

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	15SEP2011 05:25:07
Data source version	KSPT_L0/4504-N
Processing scope for products	10SEP2011 00:00:00 to 11SEP2011 00:00:00
Start time of first product within scope	10SEP2011 09:57:14
Stop time of last product within scope	11SEP2011 00:13:07
Total number of level 0 products	9
Number of level 0 products with errors	0

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__0PNPDK20110910_095714_000055503106_00252_49835_6274.N1	10SEP2011 09:57:14	10SEP2011 11:29:44	0	0	0	0	0
1	MIP_NL__0PNPDK20110910_112900_000060163106_00253_49836_6275.N1	10SEP2011 11:29:00	10SEP2011 13:09:16	0	0	0	0	0
2	MIP_NL__0PNPDK20110910_130843_000059473106_00254_49837_6276.N1	10SEP2011 13:08:43	10SEP2011 14:47:50	0	0	0	0	0
3	MIP_NL__0PNPDK20110910_144622_000058283106_00255_49838_6277.N1	10SEP2011 14:46:22	10SEP2011 16:23:31	0	0	0	0	0
4	MIP_NL__0PNPDK20110910_162232_000059163106_00256_49839_6278.N1	10SEP2011 16:22:32	10SEP2011 18:01:08	0	0	0	0	0
5	MIP_NL__0PNPDK20110910_180010_000060063106_00257_49840_6279.N1	10SEP2011 18:00:10	10SEP2011 19:40:16	0	0	0	0	0
6	MIP_NL__0PNPDK20110910_193919_000060603106_00258_49841_6280.N1	10SEP2011 19:39:19	10SEP2011 21:20:19	0	0	0	0	0
7	MIP_NL__0PNPDE20110910_211852_000043583106_00259_49842_9607.N1	10SEP2011 21:18:52	10SEP2011 22:31:29	0	0	0	0	0
8	MIP_NL__0PNPDE20110910_223033_000061543106_00259_49842_9608.N1	10SEP2011 22:30:33	11SEP2011 00:13:07	0	0	0	0	0

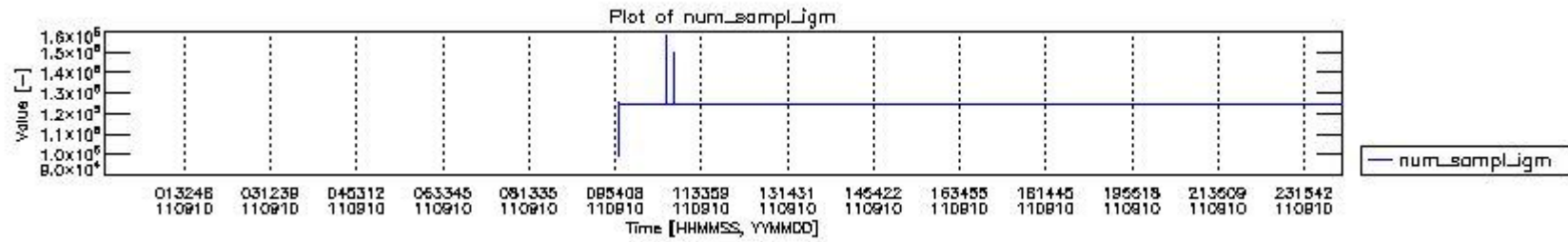
0.2 Instrument Operational Performance Parameters

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.

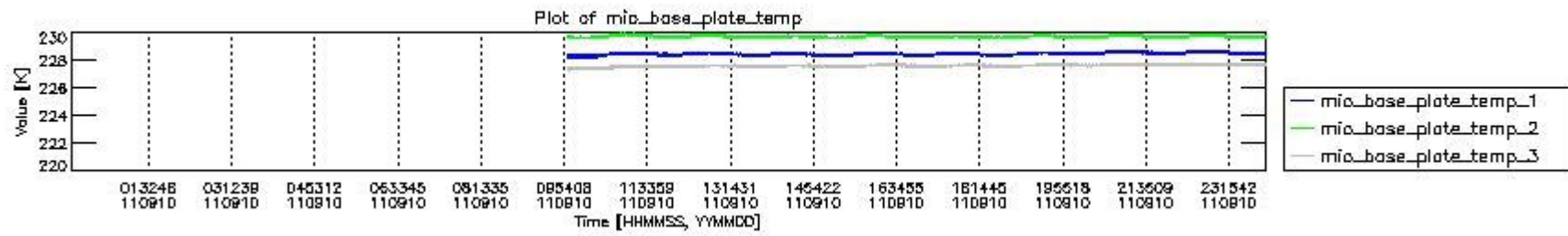
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99665	1	0.0041079571
124800	22617	92.909666
124803	1717	7.0533624
124917	1	0.0041079571
125034	1	0.0041079571
127382	1	0.0041079571
131399	1	0.0041079571
147514	1	0.0041079571
150096	1	0.0041079571

