

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	29NOV2011 05:25:06
Data source version	KSPT_L0/4504-N
Processing scope for products	24NOV2011 00:00:00 to 25NOV2011 00:00:00
Start time of first product within scope	24NOV2011 01:37:31
Stop time of last product within scope	25NOV2011 01:03:07
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__0PNPDE20111124_013731_000043853109_00031_50907_4900.N1	24NOV2011 01:37:31	24NOV2011 02:50:36	0	0	0	0	0
1	MIP_NL__0PNPDE20111124_025003_000061943109_00032_50908_4901.N1	24NOV2011 02:50:03	24NOV2011 04:33:17	0	0	0	0	0
2	MIP_NL__0PNPDE20111124_043244_000060403109_00033_50909_4902.N1	24NOV2011 04:32:44	24NOV2011 06:13:23	0	0	0	0	0
3	MIP_NL__0PNPDK20111124_061250_000040763109_00034_50910_7610.N1	24NOV2011 06:12:50	24NOV2011 07:20:45	0	0	0	0	0
4	MIP_NL__0PNPDK20111124_071947_000061383109_00035_50911_7611.N1	24NOV2011 07:19:47	24NOV2011 09:02:05	0	0	0	0	0
5	MIP_NL__0PNPDK20111124_090031_000060883109_00036_50912_7621.N1	24NOV2011 09:00:31	24NOV2011 10:41:58	1	1	0	0	0
6	MIP_NL__0PNPDK20111124_093530_000039883109_00036_50912_7613.N1	24NOV2011 09:35:30	24NOV2011 10:41:58	0	0	0	0	0
7	MIP_NL__0PNPDK20111124_104020_000059543109_00037_50913_7614.N1	24NOV2011 10:40:20	24NOV2011 12:19:34	0	0	0	0	0
8	MIP_NL__0PNPDK20111124_121819_000060423109_00038_50914_7615.N1	24NOV2011 12:18:19	24NOV2011 13:59:00	0	0	0	0	0
9	MIP_NL__0PNPDK20111124_135745_000059203109_00039_50915_7616.N1	24NOV2011 13:57:45	24NOV2011 15:36:25	0	0	0	0	0
10	MIP_NL__0PNPDK20111124_153540_000059413109_00040_50916_7617.N1	24NOV2011 15:35:40	24NOV2011 17:14:41	0	0	0	0	0
11	MIP_NL__0PNPDK20111124_171340_000058513109_00041_50917_7618.N1	24NOV2011 17:13:40	24NOV2011 18:51:12	0	0	0	0	0
12	MIP_NL__0PNPDK20111124_185005_000060143109_00042_50918_7619.N1	24NOV2011 18:50:05	24NOV2011 20:30:19	0	0	0	0	0
13	MIP_NL__0PNPDE20111124_202820_000044373109_00043_50919_4903.N1	24NOV2011 20:28:20	24NOV2011 21:42:17	0	0	0	0	0
14	MIP_NL__0PNPDE20111124_214119_000061173109_00043_50919_4904.N1	24NOV2011 21:41:19	24NOV2011 23:23:15	0	0	0	0	0
15	MIP_NL__0PNPDE20111124_232213_000060543109_00044_50920_4905.N1	24NOV2011 23:22:13	25NOV2011 01:03:07	0	0	0	0	0

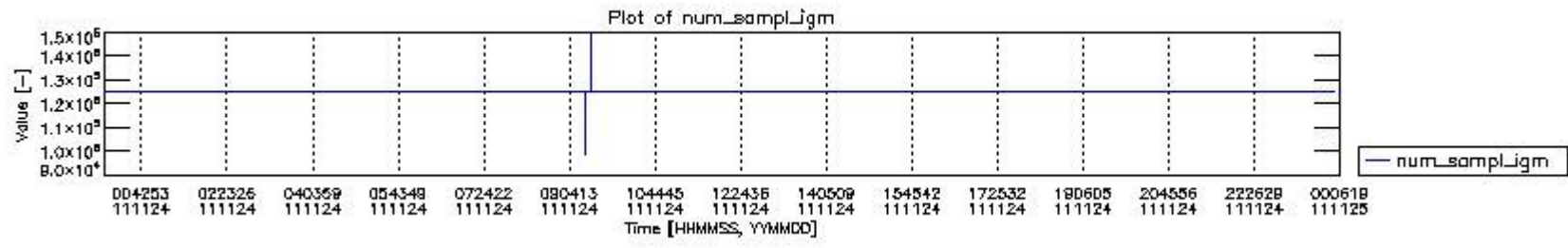
0.2 Instrument Operational Performance Parameters

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.

