

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	18JUL2011 05:22:39
Data source version	KSPT_L0/4504-N
Processing scope for products	13JUL2011 00:00:00 to 14JUL2011 00:00:00
Start time of first product within scope	13JUL2011 00:12:23
Stop time of last product within scope	14JUL2011 01:15:07
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.

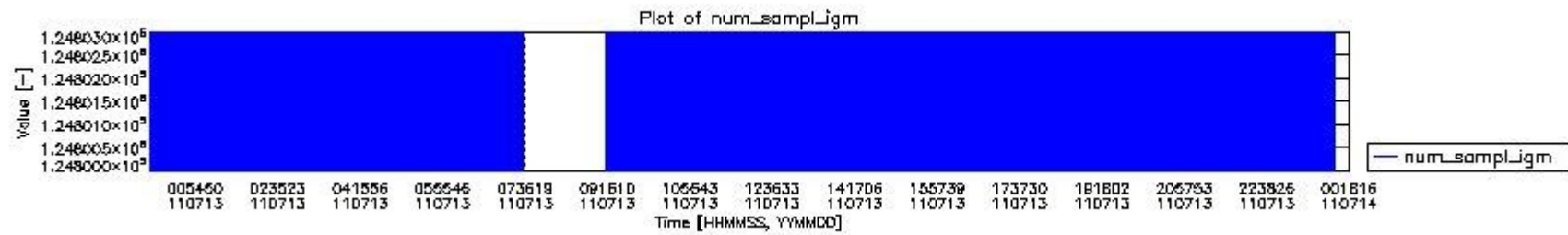
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110713_001223_000058663104_00260_48981_9222.N1	13JUL2011 00:12:23	13JUL2011 01:50:09	0	0	0	0	0
1	MIP_NL__0PNPDE20110713_014909_000044893104_00261_48982_9223.N1	13JUL2011 01:49:09	13JUL2011 03:03:58	0	0	0	0	0
2	MIP_NL__0PNPDE20110713_030320_000061173104_00262_48983_9224.N1	13JUL2011 03:03:20	13JUL2011 04:45:17	0	0	0	0	0
3	MIP_NL__0PNPDE20110713_044442_000060423104_00263_48984_9225.N1	13JUL2011 04:44:42	13JUL2011 06:25:23	0	0	0	0	0
4	MIP_NL__0PNPDK20110713_062446_000041033104_00264_48985_5757.N1	13JUL2011 06:24:46	13JUL2011 07:33:08	0	0	0	0	0
5	MIP_NL__0PNPDK20110713_091352_000060103104_00266_48987_5759.N1	13JUL2011 09:13:52	13JUL2011 10:54:02	0	0	0	0	0
6	MIP_NL__0PNPDK20110713_105329_000059143104_00267_48988_5760.N1	13JUL2011 10:53:29	13JUL2011 12:32:03	0	0	0	0	0
7	MIP_NL__0PNPDK20110713_123119_000059983104_00268_48989_5761.N1	13JUL2011 12:31:19	13JUL2011 14:11:17	0	0	0	0	0
8	MIP_NL__0PNPDK20110713_141044_000058643104_00269_48990_5762.N1	13JUL2011 14:10:44	13JUL2011 15:48:28	0	0	0	0	0
9	MIP_NL__0PNPDK20110713_154756_000058143104_00270_48991_5763.N1	13JUL2011 15:47:56	13JUL2011 17:24:50	0	0	0	0	0
10	MIP_NL__0PNPDK20110713_172356_000033913104_00271_48992_5764.N1	13JUL2011 17:23:56	13JUL2011 18:20:27	0	0	0	0	0
11	MIP_NL__0PNPDK20110713_182027_000026093104_00271_48992_5765.N1	13JUL2011 18:20:27	13JUL2011 19:03:56	0	0	0	0	0
12	MIP_NL__0PNPDK20110713_190257_000060583104_00272_48993_5766.N1	13JUL2011 19:02:57	13JUL2011 20:43:56	0	0	0	0	0
13	MIP_NL__0PNPDE20110713_204222_000042853104_00273_48994_9226.N1	13JUL2011 20:42:22	13JUL2011 21:53:46	0	0	0	0	0
14	MIP_NL__0PNPDE20110713_215250_000061543104_00273_48994_9227.N1	13JUL2011 21:52:50	13JUL2011 23:35:24	0	0	0	0	0
15	MIP_NL__0PNPDE20110713_233424_000060443104_00274_48995_9228.N1	13JUL2011 23:34:24	14JUL2011 01:15:07	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

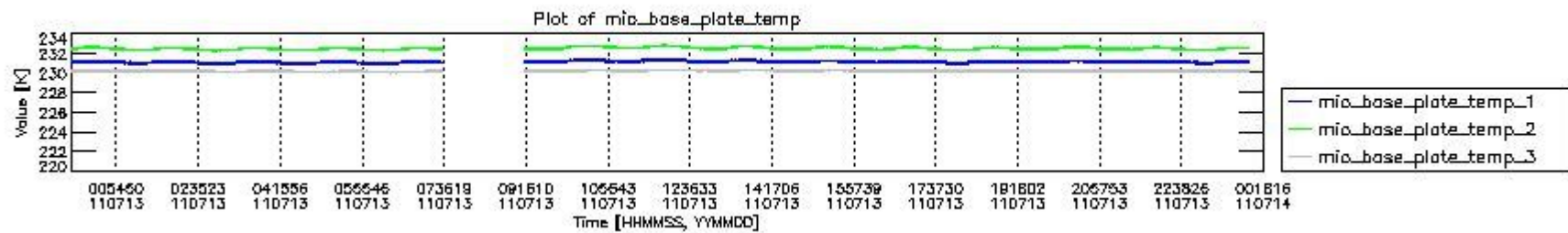
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