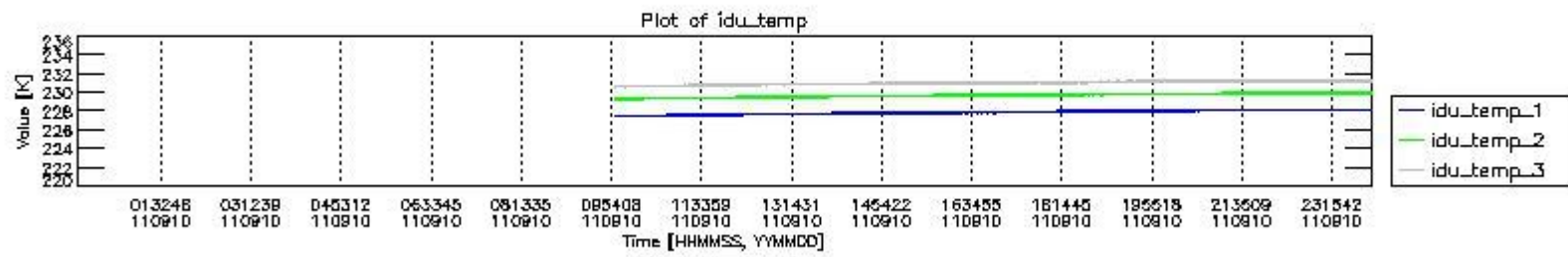
151528	1	0.0041079571
158124	1	0.0041079571



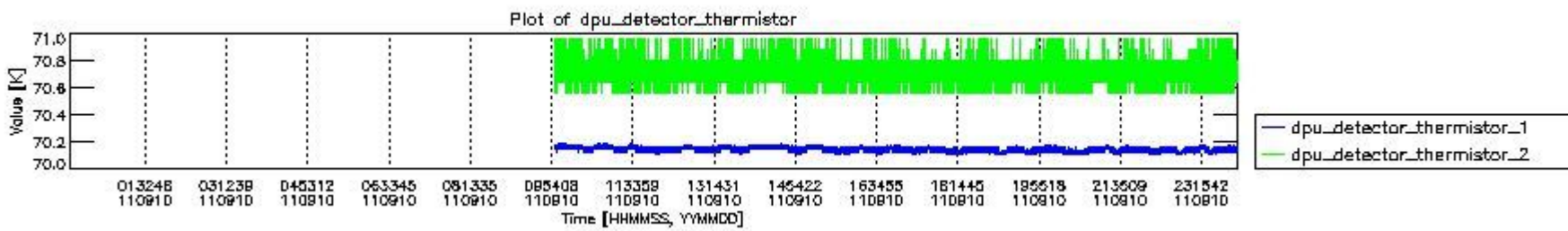
mipas_daily_report_level0_KSPT_L0_4504_N_20110910_0.PNG



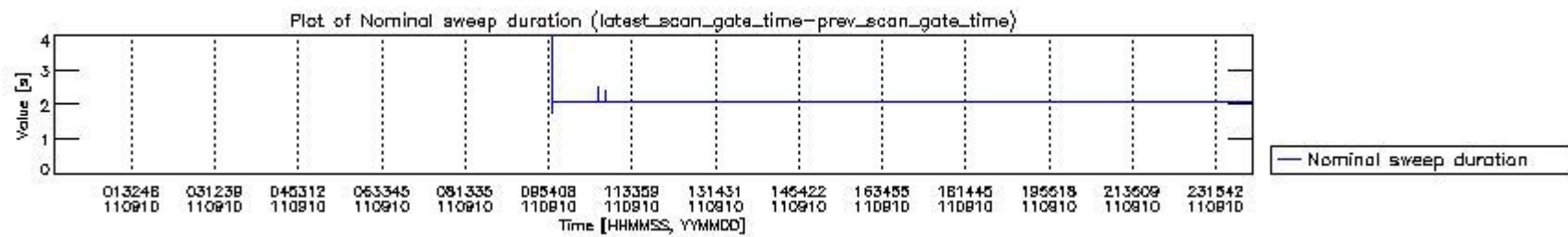
mipas_daily_report_level0_KSPT_L0_4504_N_20110910_1.PNG



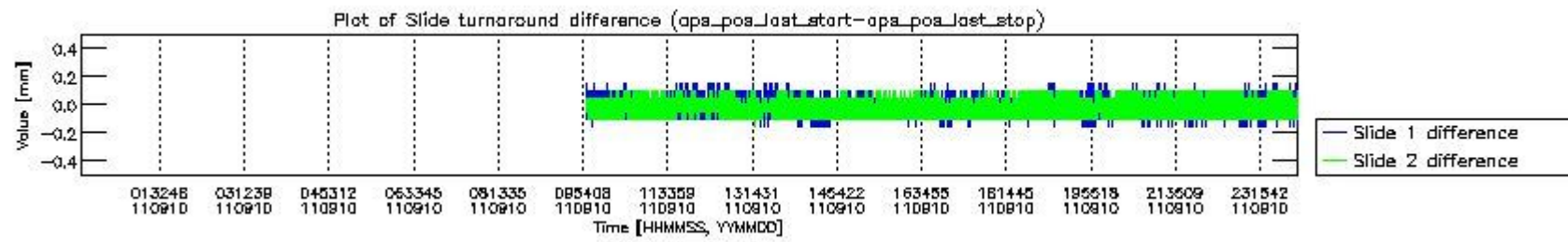
mipas_daily_report_level0_KSPT_L0_4504_N_20110910_2.PNG