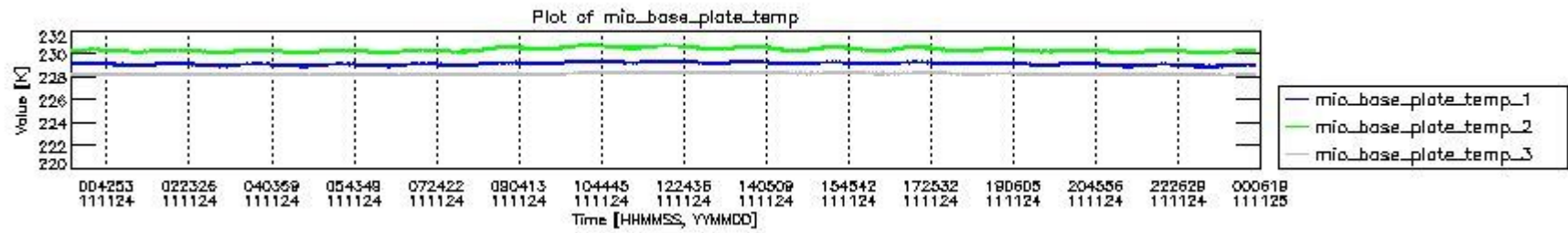
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98504	1	0.0024031529
101586	1	0.0024031529

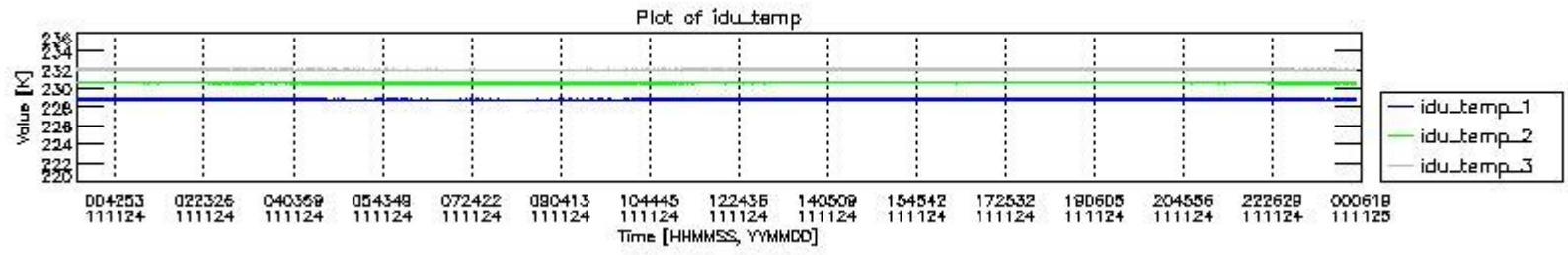
121718	1	0.0024031529
124800	38652	92.886667
124803	2954	7.0989138
126936	1	0.0024031529
147068	1	0.0024031529
149204	1	0.0024031529



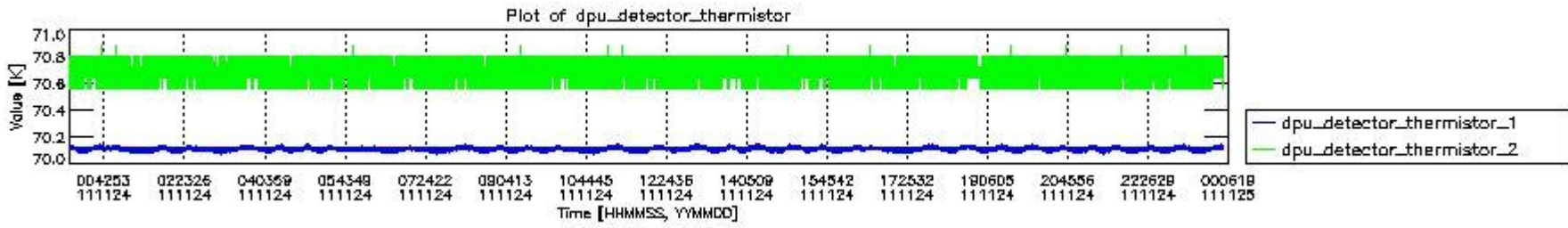
mipas_daily_report_level0_KSPT_L0_4504_N_20111124_0.PNG



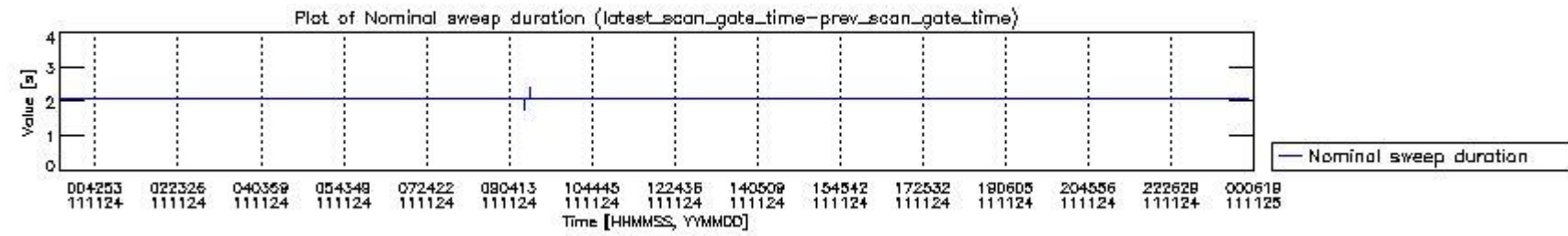
mipas_daily_report_level0_KSPT_L0_4504_N_20111124_1.PNG



