

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	19JUN2011 05:24:24
Data source version	KSPT_L0/4504-N
Processing scope for products	14JUN2011 00:00:00 to 15JUN2011 00:00:00
Start time of first product within scope	14JUN2011 01:14:49
Stop time of last product within scope	15JUN2011 00:40:00
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__0PNPDE20110614_011449_000009013103_00275_48565_9034.N1	14JUN2011 01:14:49	14JUN2011 01:29:49	0	0	0	0	0
1	MIP_NL__0PNPDE20110614_013401_000014003103_00276_48566_9036.N1	14JUN2011 01:34:01	14JUN2011 01:57:20	0	0	0	0	0
2	MIP_NL__0PNPDE20110614_015722_000076653103_00276_48566_9037.N1	14JUN2011 01:57:22	14JUN2011 04:05:07	0	0	0	0	0
3	MIP_NL__0PNPDE20110614_040434_000062133103_00277_48567_9031.N1	14JUN2011 04:04:34	14JUN2011 05:48:07	0	0	0	0	0
4	MIP_NL__0PNPDE20110614_054729_000061523103_00278_48568_9032.N1	14JUN2011 05:47:29	14JUN2011 07:30:01	0	0	0	0	0
5	MIP_NL__0PNPDK20110614_072925_000039783103_00279_48569_5486.N1	14JUN2011 07:29:25	14JUN2011 08:35:43	0	0	0	0	0
6	MIP_NL__0PNPDK20110614_083509_000061383103_00280_48570_5487.N1	14JUN2011 08:35:09	14JUN2011 10:17:27	0	0	0	0	0
7	MIP_NL__0PNPDK20110614_101647_000059333103_00281_48571_5488.N1	14JUN2011 10:16:47	14JUN2011 11:55:41	0	0	0	0	0
8	MIP_NL__0PNPDK20110614_115507_000059603103_00282_48572_5489.N1	14JUN2011 11:55:07	14JUN2011 13:34:27	0	0	0	0	0
9	MIP_NL__0PNPDK20110614_133354_000058603103_00283_48573_5490.N1	14JUN2011 13:33:54	14JUN2011 15:11:34	0	0	0	0	0
10	MIP_NL__0PNPDK20110614_151050_000059643103_00284_48574_5491.N1	14JUN2011 15:10:50	14JUN2011 16:50:14	0	0	0	0	0
11	MIP_NL__0PNPDK20110614_164932_000058123103_00285_48575_5492.N1	14JUN2011 16:49:32	14JUN2011 18:26:24	0	0	0	0	0
12	MIP_NL__0PNPDK20110614_182528_000060523103_00286_48576_5493.N1	14JUN2011 18:25:28	14JUN2011 20:06:20	0	0	0	0	0
13	MIP_NL__0PNPDE20110614_200452_000040763103_00287_48577_9038.N1	14JUN2011 20:04:52	14JUN2011 21:12:48	0	0	0	0	0
14	MIP_NL__0PNPDE20110614_211130_000063883103_00287_48577_9039.N1	14JUN2011 21:11:30	14JUN2011 22:57:59	0	0	0	0	0
15	MIP_NL__0PNPDE20110614_225654_000061863103_00288_48578_9040.N1	14JUN2011 22:56:54	15JUN2011 00:40:00	0	0	0	0	0

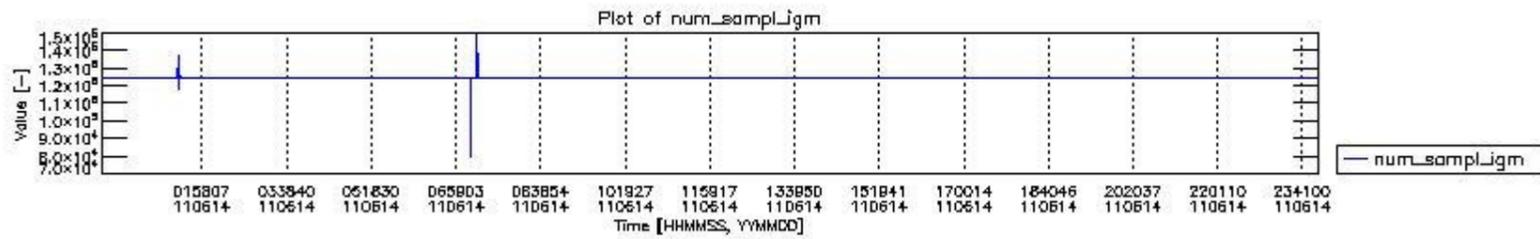
0.2 Instrument Operational Performance Parameters

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.