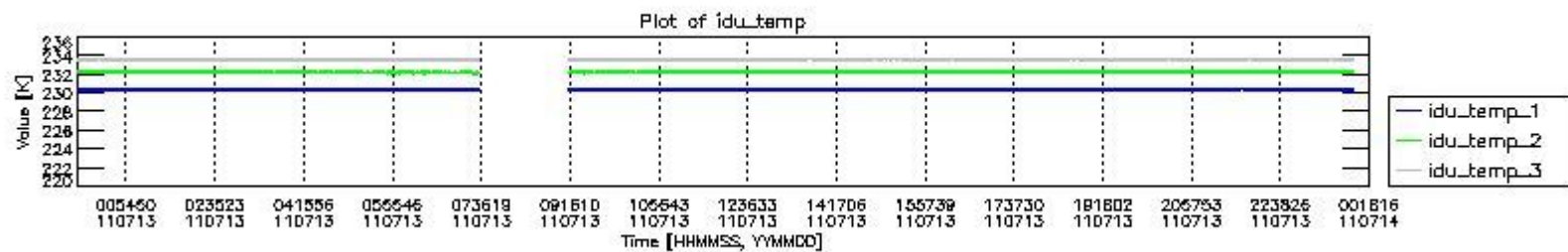
Number of igm samples	Count [#]	Count [%]
124800	35879	92.840139
124803	2767	7.1598613



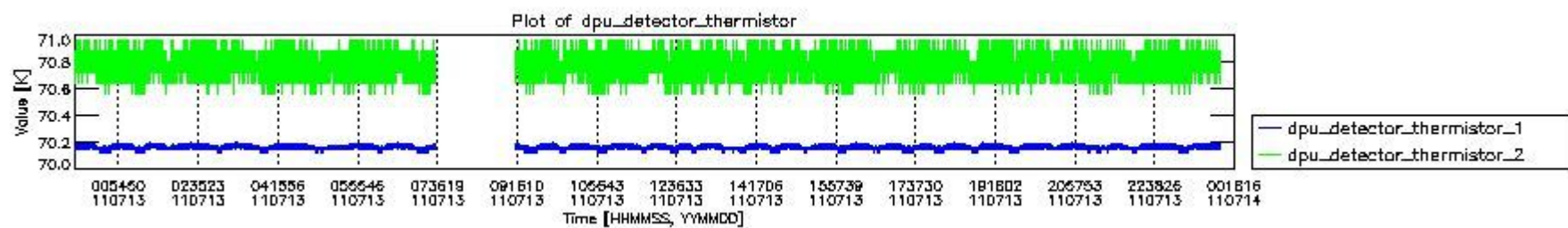
mipas_daily_report_level0_KSPT_L0_4504_N_20110713_0.PNG



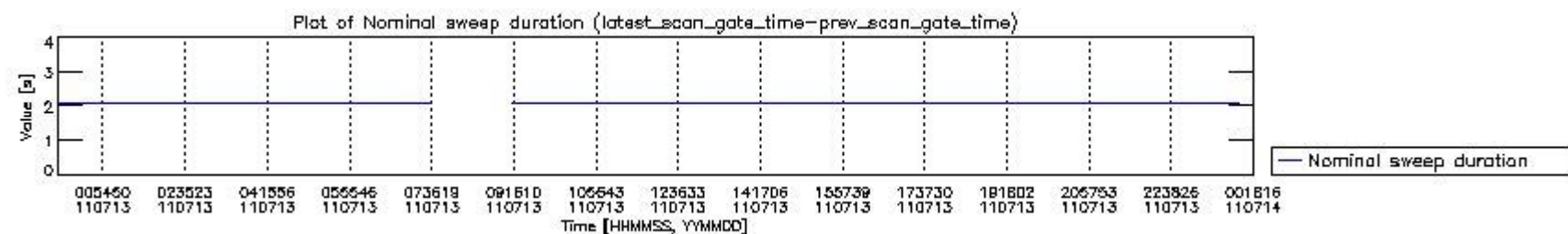
mipas_daily_report_level0_KSPT_L0_4504_N_20110713_1.PNG



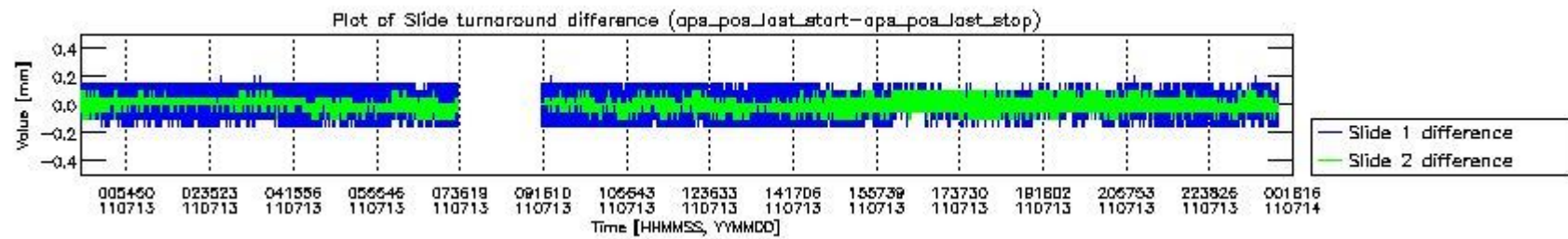
mipas_daily_report_level0_KSPT_L0_4504_N_20110713_2.PNG