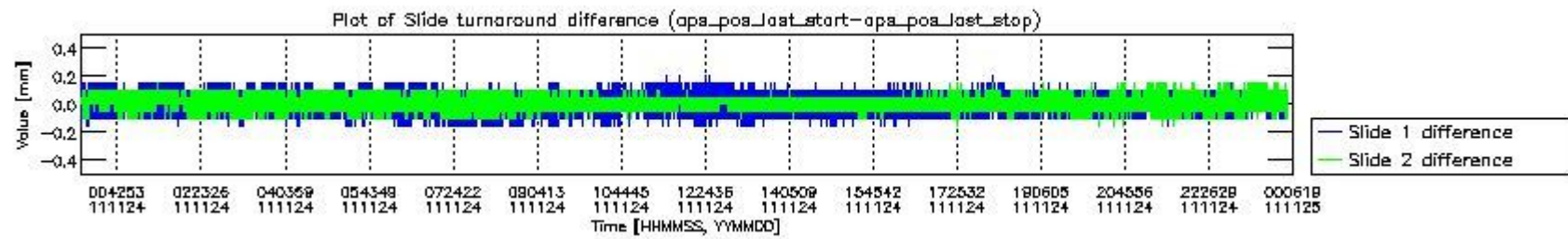
mipas_daily_report_level0_KSPT_L0_4504_N_20111124_2.PNG



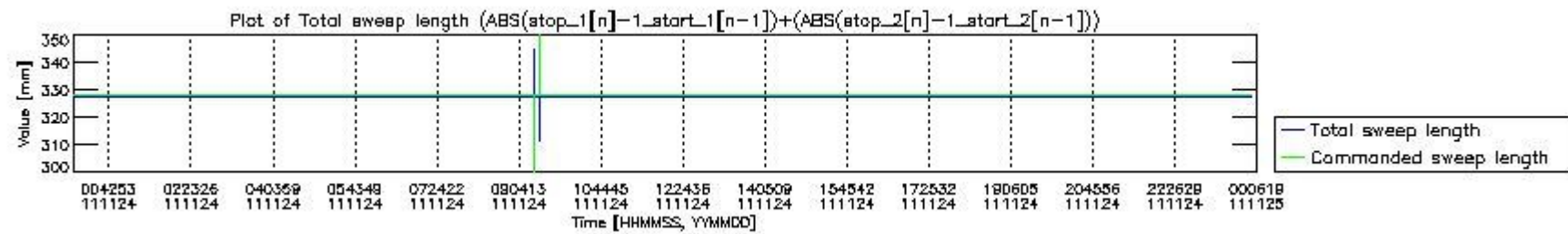
mipas_daily_report_level0_KSPT_L0_4504_N_20111124_3.PNG



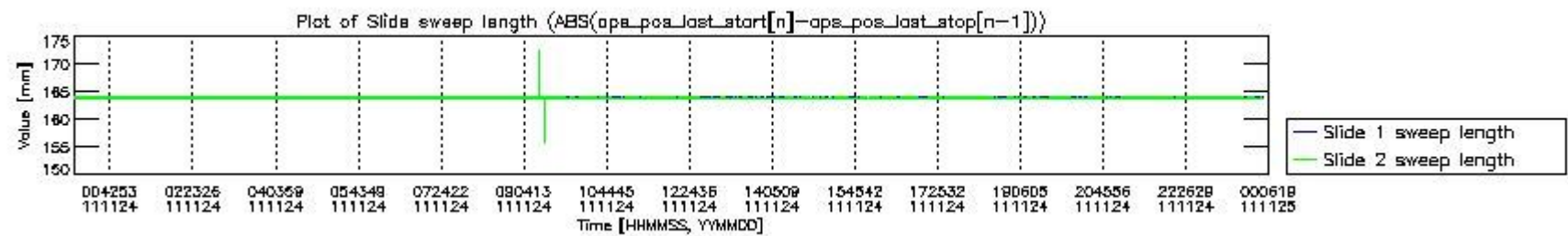
mipas_daily_report_level0_KSPT_L0_4504_N_20111124_4.PNG



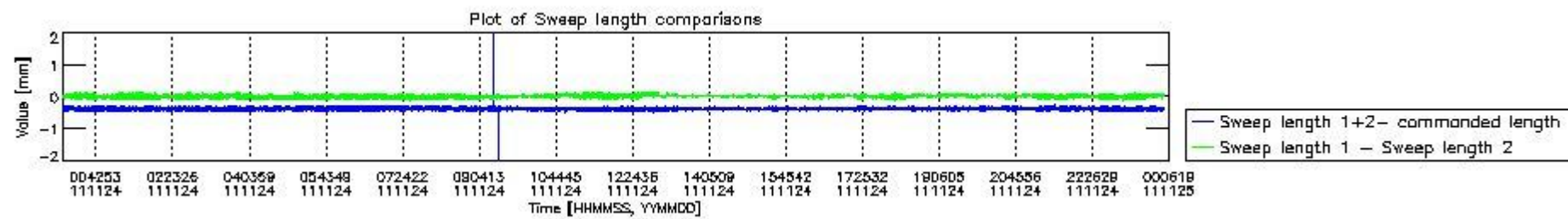
mipas_daily_report_level0_KSPT_L0_4504_N_20111124_5.PNG



