

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	19AUG2011 05:24:46
Data source version	KSPT_L0/4504-N
Processing scope for products	14AUG2011 00:00:00 to 15AUG2011 00:00:00
Start time of first product within scope	14AUG2011 00:38:50
Stop time of last product within scope	15AUG2011 00:02:58
Total number of level 0 products	13
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__0PNPDE20110814_003850_000058393105_00289_49441_9436.N1	14AUG2011 00:38:50	14AUG2011 02:16:09	0	0	0	0	0
1	MIP_NL__0PNPDE20110814_021510_000045253105_00290_49442_9437.N1	14AUG2011 02:15:10	14AUG2011 03:30:35	0	0	0	0	0
2	MIP_NL__0PNPDE20110814_033002_000061383105_00291_49443_9438.N1	14AUG2011 03:30:02	14AUG2011 05:12:19	0	0	0	0	0
3	MIP_NL__0PNPDE20110814_051146_000023323105_00292_49444_9439.N1	14AUG2011 05:11:46	14AUG2011 05:50:38	0	0	0	0	0
4	MIP_NL__0PNPDK20110814_090921_000018863105_00294_49446_6046.N1	14AUG2011 09:09:21	14AUG2011 09:40:47	0	0	0	0	0
5	MIP_NL__0PNPDK20110814_094003_000059873105_00295_49447_6047.N1	14AUG2011 09:40:03	14AUG2011 11:19:50	0	0	0	0	0
6	MIP_NL__0PNPDK20110814_111906_000060273105_00296_49448_6048.N1	14AUG2011 11:19:06	14AUG2011 12:59:33	0	0	0	0	0
7	MIP_NL__0PNPDK20110814_125900_000058913105_00297_49449_6049.N1	14AUG2011 12:59:00	14AUG2011 14:37:11	0	0	0	0	0
8	MIP_NL__0PNPDK20110814_143627_000059313105_00298_49450_6050.N1	14AUG2011 14:36:27	14AUG2011 16:15:18	0	0	0	0	0
9	MIP_NL__0PNPDK20110814_161427_000058123105_00299_49451_6051.N1	14AUG2011 16:14:27	14AUG2011 17:51:19	0	0	0	0	0
10	MIP_NL__0PNPDK20110814_192936_000060523105_00301_49453_6053.N1	14AUG2011 19:29:36	14AUG2011 21:10:28	0	0	0	0	0
11	MIP_NL__0PNPDE20110814_210854_000043643105_00302_49454_9440.N1	14AUG2011 21:08:54	14AUG2011 22:21:38	0	0	0	0	0
12	MIP_NL__0PNPDE20110814_222038_000061403105_00302_49454_9441.N1	14AUG2011 22:20:38	15AUG2011 00:02:58	0	0	0	0	0

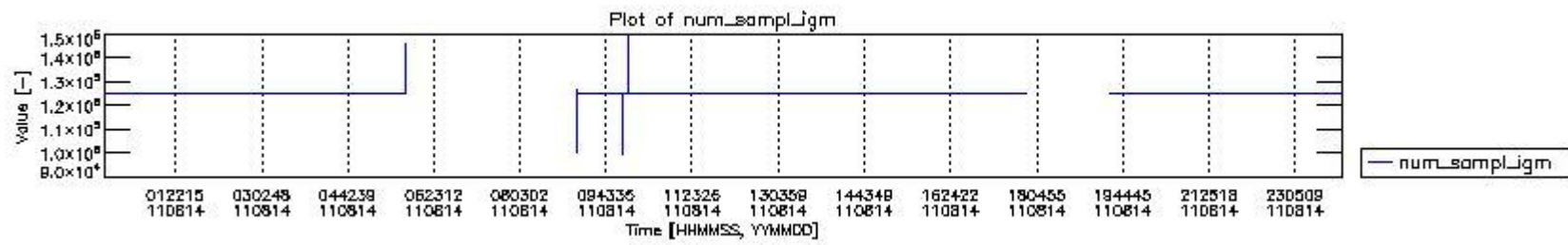
0.2 Instrument Operational Performance Parameters

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.

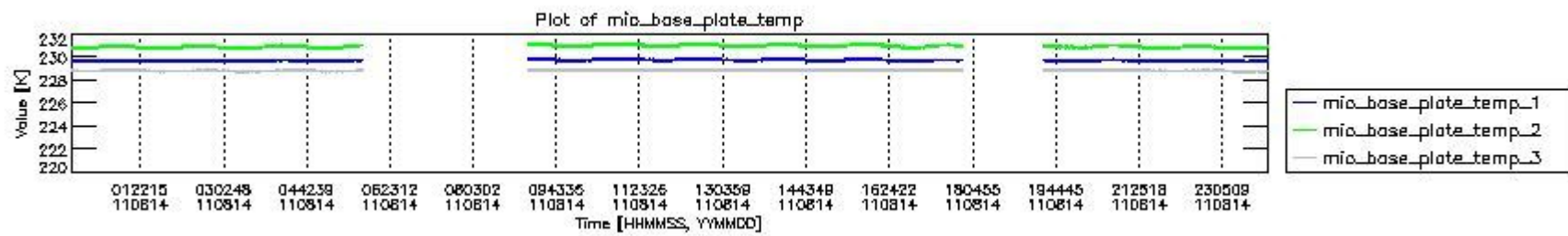
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99246	1	0.0030303030
100557	1	0.0030303030
101957	1	0.0030303030
122089	1	0.0030303030
124800	30653	92.887879

