

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	03JUN2011 05:23:57
Data source version	KSPT_L0/4504-N
Processing scope for products	29MAY2011 00:00:00 to 30MAY2011 00:00:00
Start time of first product within scope	29MAY2011 00:59:35
Stop time of last product within scope	30MAY2011 00:24:00
Total number of level 0 products	16
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__0PNPDE20110529_005935_000102973103_00045_48335_8808.N1	29MAY2011 00:59:35	29MAY2011 03:51:12	0	0	0	0	0
1	MIP_NL__0PNPDE20110529_035039_000062653103_00047_48337_8809.N1	29MAY2011 03:50:39	29MAY2011 05:35:04	0	0	0	0	0
2	MIP_NL__0PNPDE20110529_053422_000060293103_00048_48338_8810.N1	29MAY2011 05:34:22	29MAY2011 07:14:51	0	0	0	0	0
3	MIP_NL__0PNPDK20110529_071413_000000423103_00049_48339_5272.N1	29MAY2011 07:14:13	29MAY2011 07:14:55	0	0	0	0	0
4	MIP_NL__0PNPDK20110529_071455_000000943103_00049_48339_5273.N1	29MAY2011 07:14:55	29MAY2011 07:16:29	0	0	0	0	0
5	MIP_NL__0PNPDK20110529_071629_000038923103_00049_48339_5274.N1	29MAY2011 07:16:29	29MAY2011 08:21:21	0	0	0	0	0
6	MIP_NL__0PNPDK20110529_082047_000061083103_00050_48340_5275.N1	29MAY2011 08:20:47	29MAY2011 10:02:36	0	0	0	0	0
7	MIP_NL__0PNPDK20110529_100154_000060023103_00051_48341_5276.N1	29MAY2011 10:01:54	29MAY2011 11:41:56	0	0	0	0	0
8	MIP_NL__0PNPDK20110529_114112_000059893103_00052_48342_5277.N1	29MAY2011 11:41:12	29MAY2011 13:21:01	1	1	0	0	0
9	MIP_NL__0PNPDK20110529_132030_000059163103_00053_48343_5278.N1	29MAY2011 13:20:30	29MAY2011 14:59:06	0	0	0	0	0
10	MIP_NL__0PNPDK20110529_145822_000058723103_00054_48344_5279.N1	29MAY2011 14:58:22	29MAY2011 16:36:14	0	0	0	0	0
11	MIP_NL__0PNPDK20110529_163533_000059163103_00055_48345_5280.N1	29MAY2011 16:35:33	29MAY2011 18:14:09	1	1	0	0	0
12	MIP_NL__0PNPDK20110529_181314_000058513103_00056_48346_5281.N1	29MAY2011 18:13:14	29MAY2011 19:50:46	0	0	0	0	0
13	MIP_NL__0PNPDE20110529_194908_000041073103_00057_48347_8811.N1	29MAY2011 19:49:08	29MAY2011 20:57:35	0	0	0	0	0
14	MIP_NL__0PNPDE20110529_205558_000064823103_00057_48347_8812.N1	29MAY2011 20:55:58	29MAY2011 22:44:01	0	0	0	0	0
15	MIP_NL__0PNPDE20110529_224254_000060663103_00058_48348_8813.N1	29MAY2011 22:42:54	30MAY2011 00:24:00	0	0	0	0	0

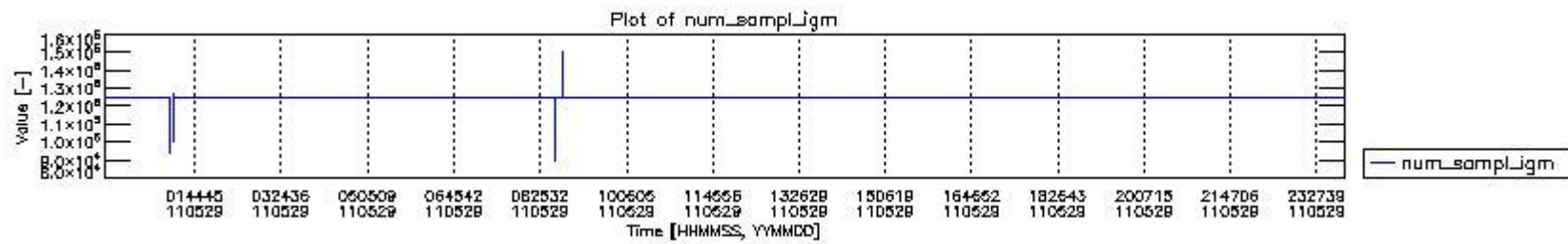
0.2 Instrument Operational Performance Parameters

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.