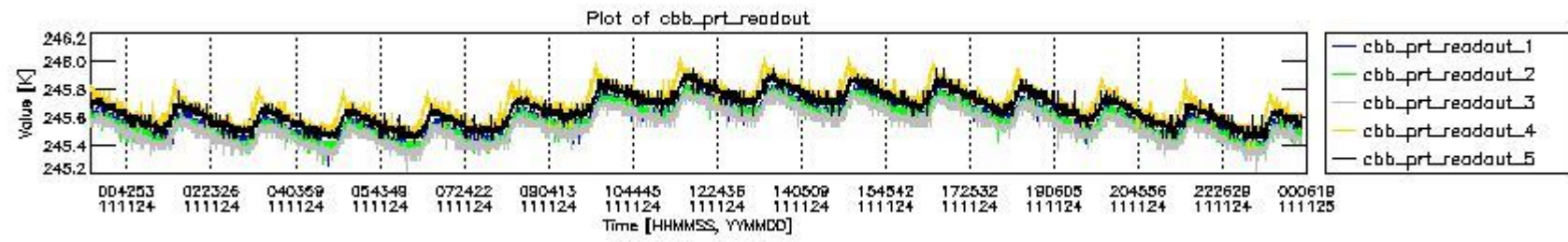
mipas_daily_report_level0_KSPT_L0_4504_N_20111124_6.PNG



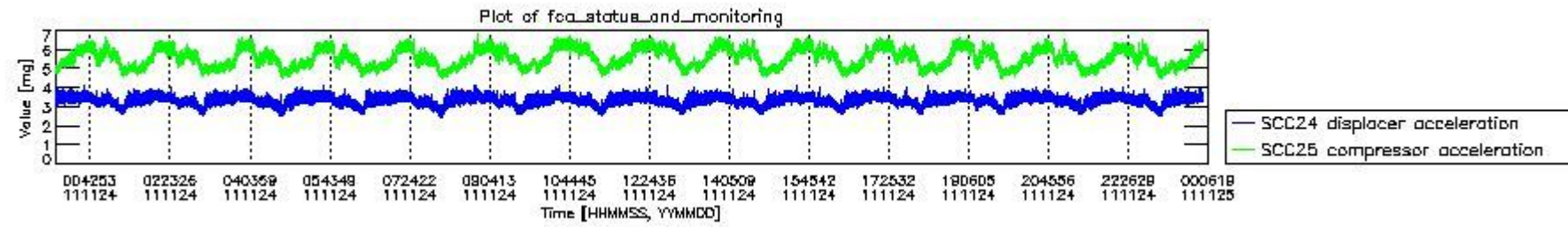
mipas_daily_report_level0_KSPT_L0_4504_N_20111124_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111124_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111124_9.PNG

