

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	12NOV2011 05:25:39
Data source version	KSPT_L0/4504-N
Processing scope for products	07NOV2011 00:00:00 to 08NOV2011 00:00:00
Start time of first product within scope	07NOV2011 00:21:33
Stop time of last product within scope	08NOV2011 01:26:31
Total number of level 0 products	16
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__0PNPDE20111107_002133_000059503108_00217_50662_9958.N1	07NOV2011 00:21:33	07NOV2011 02:00:42	0	0	0	0	0
1	MIP_NL__0PNPDE20111107_015944_000044583108_00218_50663_9959.N1	07NOV2011 01:59:44	07NOV2011 03:14:02	0	0	0	0	0
2	MIP_NL__0PNPDE20111107_031328_000061903108_00219_50664_9960.N1	07NOV2011 03:13:28	07NOV2011 04:56:38	0	0	0	0	0
3	MIP_NL__0PNPDE20111107_045605_000060653108_00220_50665_9961.N1	07NOV2011 04:56:05	07NOV2011 06:37:09	0	0	0	0	0
4	MIP_NL__0PNPDK20111107_063636_000040263108_00221_50666_7457.N1	07NOV2011 06:36:36	07NOV2011 07:43:41	0	0	0	0	0
5	MIP_NL__0PNPDK20111107_074245_000061013108_00222_50667_7458.N1	07NOV2011 07:42:45	07NOV2011 09:24:26	0	0	0	0	0
6	MIP_NL__0PNPDK20111107_092250_000059503108_00223_50668_7459.N1	07NOV2011 09:22:50	07NOV2011 11:01:59	0	0	0	0	0
7	MIP_NL__0PNPDK20111107_110019_000062323108_00224_50669_7460.N1	07NOV2011 11:00:19	07NOV2011 12:44:11	0	0	0	0	0
8	MIP_NL__0PNPDK20111107_124233_000059333108_00225_50670_7461.N1	07NOV2011 12:42:33	07NOV2011 14:21:26	0	0	0	0	0
9	MIP_NL__0PNPDK20111107_141956_000059043108_00226_50671_7462.N1	07NOV2011 14:19:56	07NOV2011 15:58:19	0	0	0	0	0
10	MIP_NL__0PNPDK20111107_155736_000059143108_00227_50672_7463.N1	07NOV2011 15:57:36	07NOV2011 17:36:10	0	0	0	0	0
11	MIP_NL__0PNPDK20111107_173509_000060083108_00228_50673_7464.N1	07NOV2011 17:35:09	07NOV2011 19:15:17	0	0	0	0	0
12	MIP_NL__0PNPDK20111107_191331_000060903108_00229_50674_7465.N1	07NOV2011 19:13:31	07NOV2011 20:55:00	0	0	0	0	0
13	MIP_NL__0PNPDE20111107_205309_000042893108_00230_50675_9962.N1	07NOV2011 20:53:09	07NOV2011 22:04:38	0	0	0	0	0
14	MIP_NL__0PNPDE20111107_220342_000061343108_00230_50675_9963.N1	07NOV2011 22:03:42	07NOV2011 23:45:55	0	0	0	0	0
15	MIP_NL__0PNPDE20111107_234449_000061023108_00231_50676_9964.N1	07NOV2011 23:44:49	08NOV2011 01:26:31	0	0	0	0	0

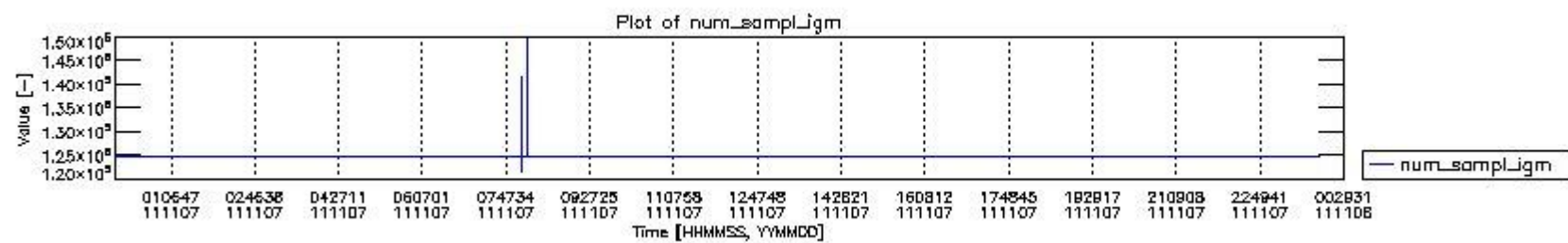
0.2 Instrument Operational Performance Parameters

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.