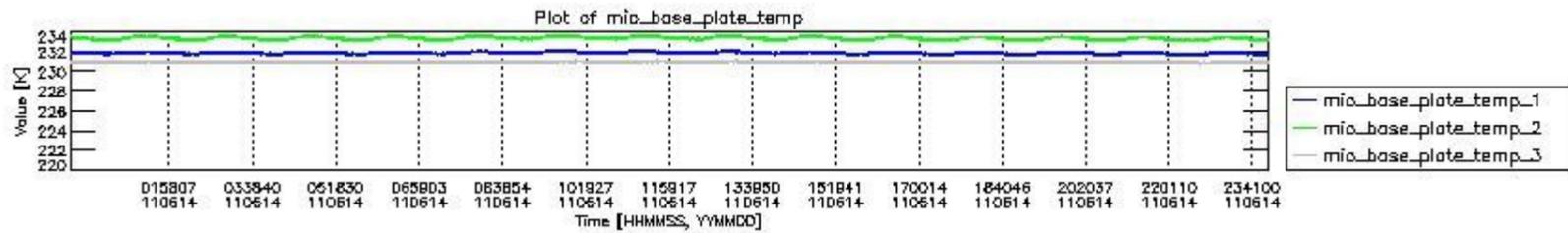
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
79770	1	0.0024120215
92219	1	0.0024120215

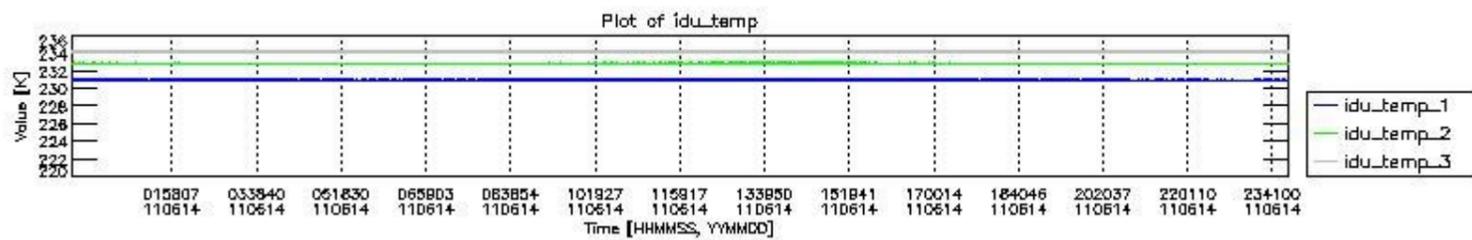
112351	1	0.0024120215
117569	1	0.0024120215
124800	38537	92.952073
124803	2912	7.0238067
125958	1	0.0024120215
127308	1	0.0024120215
130470	1	0.0024120215
137701	1	0.0024120215
147440	1	0.0024120215
149948	1	0.0024120215



