

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	20DEC2011 05:24:36
Data source version	KSPT_L0/4504-N
Processing scope for products	15DEC2011 00:00:00 to 16DEC2011 00:00:00
Start time of first product within scope	15DEC2011 00:28:53
Stop time of last product within scope	16DEC2011 01:31:58
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__0PNPDE20111215_002853_000059353109_00332_51208_0413.N1	15DEC2011 00:28:53	15DEC2011 02:07:48	0	0	0	0	0
1	MIP_NL__0PNPDE20111215_020649_000044853109_00333_51209_0414.N1	15DEC2011 02:06:49	15DEC2011 03:21:34	0	0	0	0	0
2	MIP_NL__0PNPDE20111215_032059_000061233109_00334_51210_0415.N1	15DEC2011 03:20:59	15DEC2011 05:03:02	0	0	0	0	0
3	MIP_NL__0PNPDE20111215_050226_000060903109_00335_51211_0416.N1	15DEC2011 05:02:26	15DEC2011 06:43:56	0	0	0	0	0
4	MIP_NL__0PNPDK20111215_064320_000040503109_00336_51212_7797.N1	15DEC2011 06:43:20	15DEC2011 07:50:51	0	0	0	0	0
5	MIP_NL__0PNPDK20111215_074950_000061083109_00337_51213_7798.N1	15DEC2011 07:49:50	15DEC2011 09:31:39	0	0	0	0	0
6	MIP_NL__0PNPDK20111215_092956_000060653109_00338_51214_7799.N1	15DEC2011 09:29:56	15DEC2011 11:11:01	0	0	0	0	0
7	MIP_NL__0PNPDK20111215_110917_000060633109_00339_51215_7800.N1	15DEC2011 11:09:17	15DEC2011 12:50:20	1	0	1	0	0
8	MIP_NL__0PNPDK20111215_124919_000058743109_00340_51216_7801.N1	15DEC2011 12:49:19	15DEC2011 14:27:13	0	0	0	0	0
9	MIP_NL__0PNPDK20111215_142627_000059183109_00341_51217_7802.N1	15DEC2011 14:26:27	15DEC2011 16:05:06	0	0	0	0	0
10	MIP_NL__0PNPDK20111215_160321_000059643109_00342_51218_7803.N1	15DEC2011 16:03:21	15DEC2011 17:42:45	0	0	0	0	0
11	MIP_NL__0PNPDK20111215_174143_000058423109_00343_51219_7804.N1	15DEC2011 17:41:43	15DEC2011 19:19:05	0	0	0	0	0
12	MIP_NL__0PNPDK20111215_191806_000062693109_00344_51220_7805.N1	15DEC2011 19:18:06	15DEC2011 21:02:35	0	0	0	0	0
13	MIP_NL__0PNPDE20111215_210026_000042803109_00345_51221_0417.N1	15DEC2011 21:00:26	15DEC2011 22:11:46	0	0	0	0	0
14	MIP_NL__0PNPDE20111215_221048_000061333109_00345_51221_0418.N1	15DEC2011 22:10:48	15DEC2011 23:53:01	0	0	0	0	0
15	MIP_NL__0PNPDE20111215_235203_000059963109_00346_51222_0419.N1	15DEC2011 23:52:03	16DEC2011 01:31:58	0	0	0	0	0

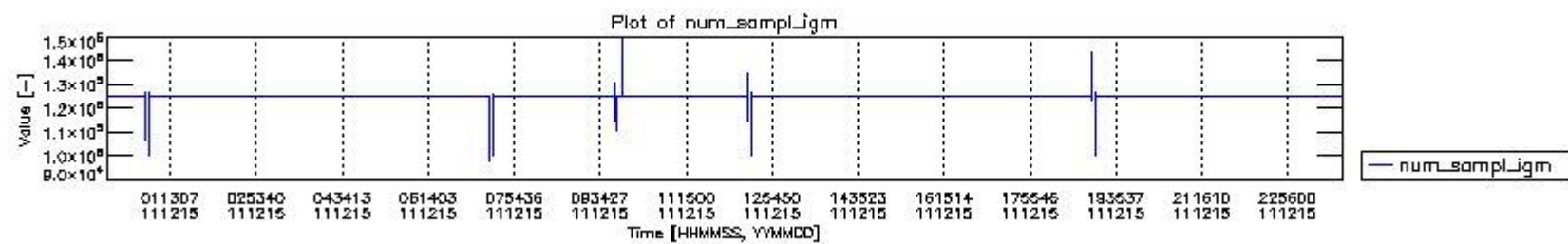
0.2 Instrument Operational Performance Parameters

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.