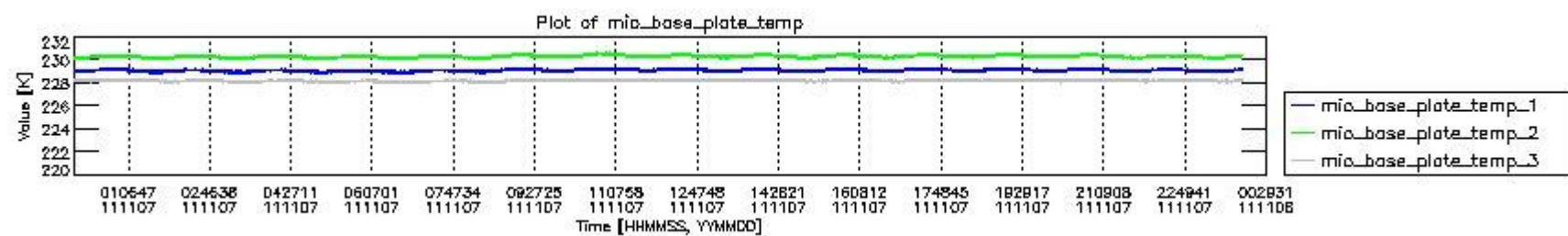
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
121583	1	0.0023957834
124800	38772	92.889315

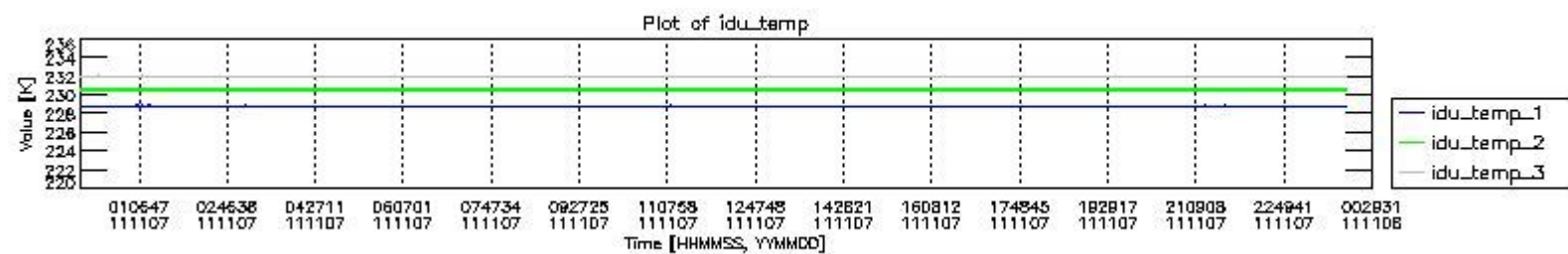
124803	2962	7.0963105
127159	1	0.0023957834
138498	1	0.0023957834
141715	1	0.0023957834
147291	1	0.0023957834
149650	1	0.0023957834



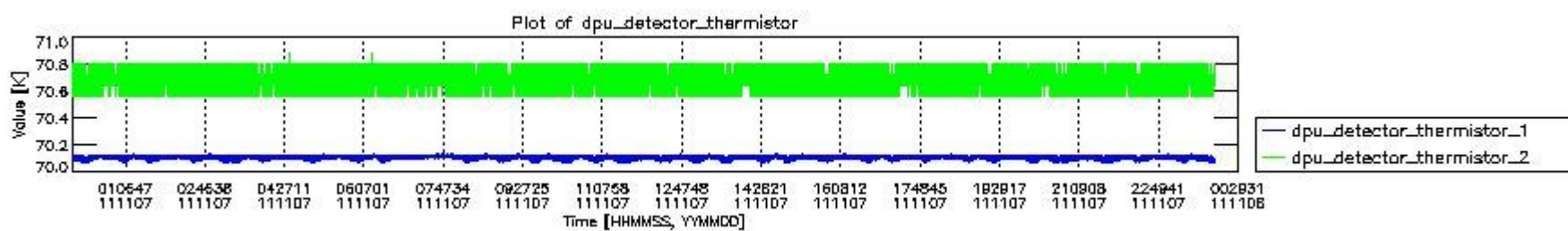
mipas_daily_report_level0_KSPT_L0_4504_N_20111107_0.PNG



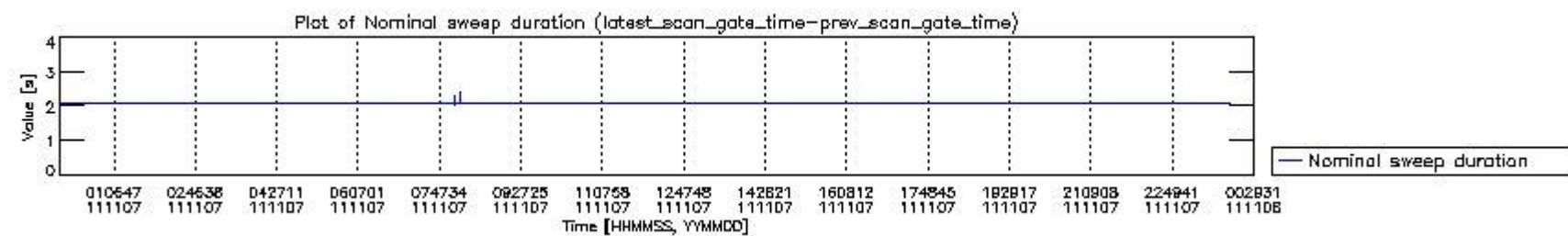
mipas_daily_report_level0_KSPT_L0_4504_N_20111107_1.PNG