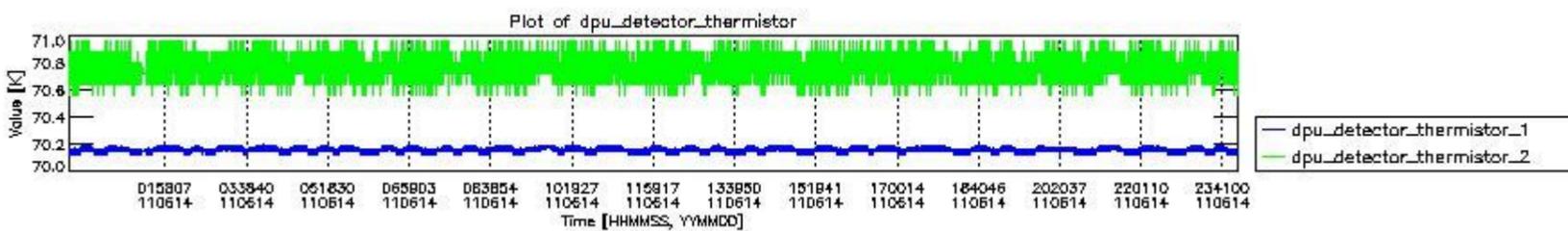
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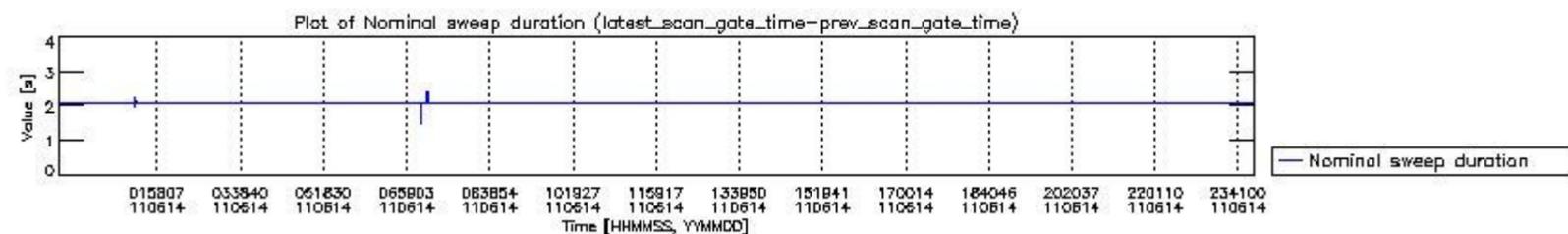
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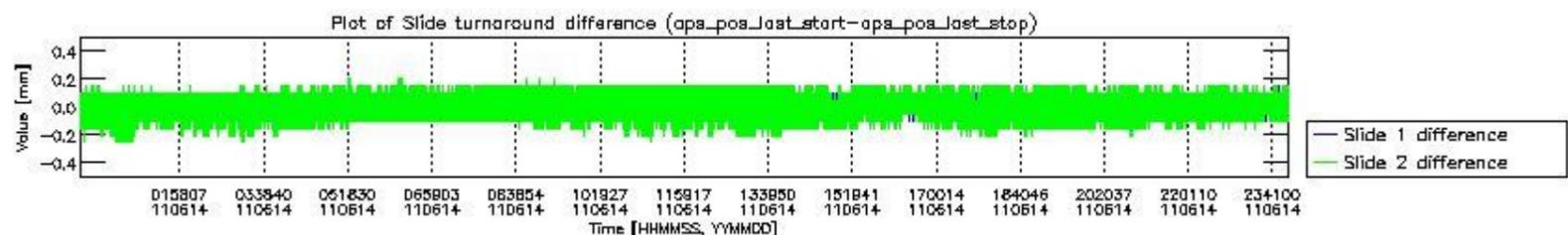
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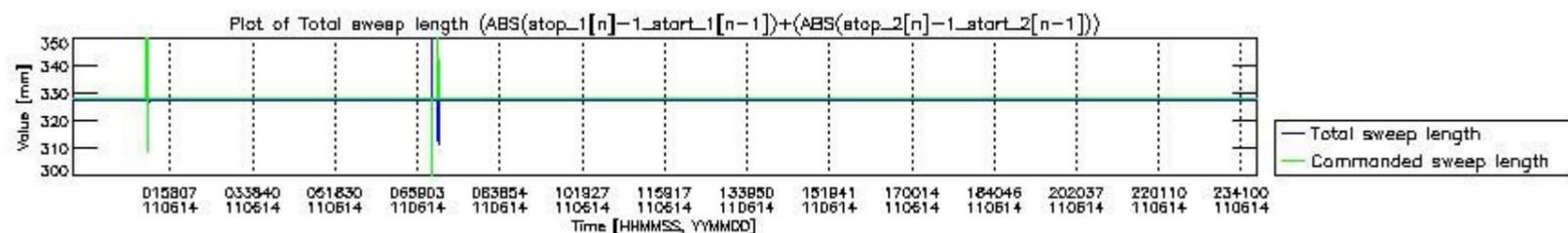
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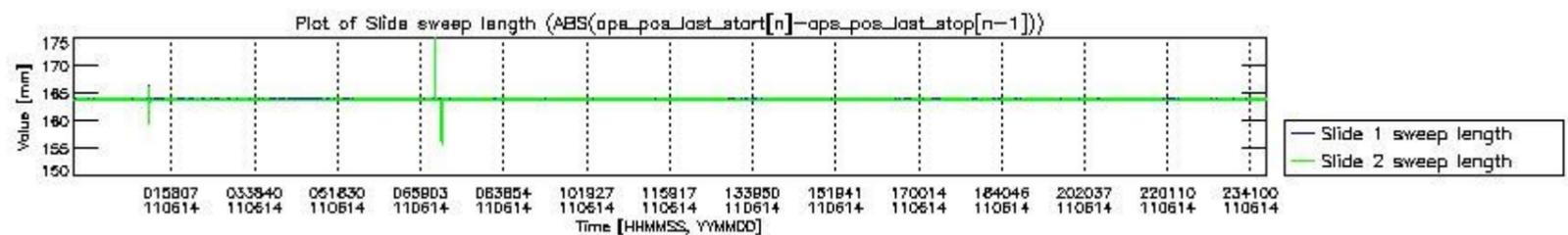
mipas_daily_report_level0_KSPT_L0_4504_N_20110614_4.PNG



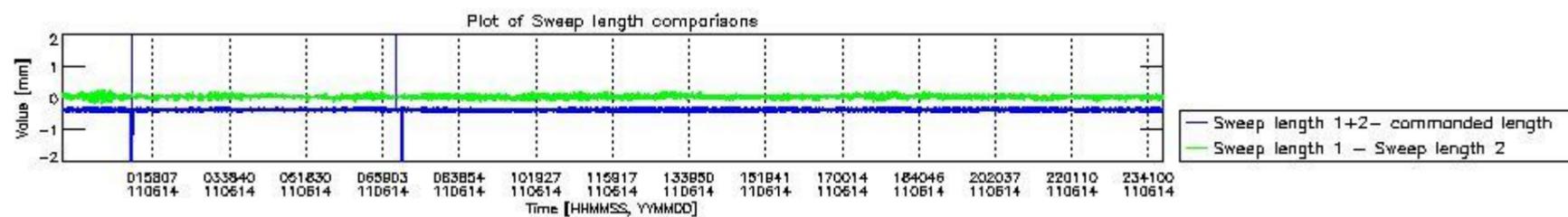
mipas_daily_report_level0_KSPT_L0_4504_N_20110614_5.PNG