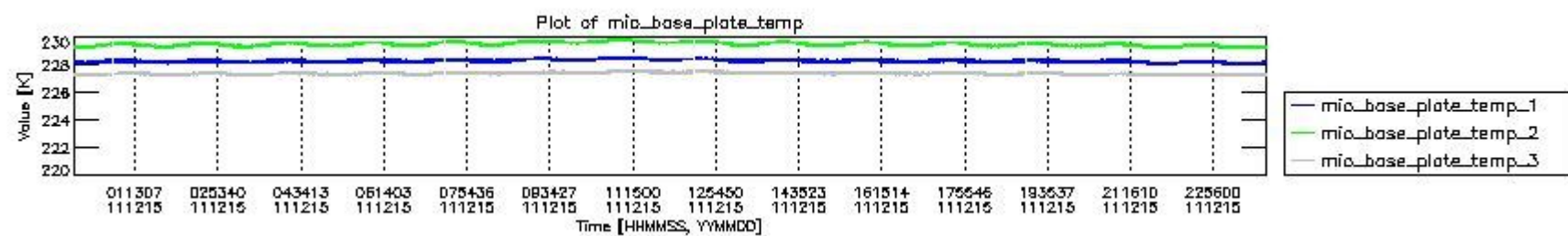
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
97760	1	0.0024230089
100260	1	0.0024230089

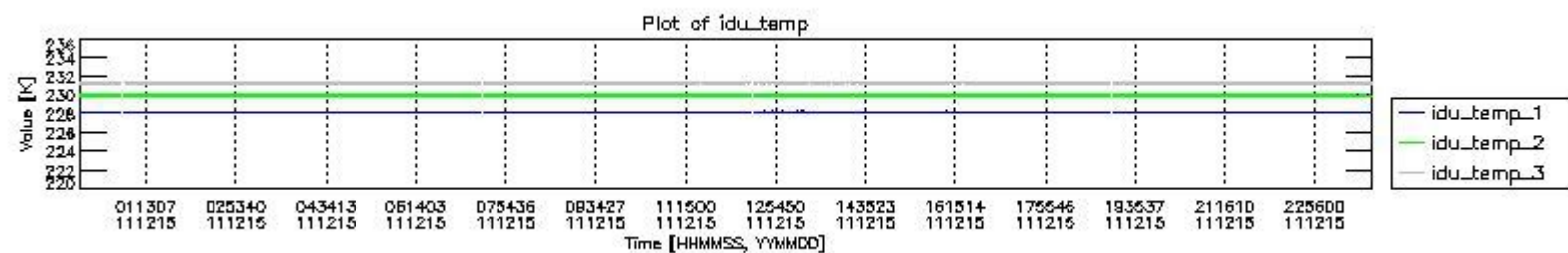
100483	1	0.0024230089
100557	2	0.0048460178
101214	1	0.0024230089
106715	1	0.0024230089
108762	1	0.0024230089
111027	1	0.0024230089
114969	1	0.0024230089
117386	1	0.0024230089
121346	1	0.0024230089
123814	1	0.0024230089
124800	38411	93.070195
124803	2830	6.8571152
125264	1	0.0024230089
125512	1	0.0024230089
125735	1	0.0024230089
125809	2	0.0048460178
126224	1	0.0024230089
126670	1	0.0024230089
126818	2	0.0048460178
126847	1	0.0024230089
127308	1	0.0024230089
131159	1	0.0024230089
135098	1	0.0024230089
142960	1	0.0024230089
143946	1	0.0024230089
147440	1	0.0024230089
149948	1	0.0024230089



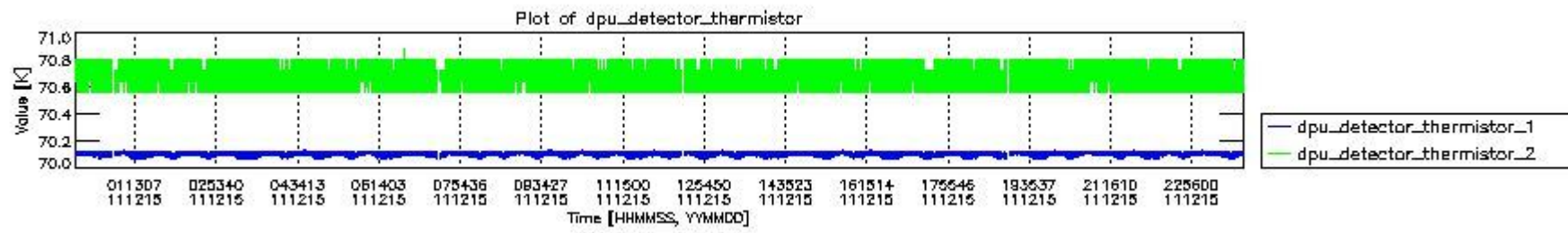
mipas_daily_report_level0_KSPT_L0_4504_N_20111215_0.PNG