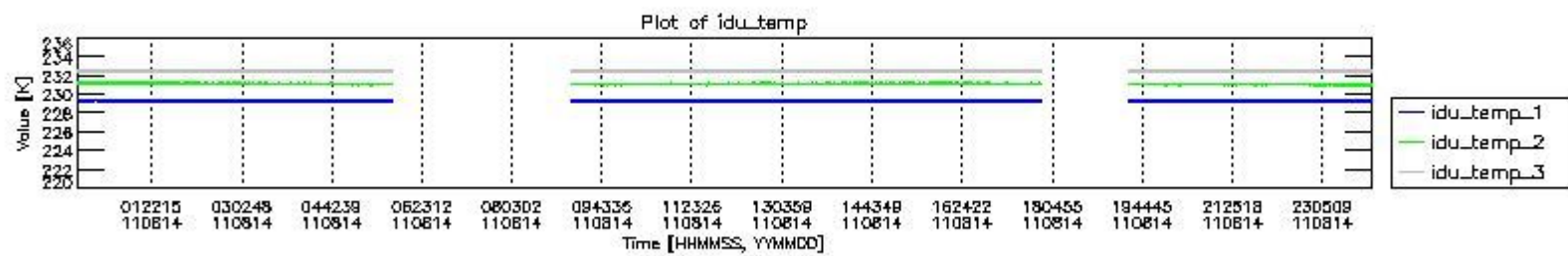
124803	2335	7.0757576
125226	1	0.0030303030
125809	1	0.0030303030
126818	1	0.0030303030
127233	1	0.0030303030
145358	1	0.0030303030
145784	1	0.0030303030
147365	1	0.0030303030
149798	1	0.0030303030



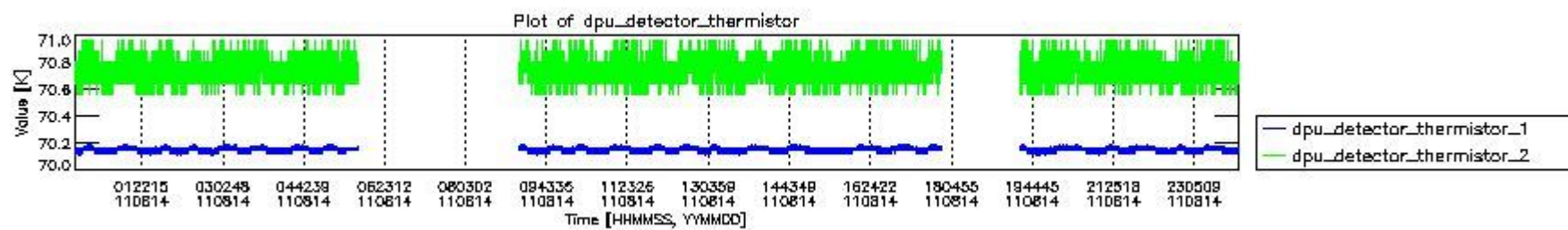
mipas_daily_report_level0_KSPT_L0_4504_N_20110814_0.PNG



