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Test Monitoring Center

<https://www.astmtmc.org>

ASTM Reference Testing Semi-Annual Report ASTM D6794 – EOWT

October 2021

EOWT Test Activity by Treat Rate*

Test Status	Validity Code	Number of Tests by Water Treat Rate				Total
		0.6%	1.0%	2.0%	3.0%	
Acceptable Calibration Test	AC	190	192	191	193	766
Failed Calibration Test	OC	2	4	4	6	16
Total						782

- 5 labs reported data

*April 1, 2021 – September 30, 2021

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EOWT Test Activity by Reference Oil*

Test Status	Validity Code	Number of Tests by Reference Oil		Total
		79	77-3	
Acceptable Calibration Test	AC	382	384	766
Failed Calibration Test	OC	4	12	16
Total		386	396	782

*April 1, 2021 – September 30, 2021

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EOWT Failed Tests

Failed Parameter	Number of Tests				Total
	0.6%	1.0%	2.0%	3.0%	
Severe Change in Flowrate	2	2	4	6	14
Mild Change in Flowrate	0	2	0	0	2
Total	2	4	4	6	16

EOWT Failed Tests by Lab

Failed Parameter	LTMS Lab					#
	A	B	G	I	L	
Severe Change in Flowrate	9	0	3	2	0	14
Mild Change in Flowrate	1	0	0	0	1	2
Total	10	0	3	2	1	16

EOWT Lost Tests*

Status	Cause	Number of Tests				#
		0.6%	1.0%	2.0%	3.0%	
No tests were lost this period						

*Invalid and aborted calibration tests

EOWT Test Severity

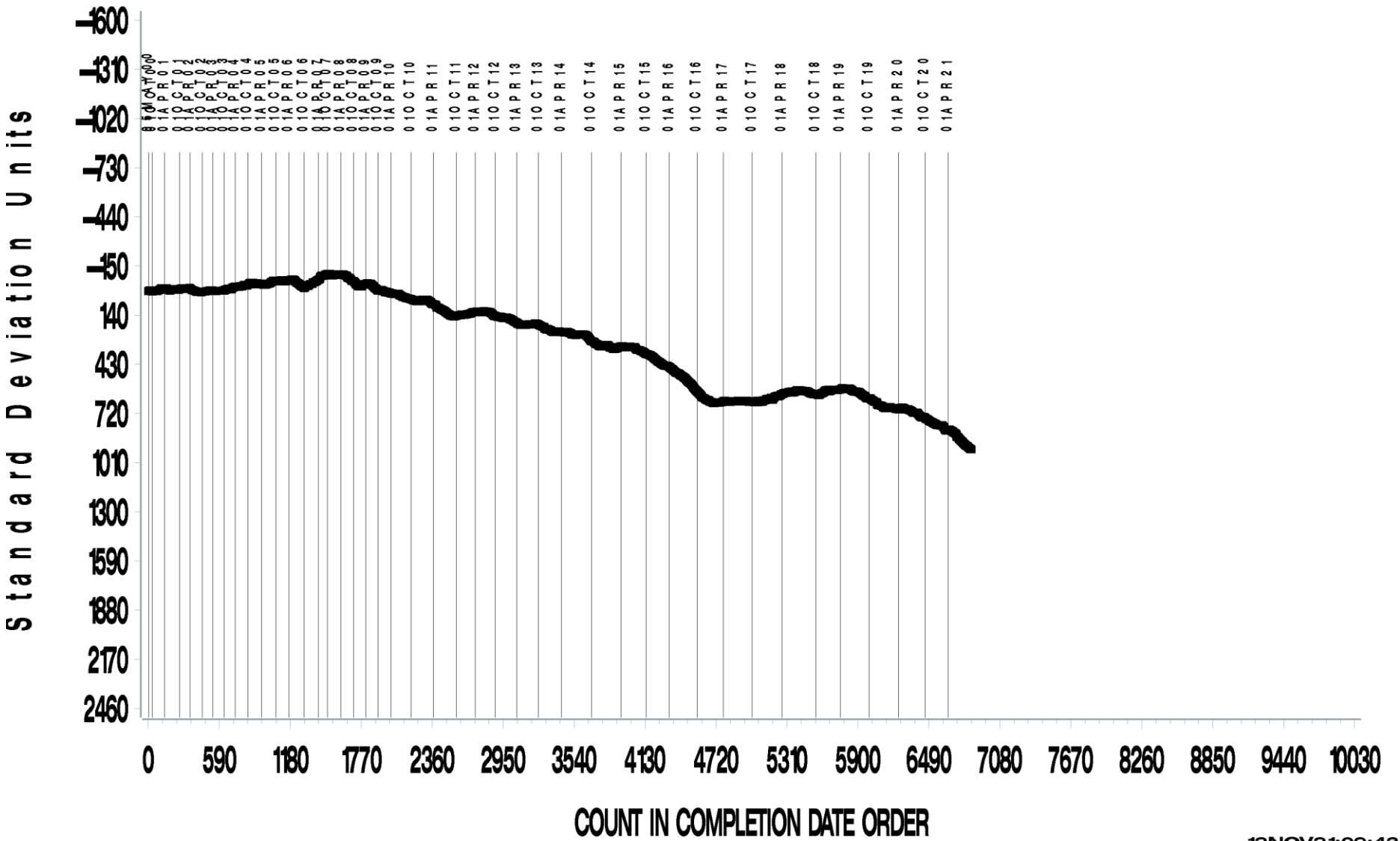
- ▶ Change in flowrate is trending severe for all treat rates.