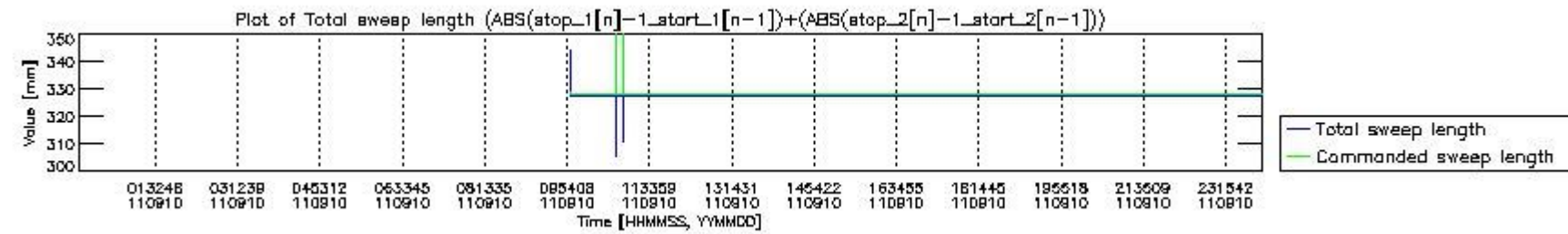
mipas_daily_report_level0_KSPT_L0_4504_N_20110910_3.PNG



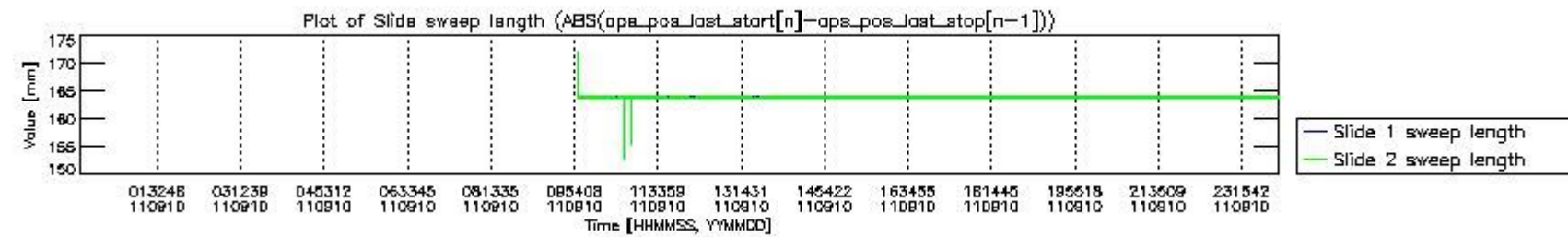
mipas_daily_report_level0_KSPT_L0_4504_N_20110910_4.PNG



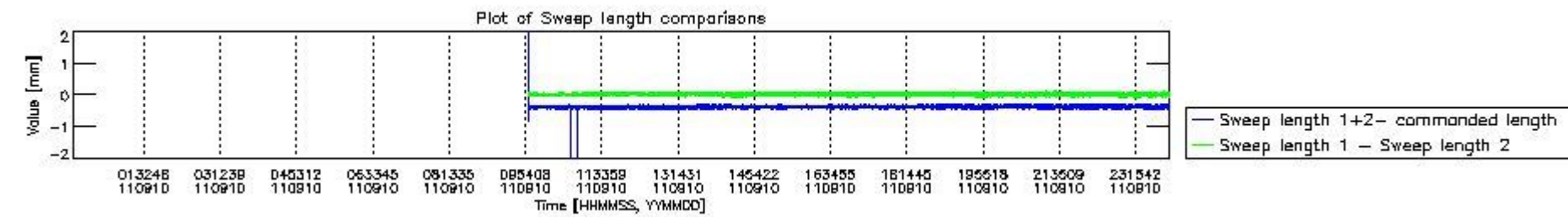
mipas_daily_report_level0_KSPT_L0_4504_N_20110910_5.PNG



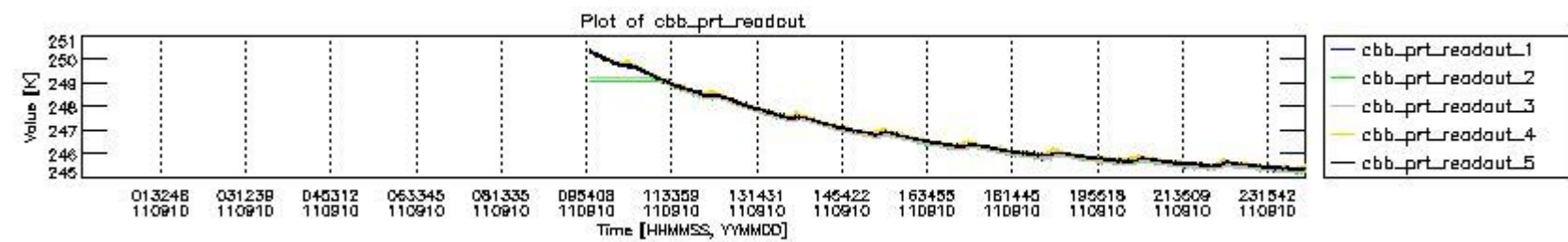
mipas_daily_report_level0_KSPT_L0_4504_N_20110910_6.PNG