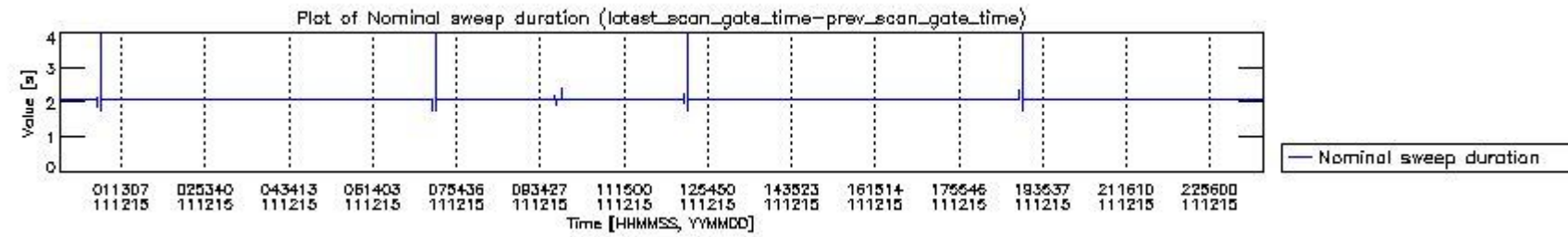
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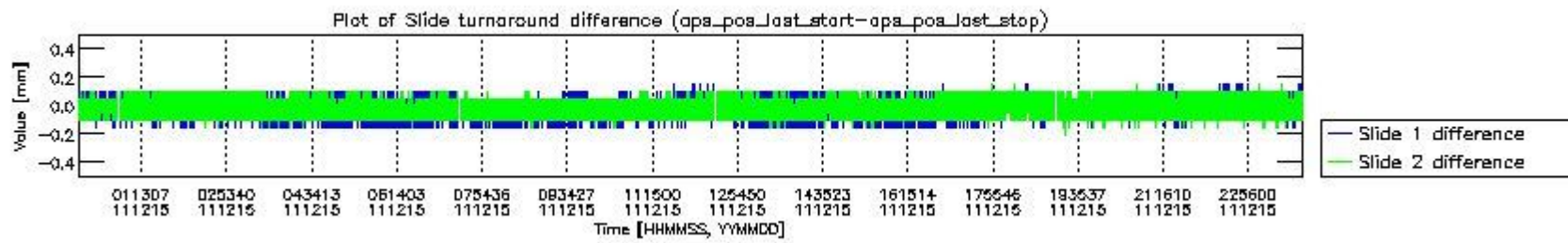
mipas_daily_report_level0_KSPT_L0_4504_N_20111215_2.PNG



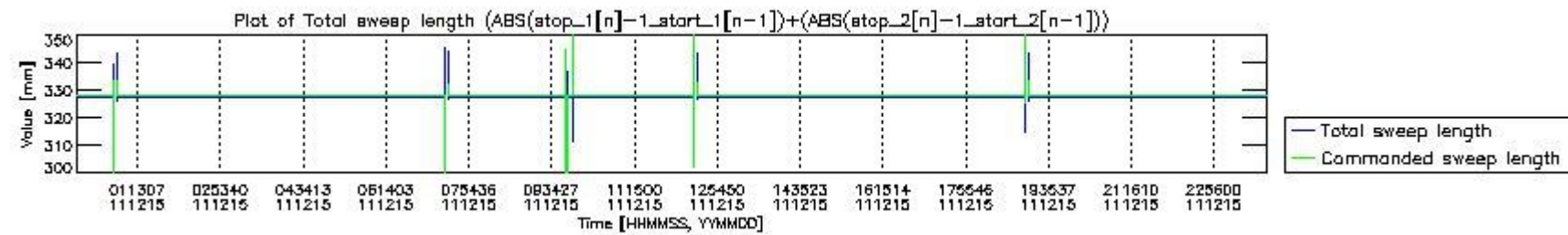
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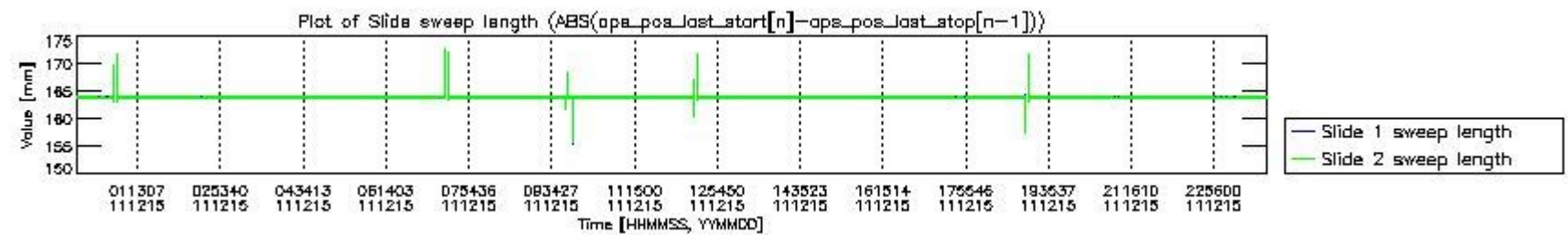
mipas_daily_report_level0_KSPT_L0_4504_N_20111215_4.PNG



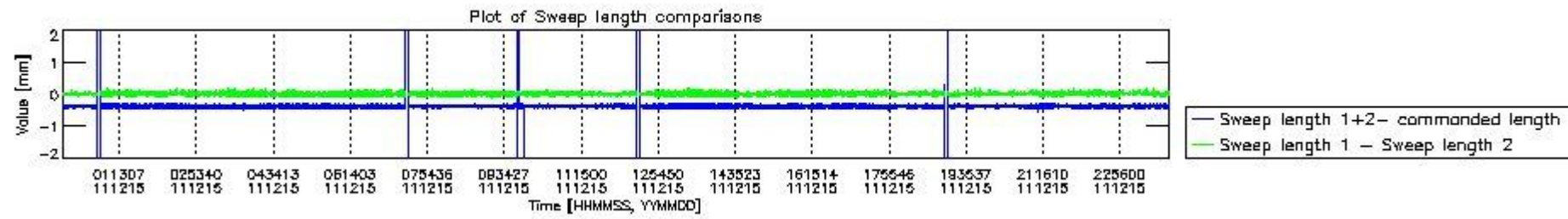
mipas_daily_report_level0_KSPT_L0_4504_N_20111215_5.PNG



