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Test Monitoring Center

<http://astmtmc.cmu.edu>

ASTM Reference Testing Semi-Annual Report CBT

Fall 2019

CBT Test Activity*

Test Status	Validity Code	Number of Tests
Acceptable Calibration Test	AC	2
Failed Calibration Test	OC	3
Hardware Run – N coupons	NI	4
Unacceptable Hardware Run – N coupons	MI	2
Invalid Hardware Run – N coupons	LI, RI	6
Total		17

*April 1, 2019 – September 30, 2019

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CBT Failed Tests

Failed Parameter	Number of Tests
Mild Lead Concentration	1
Mild Copper Concentration	2
Total	3

CBT Lost Tests*

Status	Cause	#
	No lost tests this period.	

*Invalid and aborted calibration tests

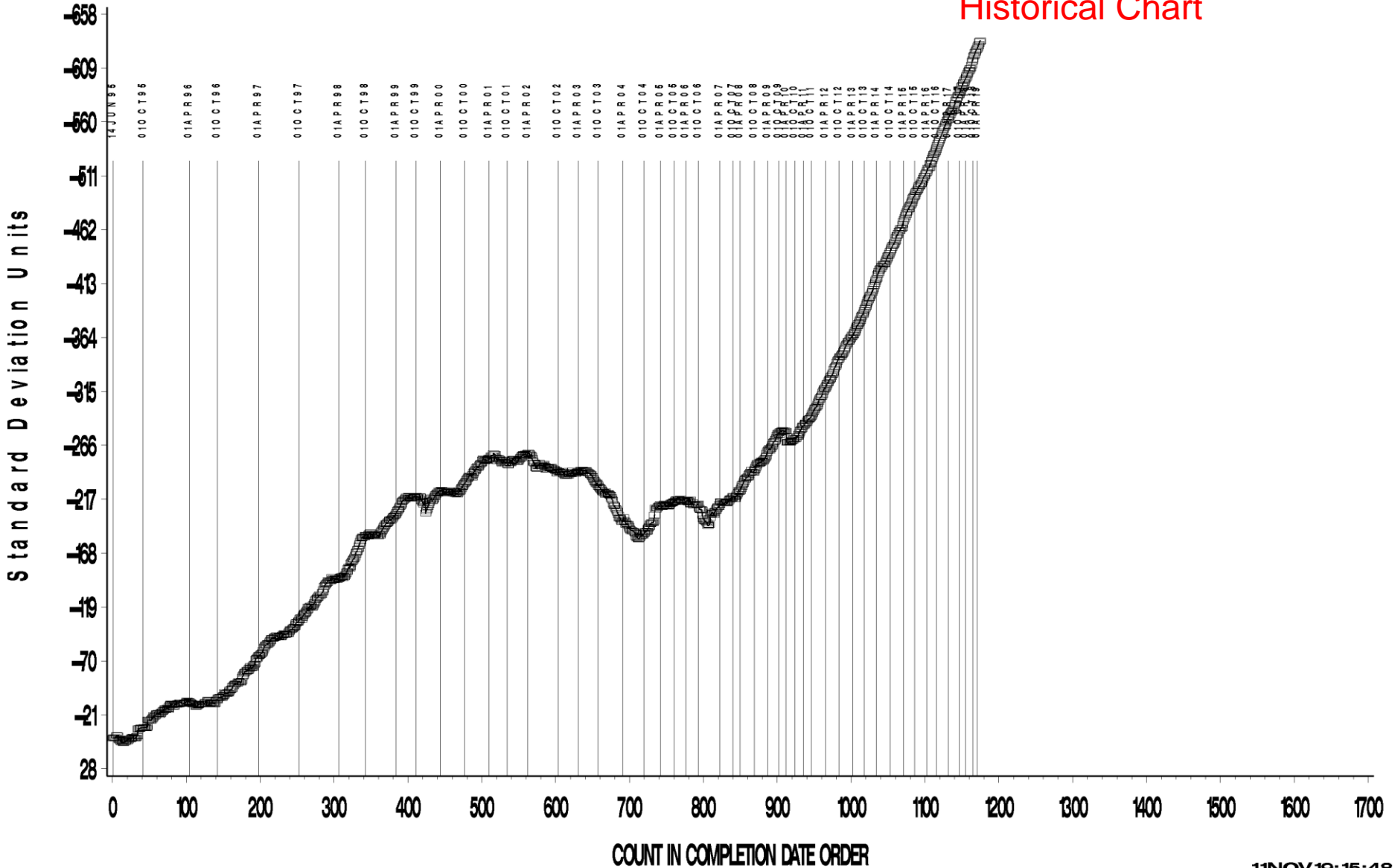
CBT Test Severity

- ▶ Copper concentration trending mild
- ▶ Lead concentration trending mild

LEAD CHANGE (ppm)

CUSUM Severity Analysis

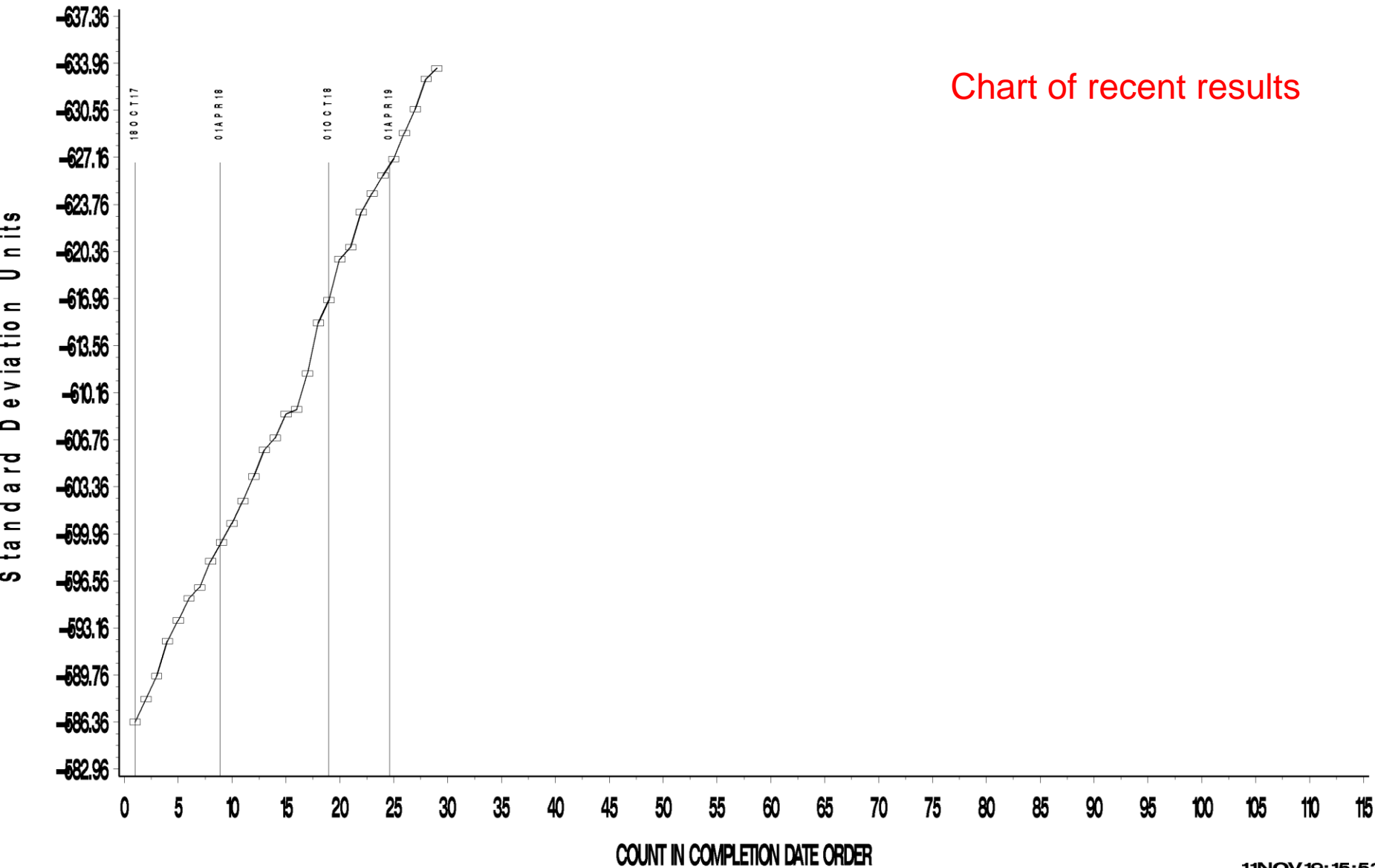
Historical Chart



LEAD CHANGE (ppm)