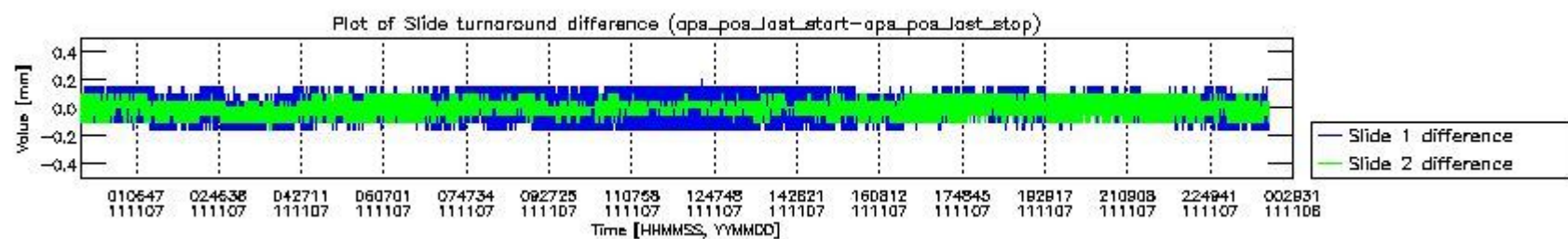
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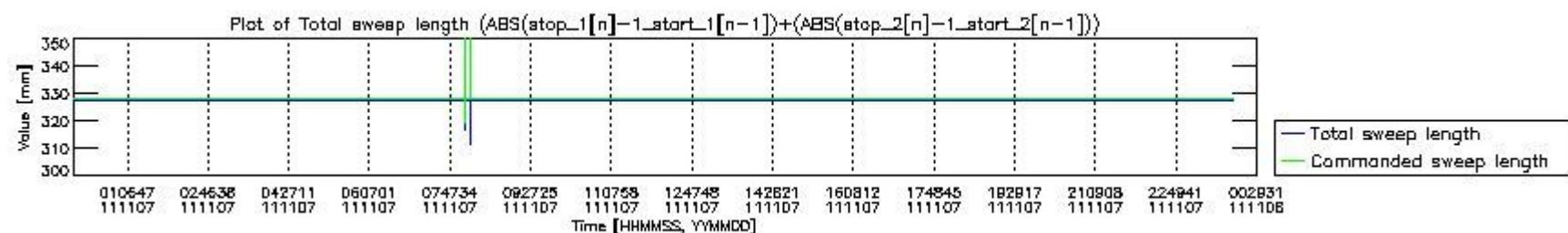
mipas_daily_report_level0_KSPT_L0_4504_N_20111107_3.PNG



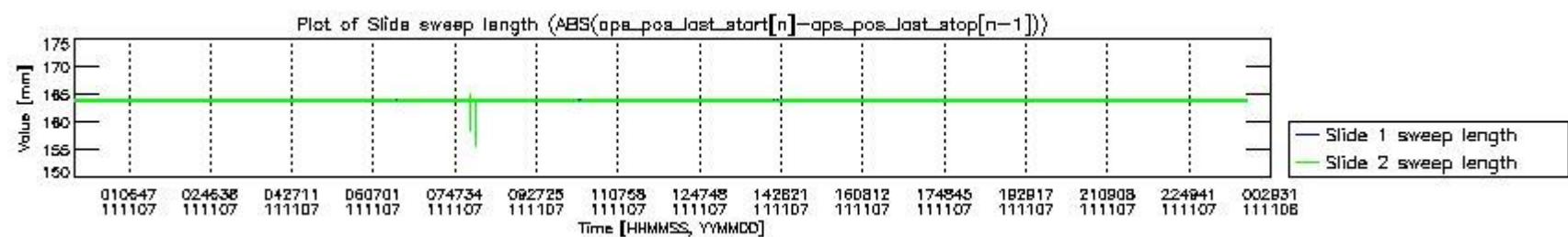
mipas_daily_report_level0_KSPT_L0_4504_N_20111107_4.PNG



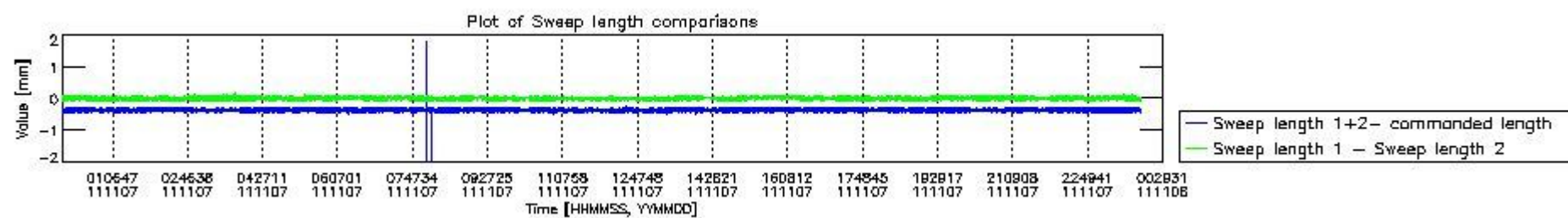
mipas_daily_report_level0_KSPT_L0_4504_N_20111107_5.PNG



