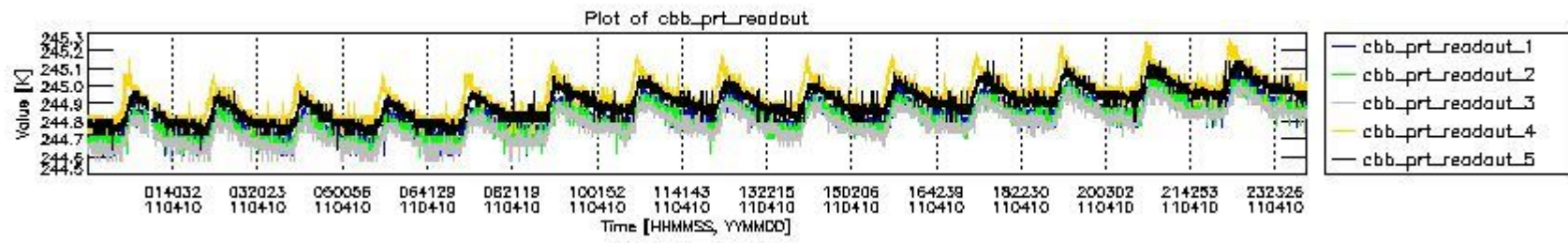
mipas_daily_report_level0_KSPT_L0_4504_N_20110410_6.PNG



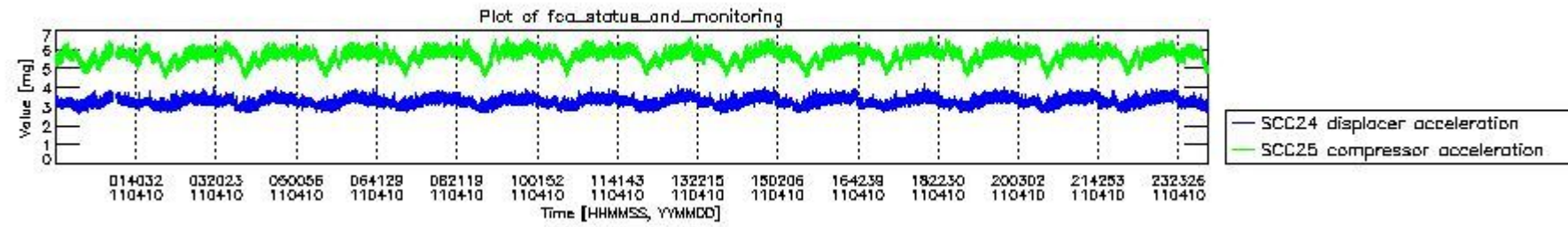
mipas_daily_report_level0_KSPT_L0_4504_N_20110410_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110410_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110410_9.PNG