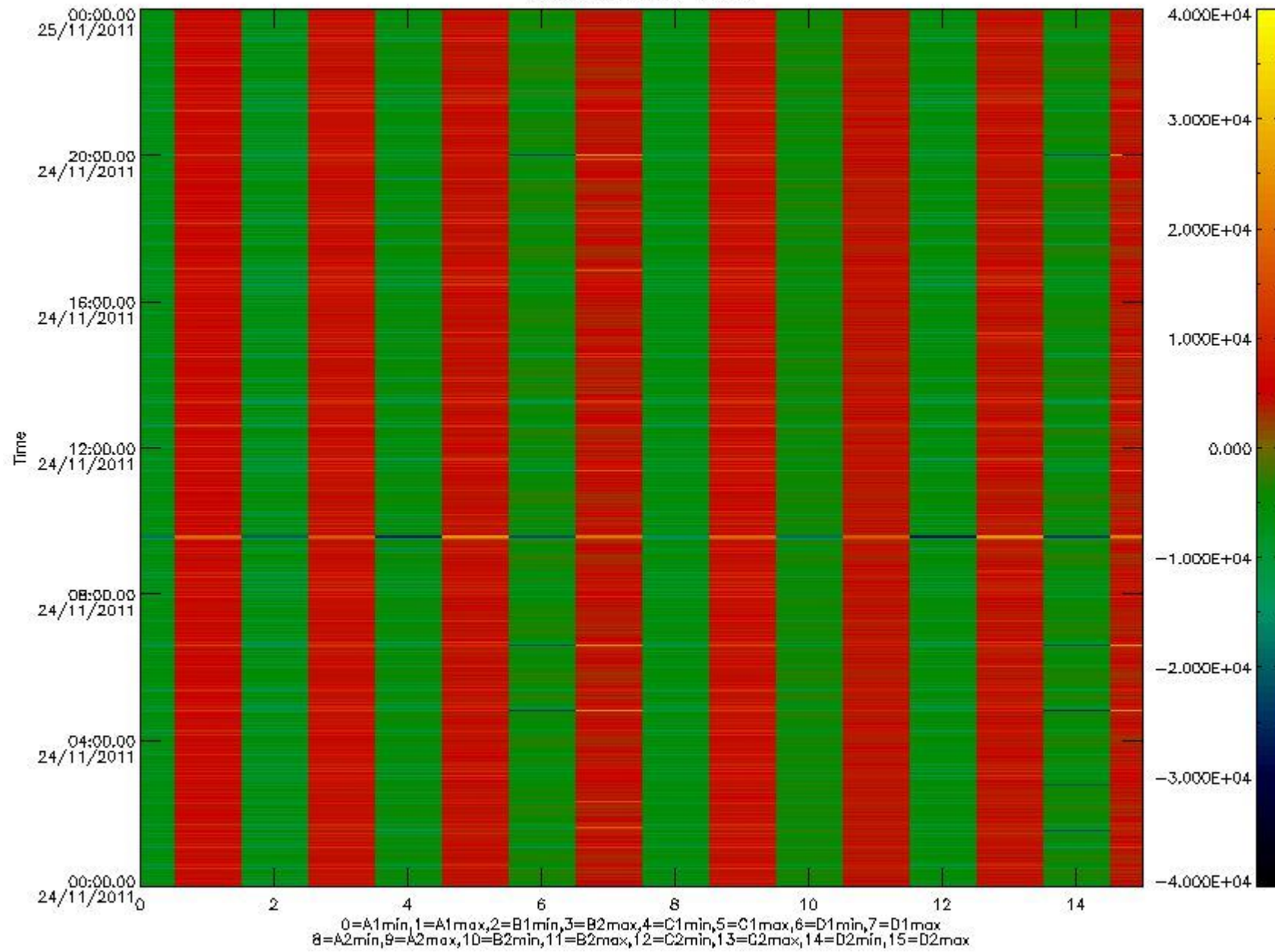


mipas_daily_report_level0_KSPT_L0_4504_N_20111124_10.PNG

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

Channel	Min	Max	ADC
A1	-18475	19582	16bit
B1	-21037	18018	16bit
C1	-25831	25746	16bit
D1	-32768	32767	16bit
A2	-16011	19802	16bit
B2	-18933	18547	16bit
C2	-26885	26488	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_20111124_11.PNG

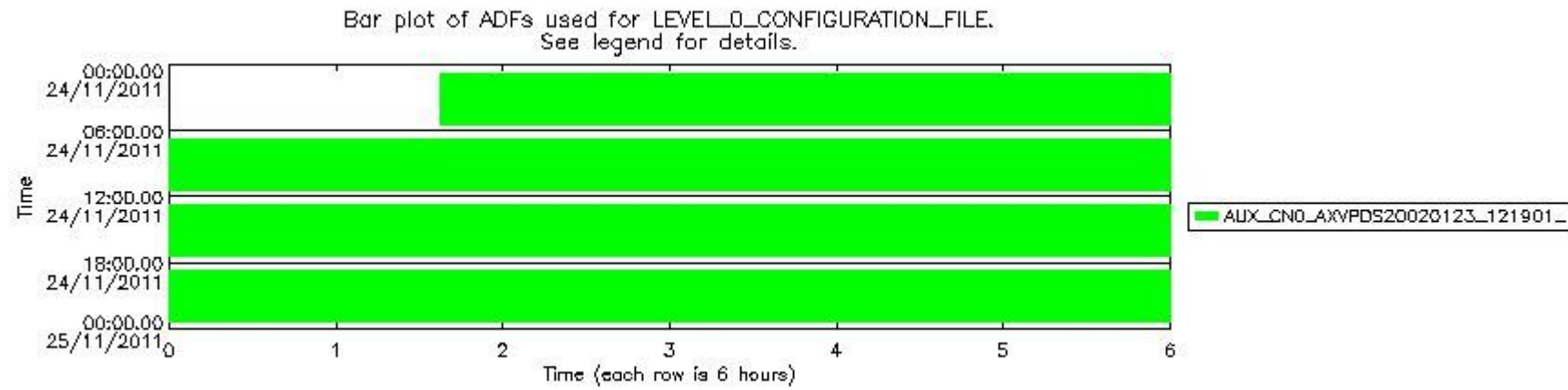
0.3 ADF monitoring

The use of ADFs is shown in two ways:

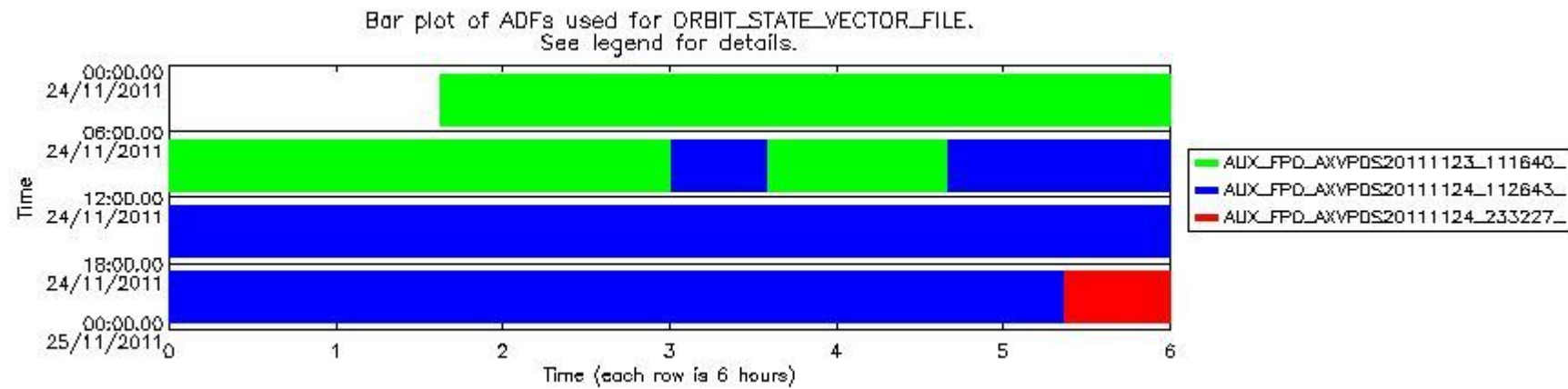
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111123_111640_20111122_194715_20111202_202043
2	AUX_FPO_AXVPDS20111124_112643_20111123_191030_20111203_212413
3	AUX_FPO_AXVPDS20111124_233227_20111124_183345_20111204_204728