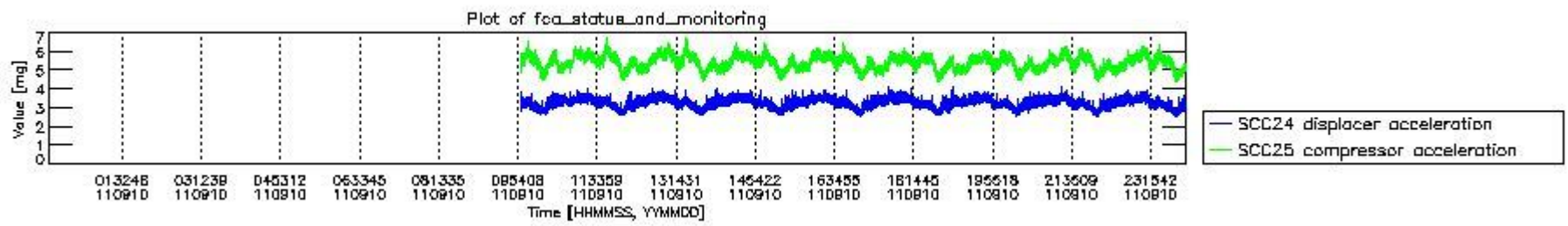
mipas_daily_report_level0_KSPT_L0_4504_N_20110910_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110910_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110910_9.PNG