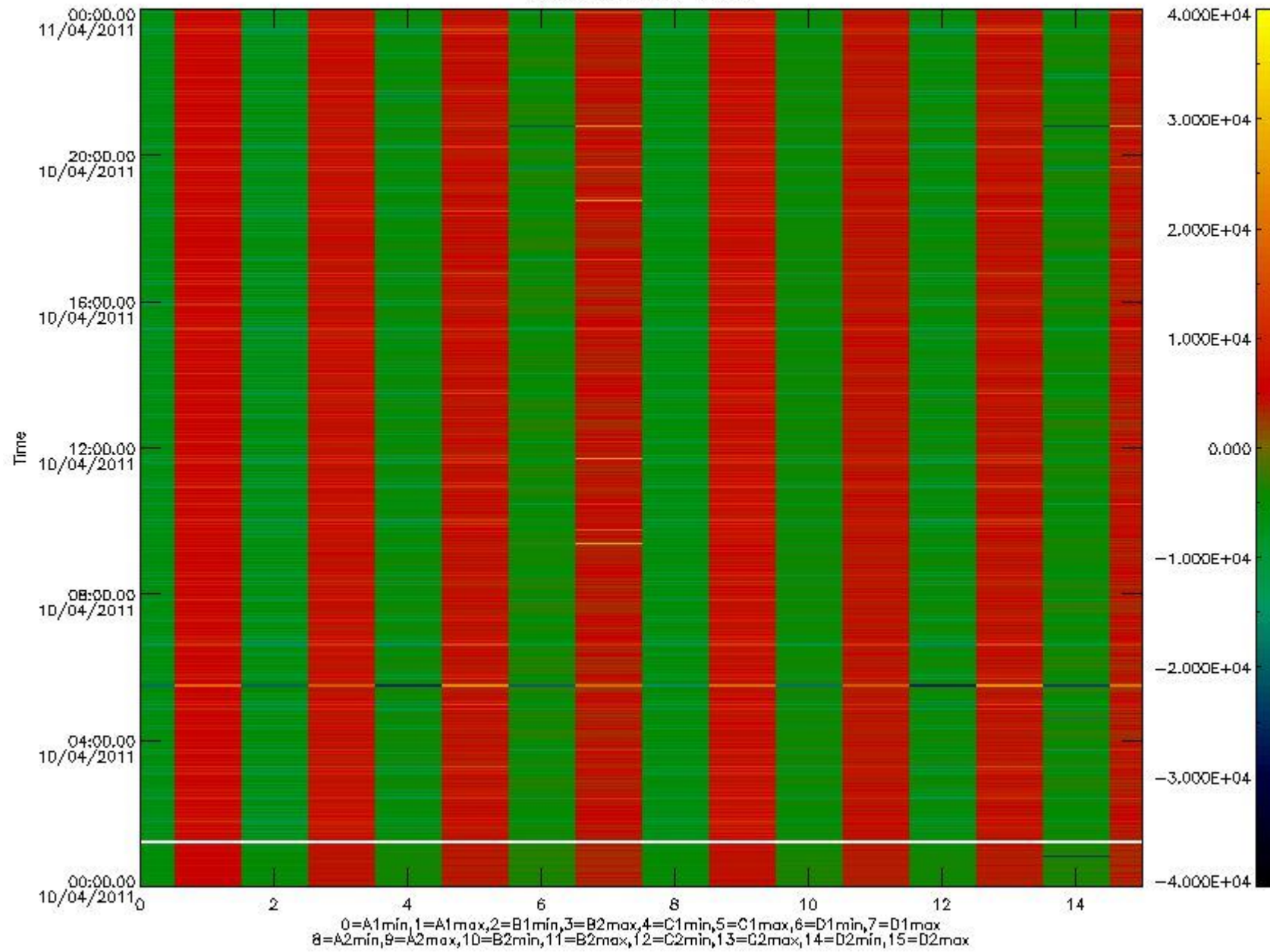


mipas_daily_report_level0_KSPT_L0_4504_N_20110410_10.PNG

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

Channel	Min	Max	ADC
A1	-18676	20057	16bit
B1	-20709	17669	16bit
C1	-24757	24599	16bit
D1	-32768	32767	16bit
A2	-16037	20079	16bit
B2	-19095	18420	16bit
C2	-25752	25341	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_20110410_11.PNG