EOWT INDUSTRY OPERATIONALLY VALID DATA
 CFA 0.6% Water Treat Rate
 20 —25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

Historical Chart

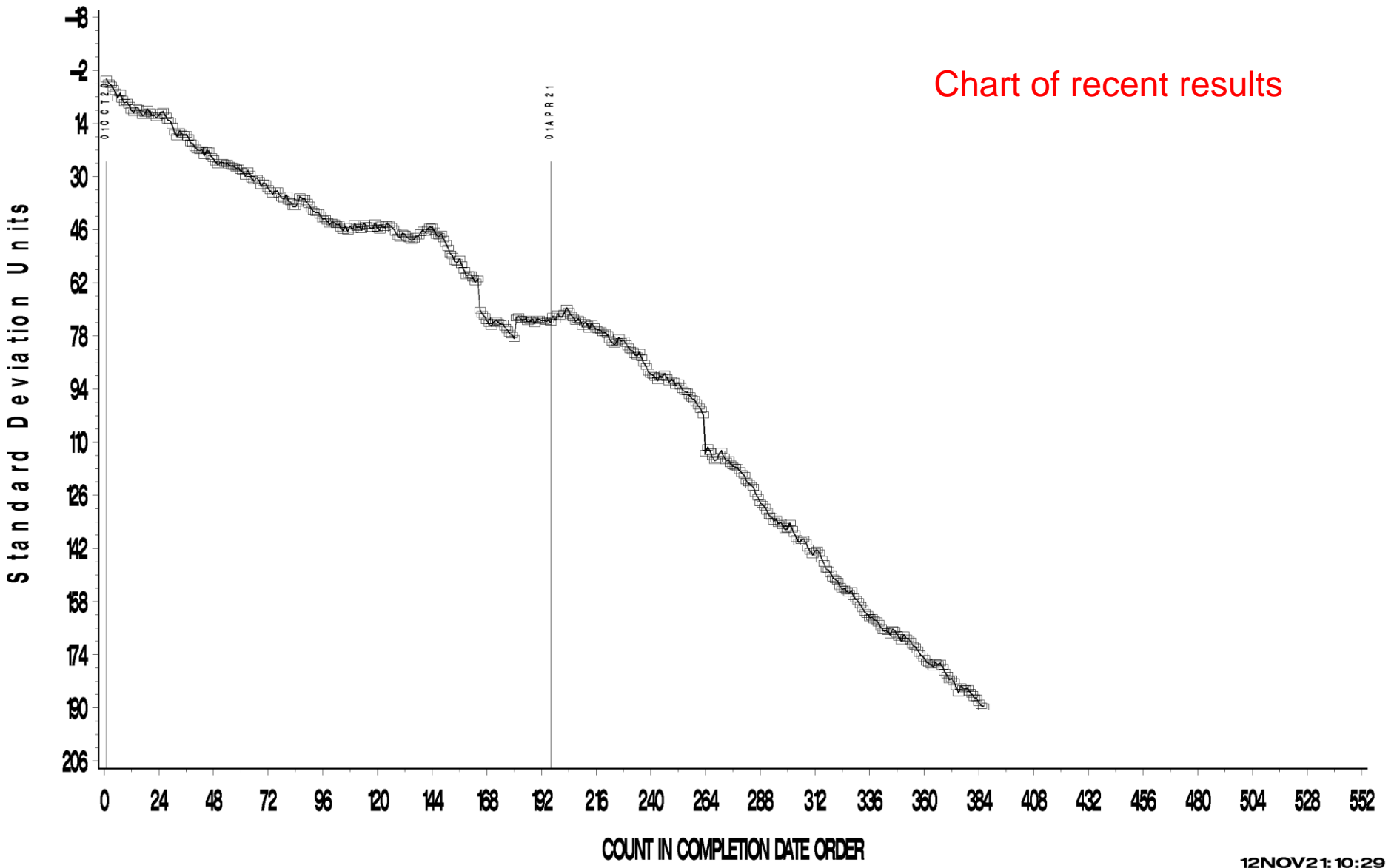


EOWT INDUSTRY OPERATIONALLY VALID DATA
CFA 0.6% Water Treat Rate
20 —25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