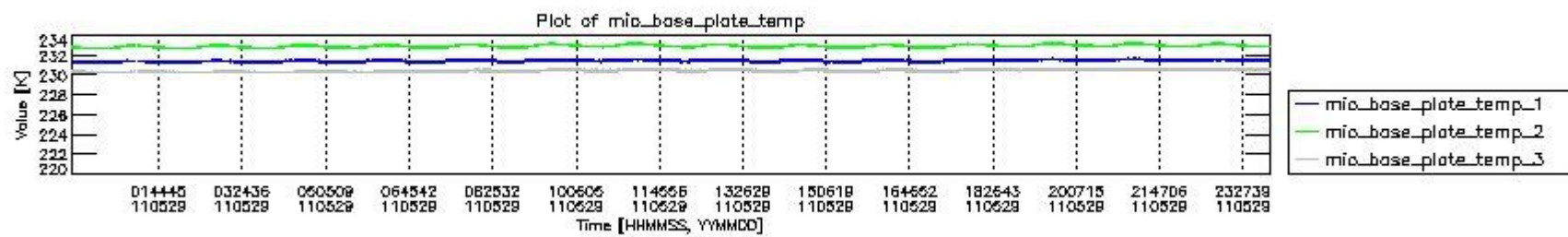
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
89582	1	0.0024113817
93596	1	0.0024113817

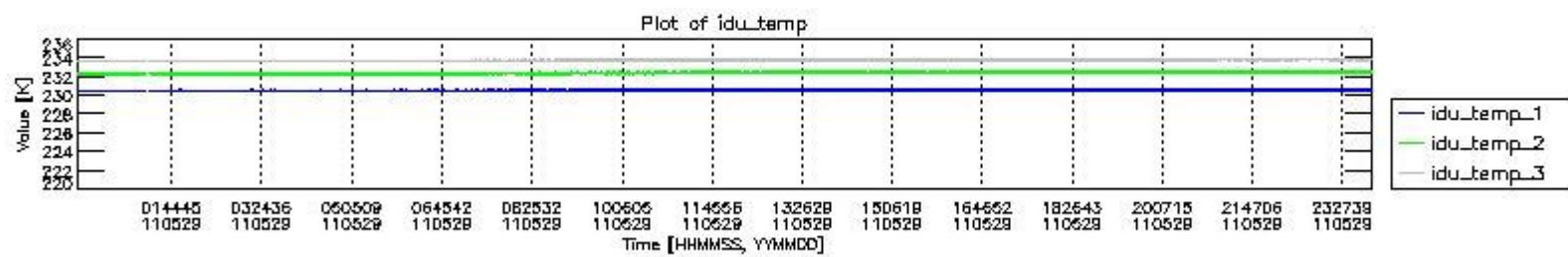
97125	1	0.0024113817
99132	1	0.0024113817
100483	1	0.0024113817
117257	1	0.0024113817
119264	1	0.0024113817
124800	38680	93.272245
124803	2778	6.6988184
125735	1	0.0024113817
126670	1	0.0024113817
127605	1	0.0024113817
147737	1	0.0024113817
150542	1	0.0024113817



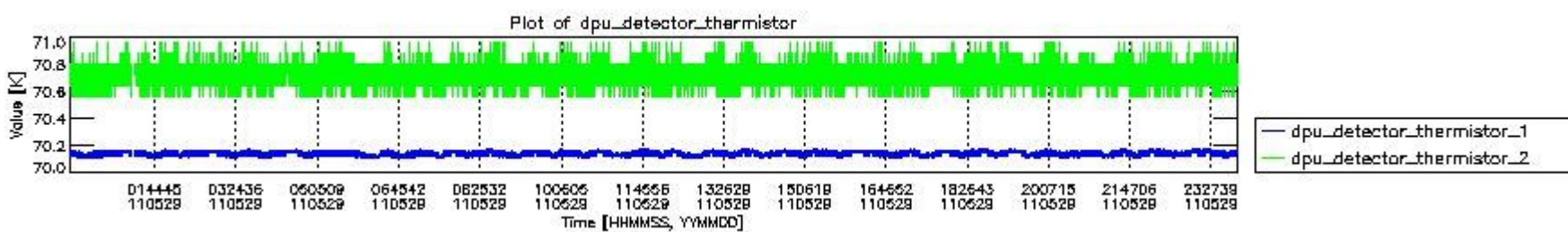
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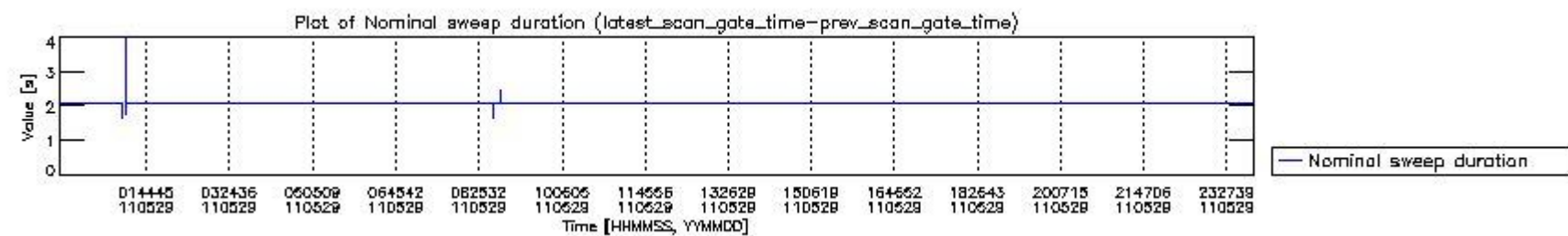
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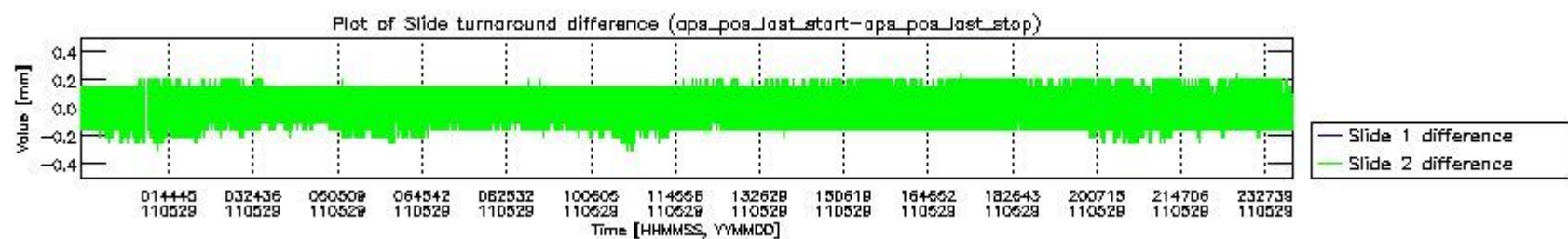
mipas_daily_report_level0_KSPT_L0_4504_N_20110529_2.PNG