0.3 ADF monitoring

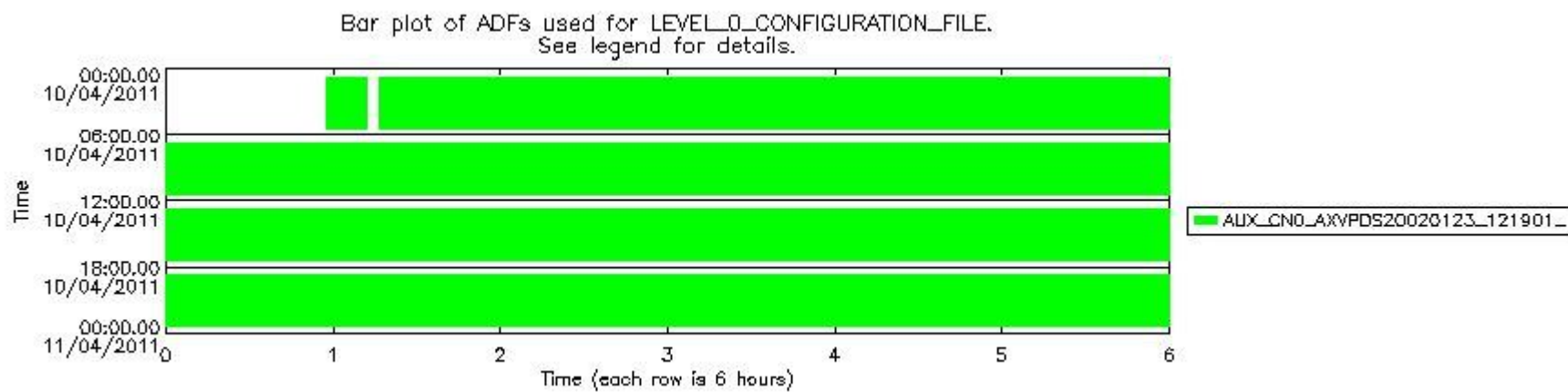
The use of ADFs is shown in two ways:

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.

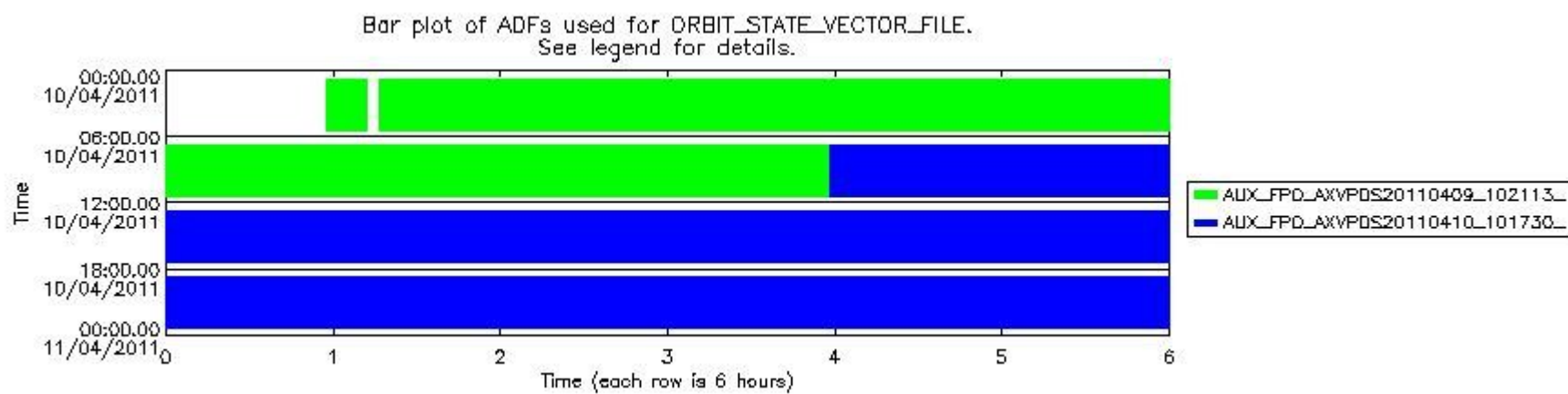
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110409_102113_20110408_190416_20110418_211805
2	AUX_FPO_AXVPDS20110410_101730_20110409_182731_20110419_204121