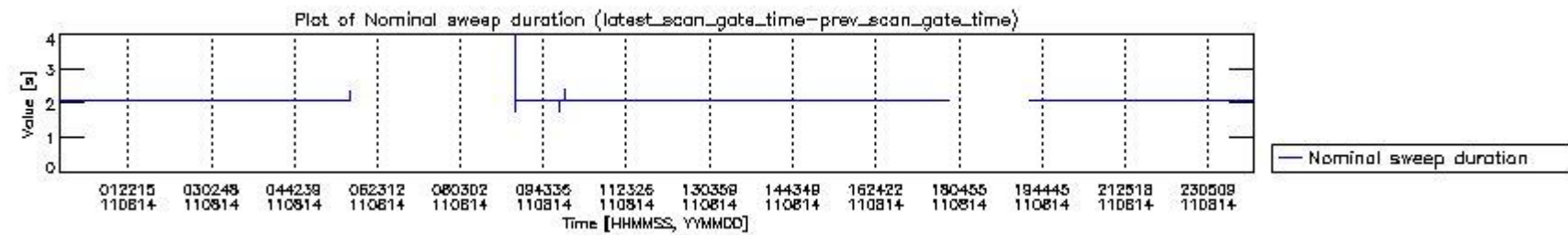
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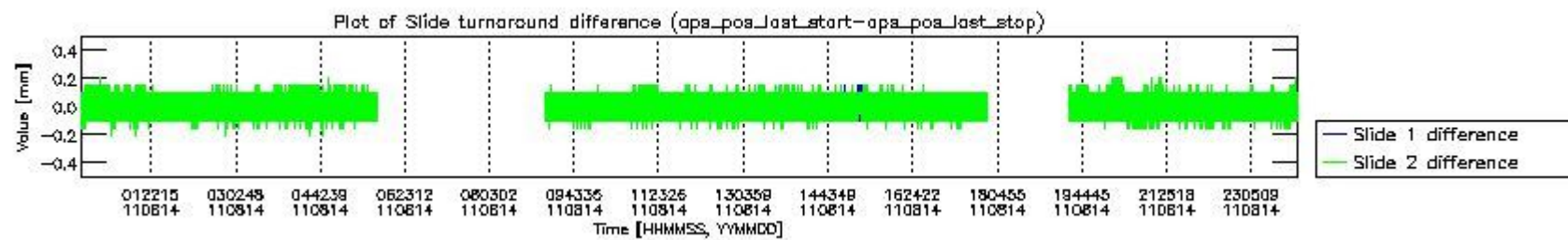
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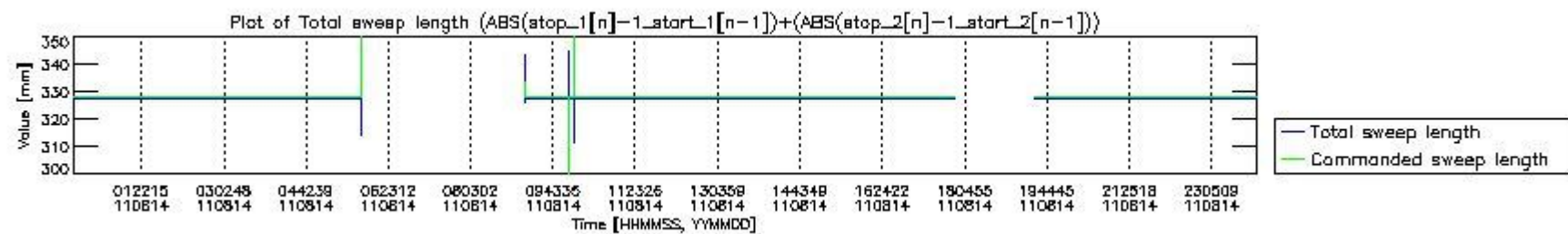
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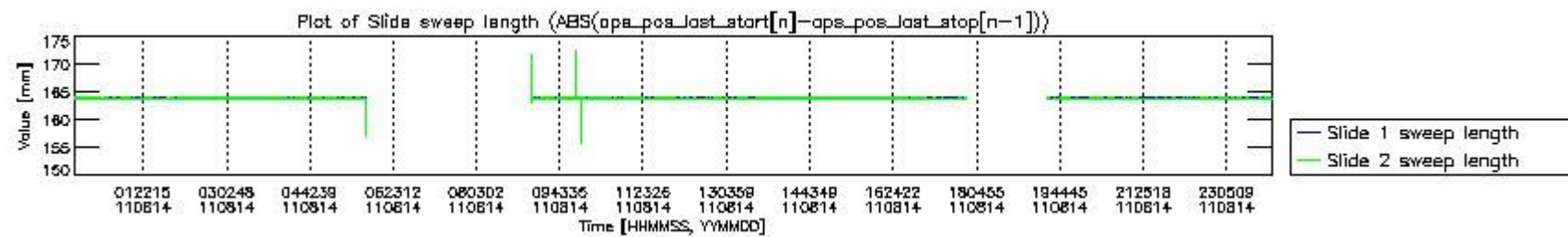
mipas_daily_report_level0_KSPT_L0_4504_N_20110814_4.PNG



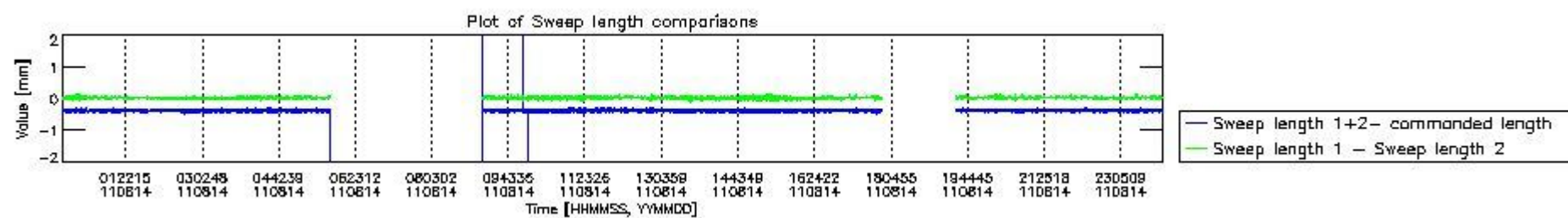
mipas_daily_report_level0_KSPT_L0_4504_N_20110814_5.PNG