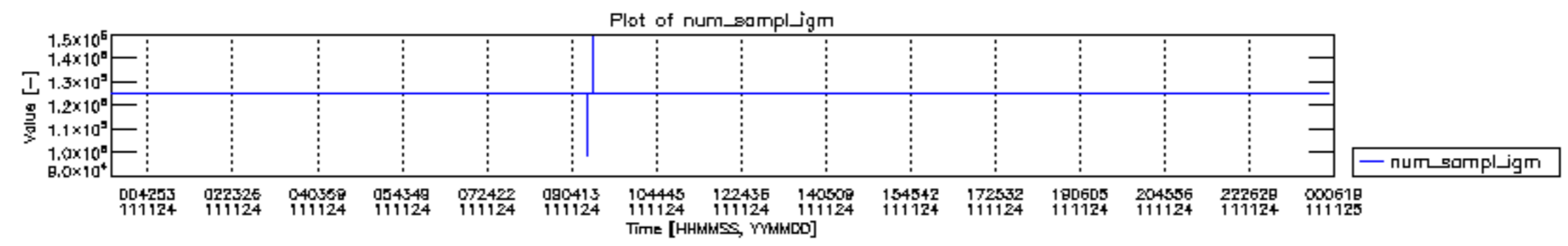
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111124_013731_000043853109_00031_50907_4900.N1	0	1
1	MIP_NL__0PNPDE20111124_025003_000061943109_00032_50908_4901.N1	0	1
2	MIP_NL__0PNPDE20111124_043244_000060403109_00033_50909_4902.N1	0	1
3	MIP_NL__0PNPDK20111124_061250_000040763109_00034_50910_7610.N1	0	1
4	MIP_NL__0PNPDK20111124_071947_000061383109_00035_50911_7611.N1	0	1
5	MIP_NL__0PNPDK20111124_090031_000060883109_00036_50912_7621.N1	0	2
6	MIP_NL__0PNPDK20111124_093530_000039883109_00036_50912_7613.N1	0	1
7	MIP_NL__0PNPDK20111124_104020_000059543109_00037_50913_7614.N1	0	2
8	MIP_NL__0PNPDK20111124_121819_000060423109_00038_50914_7615.N1	0	2
9	MIP_NL__0PNPDK20111124_135745_000059203109_00039_50915_7616.N1	0	2
10	MIP_NL__0PNPDK20111124_153540_000059413109_00040_50916_7617.N1	0	2
11	MIP_NL__0PNPDK20111124_171340_000058513109_00041_50917_7618.N1	0	2
12	MIP_NL__0PNPDK20111124_185005_000060143109_00042_50918_7619.N1	0	2
13	MIP_NL__0PNPDE20111124_202820_000044373109_00043_50919_4903.N1	0	2
14	MIP_NL__0PNPDE20111124_214119_000061173109_00043_50919_4904.N1	0	2
15	MIP_NL__0PNPDE20111124_232213_000060543109_00044_50920_4905.N1	0	3

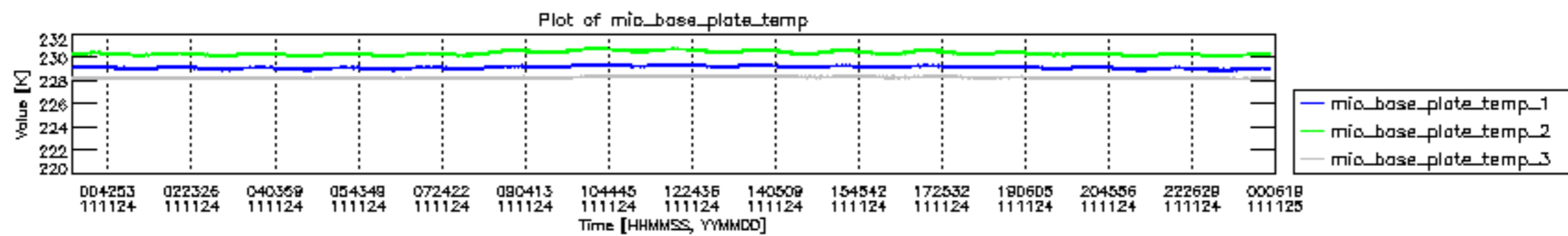


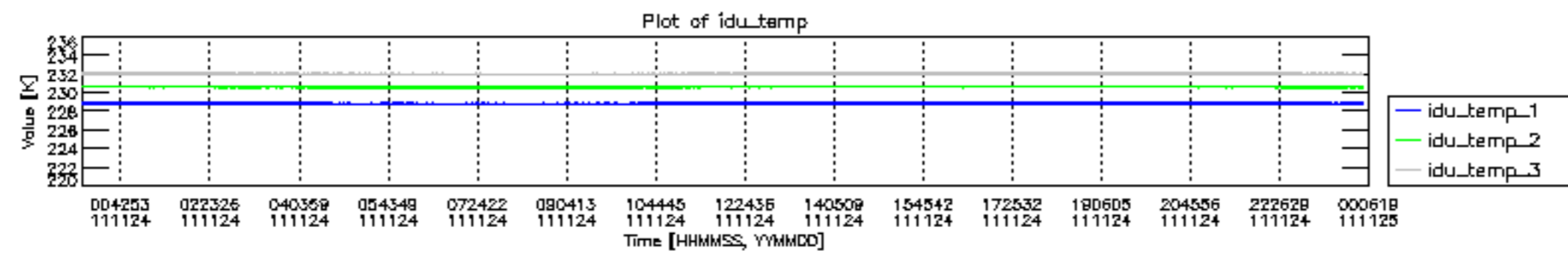
mipas_daily_report_level0_KSPT_L0_4504_N_20111124_12.PNG