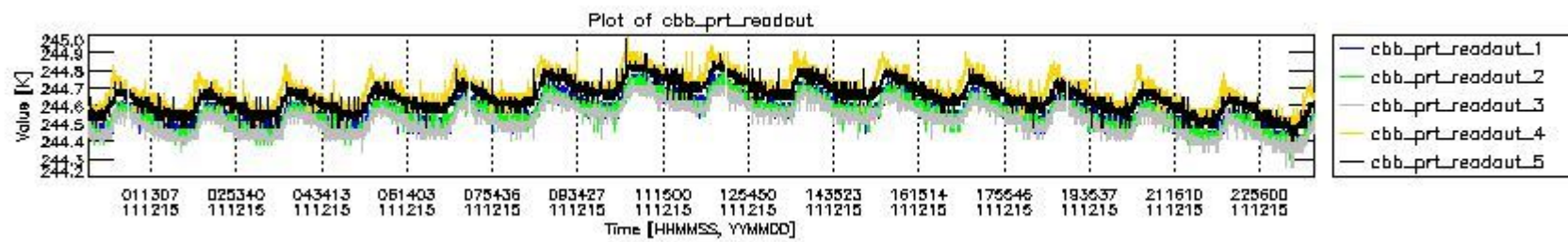
mipas_daily_report_level0_KSPT_L0_4504_N_20111215_6.PNG



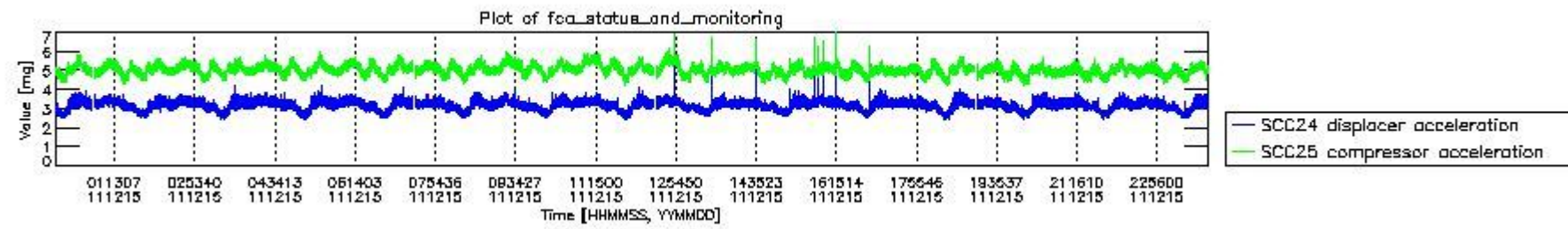
mipas_daily_report_level0_KSPT_L0_4504_N_20111215_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111215_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111215_9.PNG