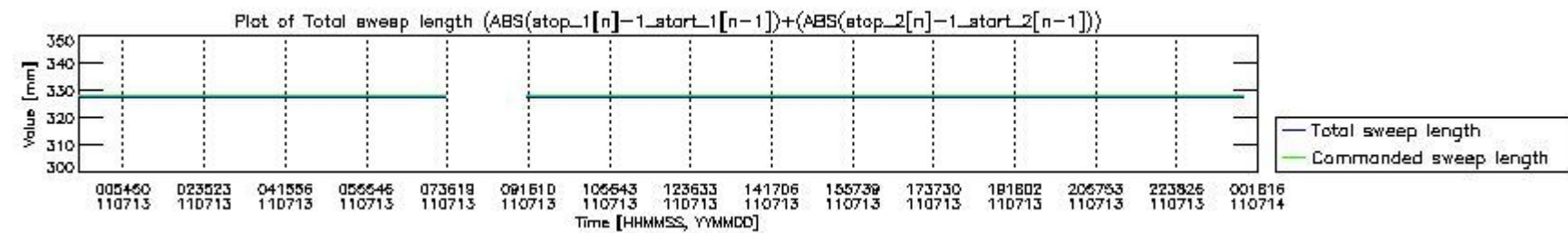
mipas_daily_report_level0_KSPT_L0_4504_N_20110713_3.PNG



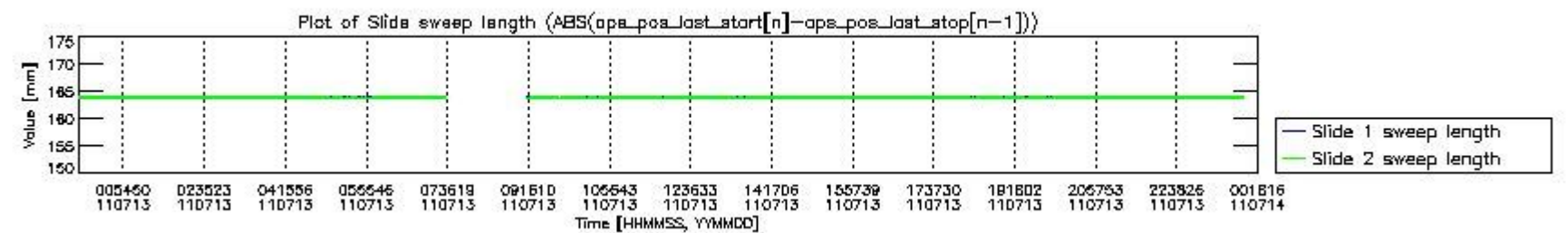
mipas_daily_report_level0_KSPT_L0_4504_N_20110713_4.PNG



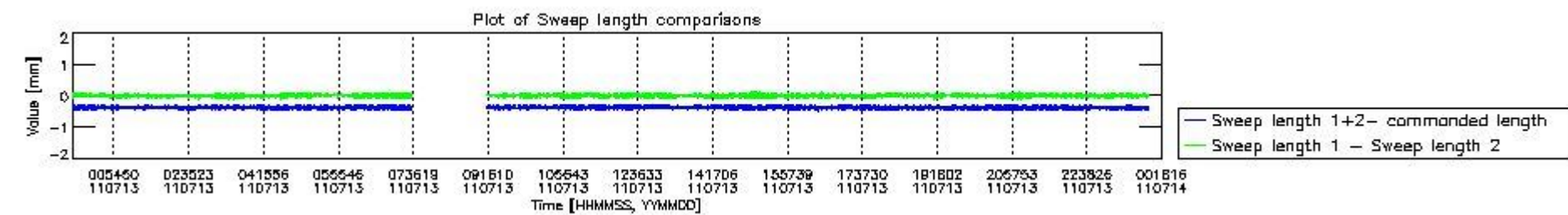
mipas_daily_report_level0_KSPT_L0_4504_N_20110713_5.PNG



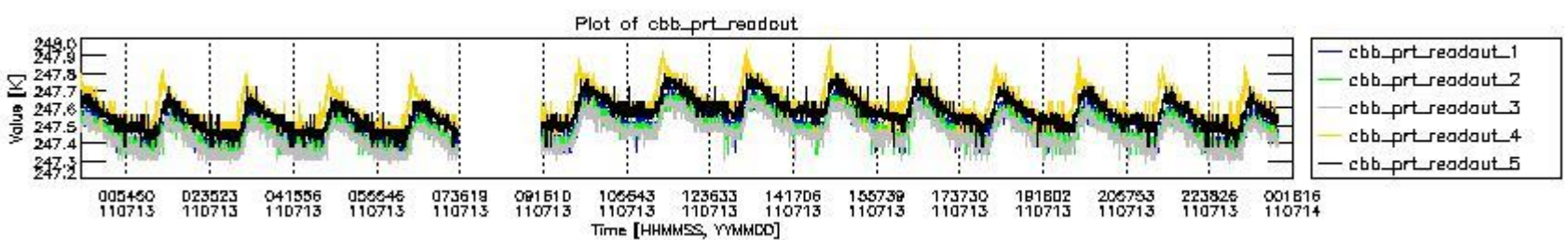
mipas_daily_report_level0_KSPT_L0_4504_N_20110713_6.PNG