Chart of recent results



EOWT INDUSTRY OPERATIONAL VALID DATA

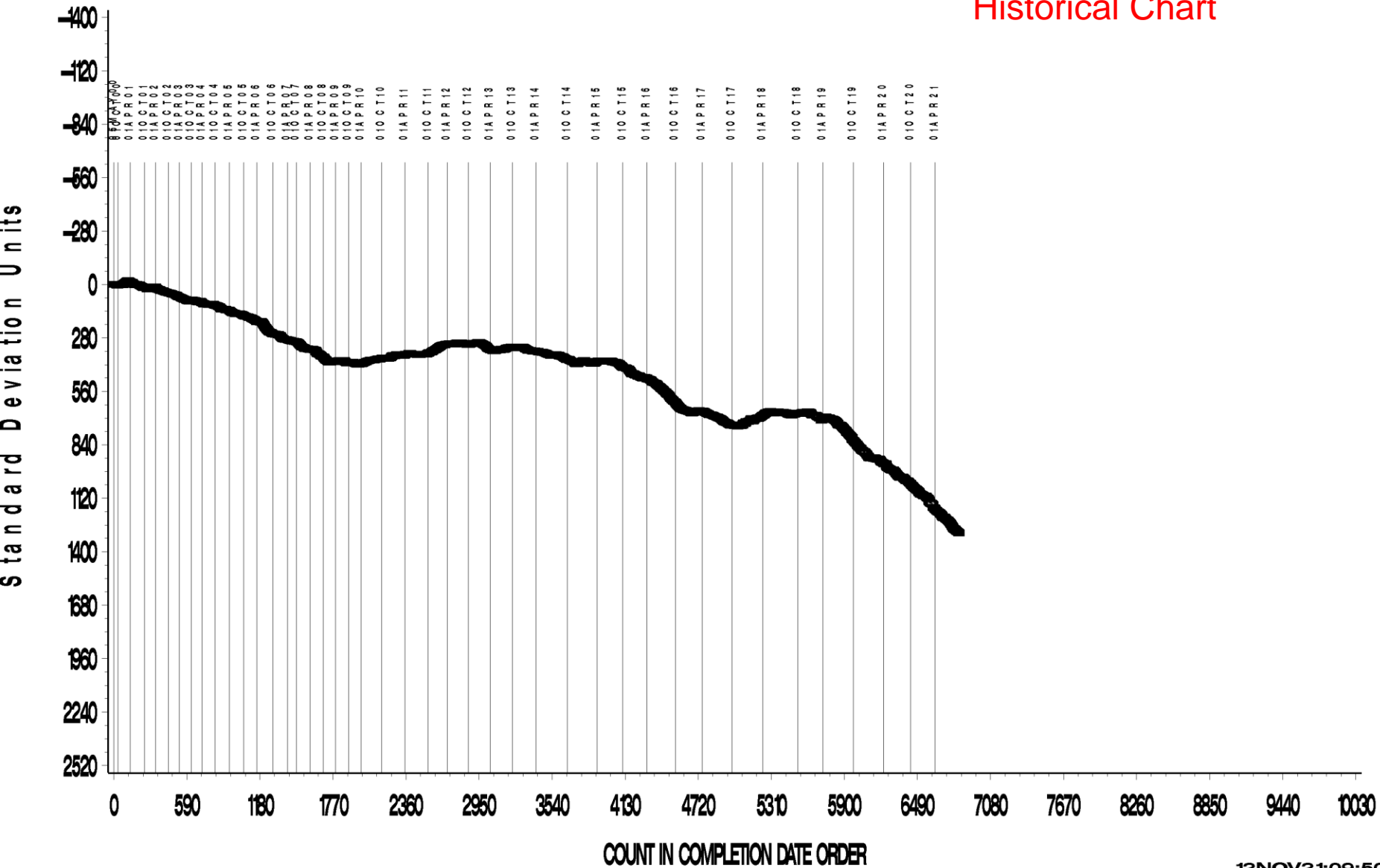
CFA 1% Water Treat Rate

20 —25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

Historical Chart

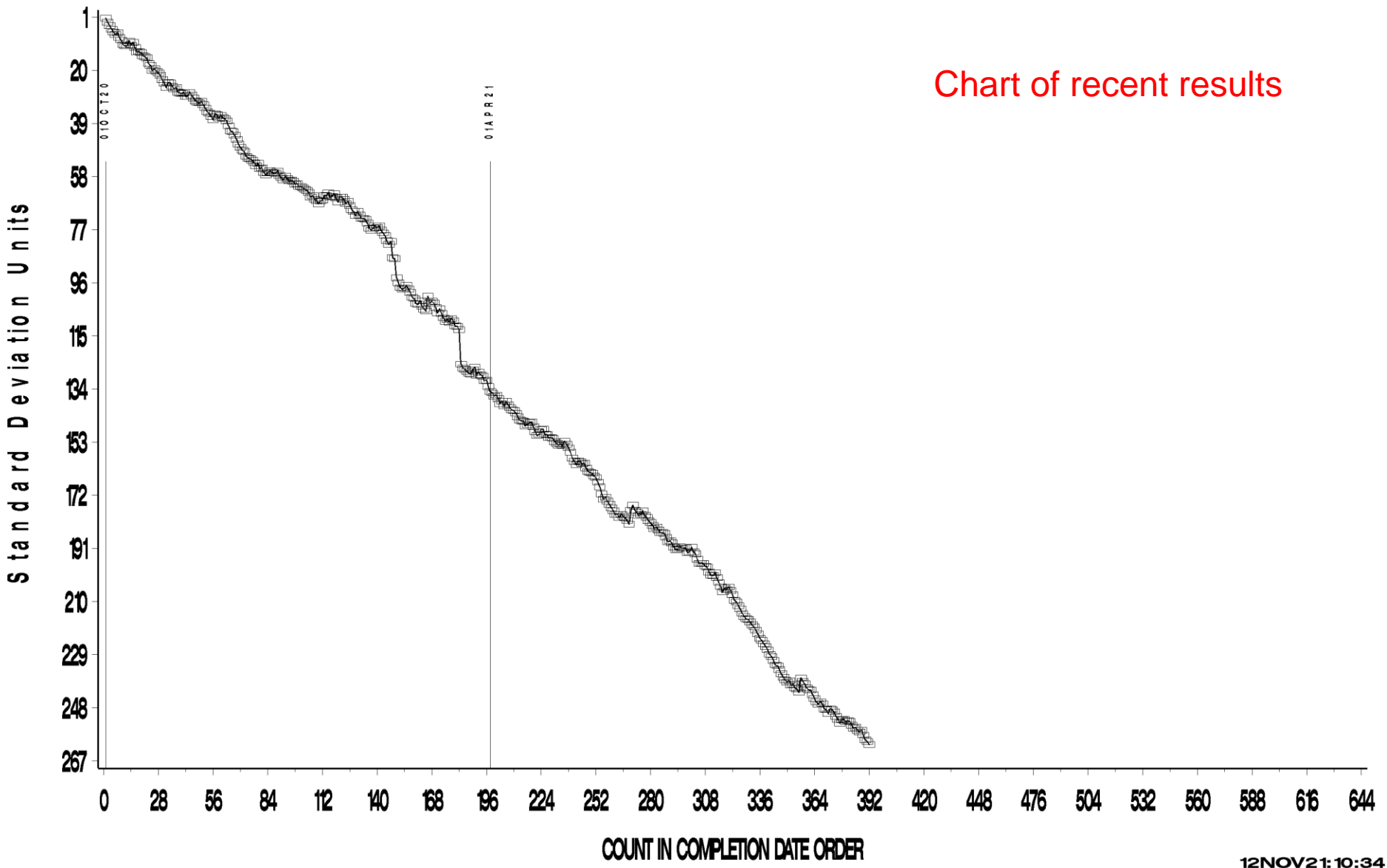


EOWT INDUSTRY OPERATIONALLY VALID DATA
CFA 1% Water Treat Rate
20 —25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