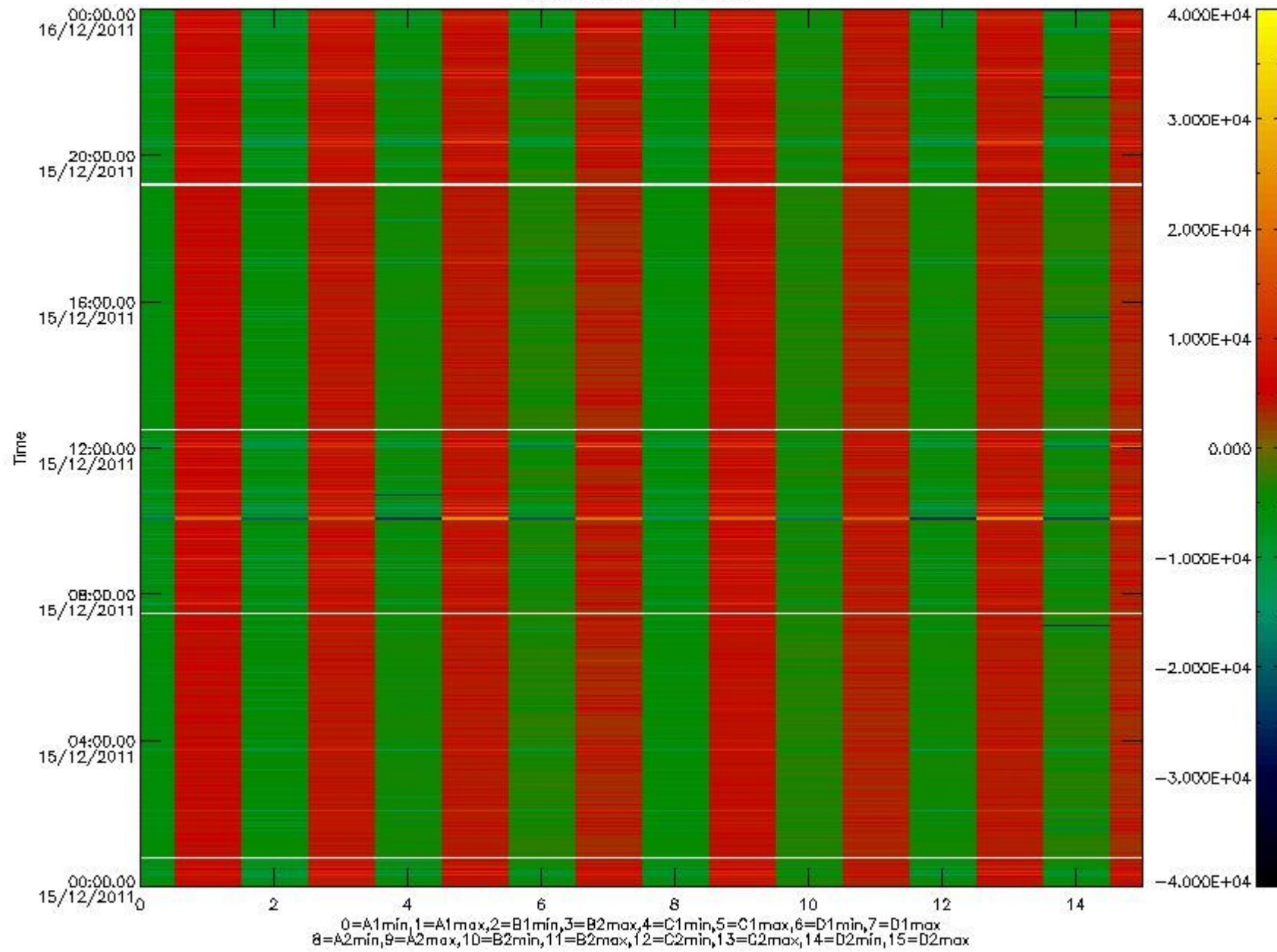


mipas_daily_report_level0_KSPT_L0_4504_N_20111215_10.PNG

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

Channel	Min	Max	ADC
A1	-18153	19213	16bit
B1	-20483	17613	16bit
C1	-24881	24751	16bit
D1	-32768	32767	16bit
A2	-15757	19444	16bit
B2	-18333	17996	16bit
C2	-25861	25444	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_20111215_11.PNG

0.3 ADF monitoring

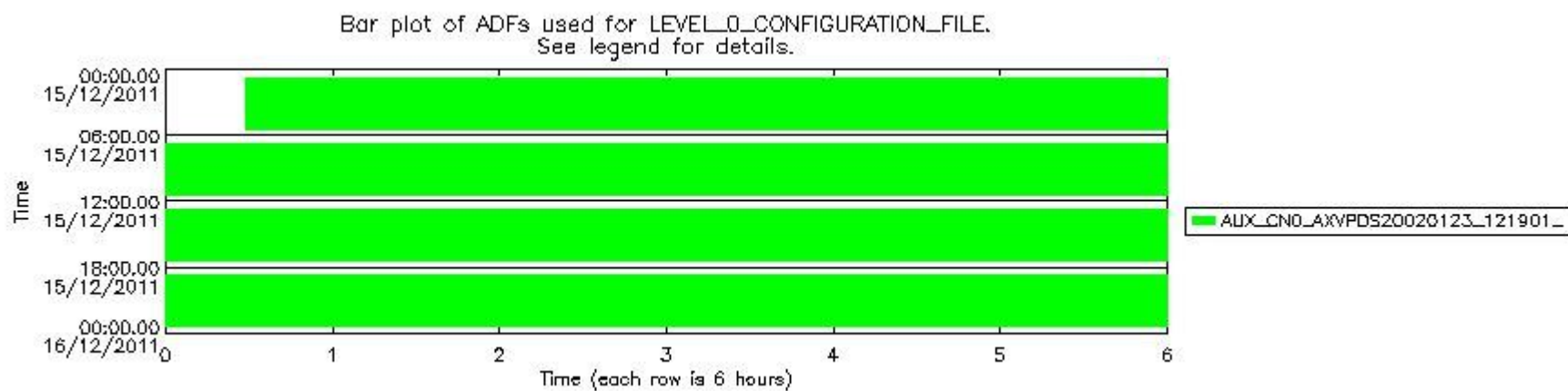
The use of ADFs is shown in two ways:

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.

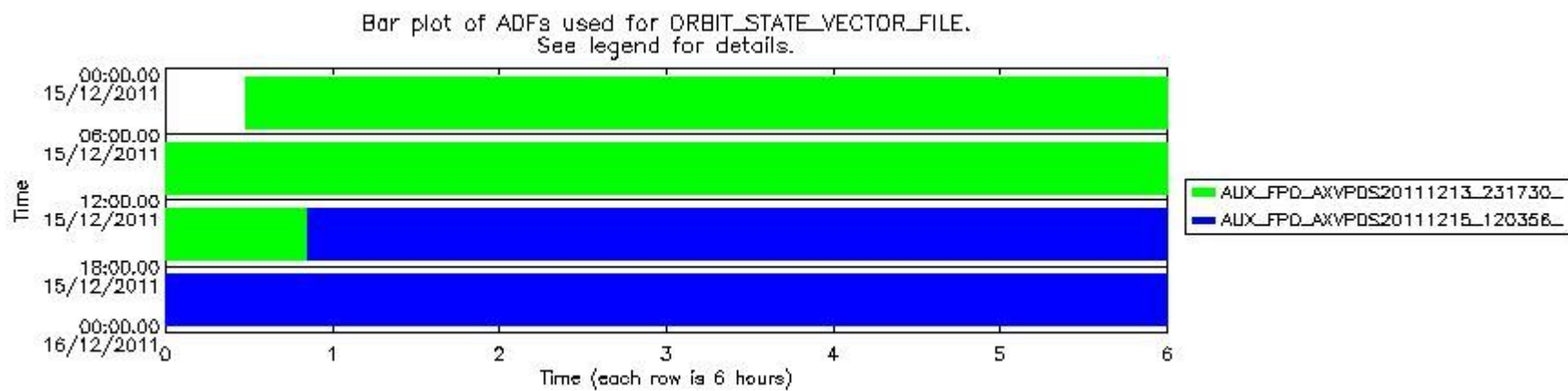
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111213_231730_20111213_183713_20111223_205053
2	AUX_FPO_AXVPDS20111215_120356_20111214_194042_20111224_201408