CUSUM Severity Analysis

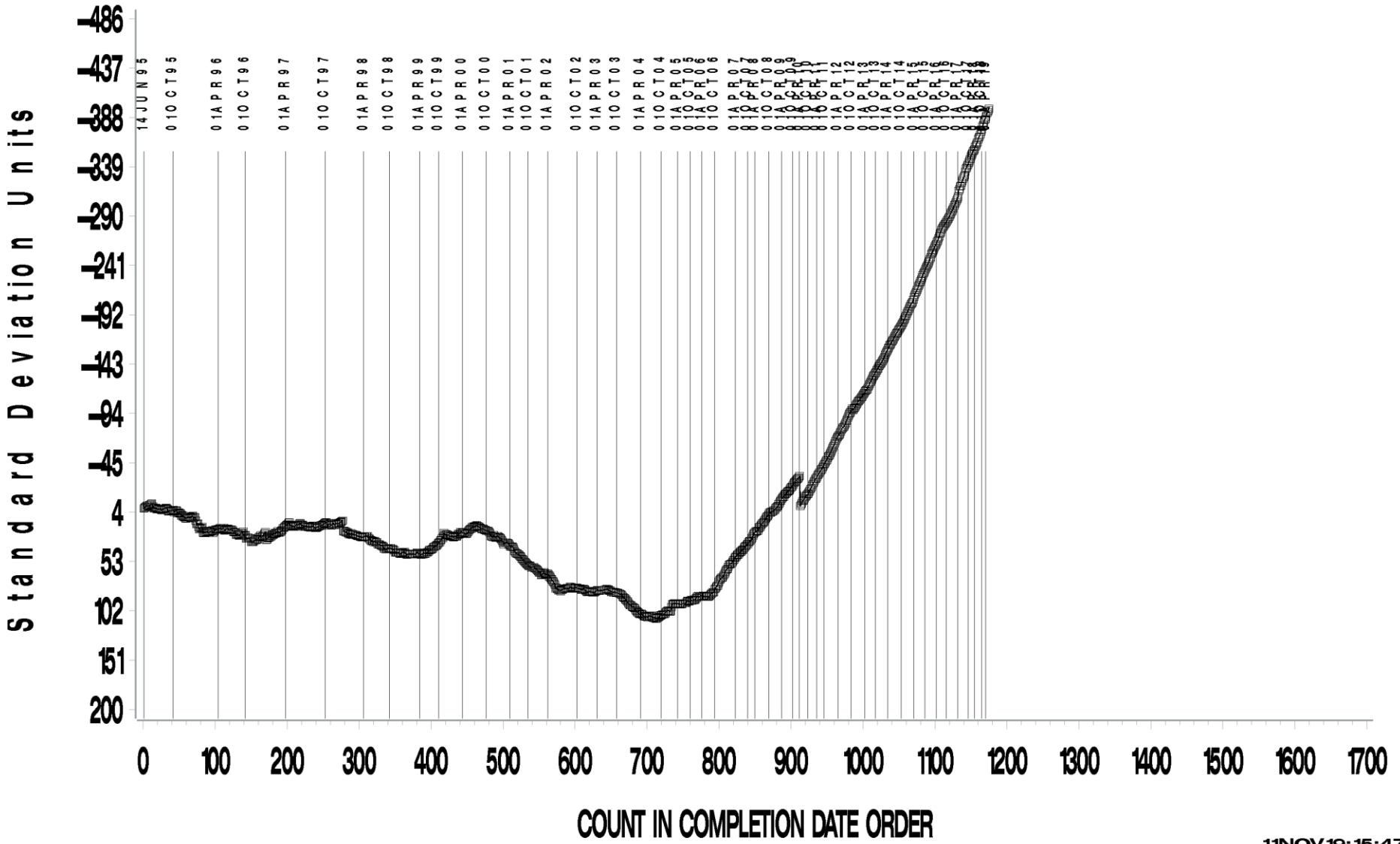
Chart of recent results



COPPER CHANGE (ppm)