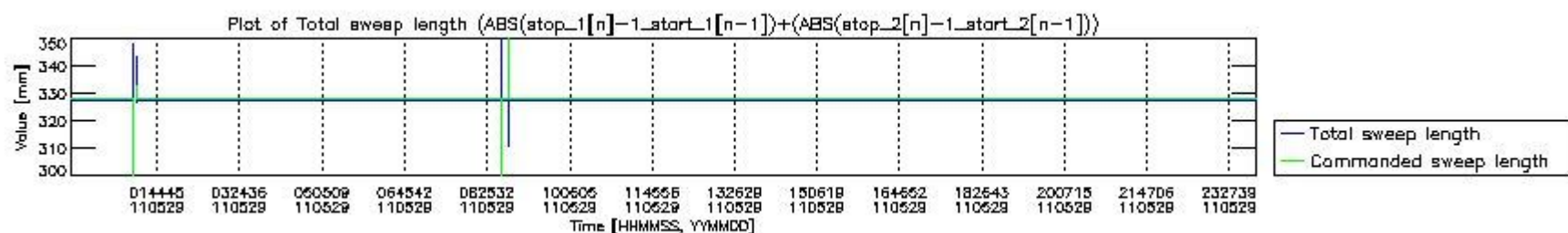
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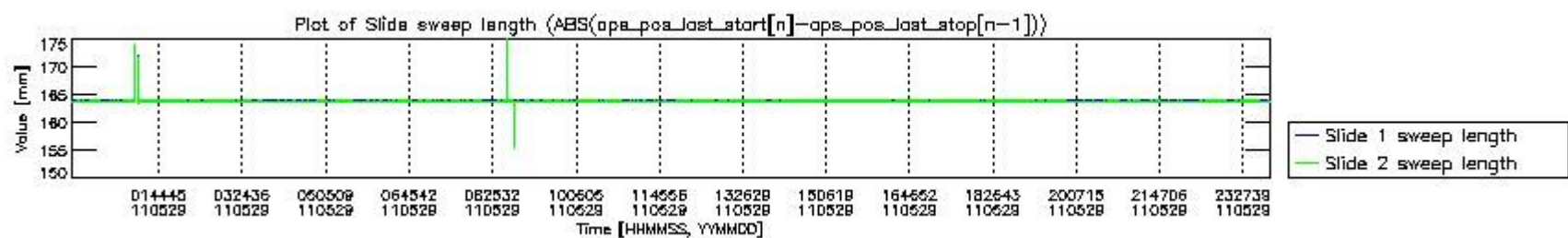
mipas_daily_report_level0_KSPT_L0_4504_N_20110529_4.PNG



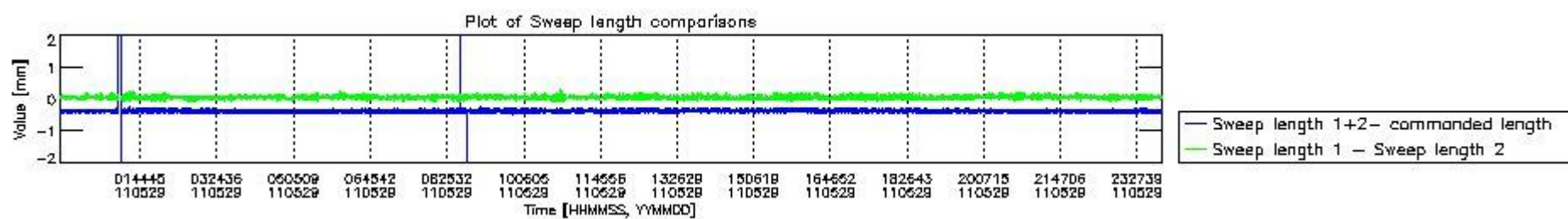
mipas_daily_report_level0_KSPT_L0_4504_N_20110529_5.PNG