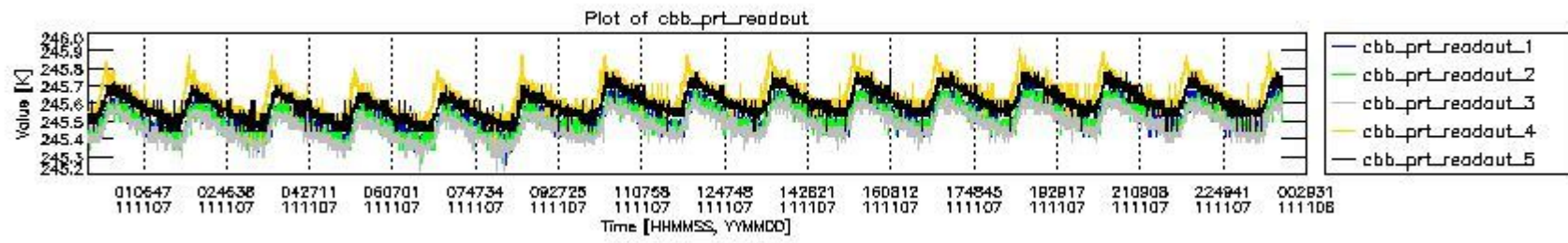
mipas_daily_report_level0_KSPT_L0_4504_N_20111107_6.PNG



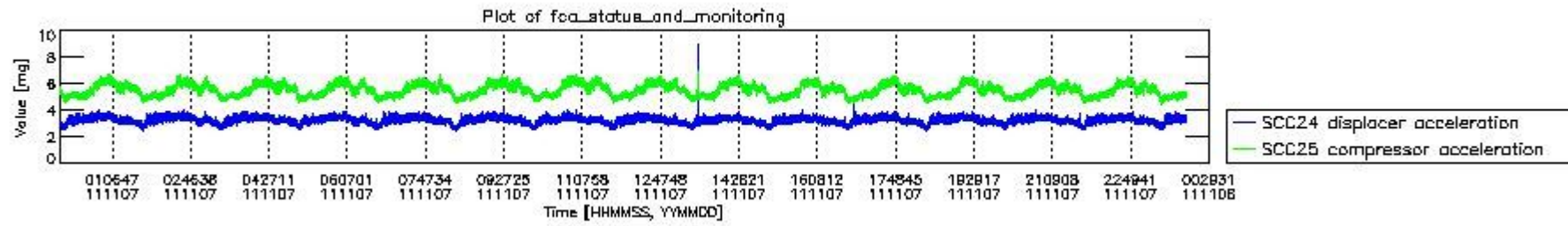
mipas_daily_report_level0_KSPT_L0_4504_N_20111107_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111107_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111107_9.PNG