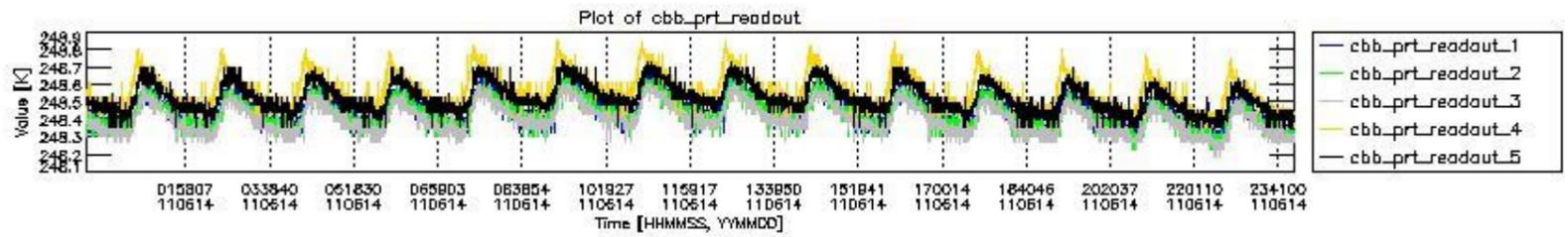
mipas_daily_report_level0_KSPT_L0_4504_N_20110614_6.PNG



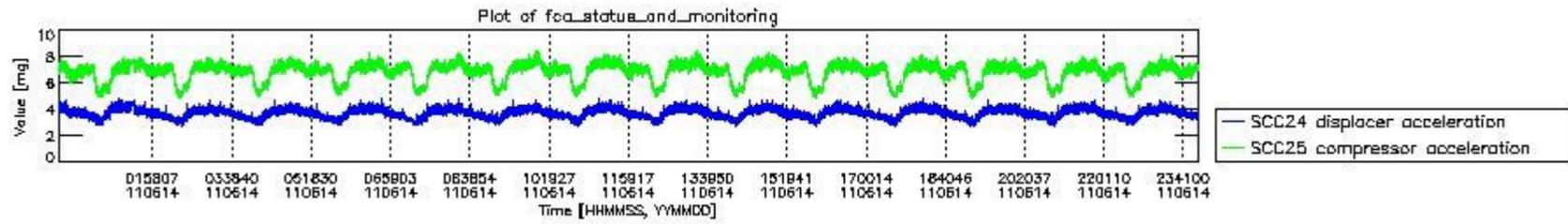
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mipas_daily_report_level0_KSPT_L0_4504_N_20110614_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110614_9.PNG