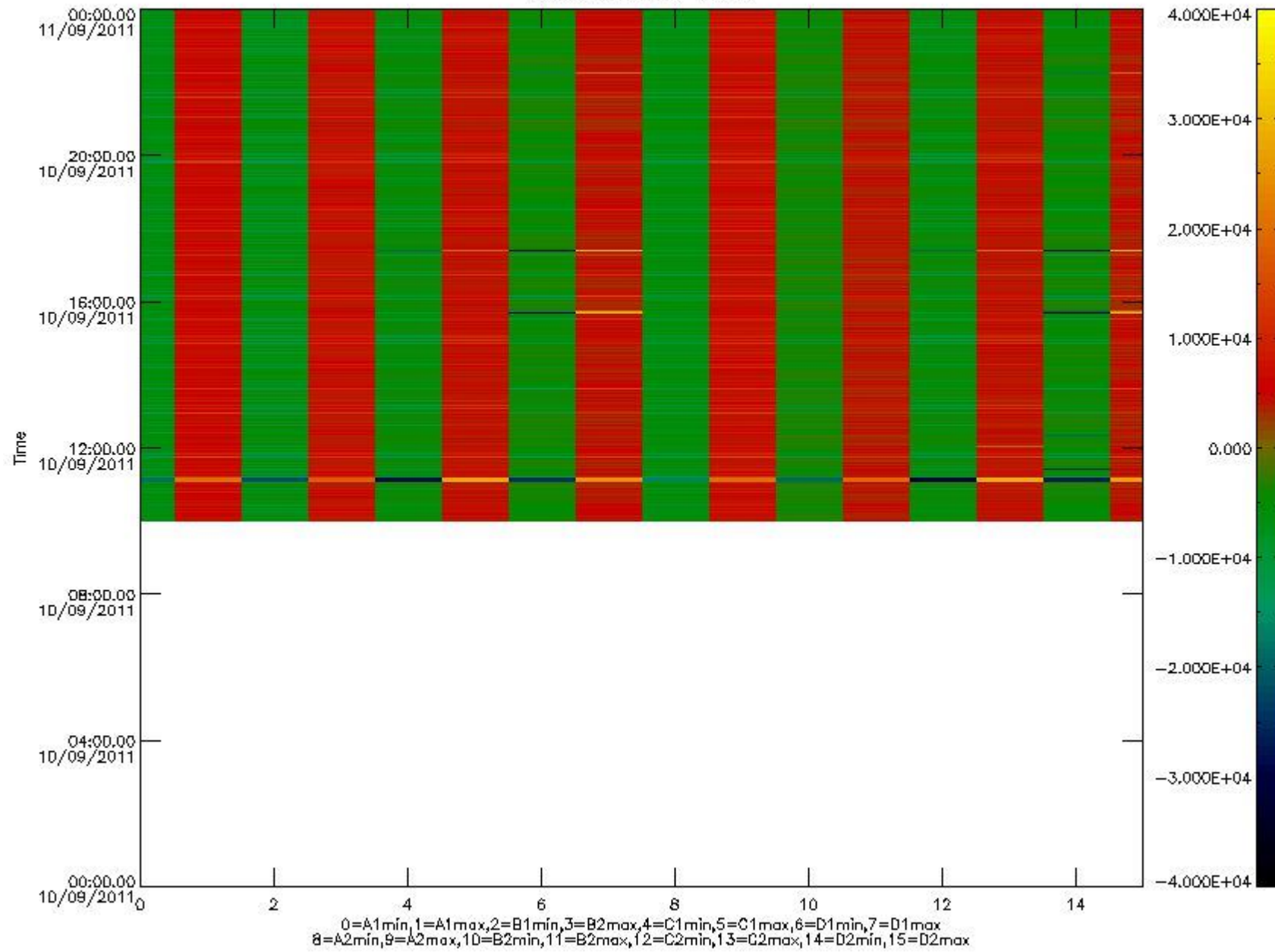


mipas_daily_report_level0_KSPT_L0_4504_N_20110910_10.PNG

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

Channel	Min	Max	ADC
A1	-19169	20600	16bit
B1	-21958	18893	16bit
C1	-29062	28854	16bit
D1	-32768	32767	16bit
A2	-16568	20829	16bit
B2	-20194	19833	16bit
C2	-30270	29809	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_20110910_11.PNG

0.3 ADF monitoring

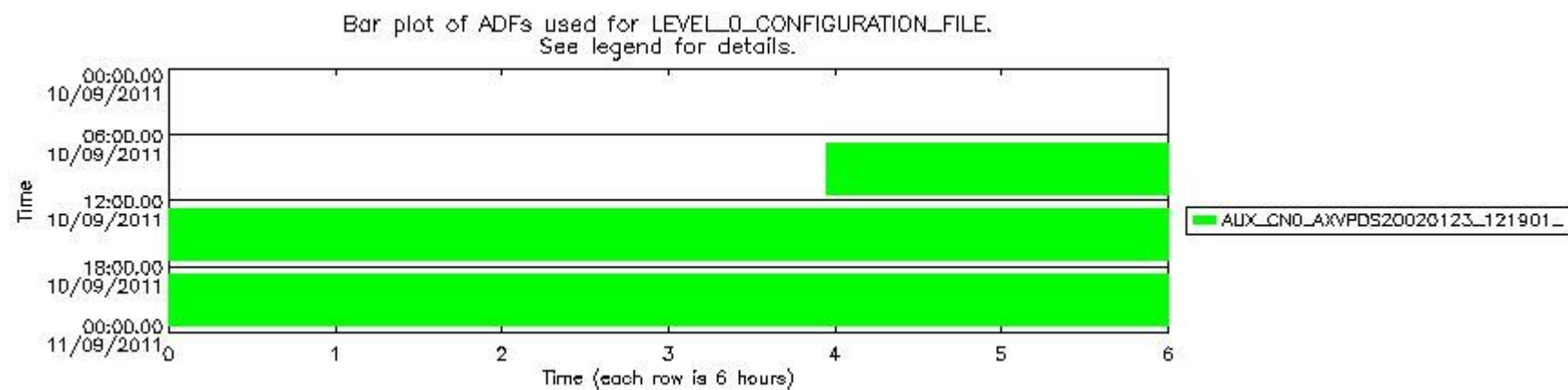
The use of ADFs is shown in two ways:

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.

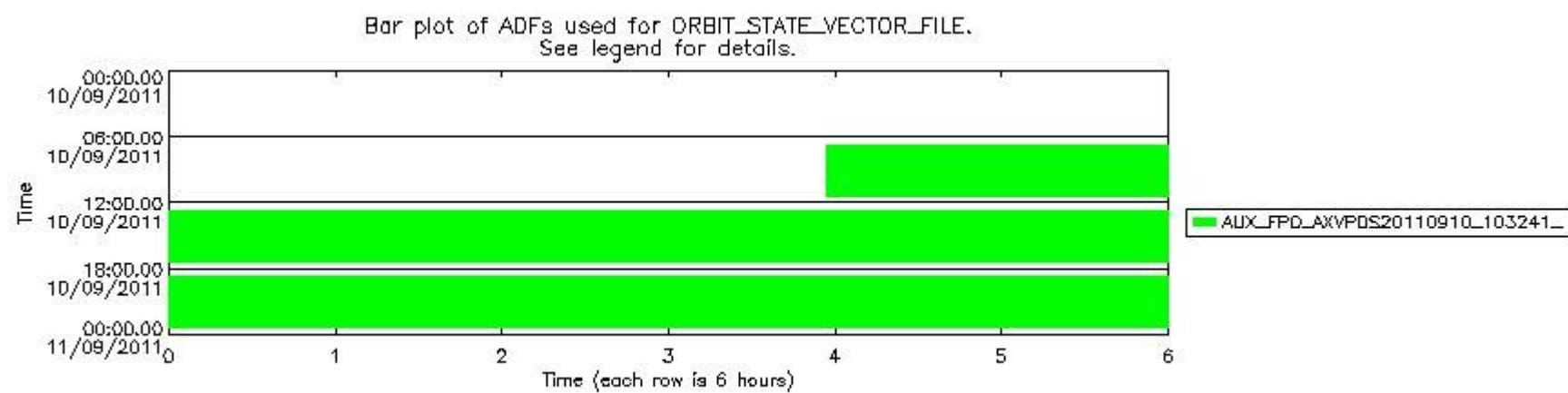
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110910_103241_20110909_181945_20110919_203331