Number	Product name	#CN0	#FPO
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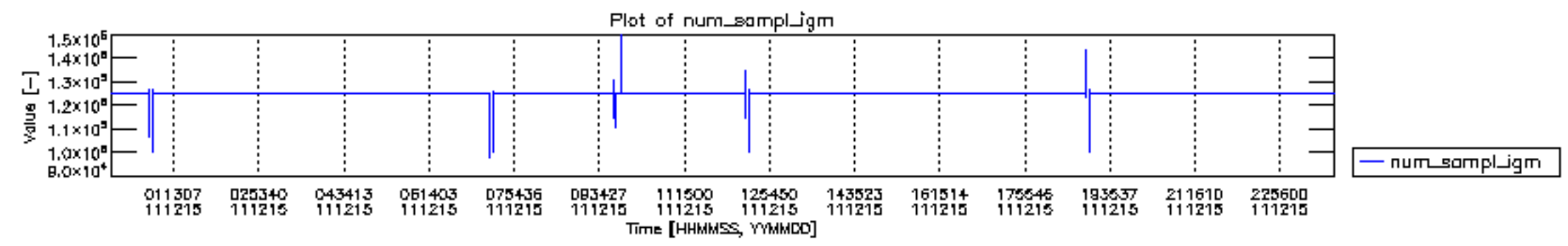
0	MIP_NL__0PNPDE20111215_002853_000059353109_00332_51208_0413.N1	0	1
1	MIP_NL__0PNPDE20111215_020649_000044853109_00333_51209_0414.N1	0	1
2	MIP_NL__0PNPDE20111215_032059_000061233109_00334_51210_0415.N1	0	1
3	MIP_NL__0PNPDE20111215_050226_000060903109_00335_51211_0416.N1	0	1
4	MIP_NL__0PNPDK20111215_064320_000040503109_00336_51212_7797.N1	0	1
5	MIP_NL__0PNPDK20111215_074950_000061083109_00337_51213_7798.N1	0	1
6	MIP_NL__0PNPDK20111215_092956_000060653109_00338_51214_7799.N1	0	1
7	MIP_NL__0PNPDK20111215_110917_000060633109_00339_51215_7800.N1	0	1
8	MIP_NL__0PNPDK20111215_124919_000058743109_00340_51216_7801.N1	0	2
9	MIP_NL__0PNPDK20111215_142627_000059183109_00341_51217_7802.N1	0	2
10	MIP_NL__0PNPDK20111215_160321_000059643109_00342_51218_7803.N1	0	2
11	MIP_NL__0PNPDK20111215_174143_000058423109_00343_51219_7804.N1	0	2
12	MIP_NL__0PNPDK20111215_191806_000062693109_00344_51220_7805.N1	0	2
13	MIP_NL__0PNPDE20111215_210026_000042803109_00345_51221_0417.N1	0	2
14	MIP_NL__0PNPDE20111215_221048_000061333109_00345_51221_0418.N1	0	2
15	MIP_NL__0PNPDE20111215_235203_000059963109_00346_51222_0419.N1	0	2

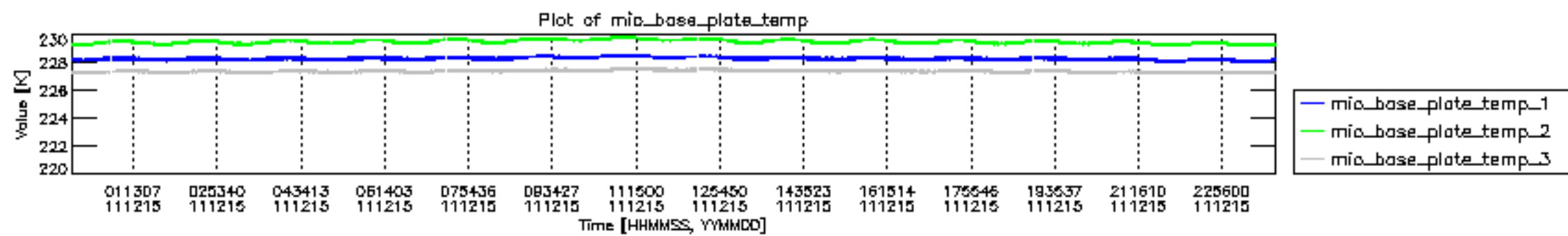


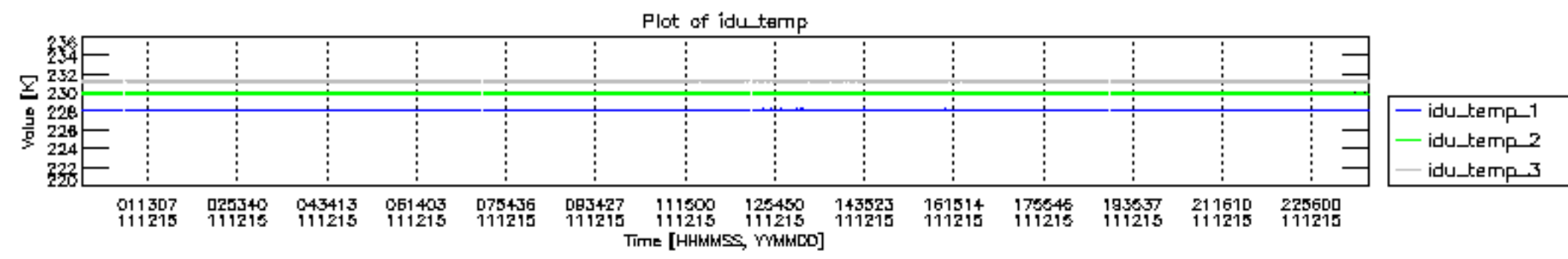
mipas_daily_report_level0_KSPT_L0_4504_N_20111215_12.PNG