Chart of recent results



EOWT INDUSTRY OPERATIONAL VALID DATA

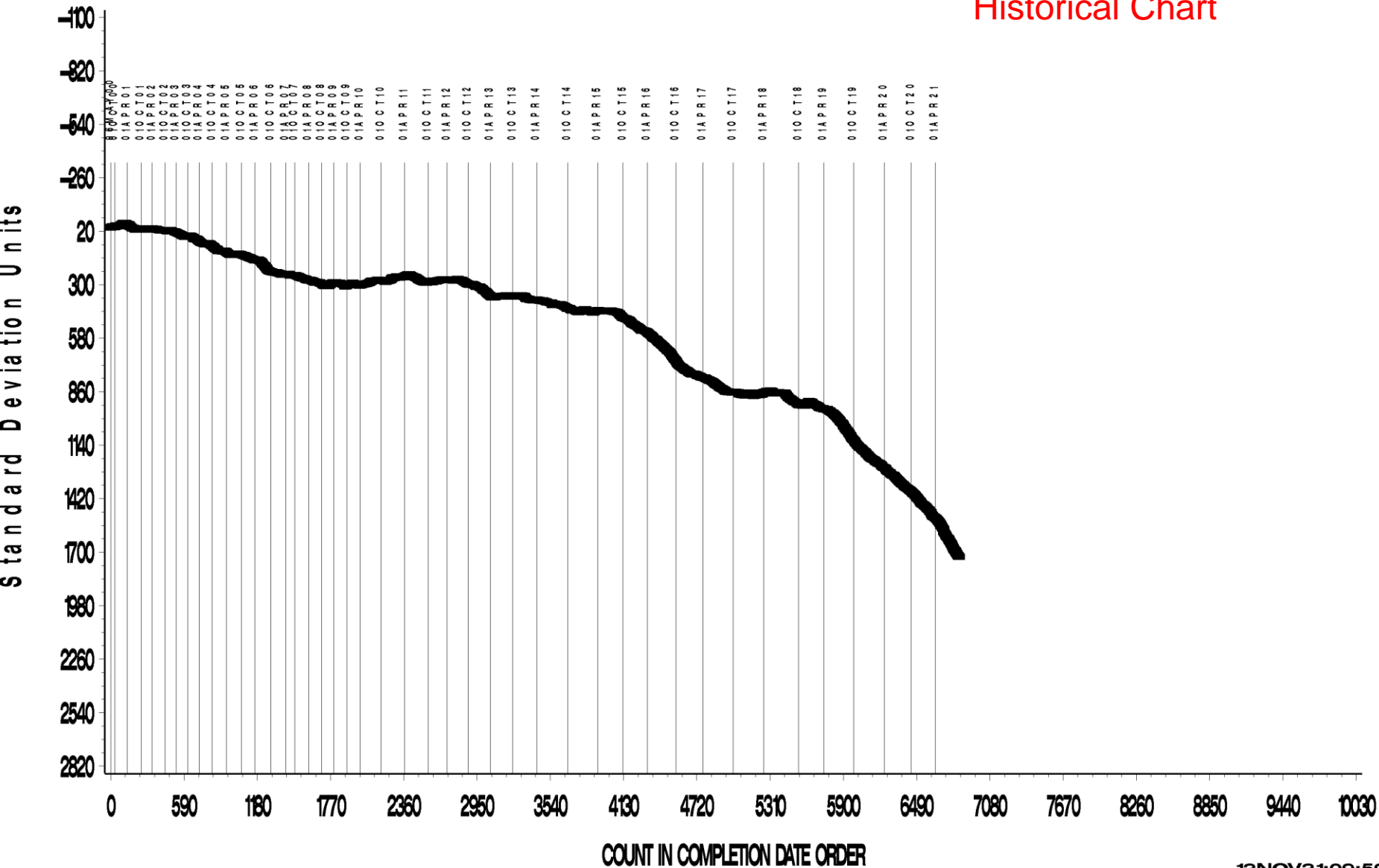
CFA 2% Water Treat Rate

20 —25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