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDK20110910_095714_000055503106_00252_49835_6274.N1	0	1

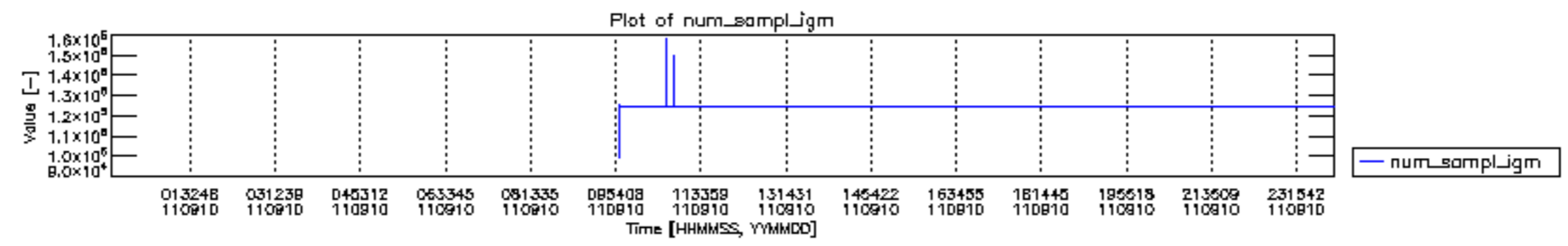
1	MIP_NL__0PNPDK20110910_112900_000060163106_00253_49836_6275.N1	0	1
2	MIP_NL__0PNPDK20110910_130843_000059473106_00254_49837_6276.N1	0	1
3	MIP_NL__0PNPDK20110910_144622_000058283106_00255_49838_6277.N1	0	1
4	MIP_NL__0PNPDK20110910_162232_000059163106_00256_49839_6278.N1	0	1
5	MIP_NL__0PNPDK20110910_180010_000060063106_00257_49840_6279.N1	0	1
6	MIP_NL__0PNPDK20110910_193919_000060603106_00258_49841_6280.N1	0	1
7	MIP_NL__0PNPDE20110910_211852_000043583106_00259_49842_9607.N1	0	1
8	MIP_NL__0PNPDE20110910_223033_000061543106_00259_49842_9608.N1	0	1

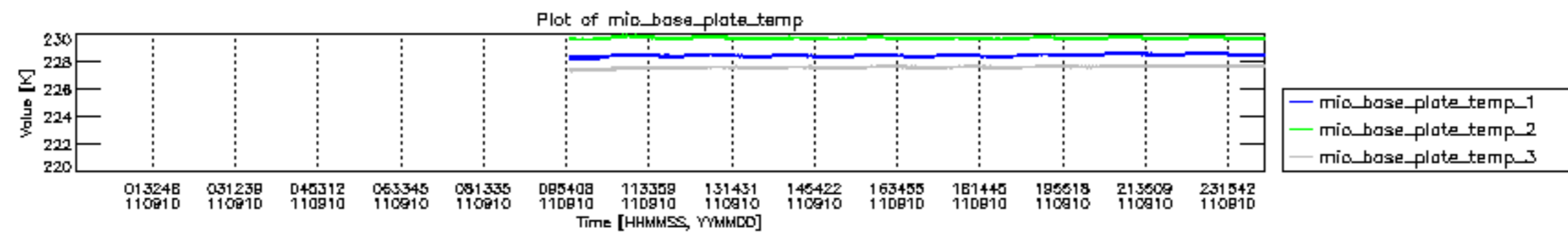


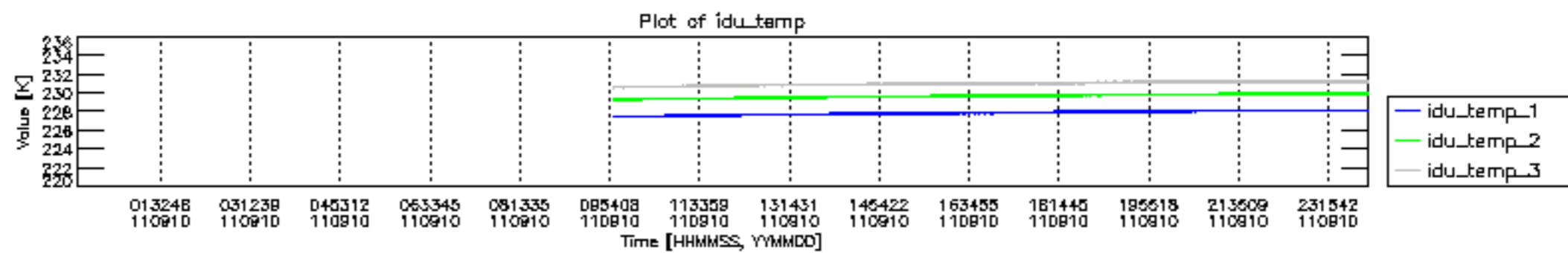
mipas_daily_report_level0_KSPT_L0_4504_N_20110910_12.PNG