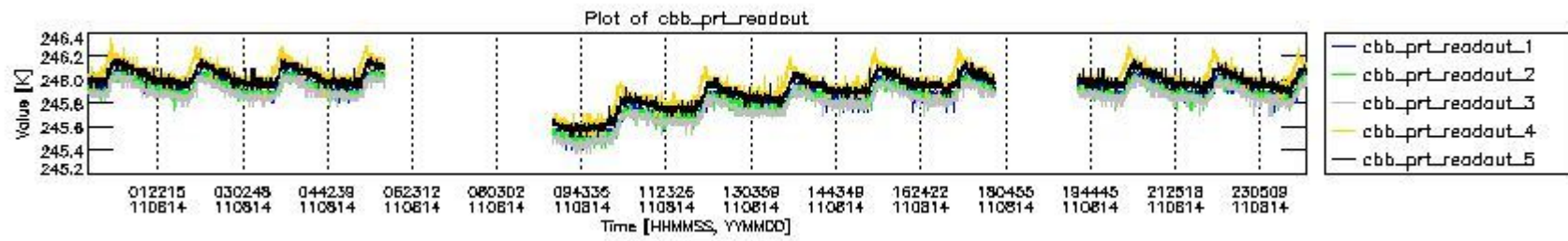
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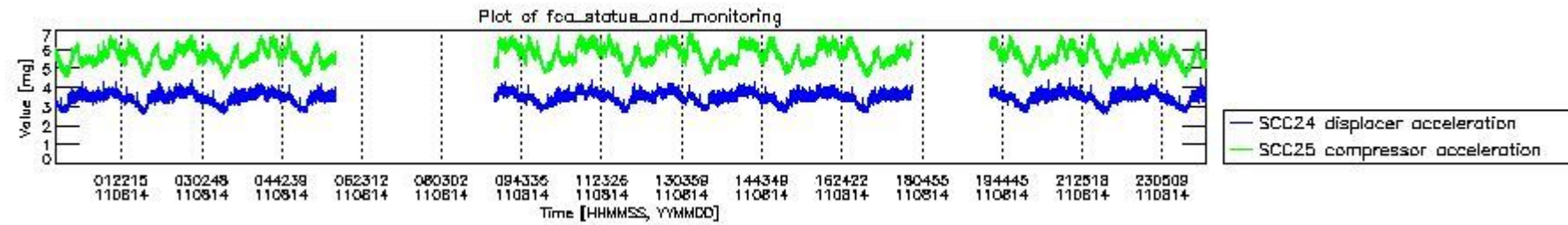
mipas_daily_report_level0_KSPT_L0_4504_N_20110814_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110814_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110814_9.PNG