Historical Chart

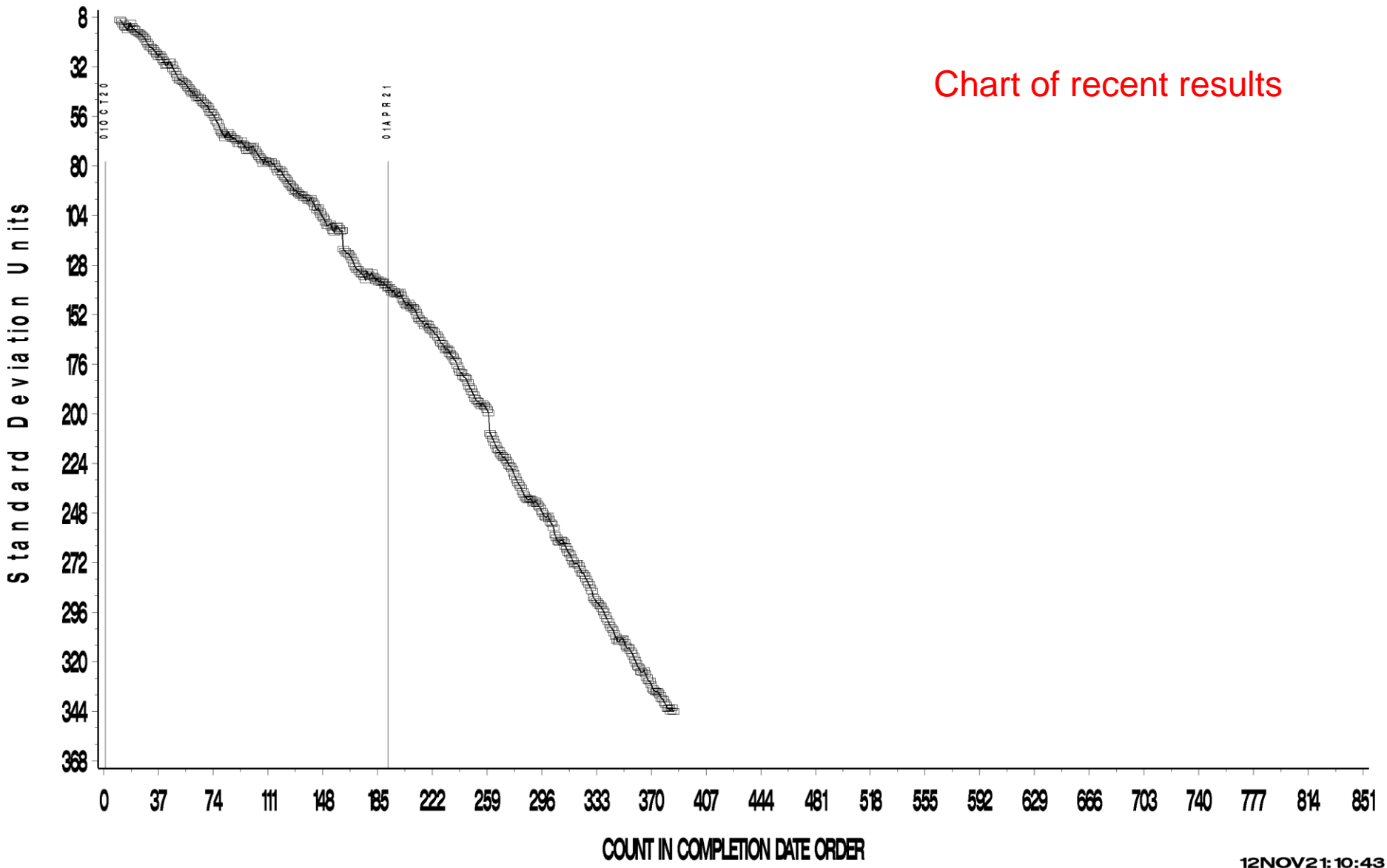


EOWT INDUSTRY OPERATIONALLY VALID DATA
CFA 2.0% Water Treat Rate
20 —25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