Number	Product name	#CN0	#FPO
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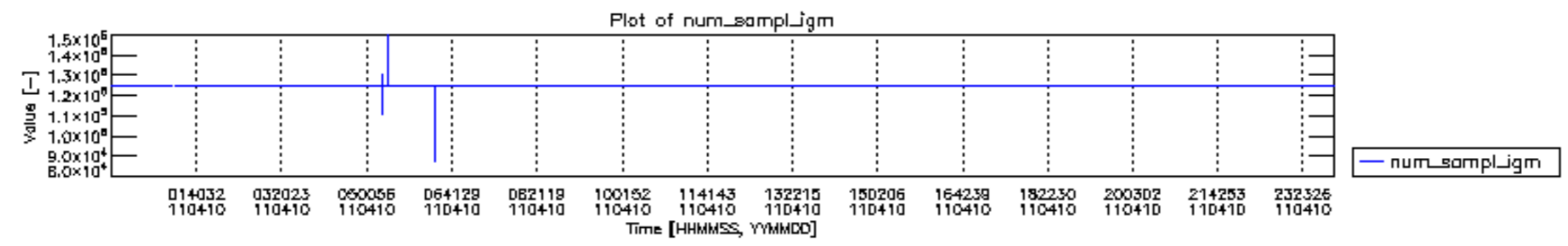
0	MIP_NL__0PNPDE20110410_005734_000008613101_00203_47631_3389.N1	0	1
1	MIP_NL__0PNPDE20110410_011618_000014023101_00204_47632_3390.N1	0	1
2	MIP_NL__0PNPDE20110410_013941_000076733101_00204_47632_3391.N1	0	1
3	MIP_NL__0PNPDE20110410_034701_000062053101_00205_47633_3393.N1	0	1
4	MIP_NL__0PNPDE20110410_052952_000060343101_00206_47634_3395.N1	0	1
5	MIP_NL__0PNPDK20110410_063521_000004393101_00207_47635_4787.N1	0	1
6	MIP_NL__0PNPDK20110410_070953_000041153101_00207_47635_4788.N1	0	1
7	MIP_NL__0PNPDK20110410_081755_000060123101_00208_47636_4789.N1	0	1
8	MIP_NL__0PNPDK20110410_095807_000000043101_00209_47637_4792.N1	0	1
9	MIP_NL__0PNPDK20110410_095811_000000023101_00209_47637_4797.N1	0	1
10	MIP_NL__0PNPDK20110410_095813_000000003101_00209_47637_4802.N1	0	1
11	MIP_NL__0PNPDK20110410_095815_000000633101_00209_47637_4807.N1	0	1
12	MIP_NL__0PNPDK20110410_095834_000059703101_00209_47637_4811.N1	0	2
13	MIP_NL__0PNPDK20110410_113721_000060103101_00210_47638_4812.N1	0	2
14	MIP_NL__0PNPDK20110410_131647_000058123101_00211_47639_4813.N1	0	2
15	MIP_NL__0PNPDK20110410_145202_000060143101_00212_47640_4814.N1	0	2
16	MIP_NL__0PNPDK20110410_163041_000059083101_00213_47641_4815.N1	0	2
17	MIP_NL__0PNPDK20110410_180812_000059913101_00214_47642_4816.N1	0	2
18	MIP_NL__0PNPDE20110410_194631_000041783101_00215_47643_3397.N1	0	2
19	MIP_NL__0PNPDE20110410_205509_000063363101_00215_47643_3398.N1	0	2
20	MIP_NL__0PNPDE20110410_223908_000060813101_00216_47644_3399.N1	0	2