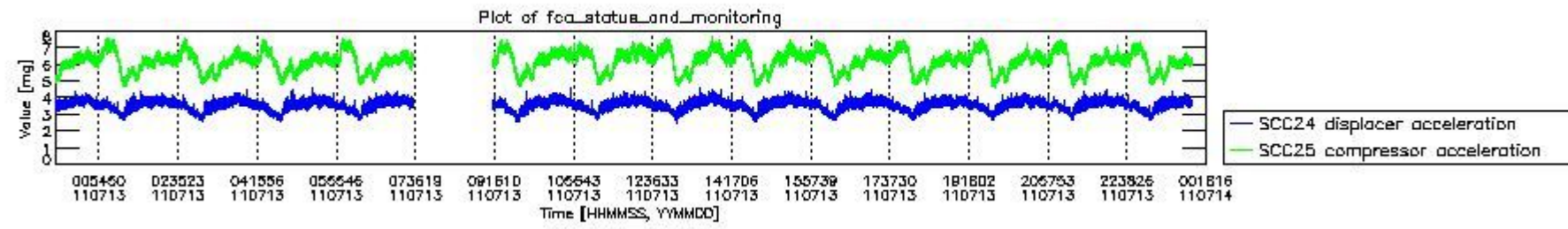
mipas_daily_report_level0_KSPT_L0_4504_N_20110713_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110713_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110713_9.PNG