Chart of recent results



EOWT INDUSTRY OPERATIONAL VALID DATA

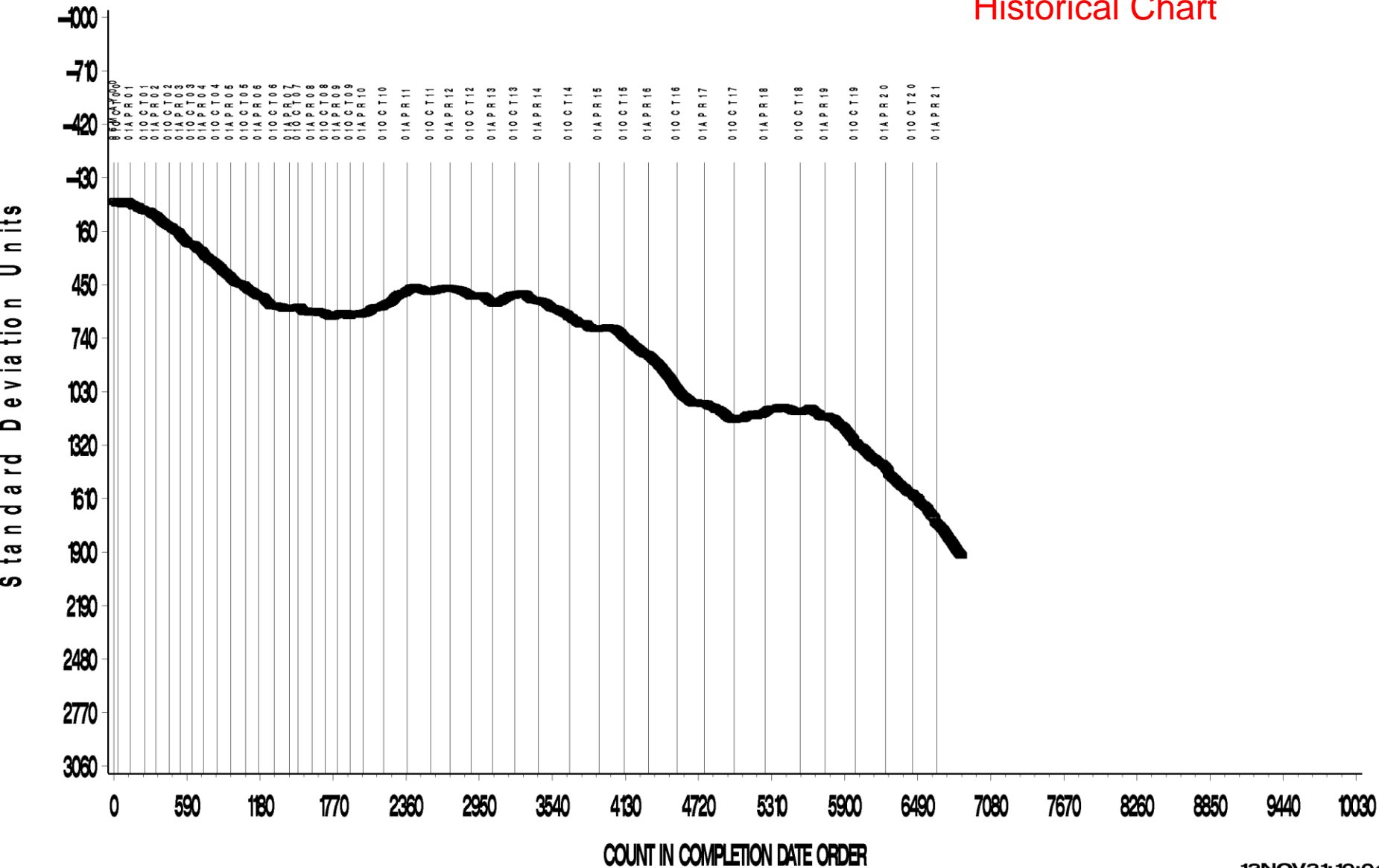
CFA 3.0% Water Treat Rate

20 — 25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