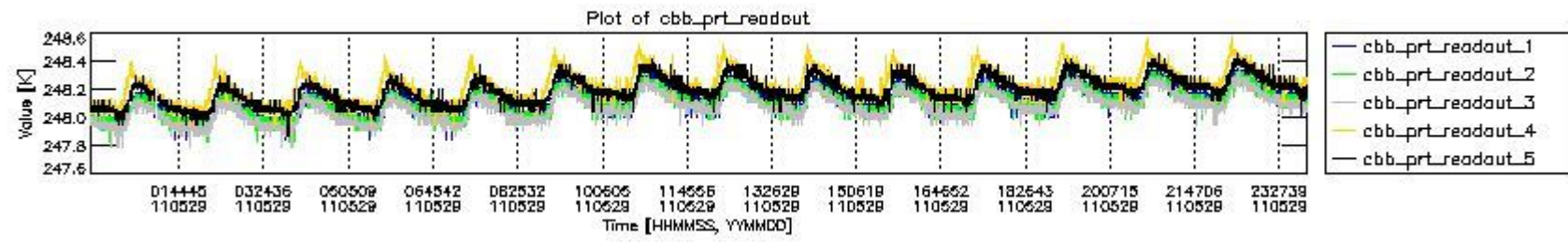
mipas_daily_report_level0_KSPT_L0_4504_N_20110529_6.PNG



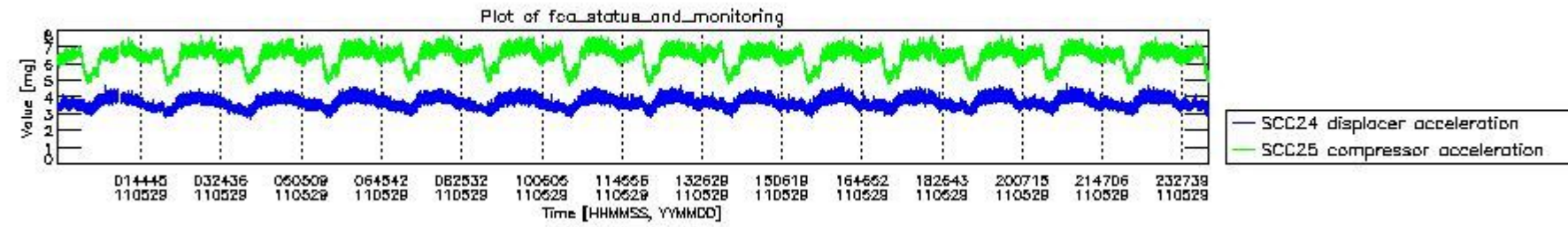
mipas_daily_report_level0_KSPT_L0_4504_N_20110529_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110529_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110529_9.PNG