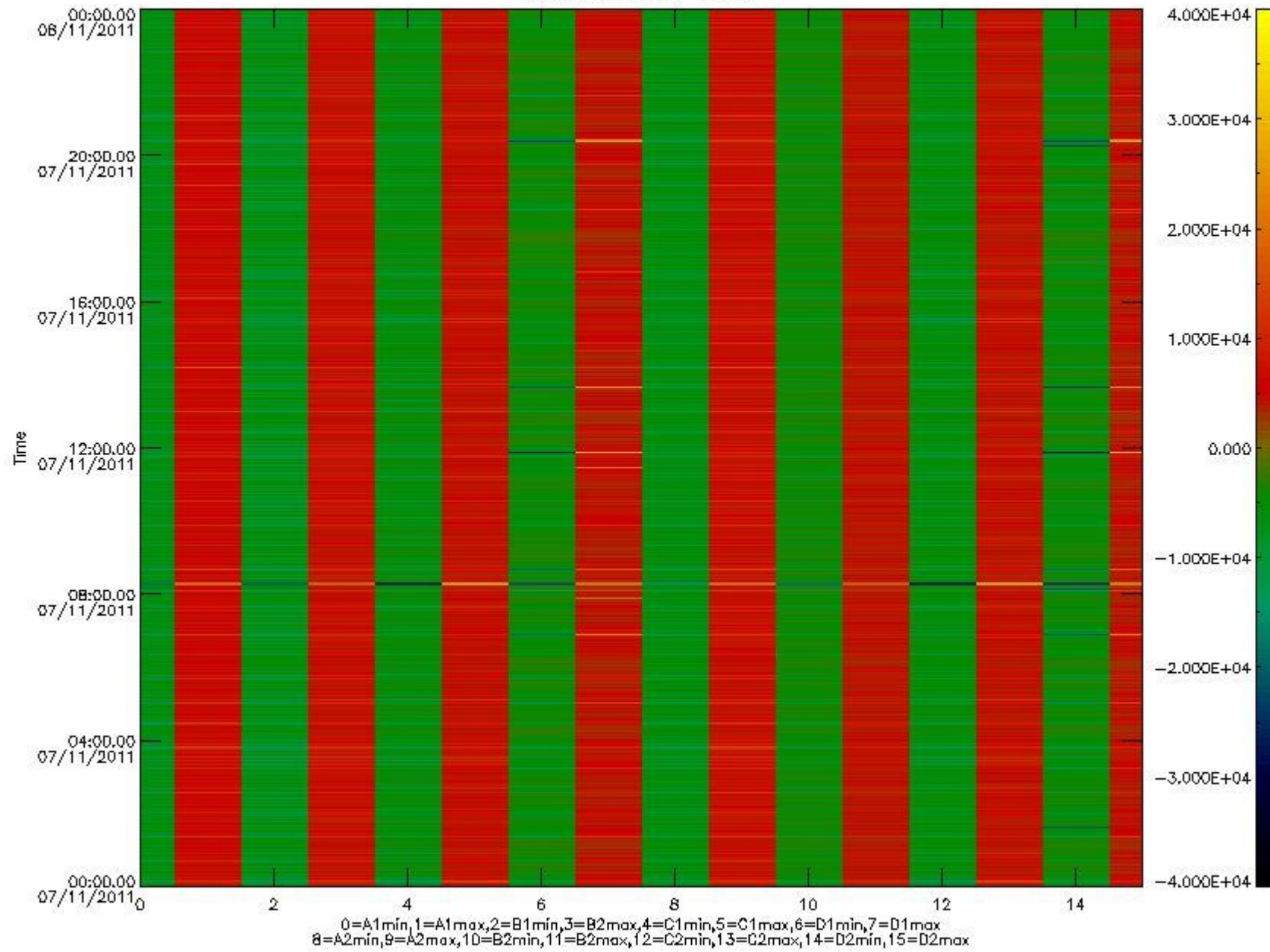


mipas_daily_report_level0_KSPT_L0_4504_N_20111107_10.PNG

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

Channel	Min	Max	ADC
A1	-18503	19627	16bit
B1	-20823	17879	16bit
C1	-25724	25580	16bit
D1	-32768	32767	16bit
A2	-16002	19792	16bit
B2	-18842	18449	16bit
C2	-26771	26308	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_20111107_11.PNG

0.3 ADF monitoring

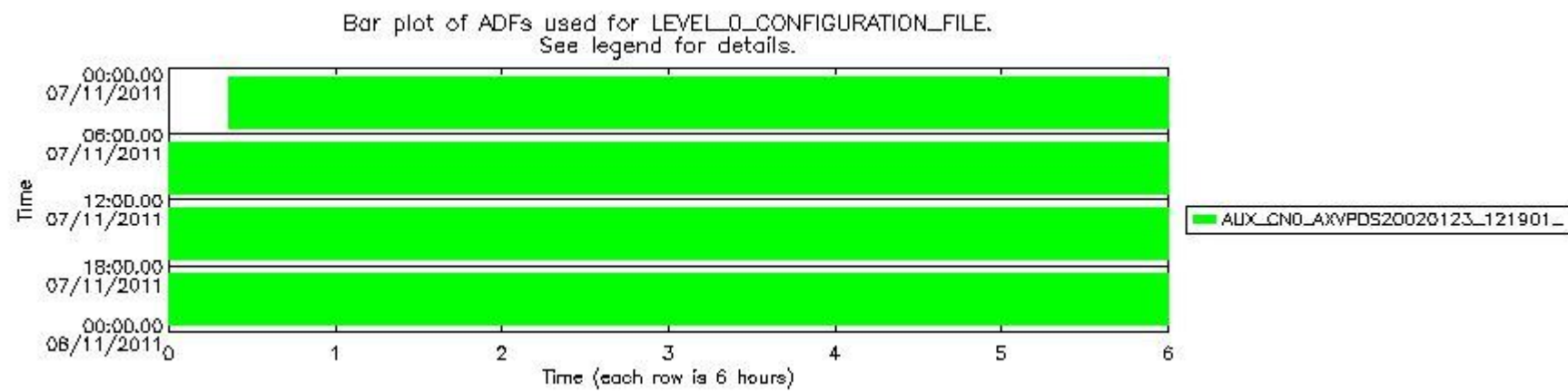
The use of ADFs is shown in two ways:

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.

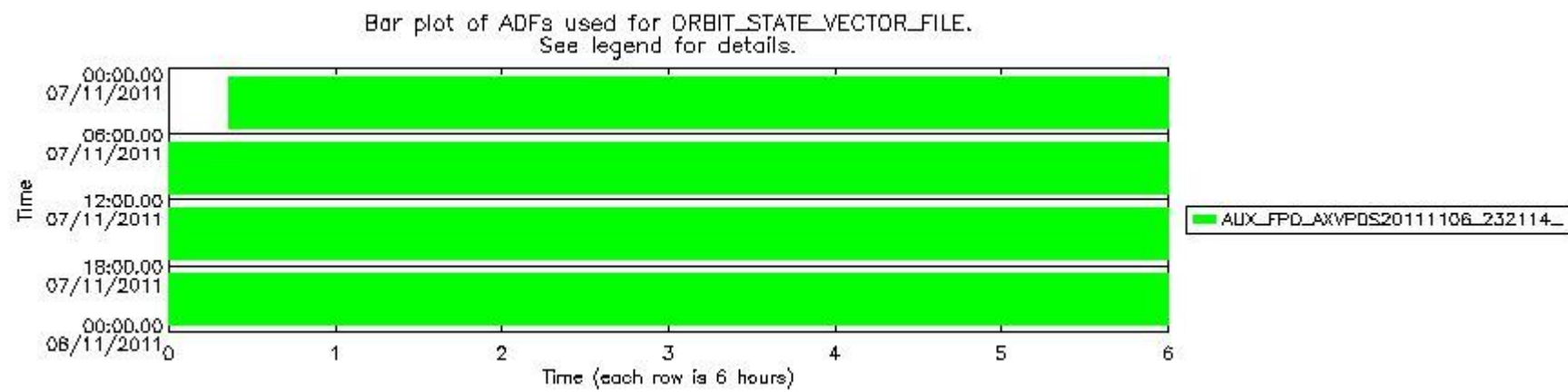
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111106_232114_20111106_193347_20111116_200714