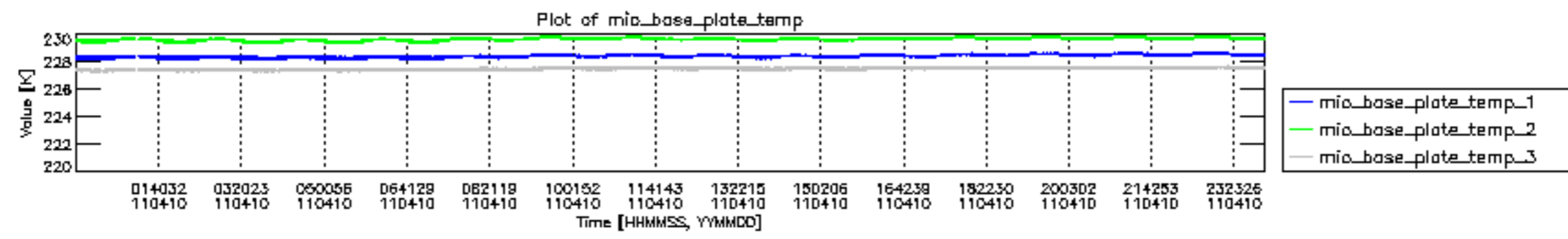


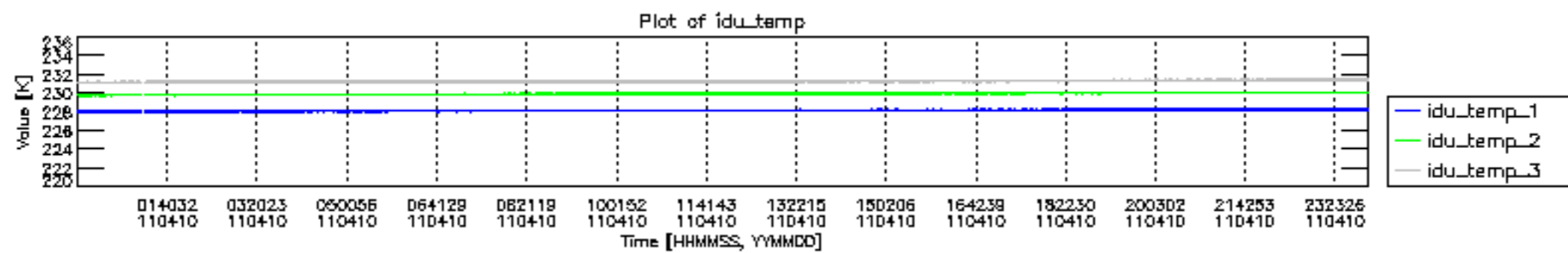
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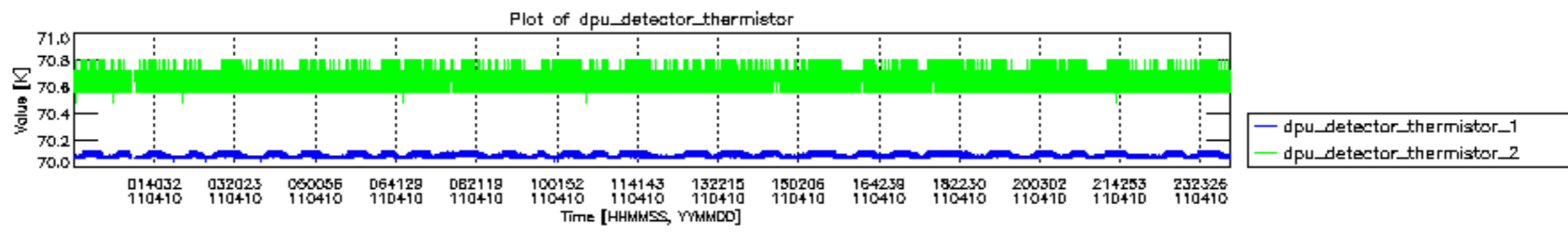


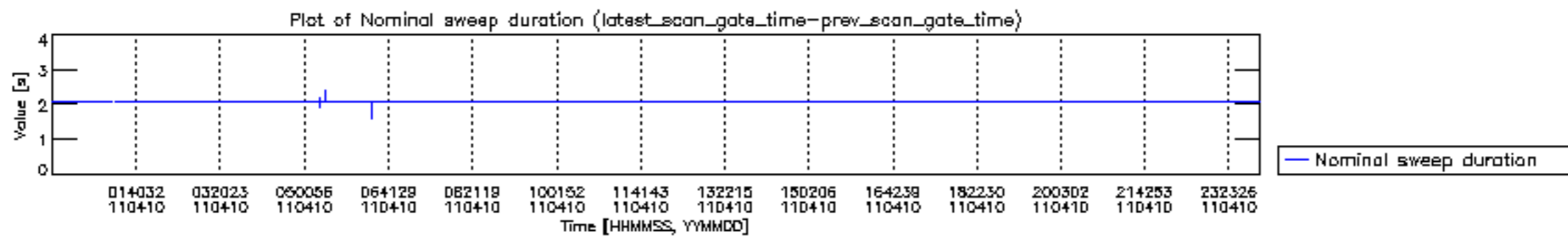
mipas_daily_report_level0_KSPT_L0_4504_N_20110410_13.PNG