CUSUM Severity Analysis

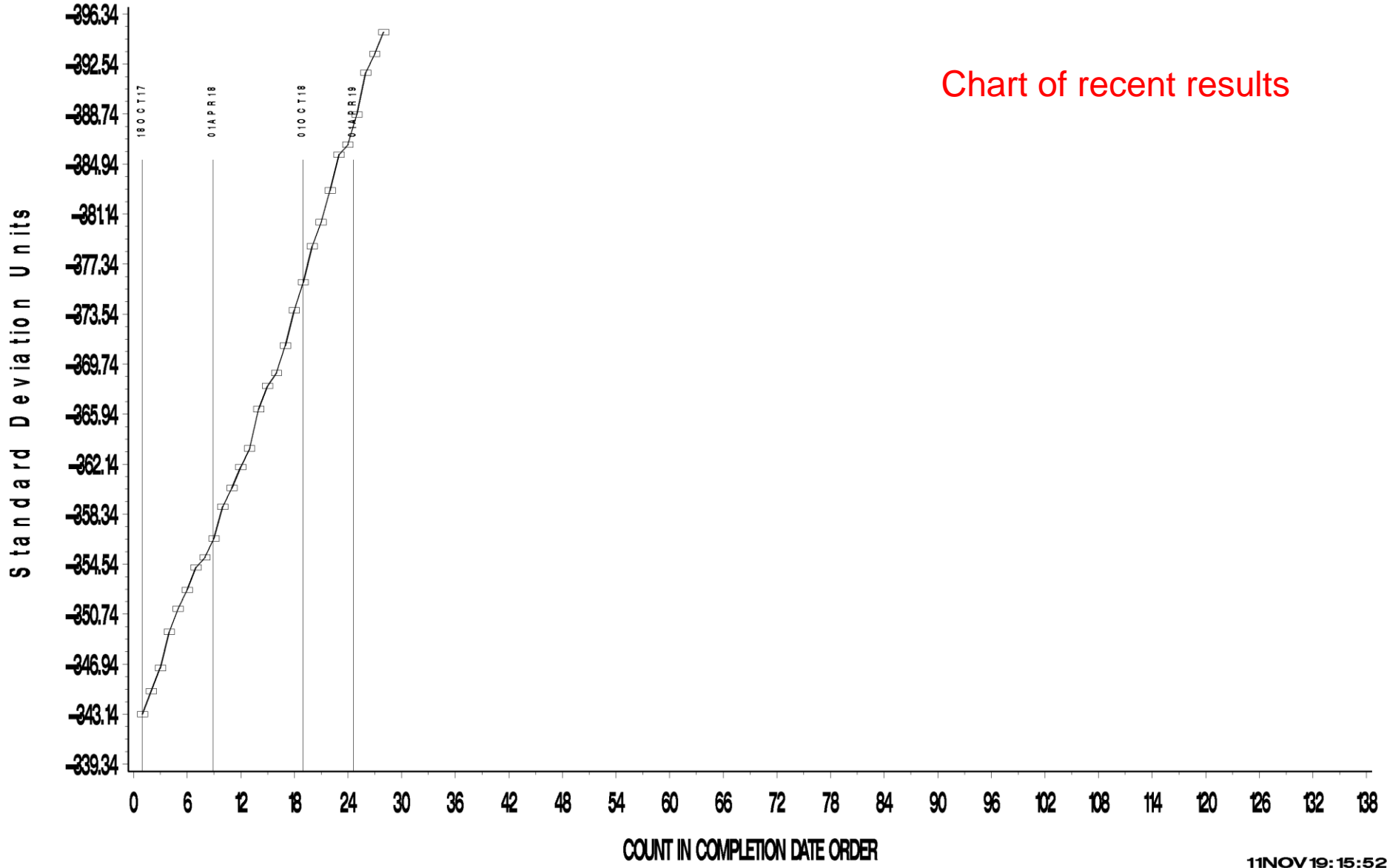
Historical Chart



COPPER CHANGE (ppm)