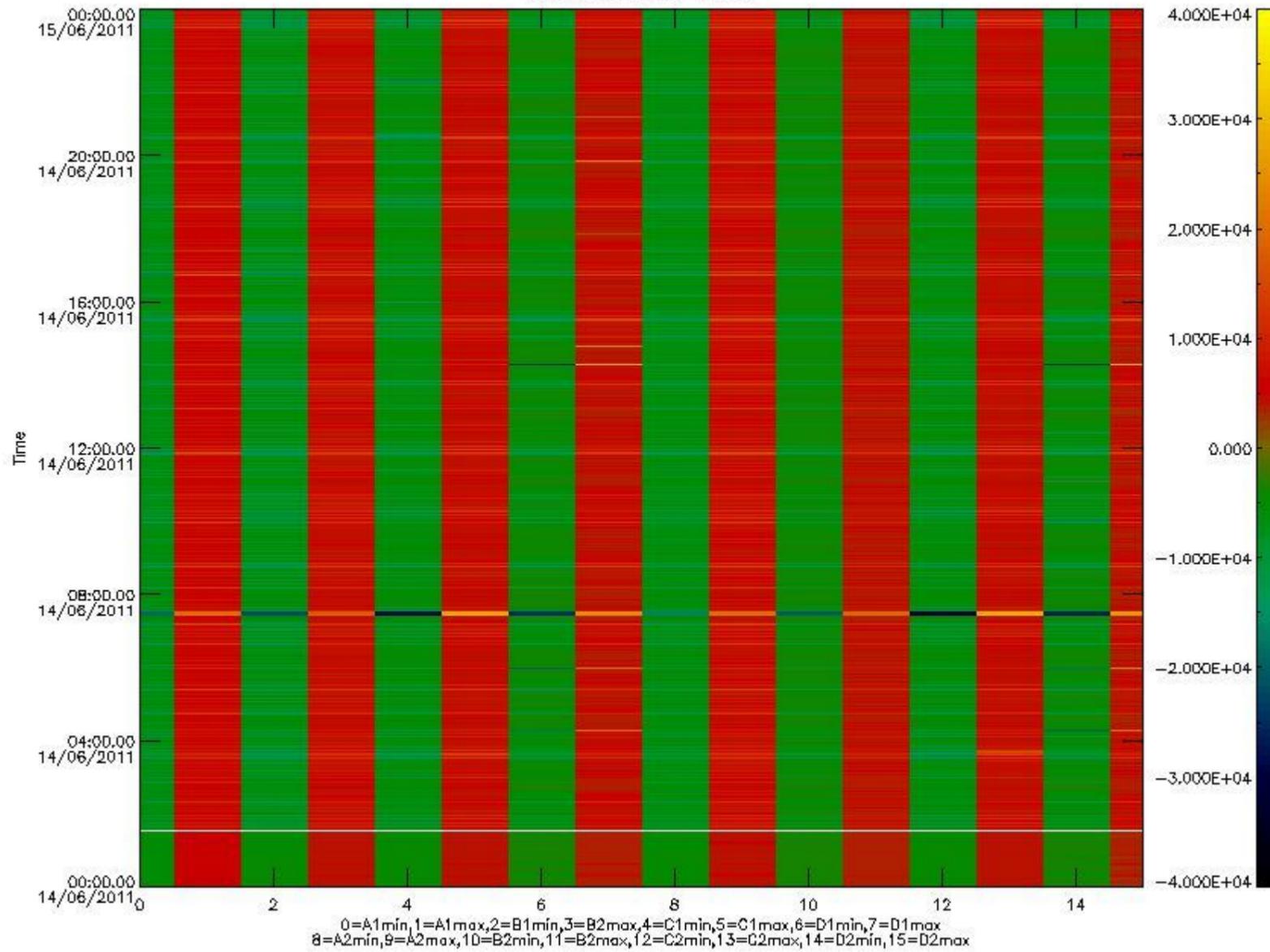


mipas_daily_report_level0_KSPT_L0_4504_N_20110614_10.PNG

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

Channel	Min	Max	ADC
A1	-19261	20516	16bit
B1	-22297	18985	16bit
C1	-28879	28907	16bit
D1	-32768	32767	16bit
A2	-16590	20642	16bit
B2	-20696	20210	16bit
C2	-30011	29749	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_20110614_11.PNG

0.3 ADF monitoring

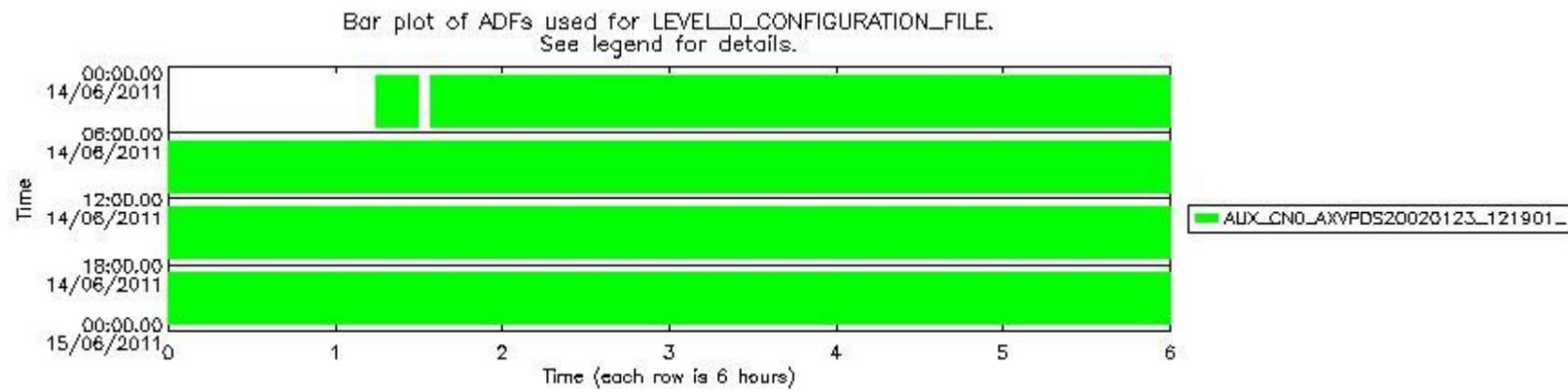
The use of ADFs is shown in two ways:

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.

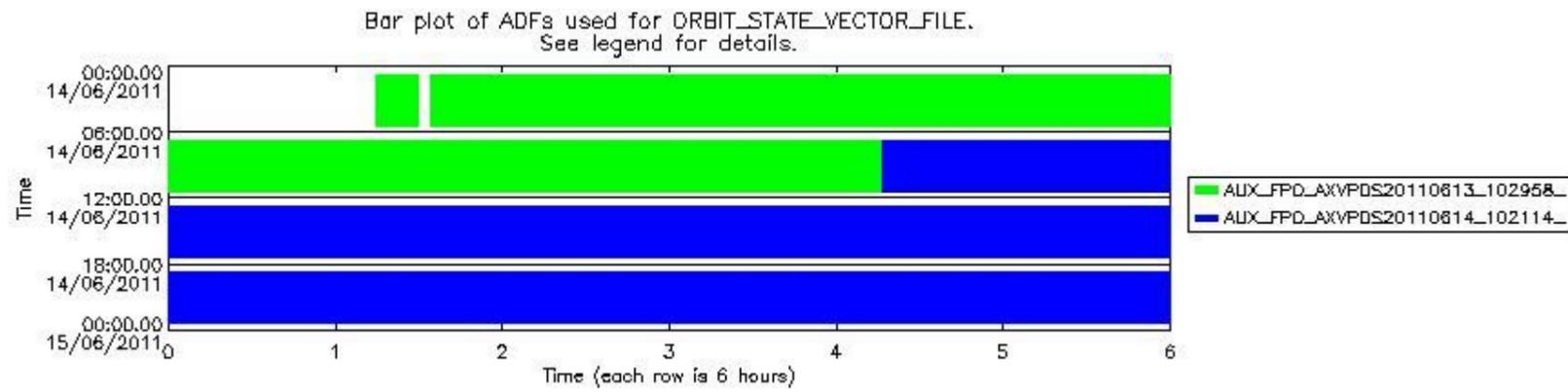
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110613_102958_20110612_192201_20110622_213549
2	AUX_FPO_AXVPDS20110614_102114_20110613_184517_20110623_205905