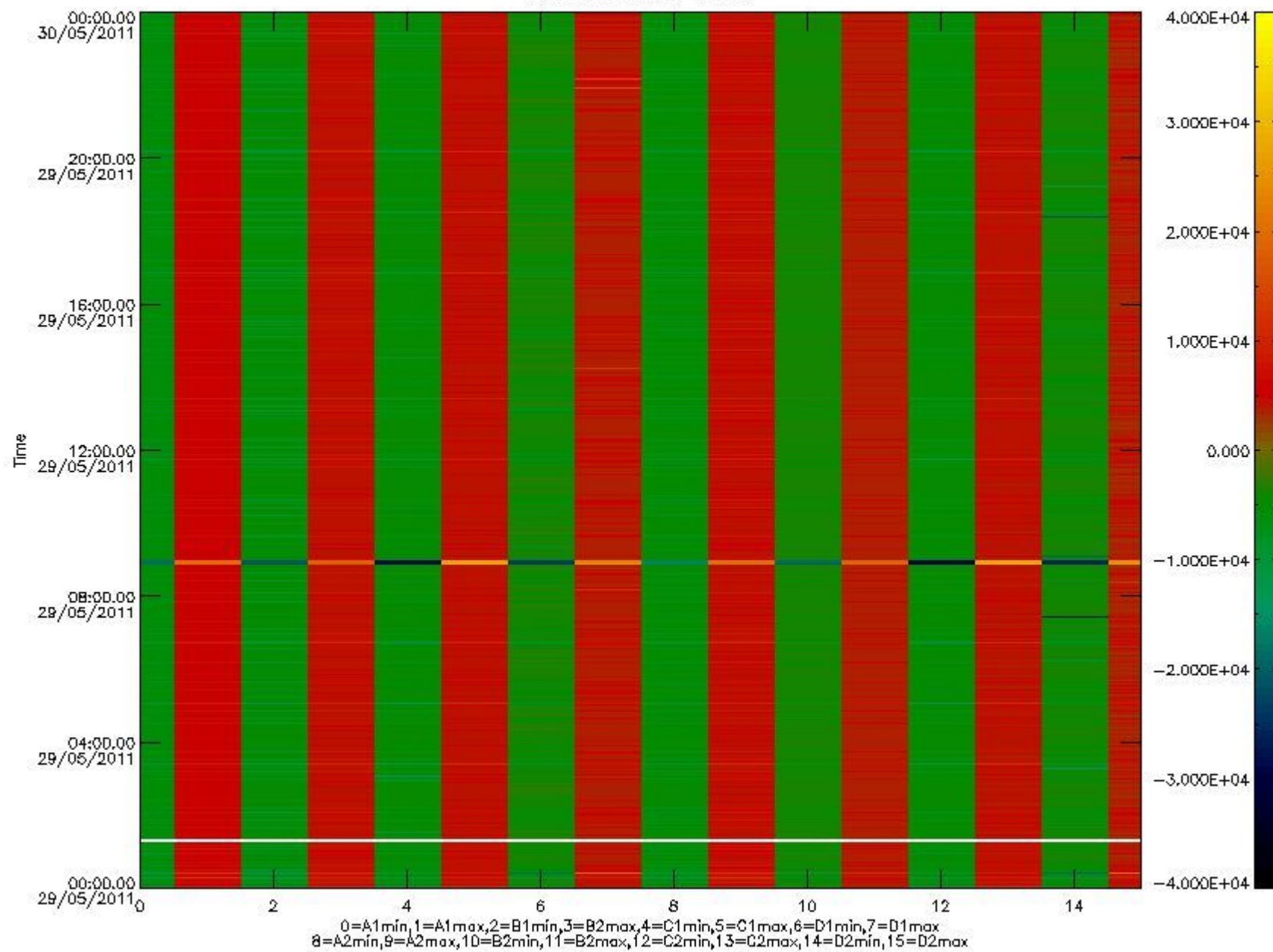


mipas_daily_report_level0_KSPT_L0_4504_N_20110529_10.PNG

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

Channel	Min	Max	ADC
A1	-19269	20541	16bit
B1	-21934	18742	16bit
C1	-28545	28428	16bit
D1	-30976	32767	16bit
A2	-16571	20621	16bit
B2	-20434	19953	16bit
C2	-29677	29268	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_20110529_11.PNG

0.3 ADF monitoring

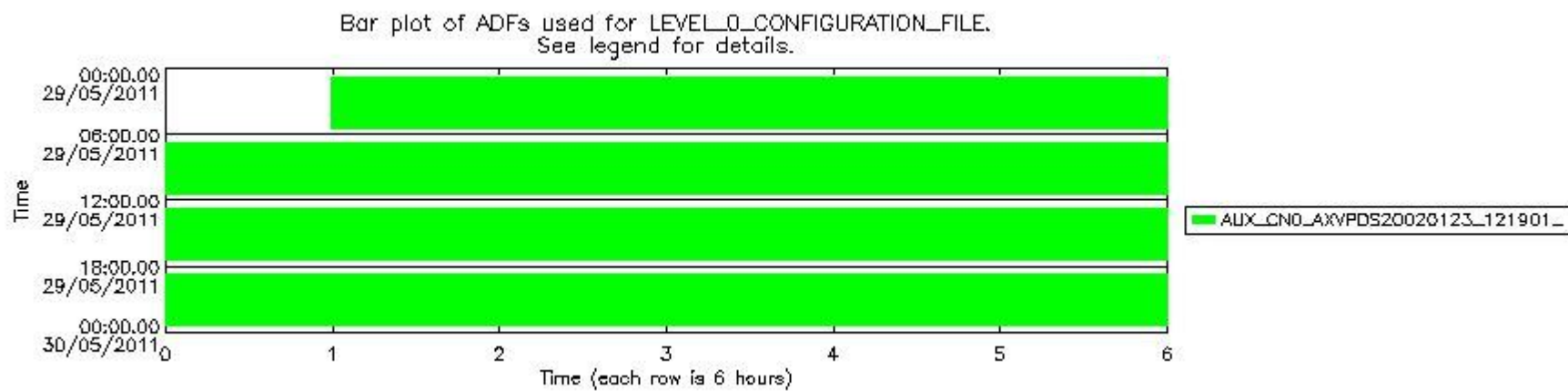
The use of ADFs is shown in two ways:

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.

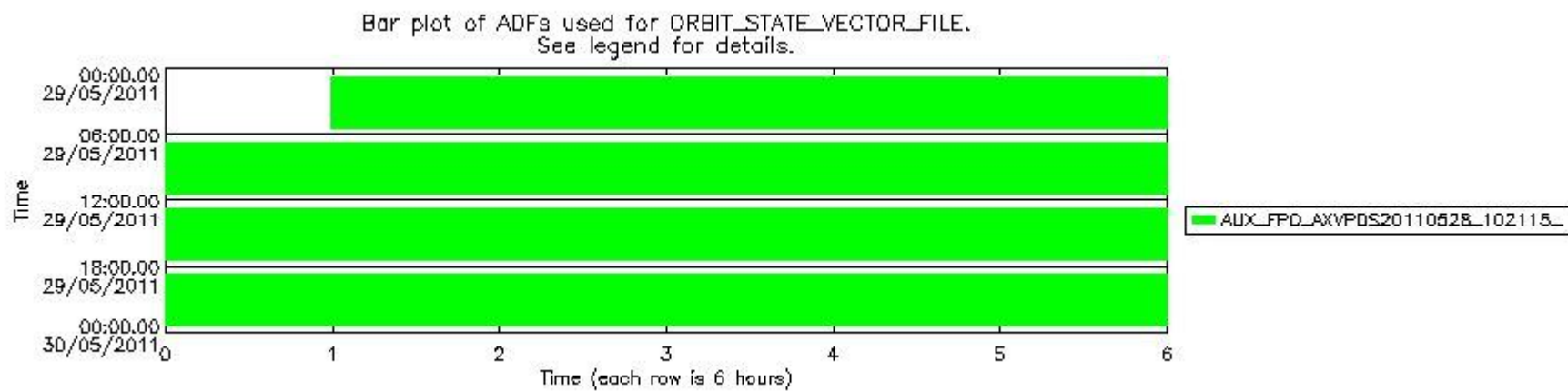
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110528_102115_20110527_190825_20110606_212212