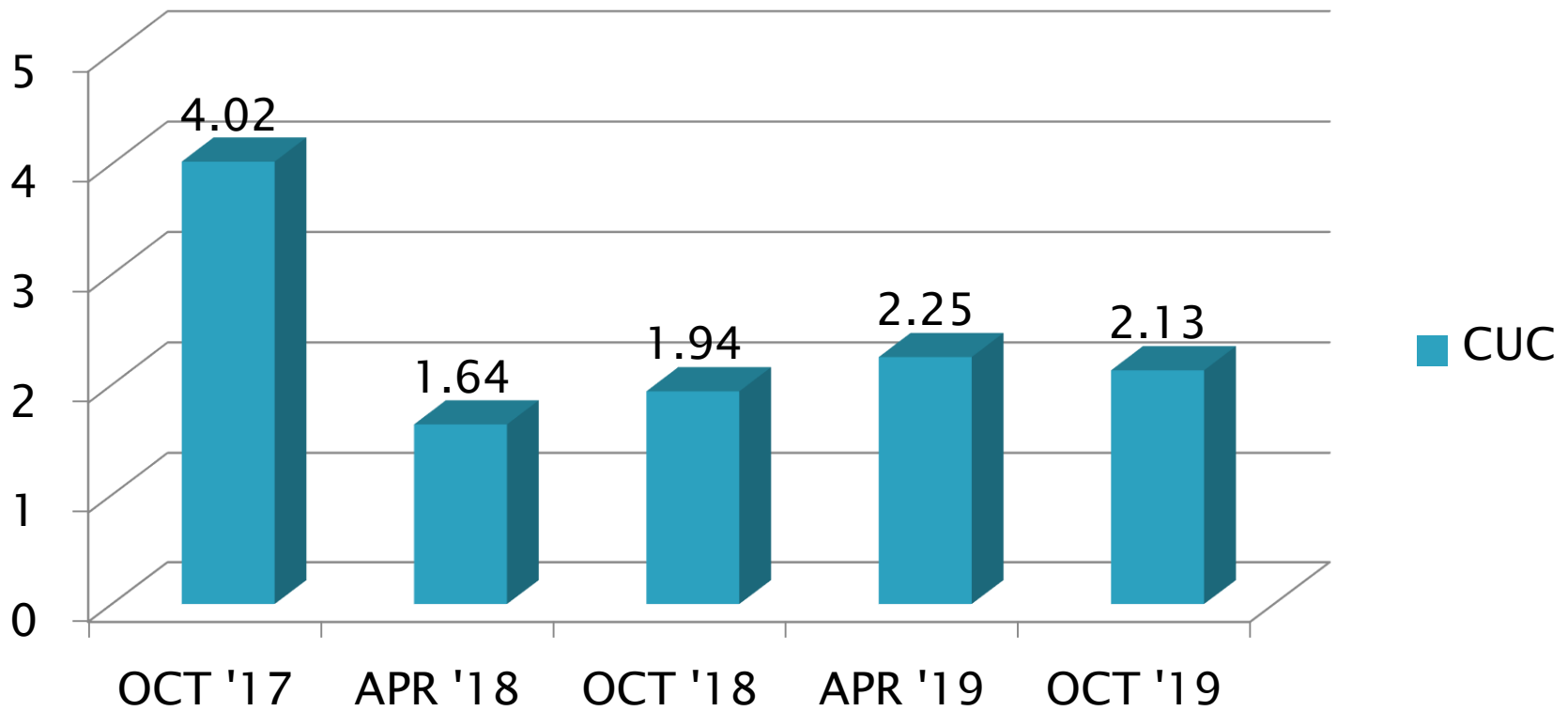
CUSUM Severity Analysis

Chart of recent results

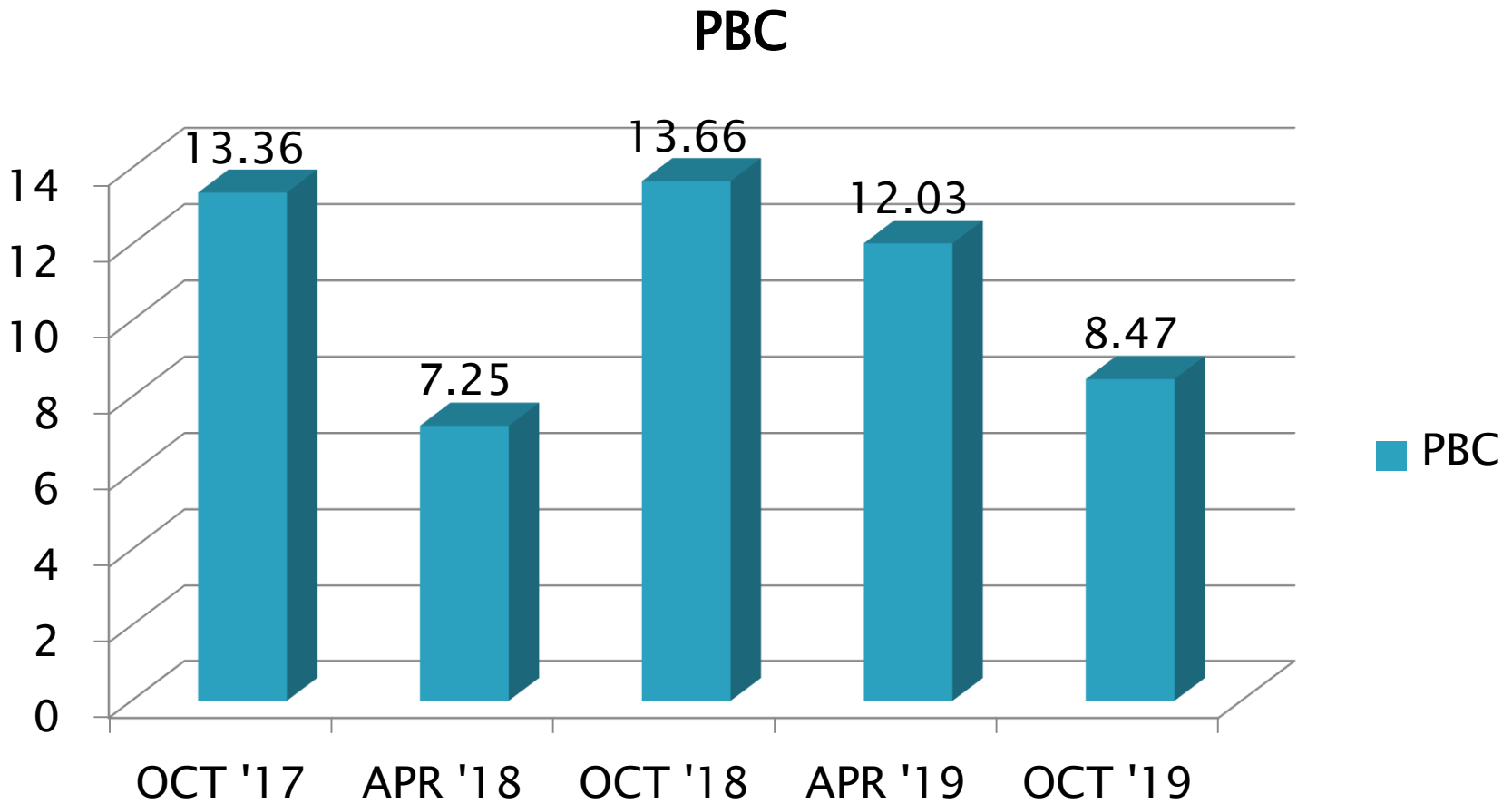


CBT Precision Estimates

CUC



CBT Precision Estimates



Information Letters*

Test	Date	IL	Topic
			No new information letters this period.

*Available from TMC Website

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Reference Oil Inventory Estimated Life

Oil	TMC Inventory (gallons)	Quantity Shipped in last 6 months (gallons)	Lab Inventory (samples)	Estimated Life
43	32	1	35	5+ years

Miscellaneous Information

- ▶ Available on TMC Website:
 - Oil Assignment Request and Test File Upload
 - Live Reference Test Data Bases
 - Surveillance Panel Meeting Minutes
- ▶ www.astmtmc.cmu.edu



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