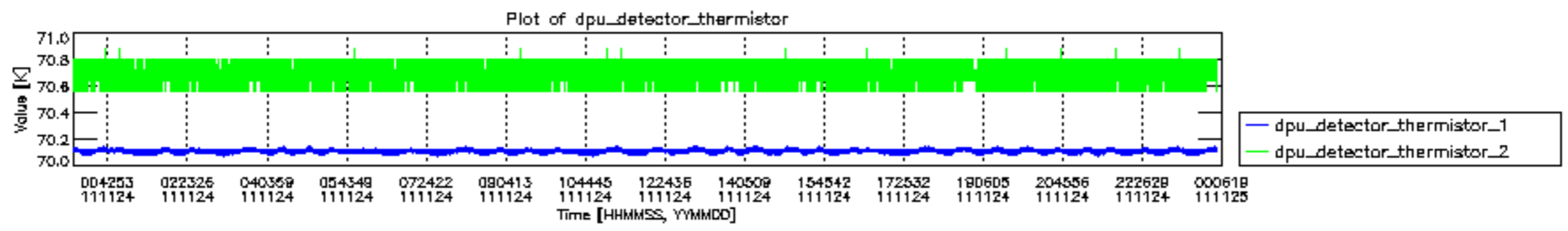


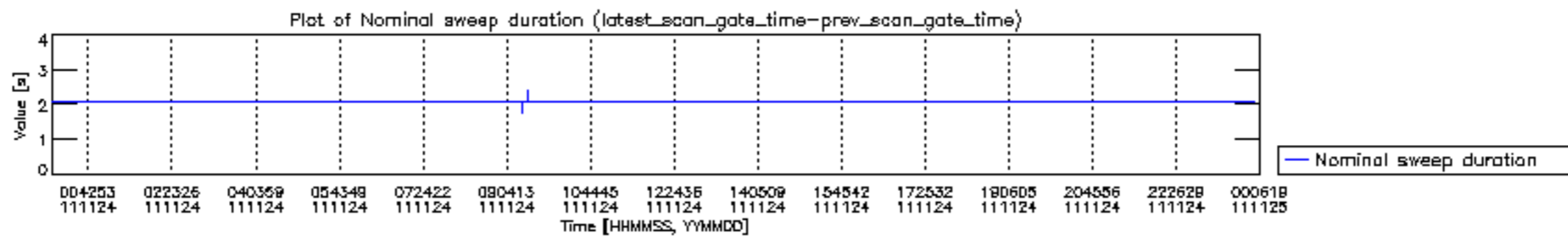
mipas_daily_report_level0_KSPT_L0_4504_N_20111124_13.PNG