Number	Product name	#CN0	#FPO
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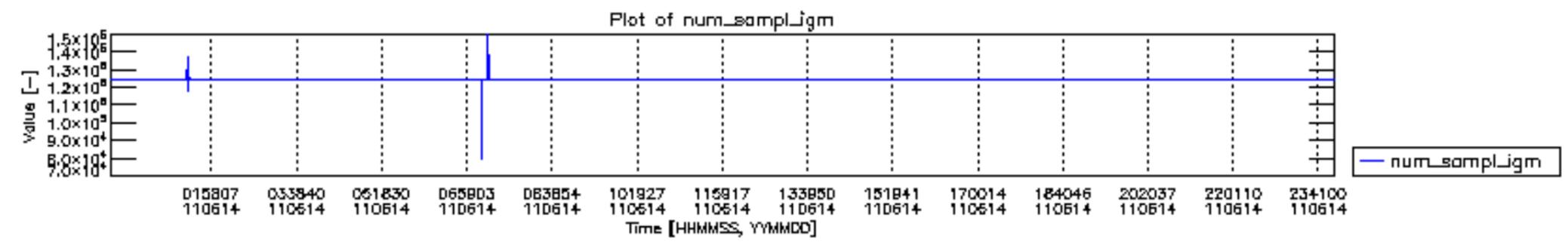
0	MIP_NL__0PNPDE20110614_011449_000009013103_00275_48565_9034.N1	0	1
1	MIP_NL__0PNPDE20110614_013401_000014003103_00276_48566_9036.N1	0	1
2	MIP_NL__0PNPDE20110614_015722_000076653103_00276_48566_9037.N1	0	1
3	MIP_NL__0PNPDE20110614_040434_000062133103_00277_48567_9031.N1	0	1
4	MIP_NL__0PNPDE20110614_054729_000061523103_00278_48568_9032.N1	0	1
5	MIP_NL__0PNPDK20110614_072925_000039783103_00279_48569_5486.N1	0	1
6	MIP_NL__0PNPDK20110614_083509_000061383103_00280_48570_5487.N1	0	1
7	MIP_NL__0PNPDK20110614_101647_000059333103_00281_48571_5488.N1	0	2
8	MIP_NL__0PNPDK20110614_115507_000059603103_00282_48572_5489.N1	0	2
9	MIP_NL__0PNPDK20110614_133354_000058603103_00283_48573_5490.N1	0	2
10	MIP_NL__0PNPDK20110614_151050_000059643103_00284_48574_5491.N1	0	2
11	MIP_NL__0PNPDK20110614_164932_000058123103_00285_48575_5492.N1	0	2
12	MIP_NL__0PNPDK20110614_182528_000060523103_00286_48576_5493.N1	0	2
13	MIP_NL__0PNPDE20110614_200452_000040763103_00287_48577_9038.N1	0	2
14	MIP_NL__0PNPDE20110614_211130_000063883103_00287_48577_9039.N1	0	2
15	MIP_NL__0PNPDE20110614_225654_000061863103_00288_48578_9040.N1	0	2