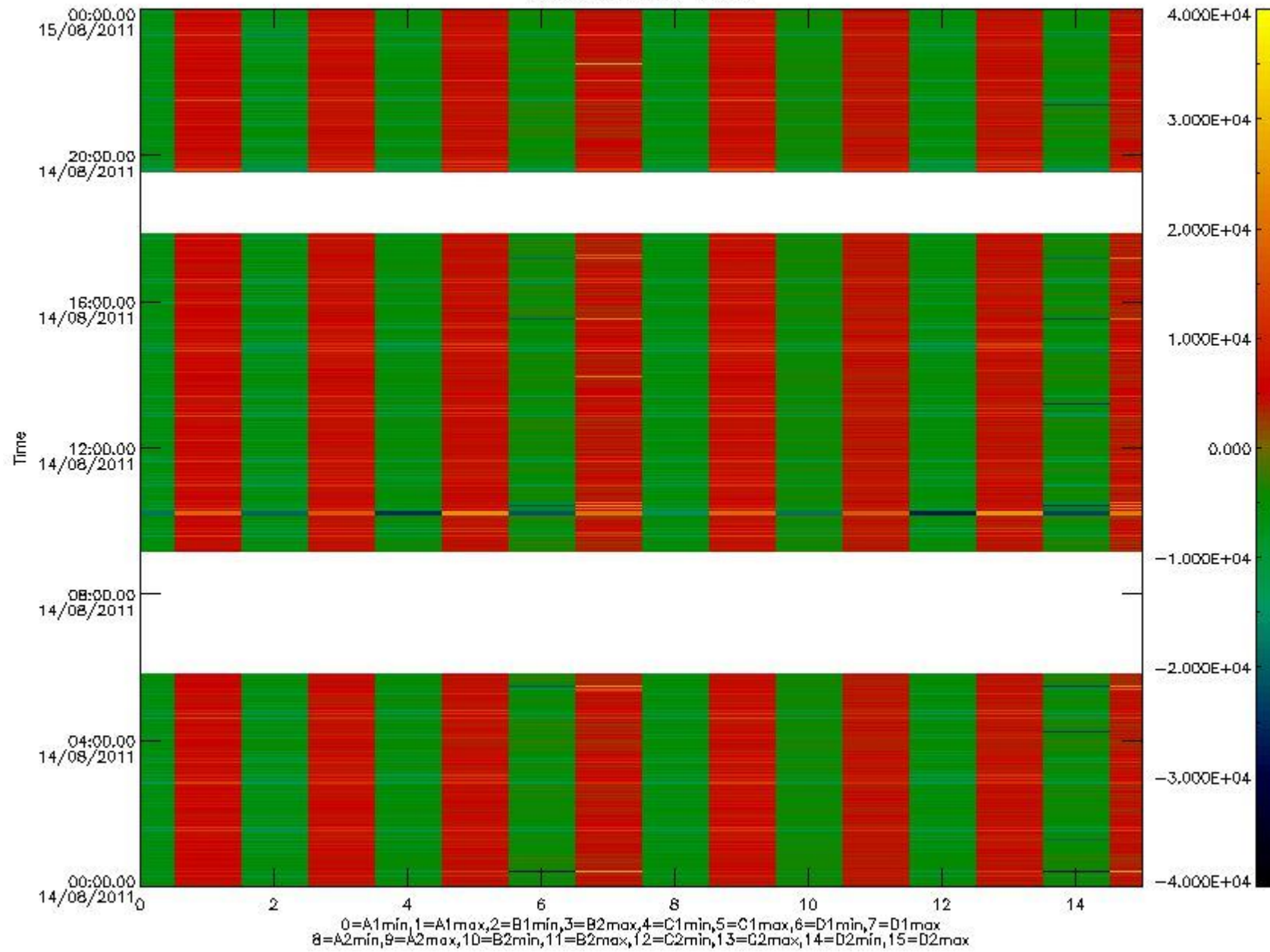


mipas_daily_report_level0_KSPT_L0_4504_N_20110814_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-25779	25728	16bit
D1	-32768	32767	16bit
A2	-32768	28267	16bit
B2	-32768	32767	16bit
C2	-26857	26503	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110814_11.PNG

0.3 ADF monitoring

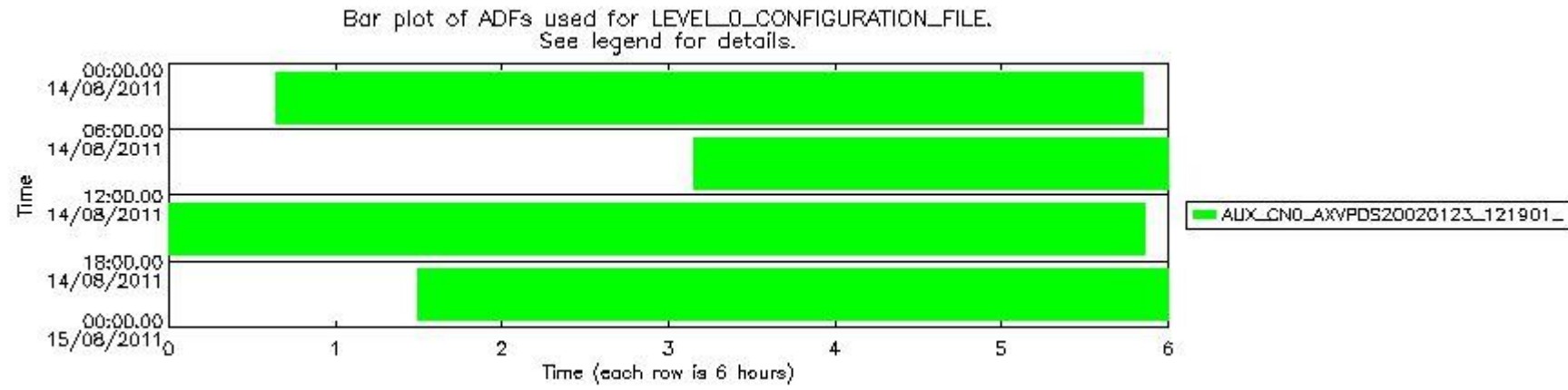
The use of ADFs is shown in two ways:

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.

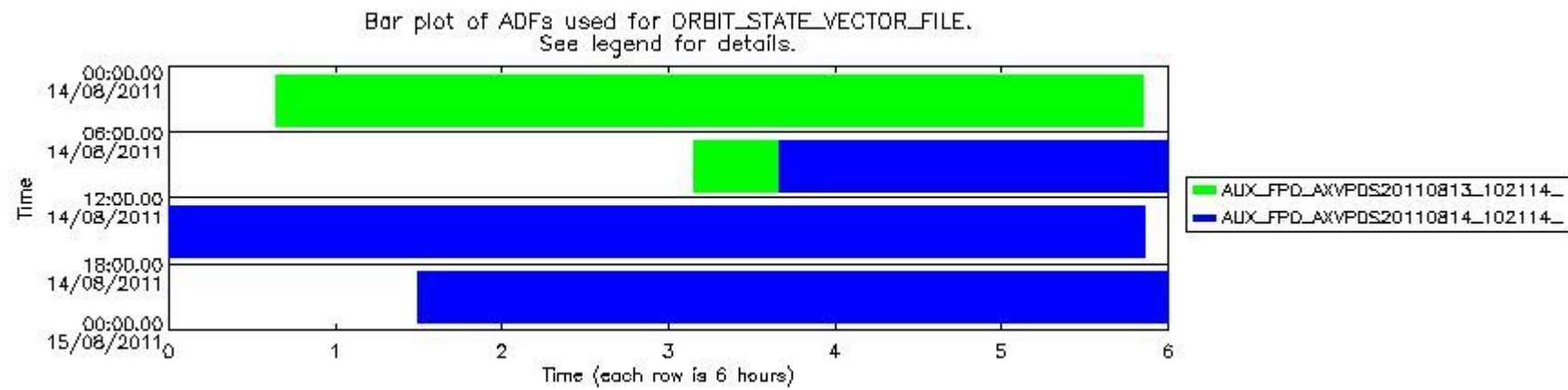
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110813_102114_20110812_184609_20110822_205956
2	AUX_FPO_AXVPDS20110814_102114_20110813_194939_20110823_202311