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111107_002133_000059503108_00217_50662_9958.N1	0	1

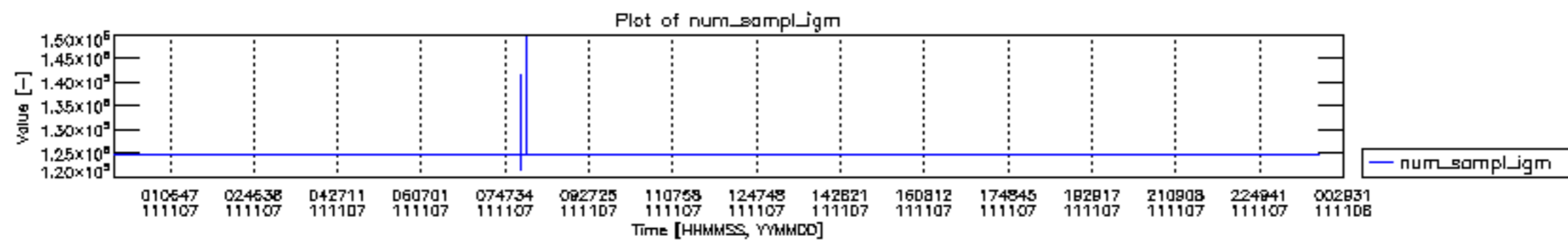
1	MIP_NL__0PNPDE20111107_015944_000044583108_00218_50663_9959.N1	0	1
2	MIP_NL__0PNPDE20111107_031328_000061903108_00219_50664_9960.N1	0	1
3	MIP_NL__0PNPDE20111107_045605_000060653108_00220_50665_9961.N1	0	1
4	MIP_NL__0PNPDK20111107_063636_000040263108_00221_50666_7457.N1	0	1
5	MIP_NL__0PNPDK20111107_074245_000061013108_00222_50667_7458.N1	0	1
6	MIP_NL__0PNPDK20111107_092250_000059503108_00223_50668_7459.N1	0	1
7	MIP_NL__0PNPDK20111107_110019_000062323108_00224_50669_7460.N1	0	1
8	MIP_NL__0PNPDK20111107_124233_000059333108_00225_50670_7461.N1	0	1
9	MIP_NL__0PNPDK20111107_141956_000059043108_00226_50671_7462.N1	0	1
10	MIP_NL__0PNPDK20111107_155736_000059143108_00227_50672_7463.N1	0	1
11	MIP_NL__0PNPDK20111107_173509_000060083108_00228_50673_7464.N1	0	1
12	MIP_NL__0PNPDK20111107_191331_000060903108_00229_50674_7465.N1	0	1
13	MIP_NL__0PNPDE20111107_205309_000042893108_00230_50675_9962.N1	0	1
14	MIP_NL__0PNPDE20111107_220342_000061343108_00230_50675_9963.N1	0	1
15	MIP_NL__0PNPDE20111107_234449_000061023108_00231_50676_9964.N1	0	1