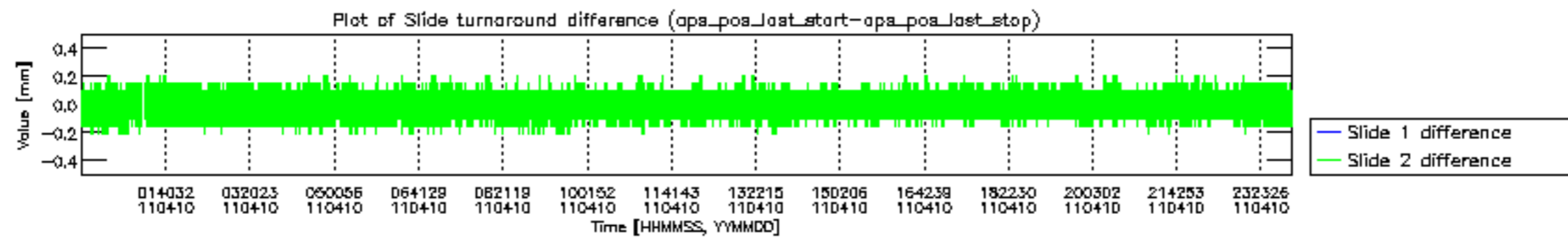


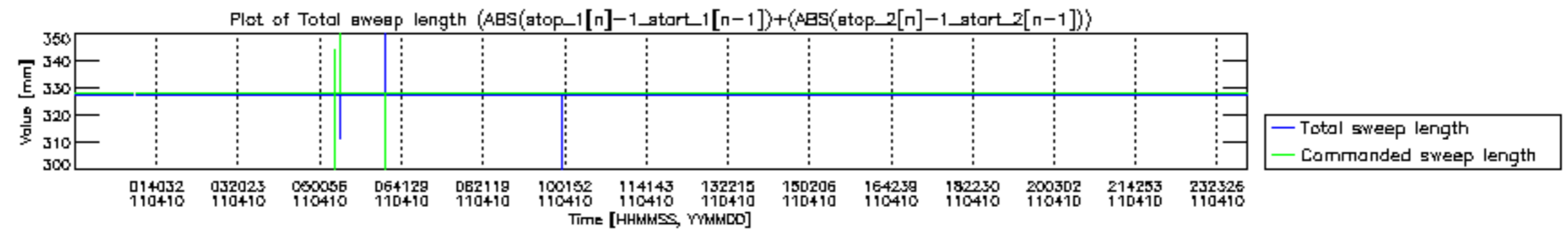


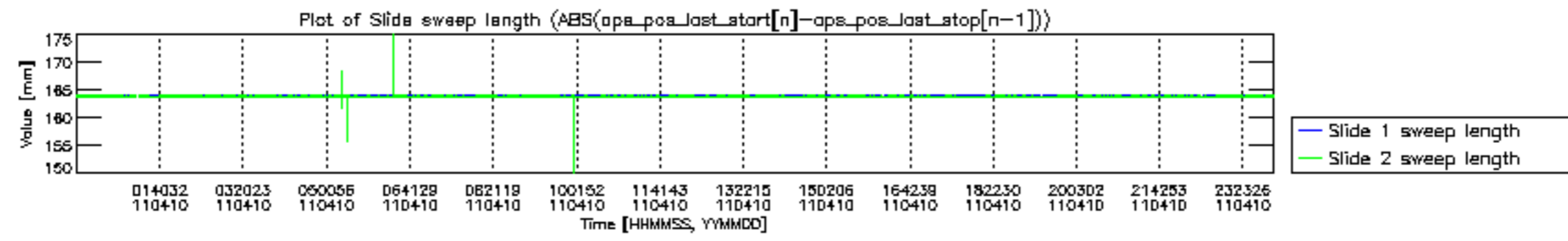


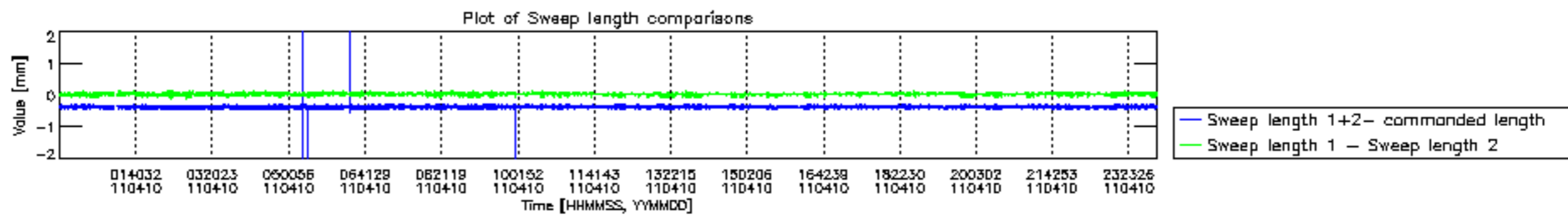