Number	Product name	#CN0	#FPO
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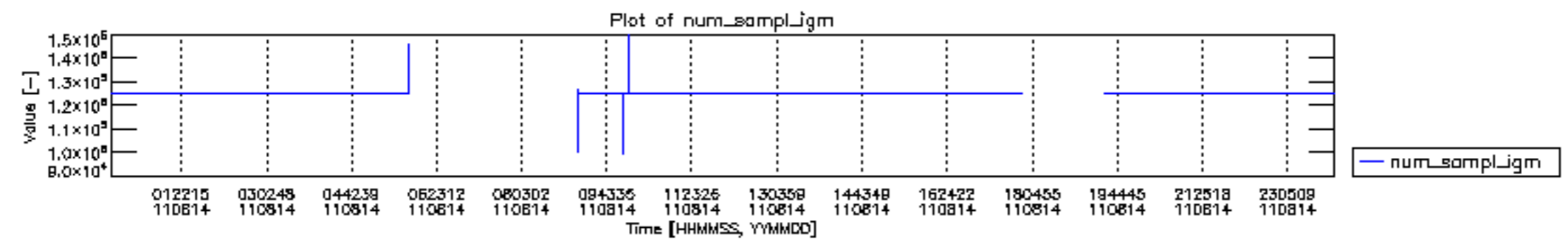
0	MIP_NL__0PNPDE20110814_003850_000058393105_00289_49441_9436.N1	0	1
1	MIP_NL__0PNPDE20110814_021510_000045253105_00290_49442_9437.N1	0	1
2	MIP_NL__0PNPDE20110814_033002_000061383105_00291_49443_9438.N1	0	1
3	MIP_NL__0PNPDE20110814_051146_000023323105_00292_49444_9439.N1	0	1
4	MIP_NL__0PNPDK20110814_090921_000018863105_00294_49446_6046.N1	0	1
5	MIP_NL__0PNPDK20110814_094003_000059873105_00295_49447_6047.N1	0	2
6	MIP_NL__0PNPDK20110814_111906_000060273105_00296_49448_6048.N1	0	2
7	MIP_NL__0PNPDK20110814_125900_000058913105_00297_49449_6049.N1	0	2
8	MIP_NL__0PNPDK20110814_143627_000059313105_00298_49450_6050.N1	0	2
9	MIP_NL__0PNPDK20110814_161427_000058123105_00299_49451_6051.N1	0	2
10	MIP_NL__0PNPDK20110814_192936_000060523105_00301_49453_6053.N1	0	2
11	MIP_NL__0PNPDE20110814_210854_000043643105_00302_49454_9440.N1	0	2
12	MIP_NL__0PNPDE20110814_222038_000061403105_00302_49454_9441.N1	0	2