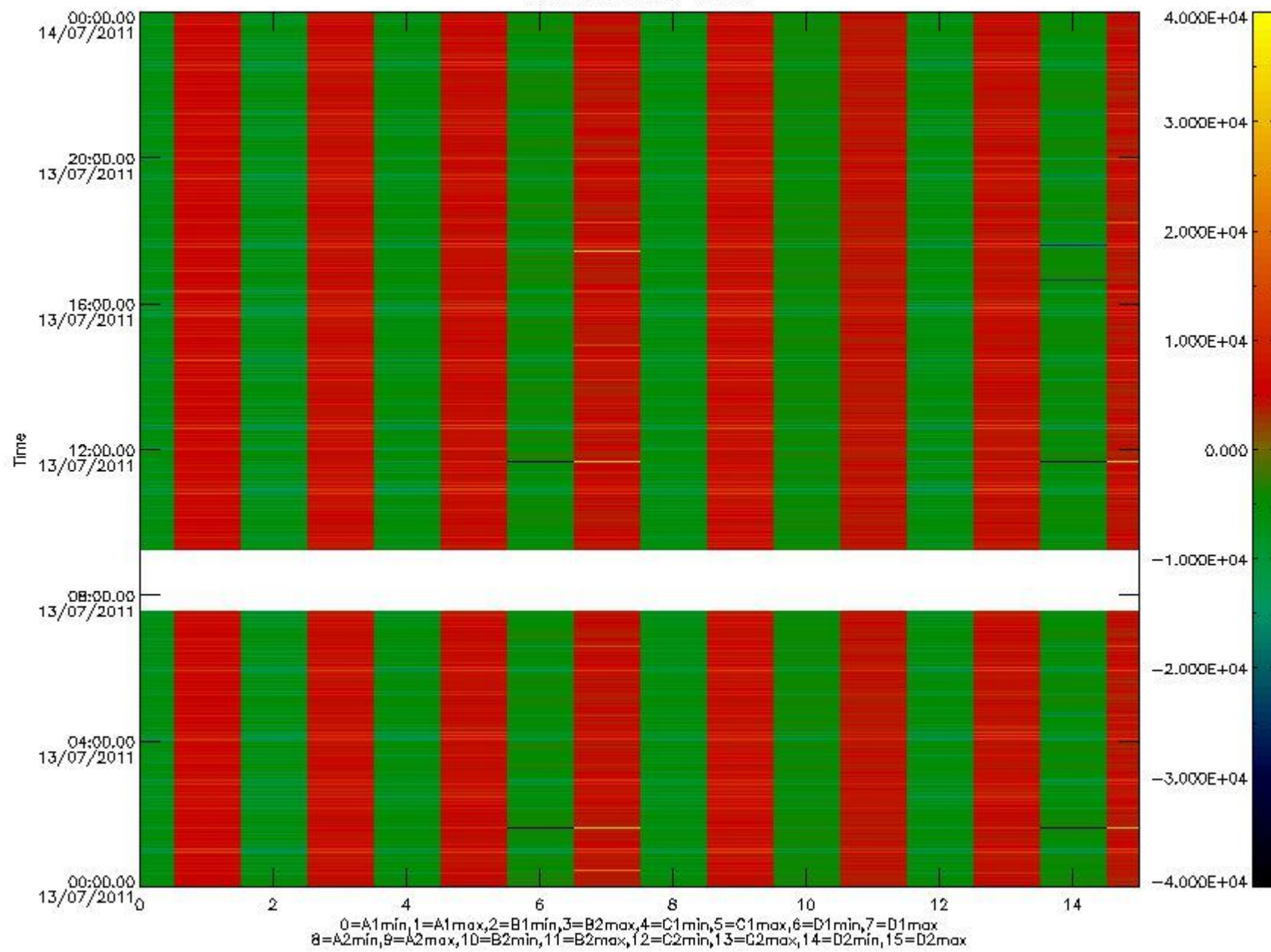


mipas_daily_report_level0_KSPT_L0_4504_N_20110713_10.PNG

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

Channel	Min	Max	ADC
A1	-18688	19838	16bit
B1	-18463	16308	16bit
C1	-24613	17885	16bit
D1	-32768	32767	16bit
A2	-15964	19619	16bit
B2	-14870	14644	16bit
C2	-18583	22137	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_20110713_11.PNG

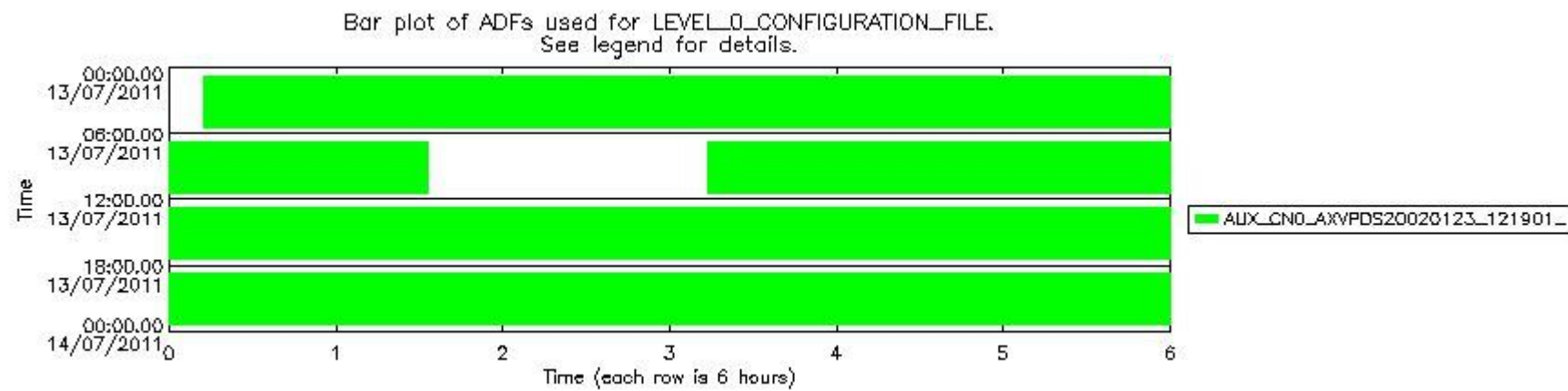
0.3 ADF monitoring

The use of ADFs is shown in two ways:

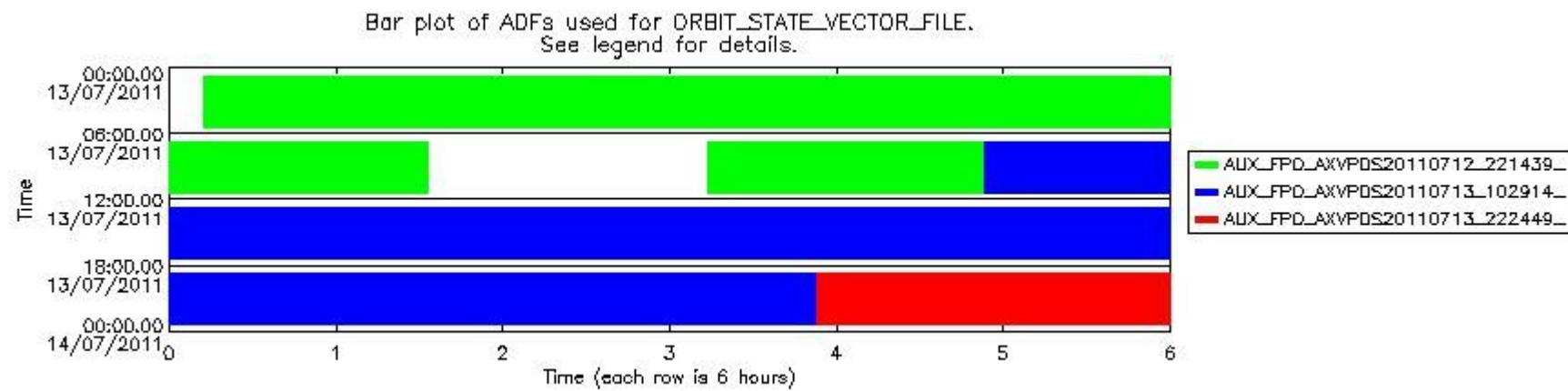
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110712_221439_20110712_110118_20110722_131506
2	AUX_FPO_AXVPDS20110713_102914_20110712_192228_20110722_213616
3	AUX_FPO_AXVPDS20110713_222449_20110713_134502_20110723_155850