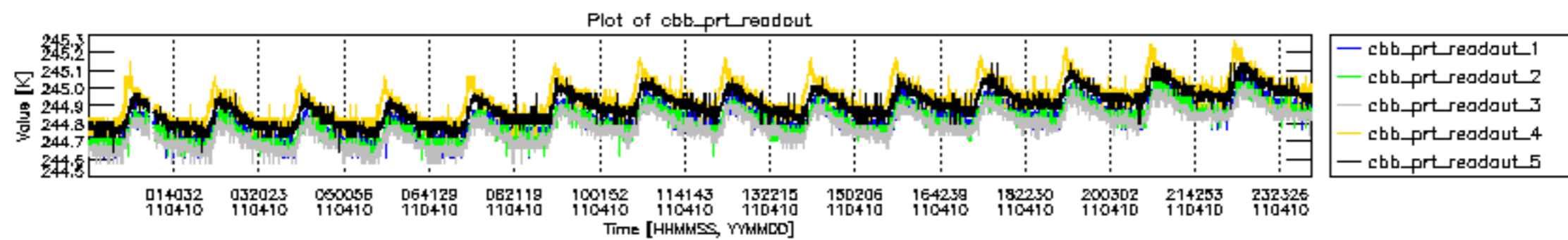


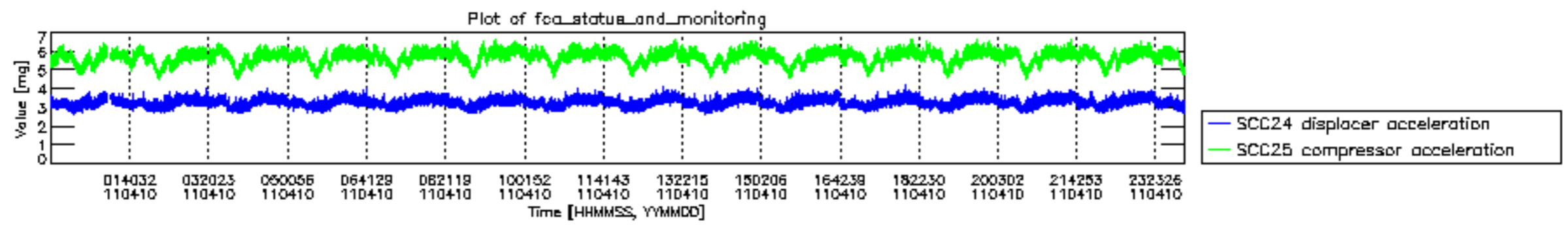












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