Historical Chart

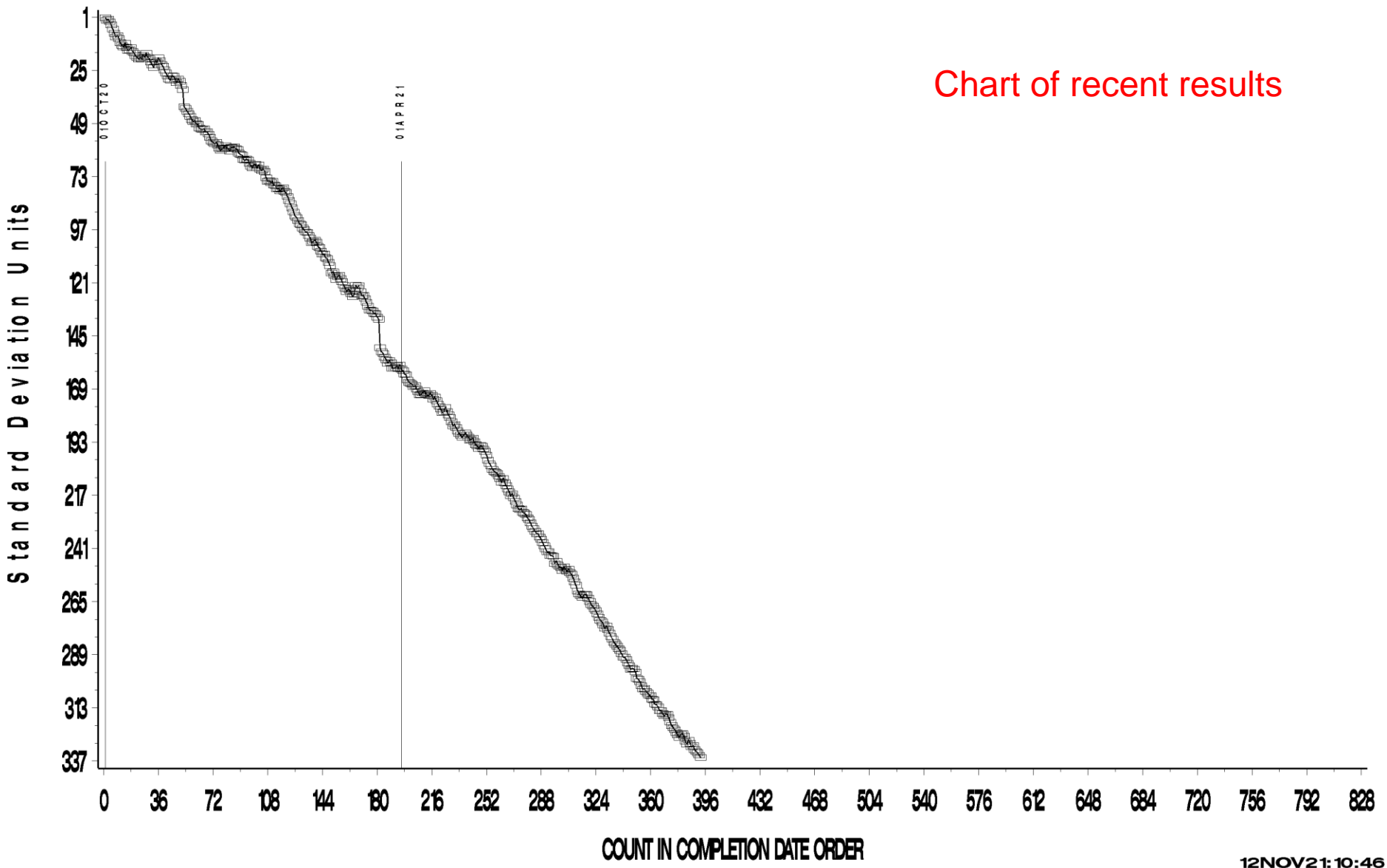


EOWT INDUSTRY OPERATIONALLY VALID DATA
CFA 3% Water Treat Rate
20 —25 ML CHANGE IN FLOWRATE AVG.