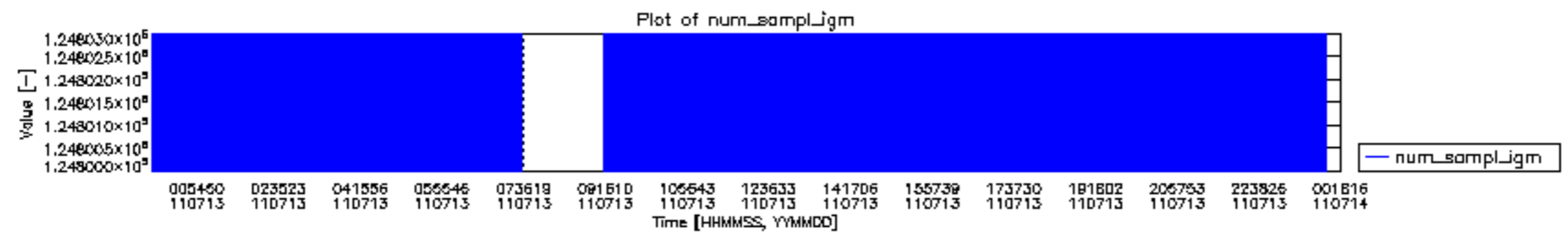
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110713_001223_000058663104_00260_48981_9222.N1	0	1
1	MIP_NL__0PNPDE20110713_014909_000044893104_00261_48982_9223.N1	0	1
2	MIP_NL__0PNPDE20110713_030320_000061173104_00262_48983_9224.N1	0	1
3	MIP_NL__0PNPDE20110713_044442_000060423104_00263_48984_9225.N1	0	1
4	MIP_NL__0PNPDK20110713_062446_000041033104_00264_48985_5757.N1	0	1
5	MIP_NL__0PNPDK20110713_091352_000060103104_00266_48987_5759.N1	0	1
6	MIP_NL__0PNPDK20110713_105329_000059143104_00267_48988_5760.N1	0	2
7	MIP_NL__0PNPDK20110713_123119_000059983104_00268_48989_5761.N1	0	2
8	MIP_NL__0PNPDK20110713_141044_000058643104_00269_48990_5762.N1	0	2
9	MIP_NL__0PNPDK20110713_154756_000058143104_00270_48991_5763.N1	0	2
10	MIP_NL__0PNPDK20110713_172356_000033913104_00271_48992_5764.N1	0	2
11	MIP_NL__0PNPDK20110713_182027_000026093104_00271_48992_5765.N1	0	2
12	MIP_NL__0PNPDK20110713_190257_000060583104_00272_48993_5766.N1	0	2
13	MIP_NL__0PNPDE20110713_204222_000042853104_00273_48994_9226.N1	0	2
14	MIP_NL__0PNPDE20110713_215250_000061543104_00273_48994_9227.N1	0	3
15	MIP_NL__0PNPDE20110713_233424_000060443104_00274_48995_9228.N1	0	3

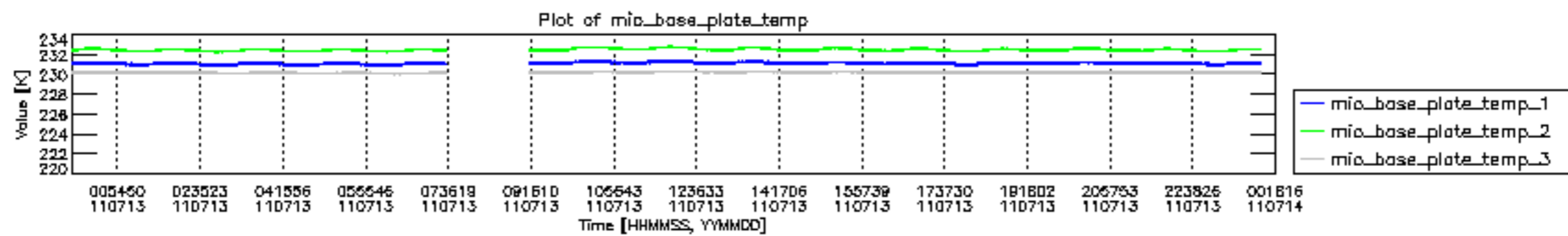


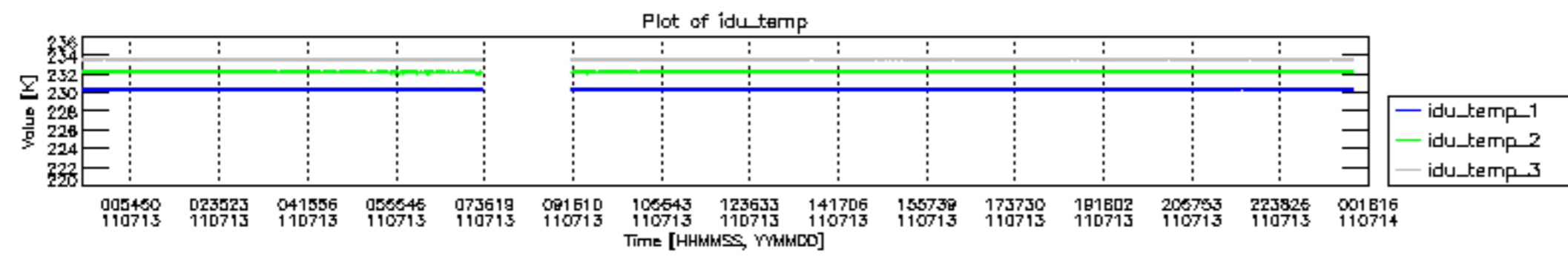
mipas_daily_report_level0_KSPT_L0_4504_N_20110713_12.PNG