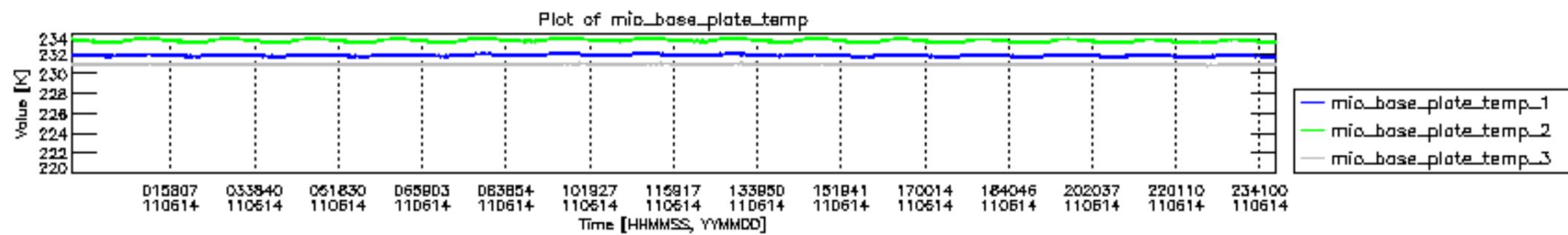


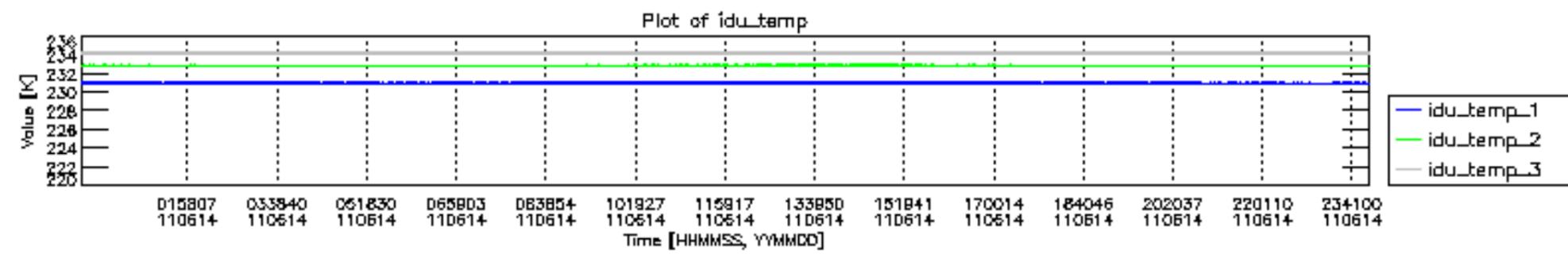
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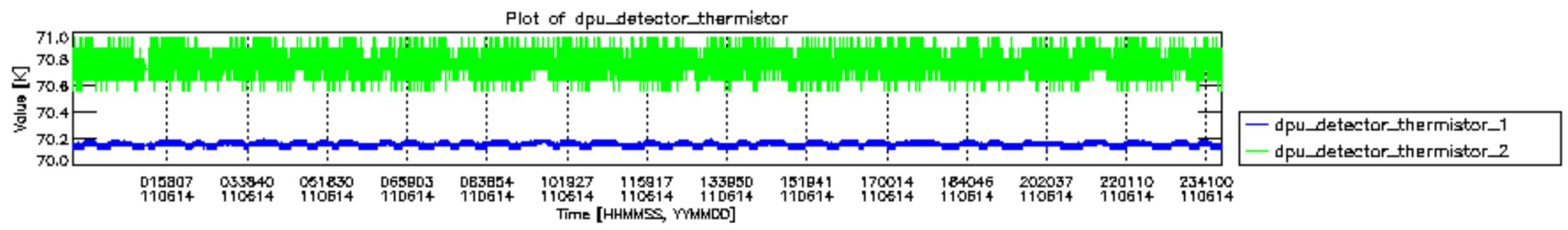


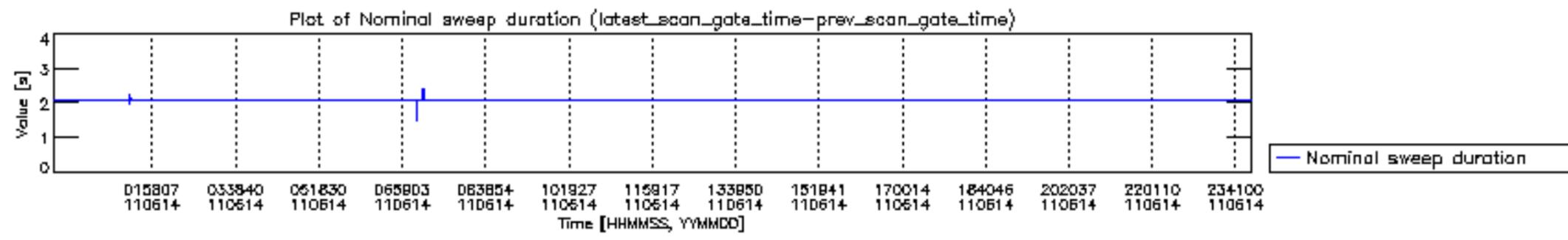
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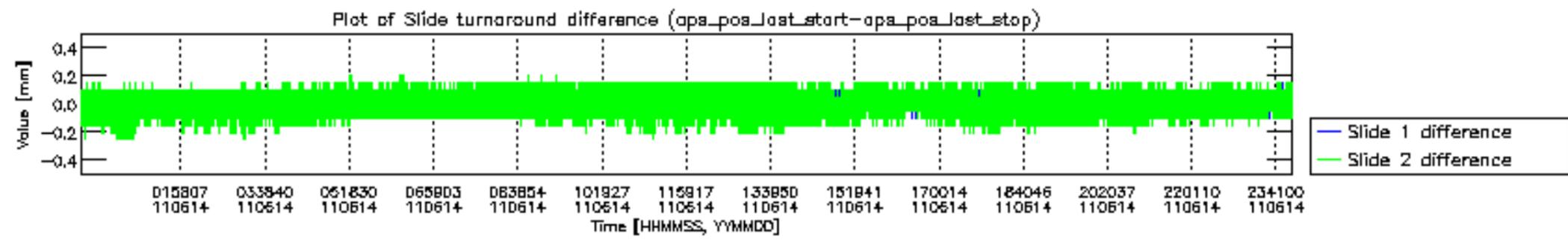