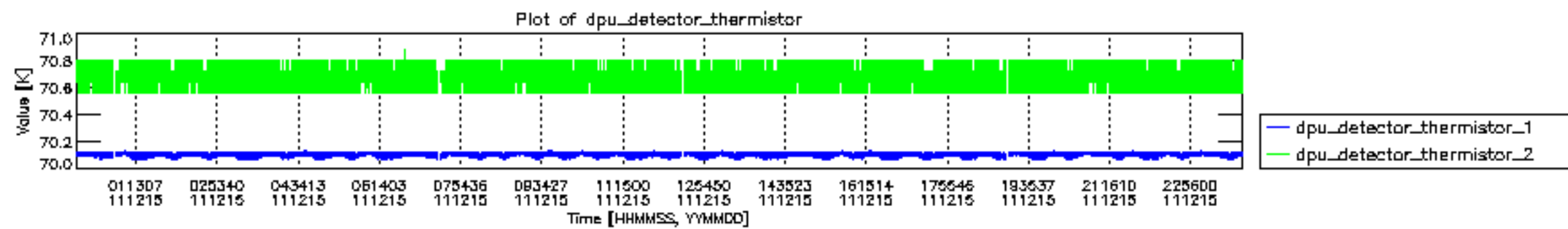


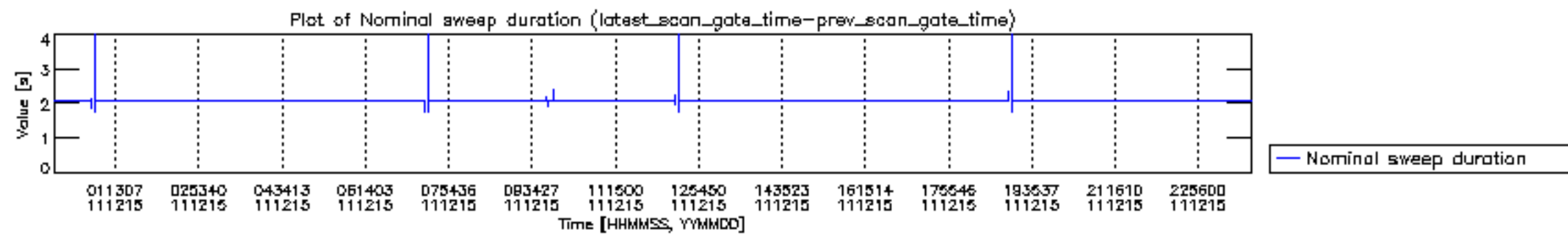
mipas_daily_report_level0_KSPT_L0_4504_N_20111215_13.PNG