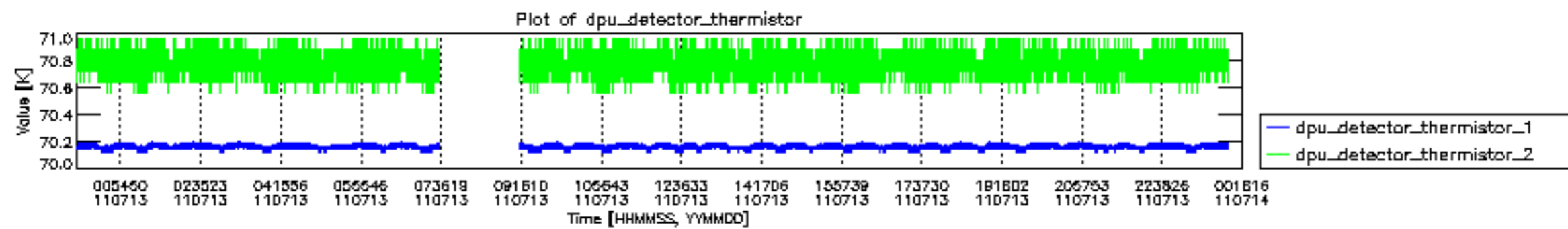


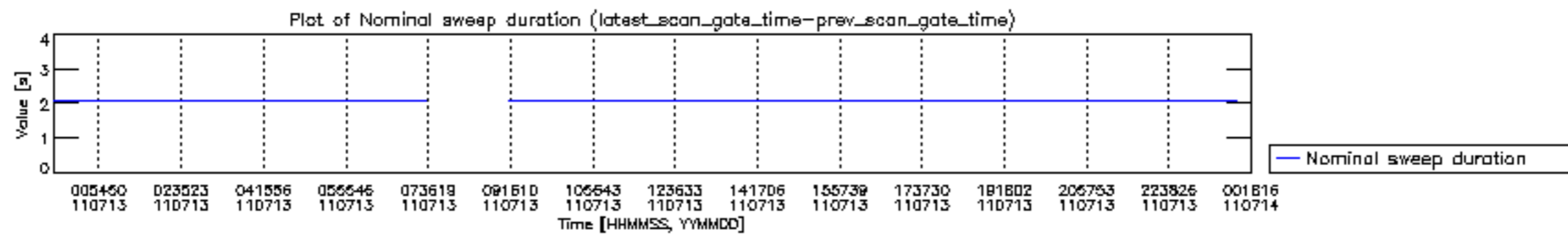
mipas_daily_report_level0_KSPT_L0_4504_N_20110713_13.PNG