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110529_005935_000102973103_00045_48335_8808.N1	0	1

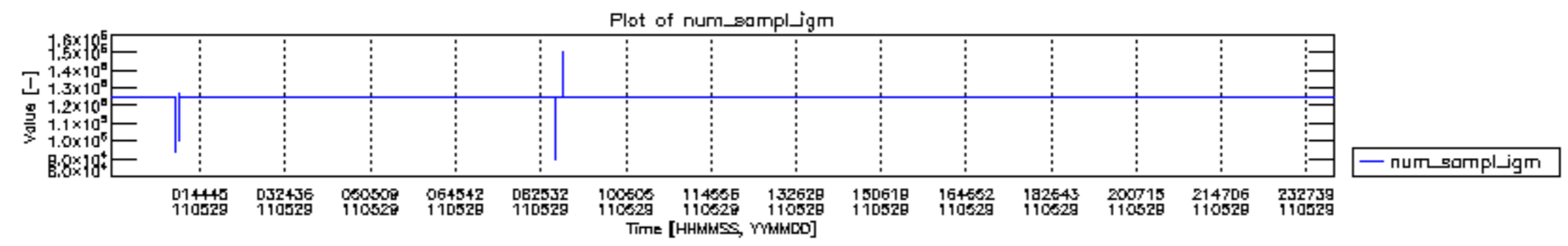
1	MIP_NL__0PNPDE20110529_035039_000062653103_00047_48337_8809.N1	0	1
2	MIP_NL__0PNPDE20110529_053422_000060293103_00048_48338_8810.N1	0	1
3	MIP_NL__0PNPDK20110529_071413_000000423103_00049_48339_5272.N1	0	1
4	MIP_NL__0PNPDK20110529_071455_000000943103_00049_48339_5273.N1	0	1
5	MIP_NL__0PNPDK20110529_071629_000038923103_00049_48339_5274.N1	0	1
6	MIP_NL__0PNPDK20110529_082047_000061083103_00050_48340_5275.N1	0	1
7	MIP_NL__0PNPDK20110529_100154_000060023103_00051_48341_5276.N1	0	1
8	MIP_NL__0PNPDK20110529_114112_000059893103_00052_48342_5277.N1	0	1
9	MIP_NL__0PNPDK20110529_132030_000059163103_00053_48343_5278.N1	0	1
10	MIP_NL__0PNPDK20110529_145822_000058723103_00054_48344_5279.N1	0	1
11	MIP_NL__0PNPDK20110529_163533_000059163103_00055_48345_5280.N1	0	1
12	MIP_NL__0PNPDK20110529_181314_000058513103_00056_48346_5281.N1	0	1
13	MIP_NL__0PNPDE20110529_194908_000041073103_00057_48347_8811.N1	0	1
14	MIP_NL__0PNPDE20110529_205558_000064823103_00057_48347_8812.N1	0	1
15	MIP_NL__0PNPDE20110529_224254_000060663103_00058_48348_8813.N1	0	1