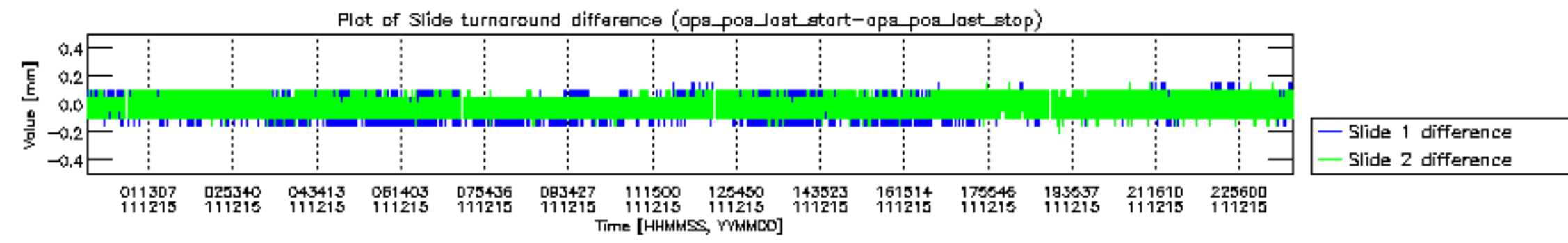


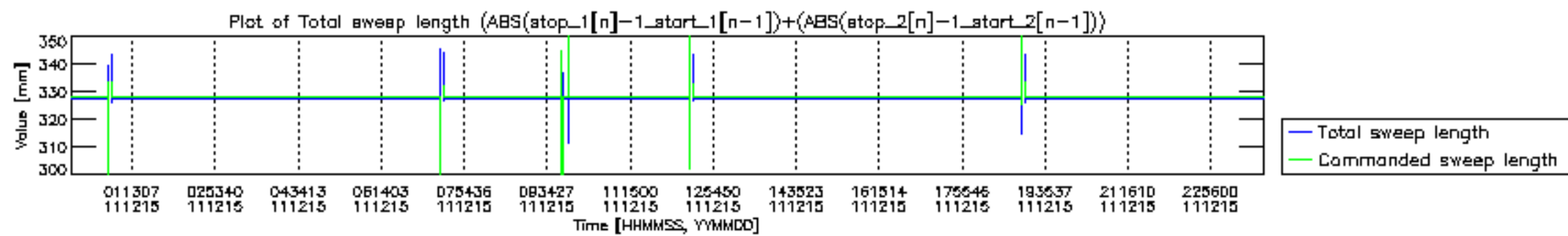


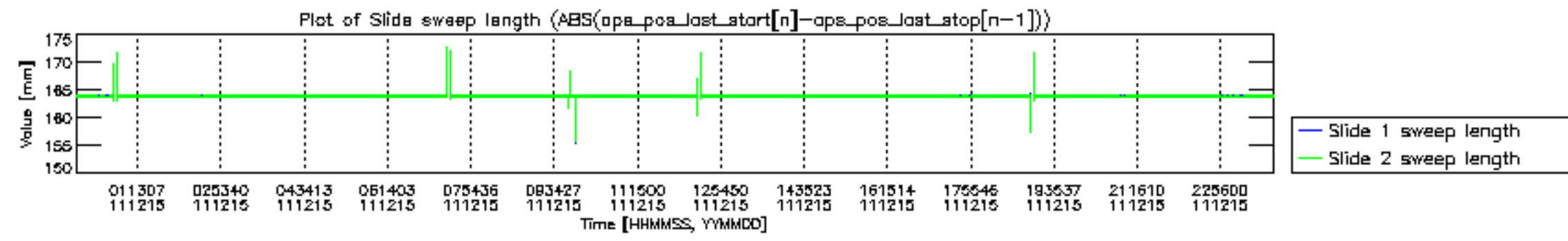


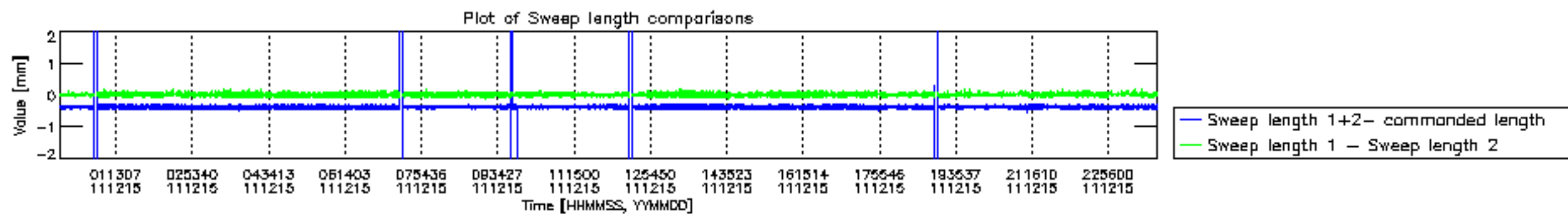


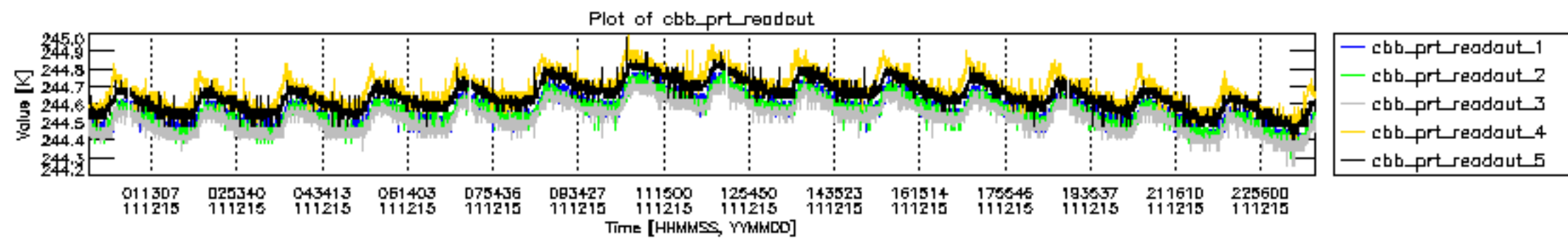


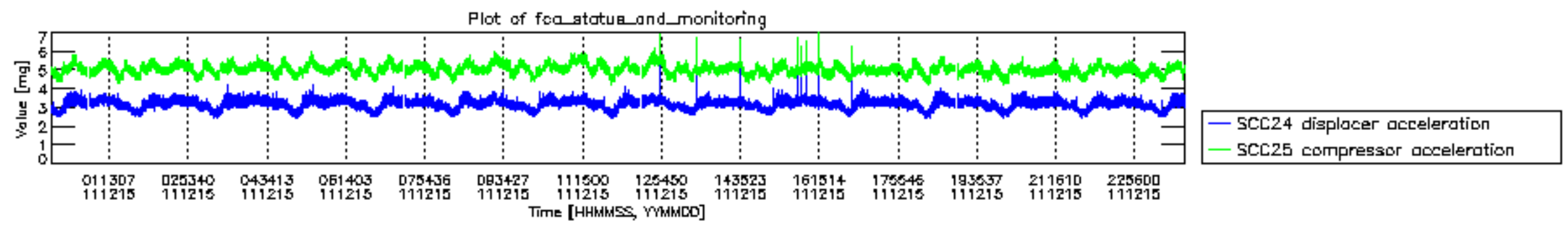












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