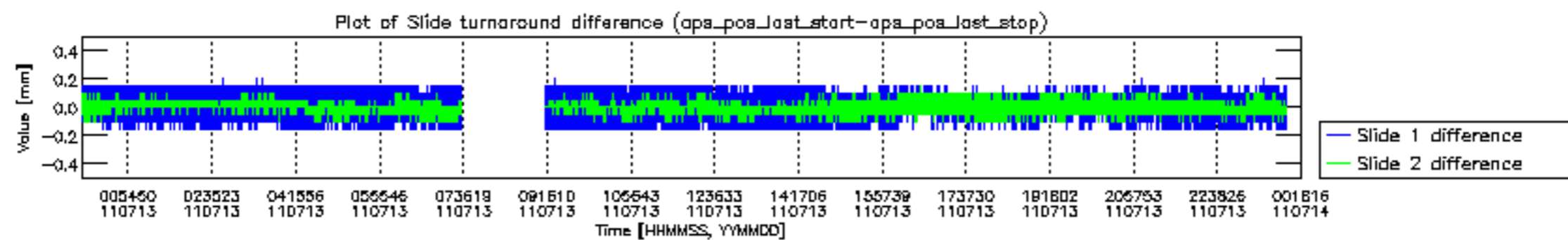


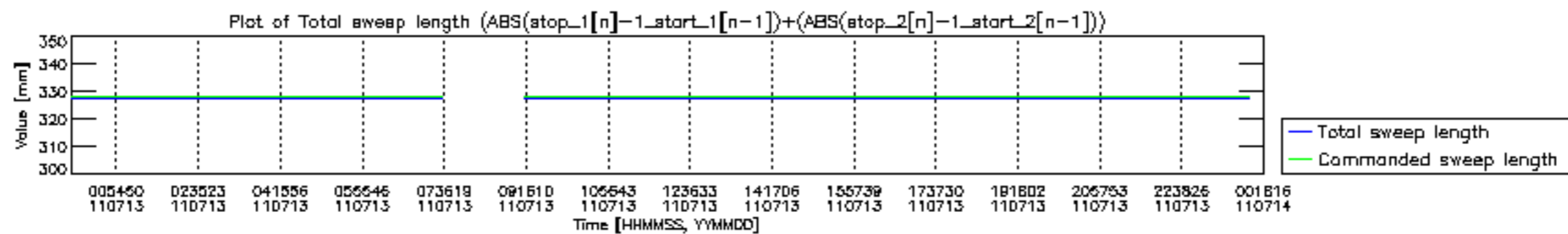


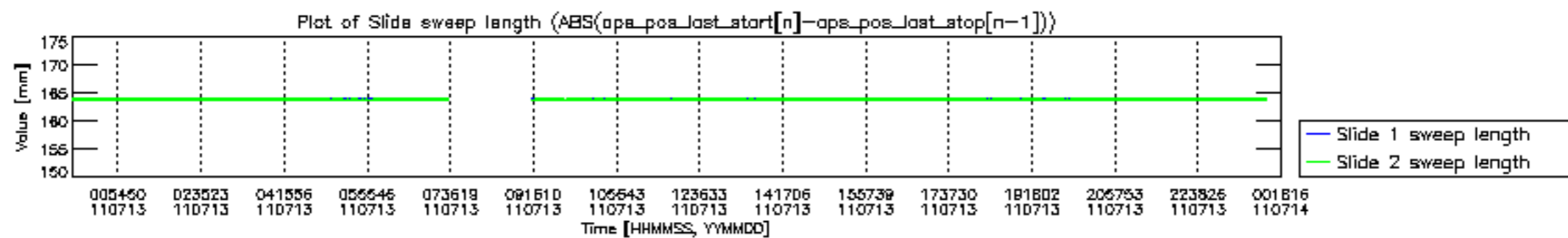


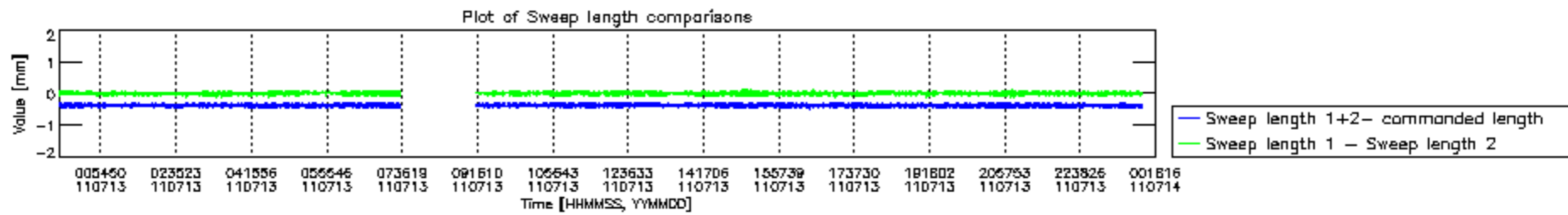


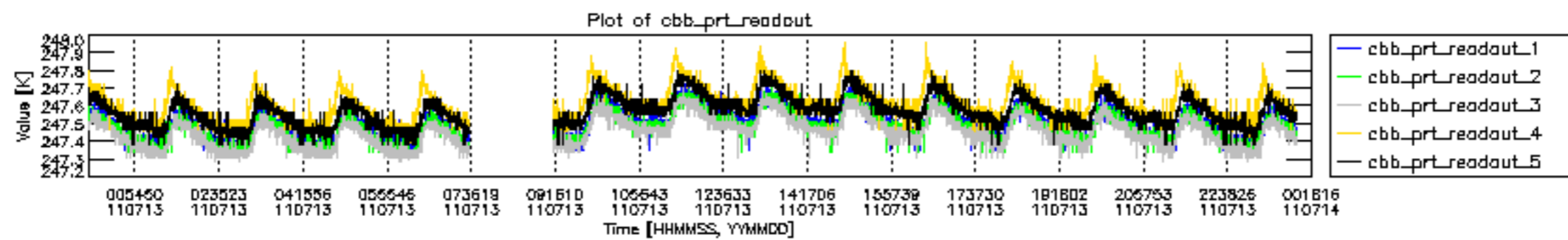


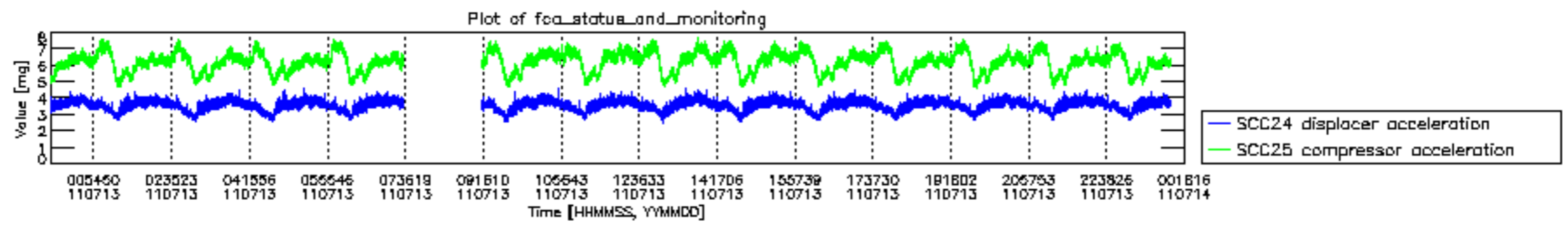












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