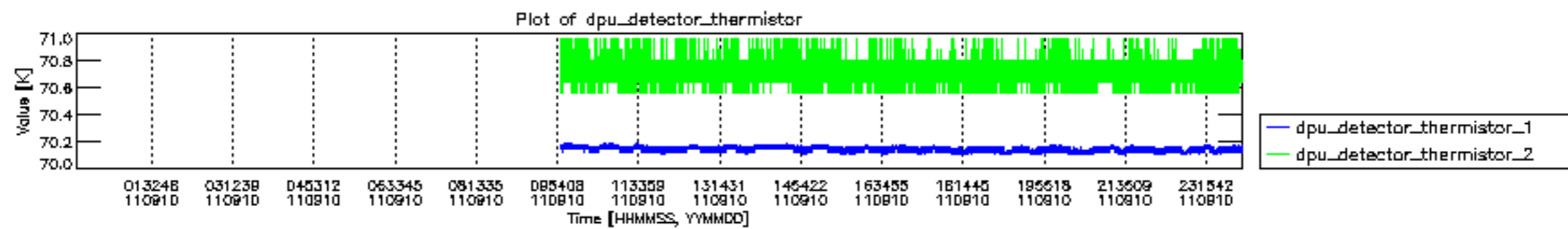


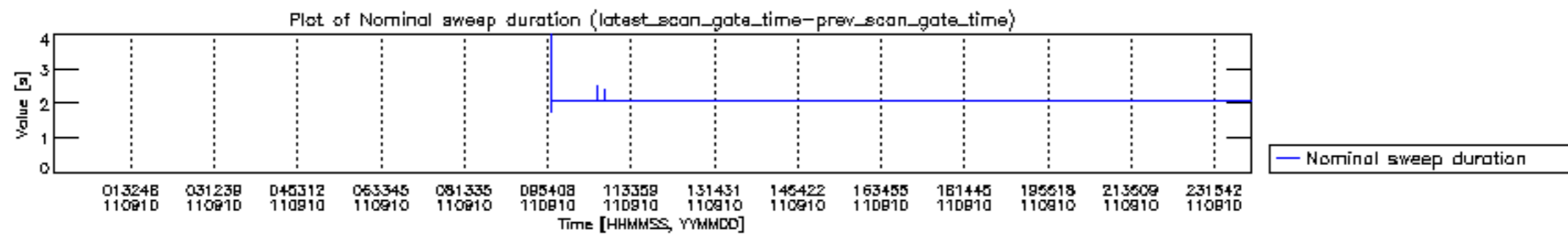
mipas_daily_report_level0_KSPT_L0_4504_N_20110910_13.PNG