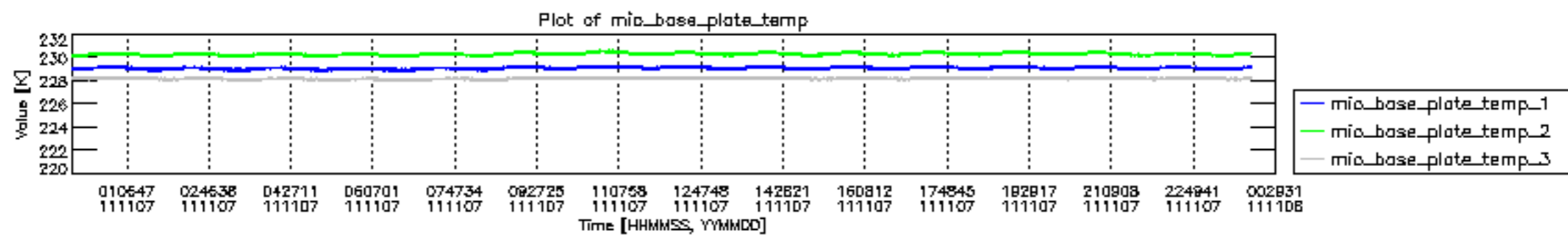


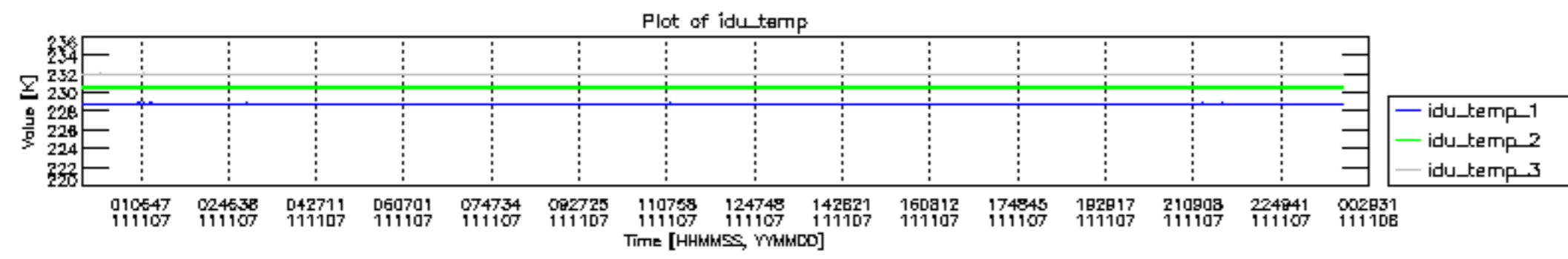
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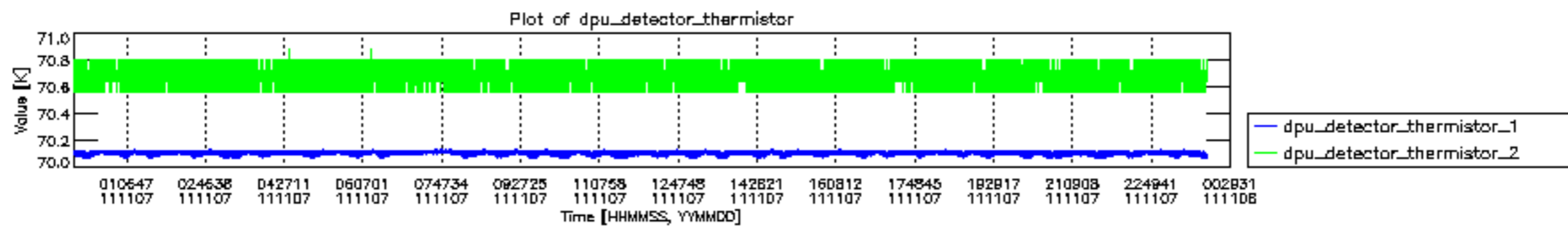


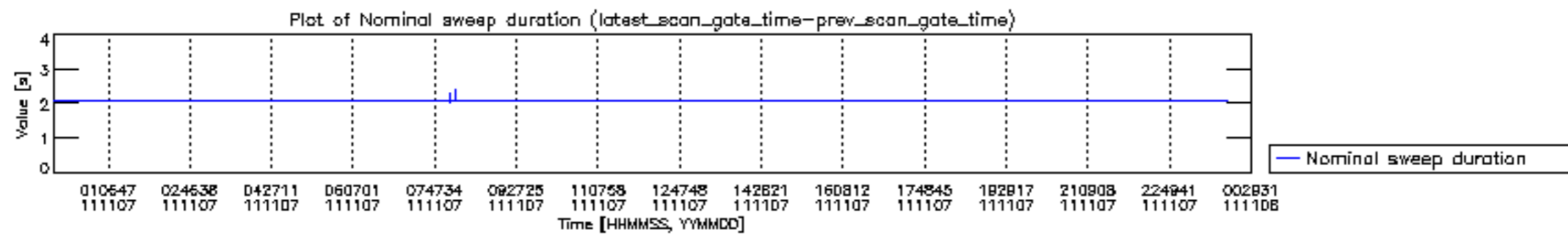
mipas_daily_report_level0_KSPT_L0_4504_N_20111107_13.PNG