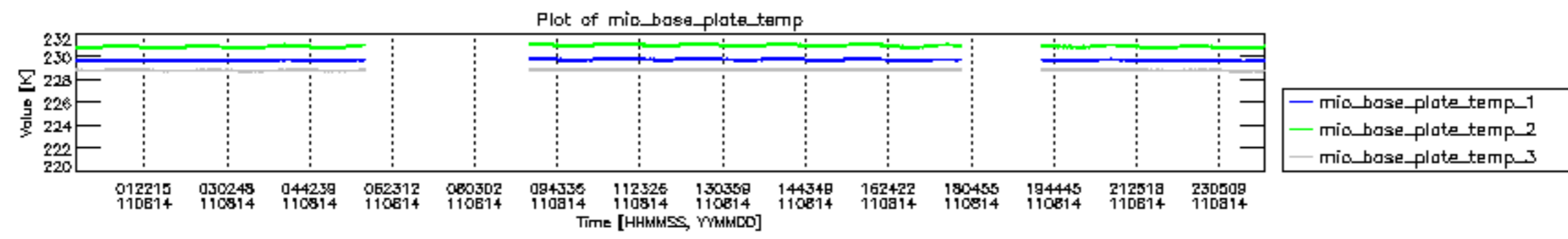


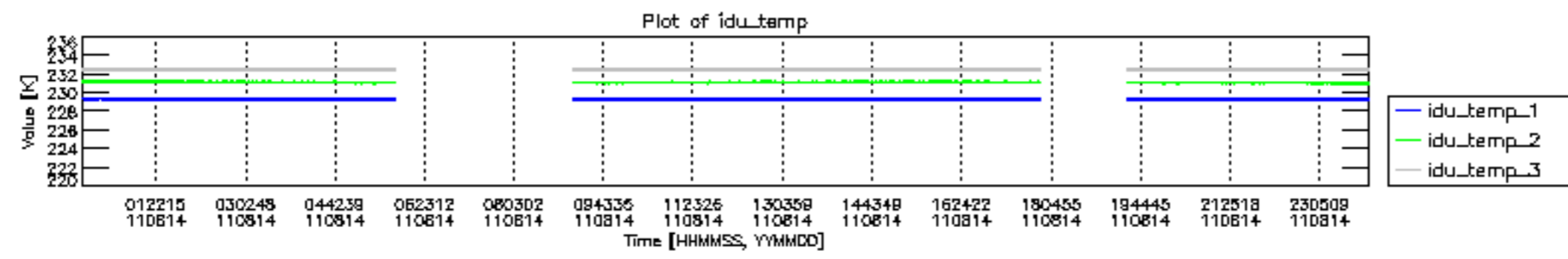
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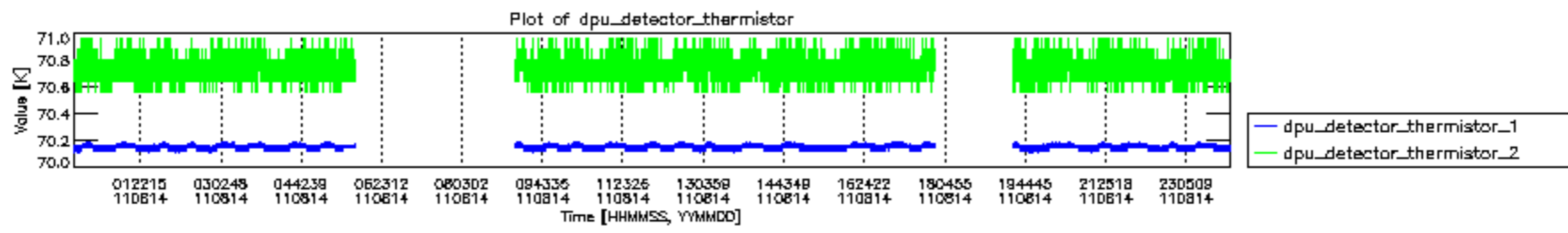


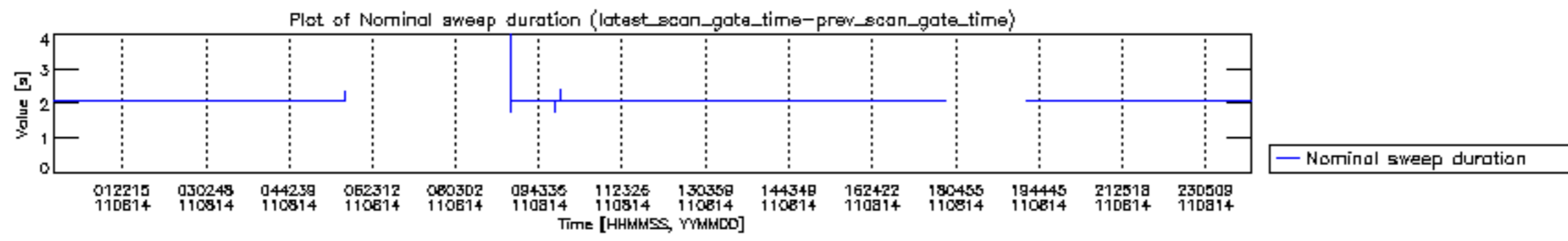
mipas_daily_report_level0_KSPT_L0_4504_N_20110814_13.PNG