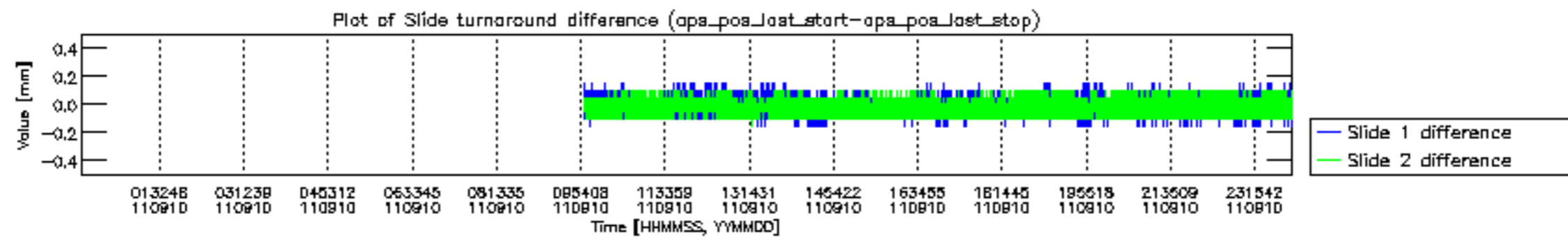


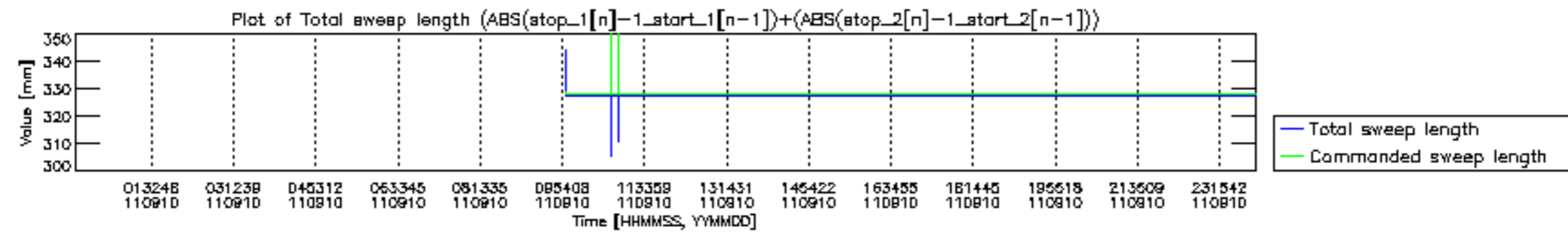


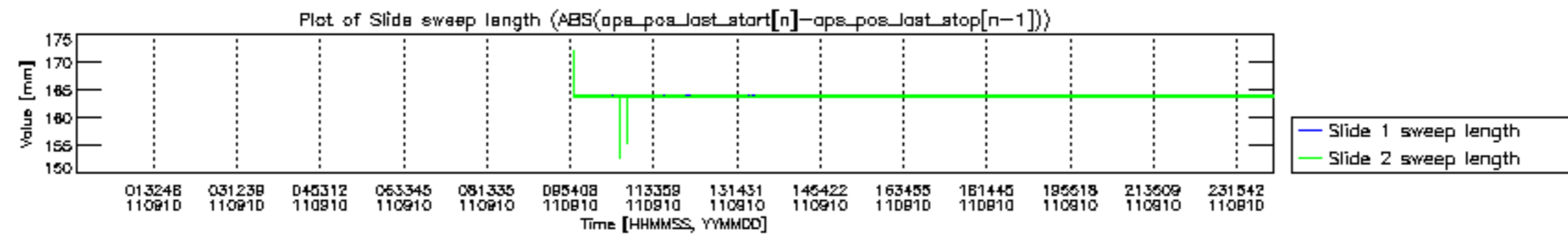


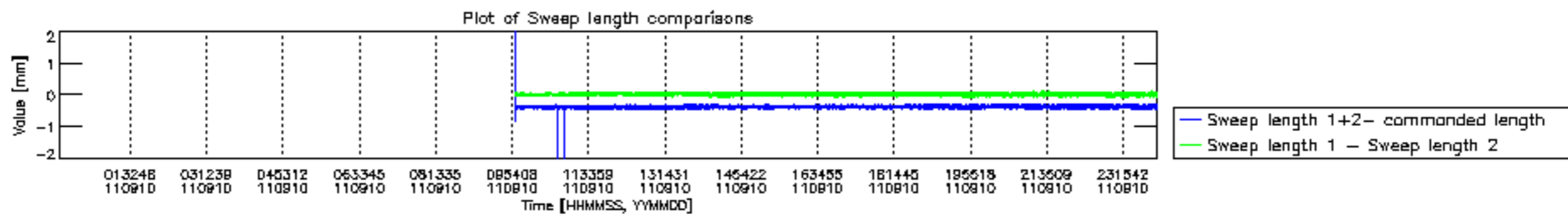


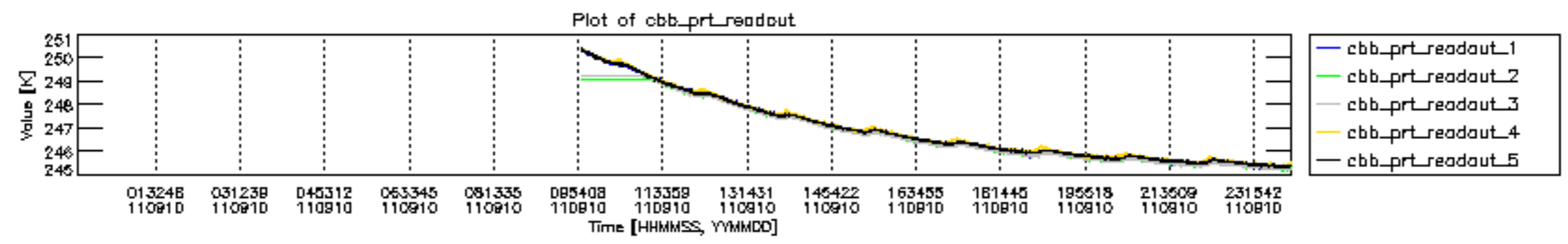


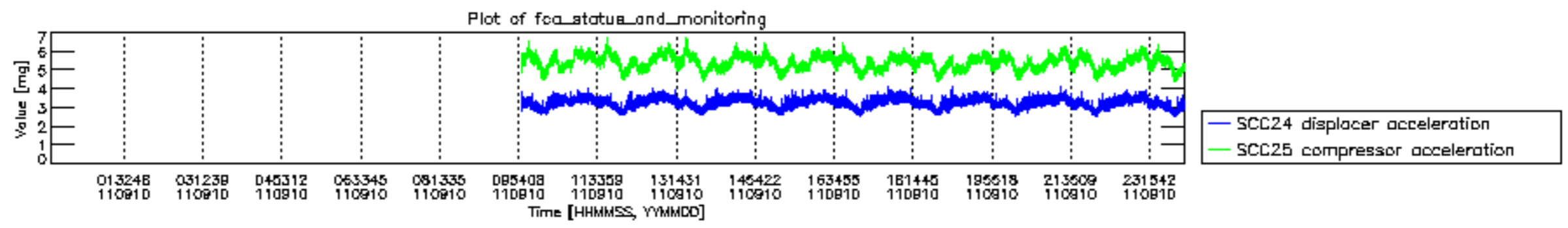












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