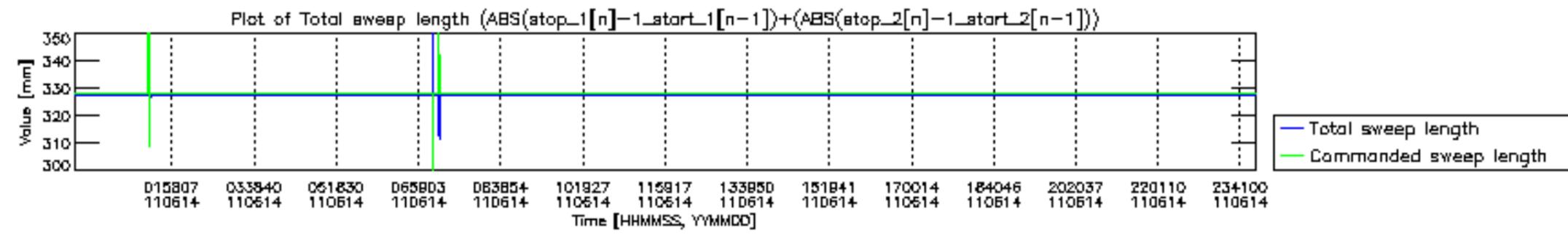


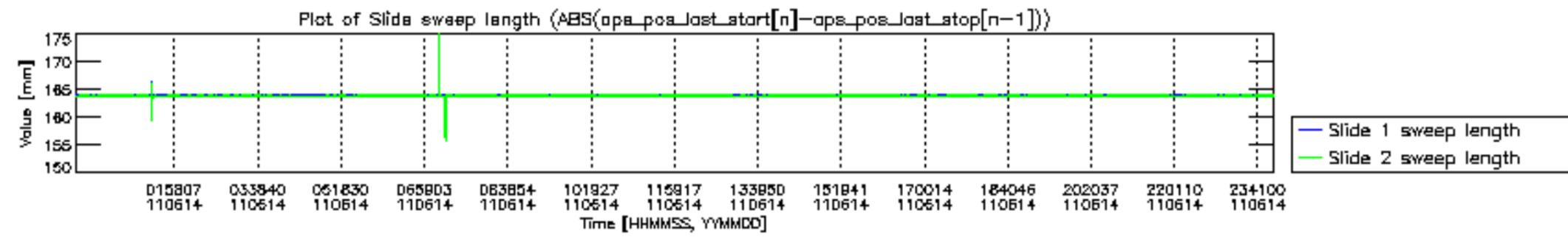


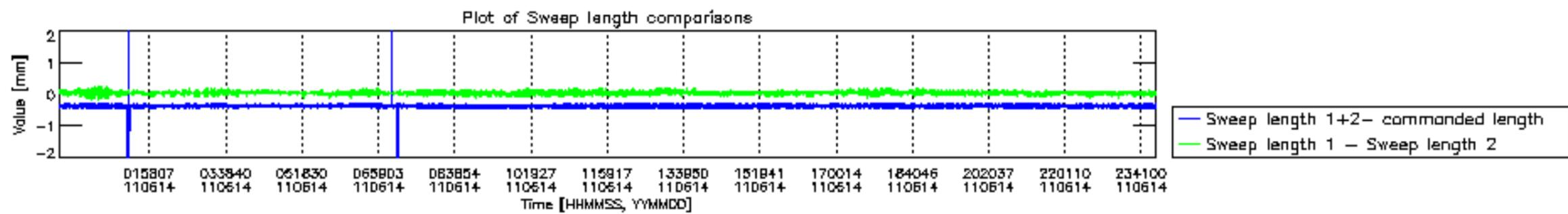


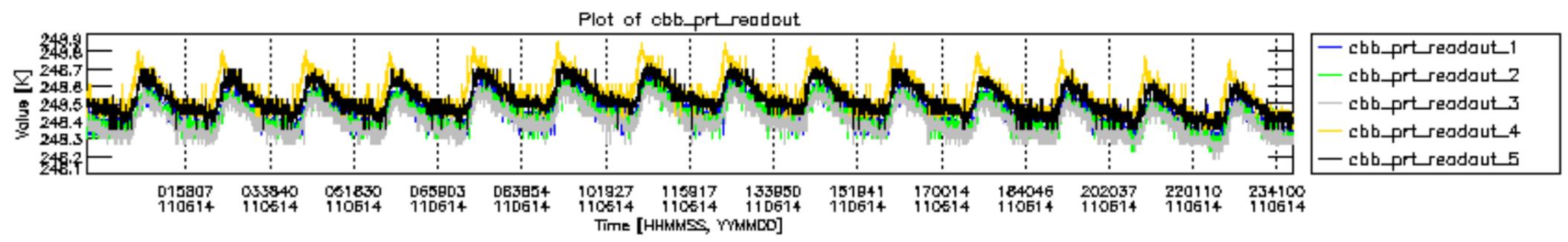


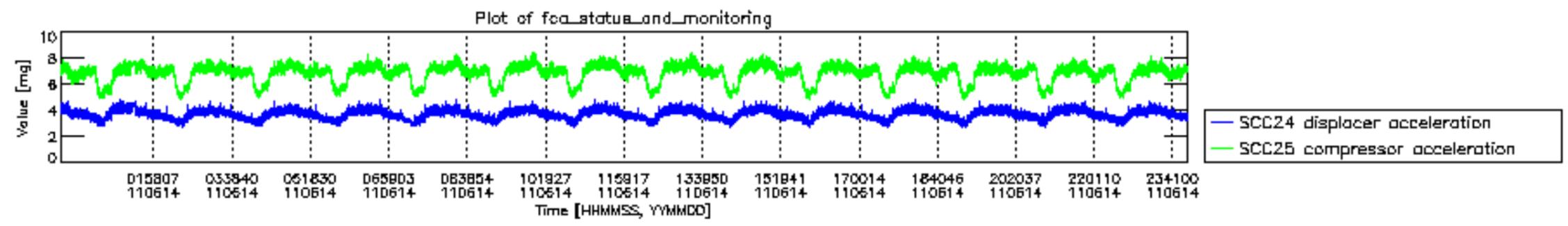












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