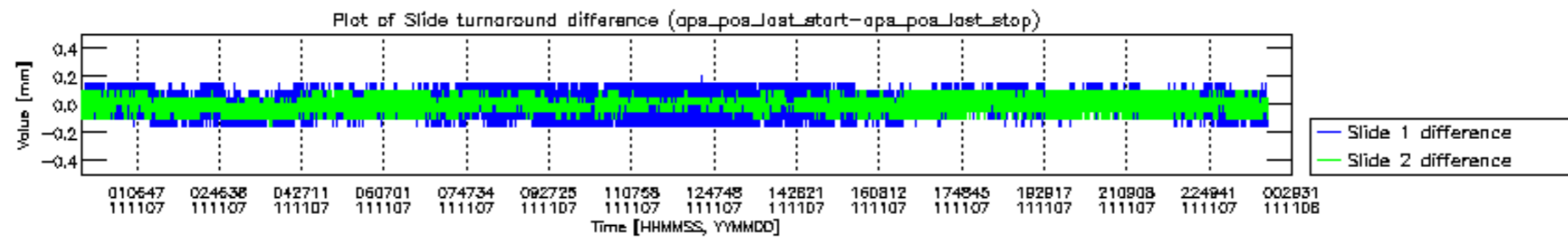


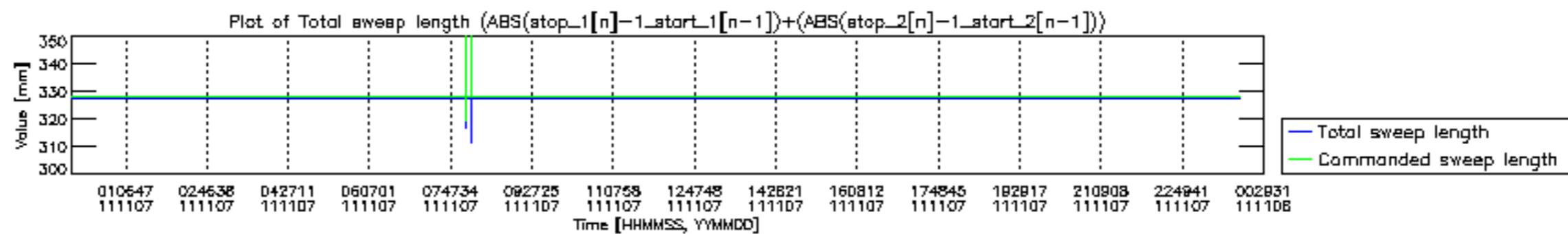


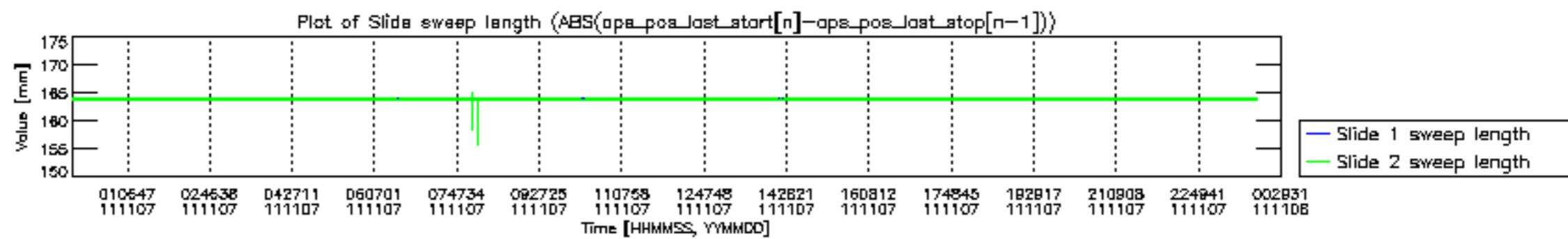


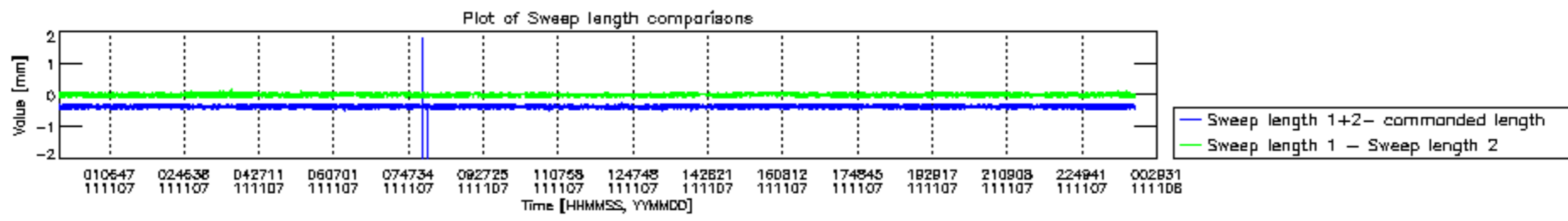


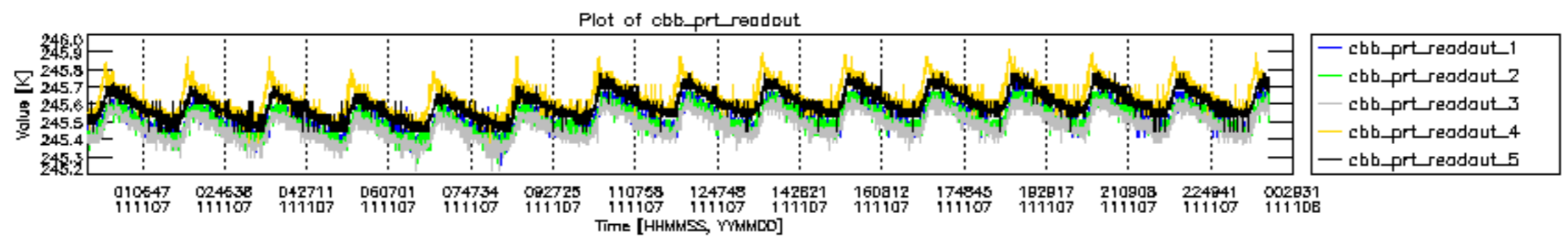


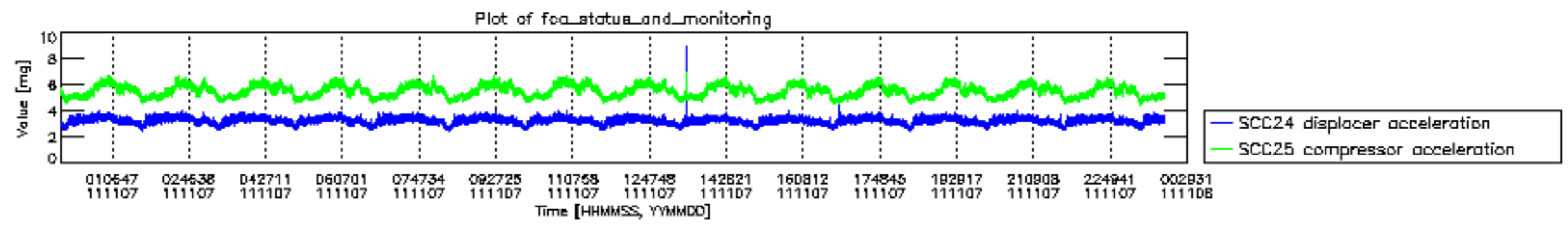












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