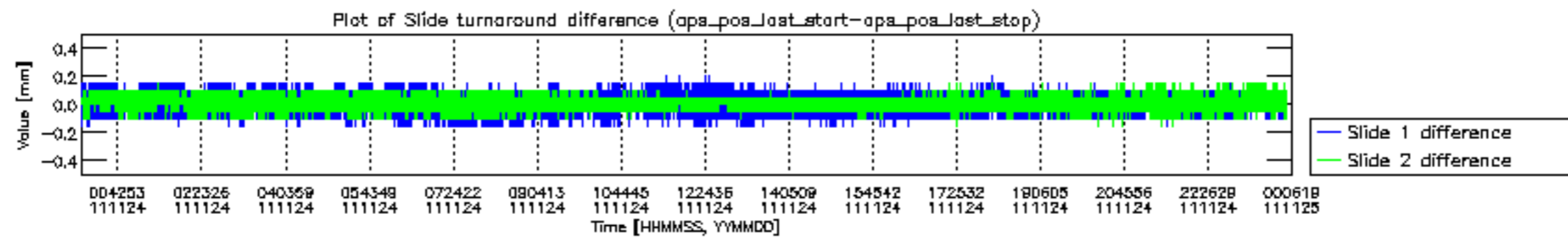


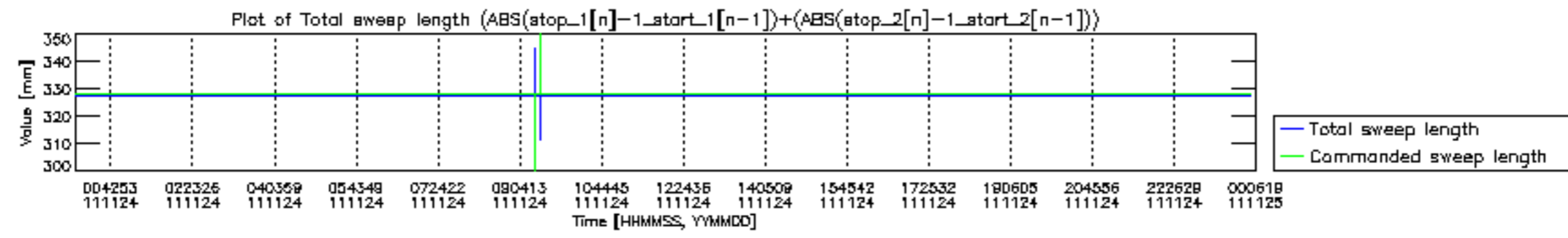


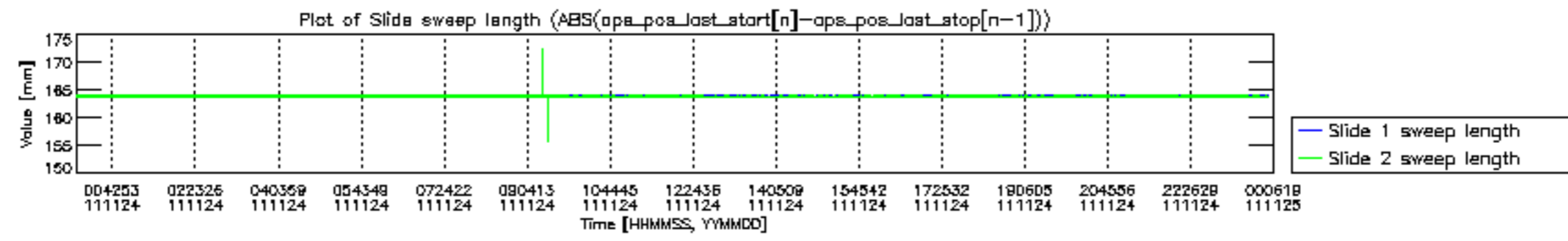


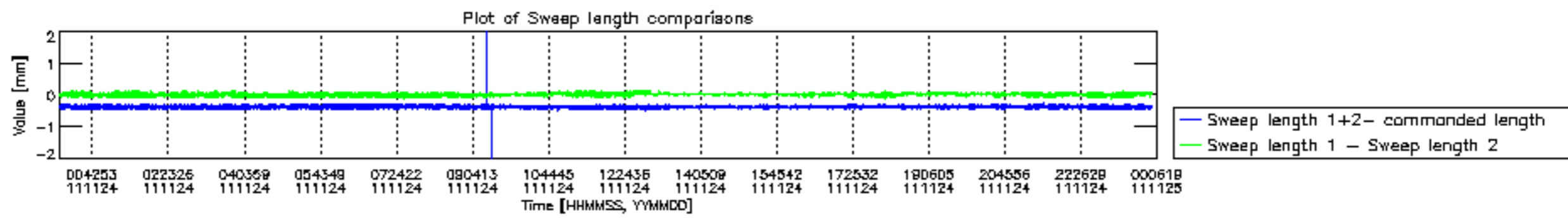


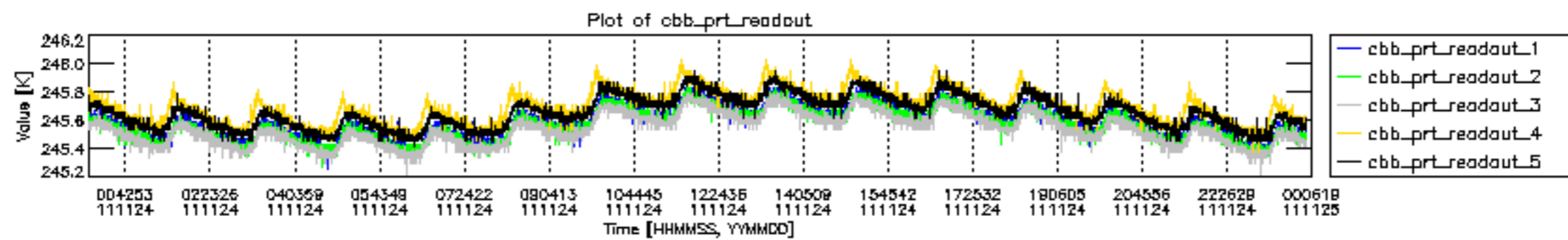


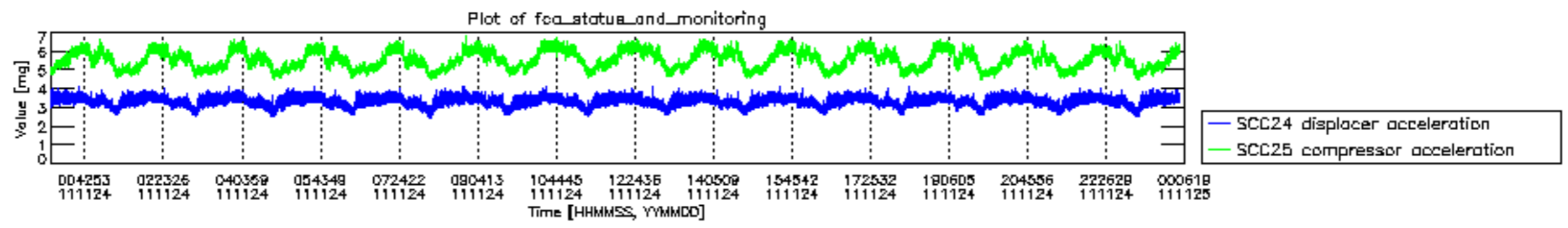












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