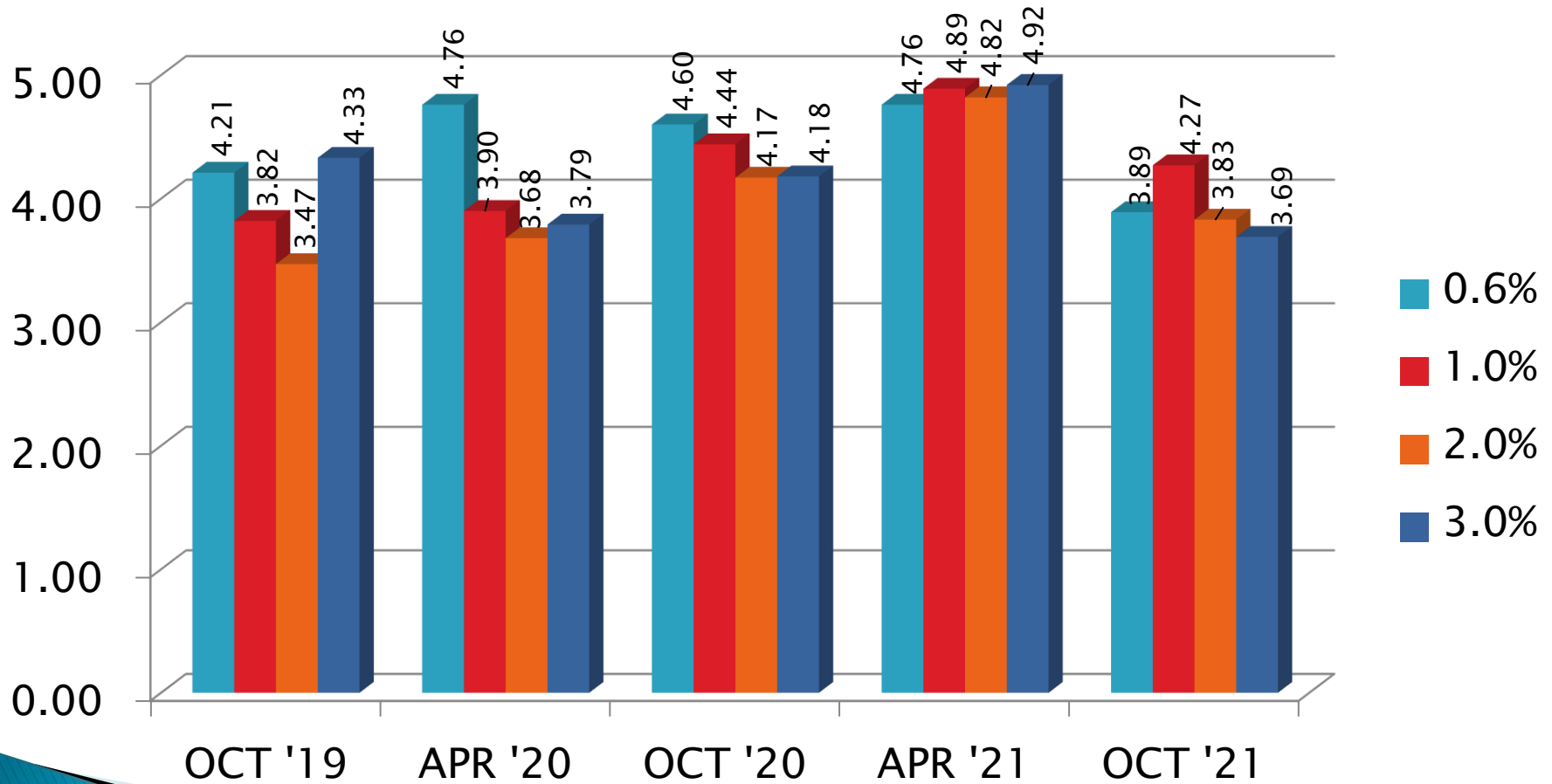
CUSUM Severity Analysis

Chart of recent results



EOWT Precision Estimates

CFA



Information Letters*

Test	Date	IL	Topic
			No new information letters this period.

*Available from TMC Website

Test Monitoring Center
<https://www.astmtmc.org>



Reference Oil Inventory Estimated Life

Oil	TMC Inventory (gallons)	Quantity Shipped in last 6 months (gallons)	Lab Inventory (samples)	Estimated Life
77-3	542.0	26.3	171	5+ years
79	348.6	42.6	184	3.5 years

Miscellaneous Information

- ▶ Available on TMC Website:
 - Oil Assignment Request and Test File Upload
 - Live Reference Test Data Bases
 - Surveillance Panel Meeting Minutes
- ▶ <https://www.astmtmc.org>



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