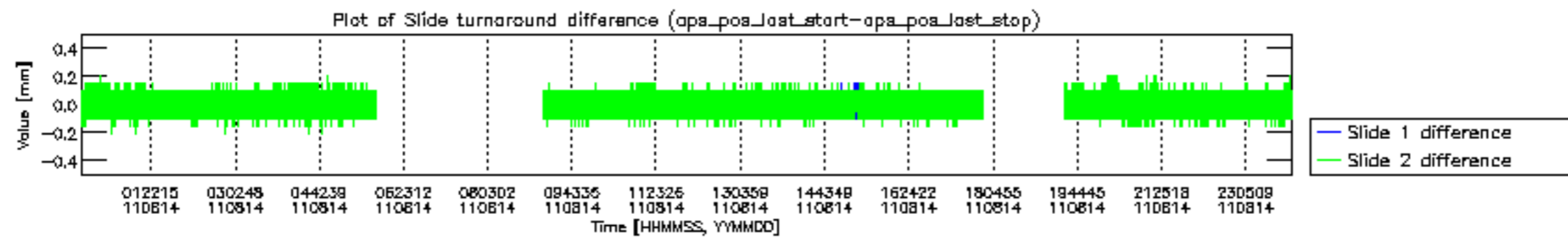


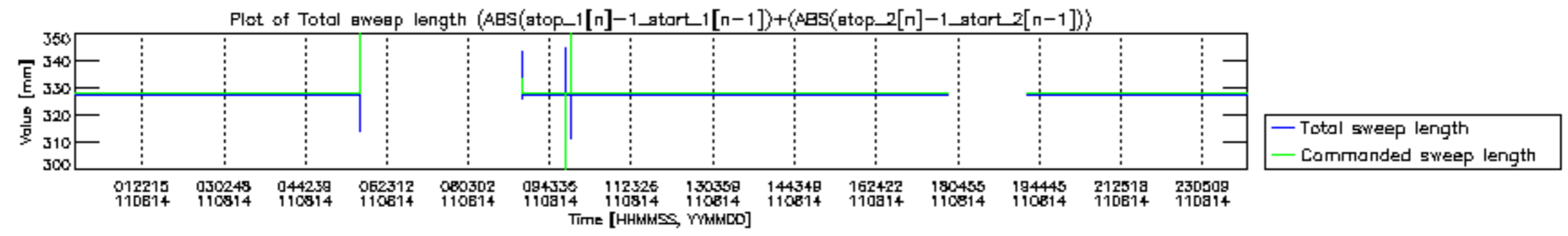


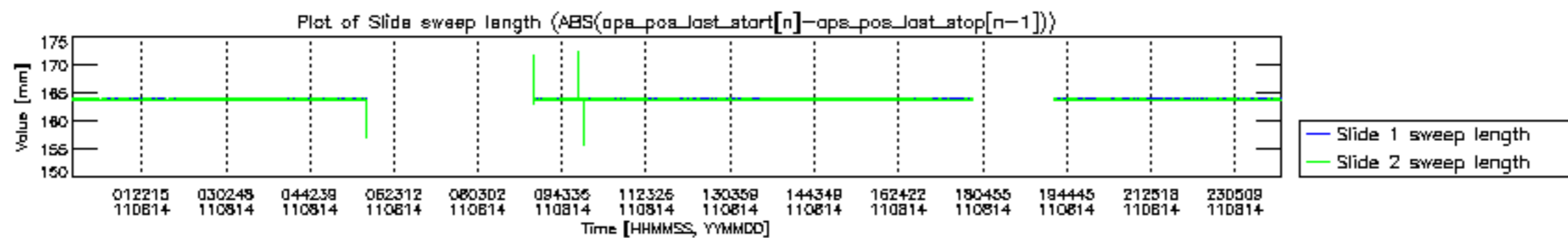


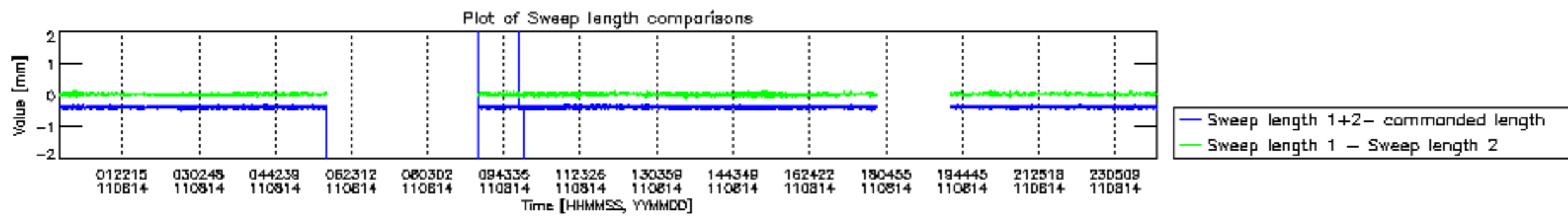


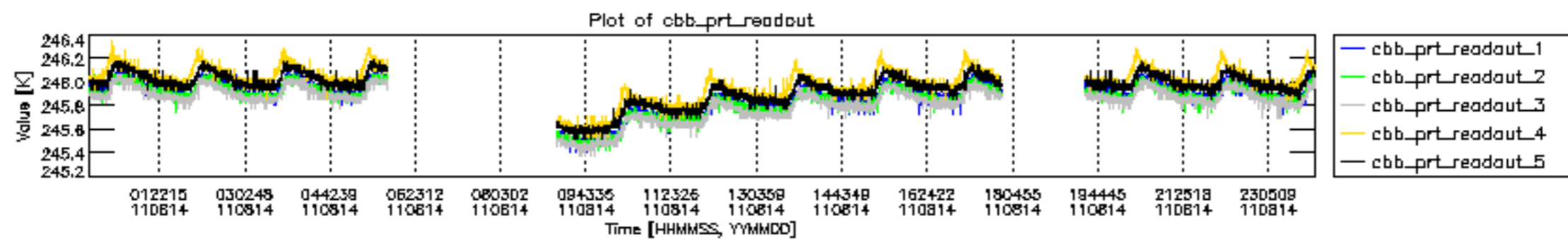


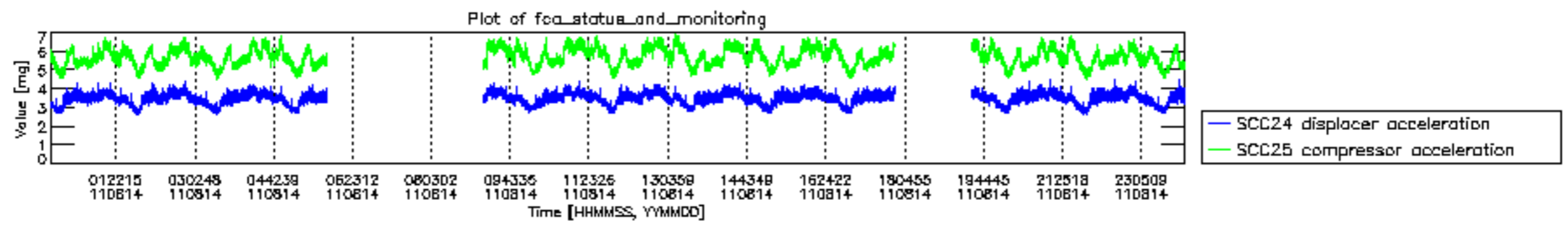












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