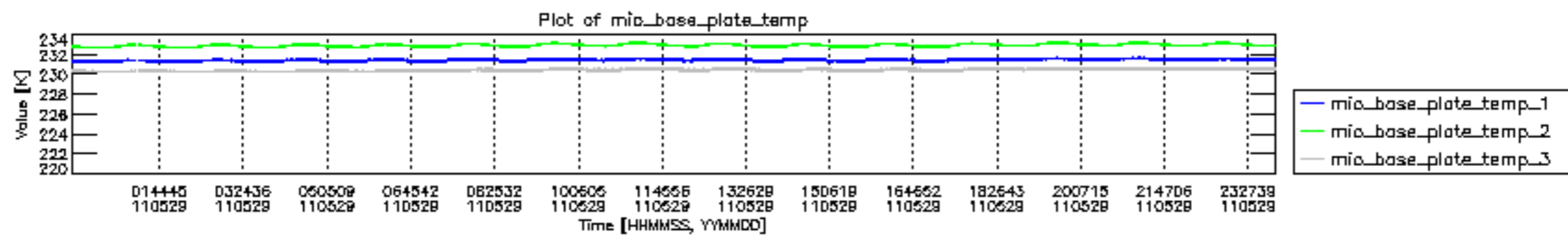


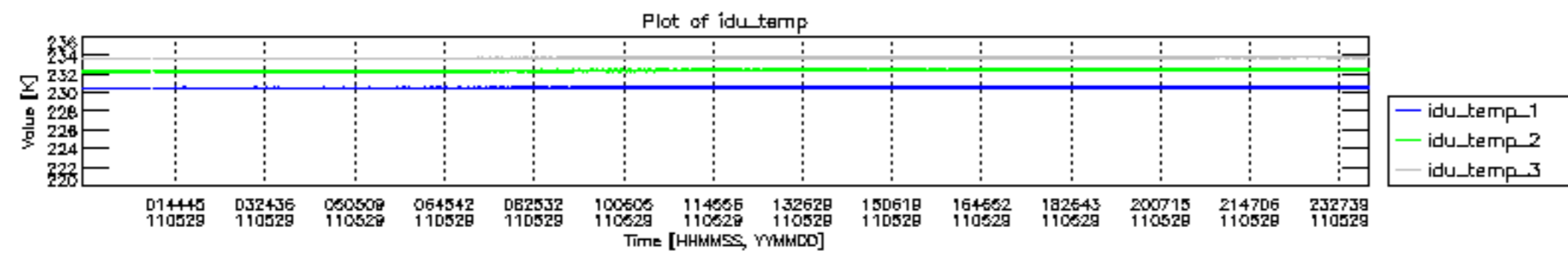
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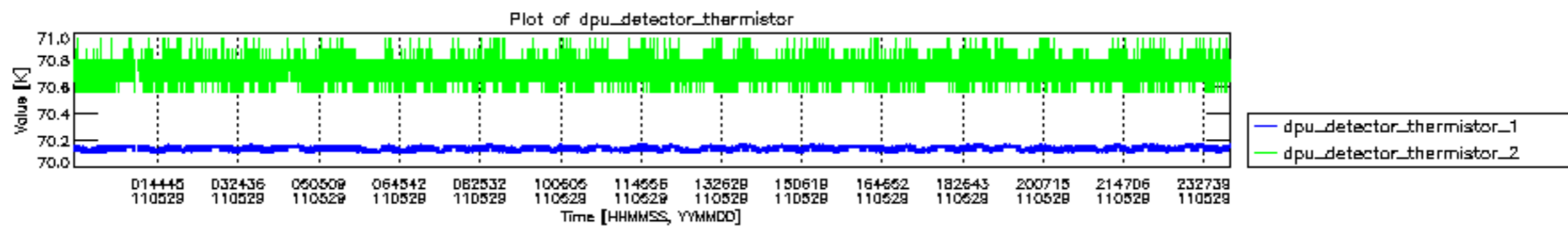


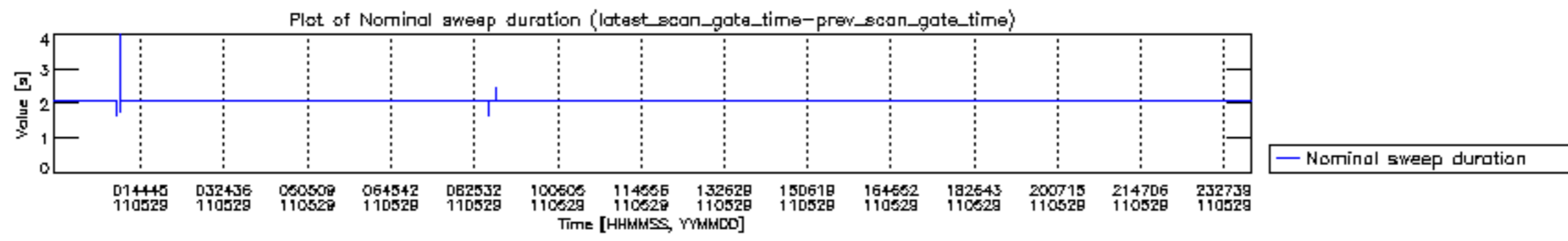
mipas_daily_report_level0_KSPT_L0_4504_N_20110529_13.PNG

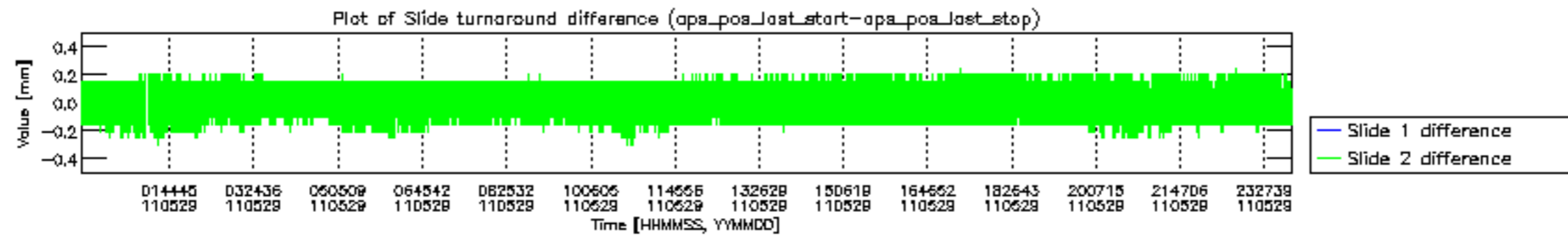


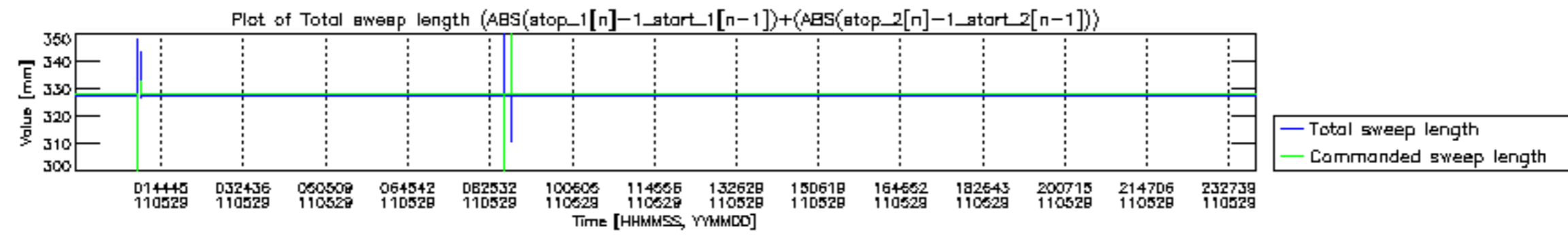


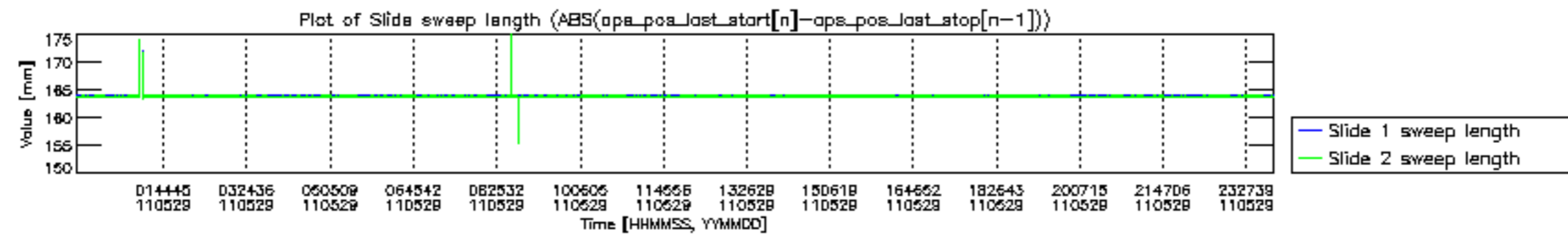


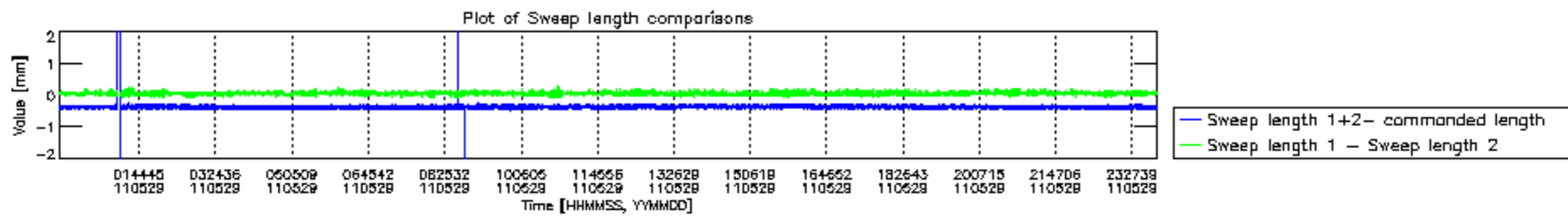


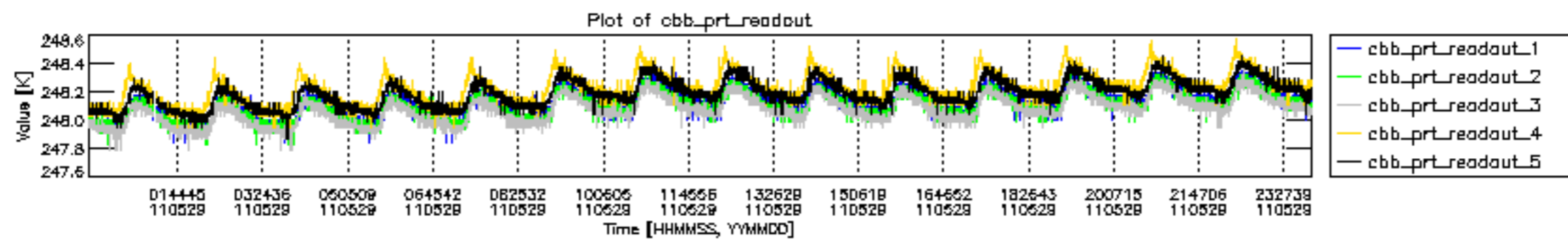


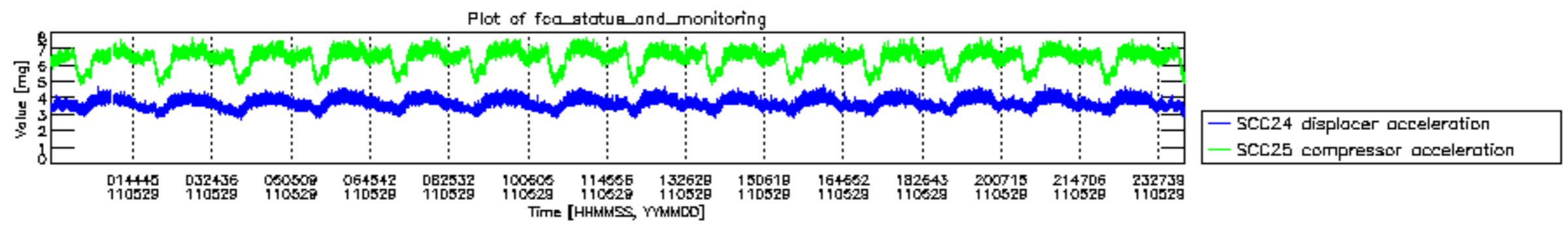












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

