



Test Monitoring Center

<https://www.astmtmc.org>

ASTM Reference Testing Semi-Annual Report ASTM D6794 – EOWT

April 2022

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	180	180	178	178	716
Failed Calibration Test	OC	0	2	0	4	6
Aborted Calibration Test	XC	1	1	1	1	4
Total		181	183	179	183	726

- 5 labs reported data

*October 1, 2021 – March 31, 2022

EOWT Test Activity by Reference Oil*

Test Status	Validity Code	Number of Tests by Reference Oil		Total
		79	77-3	
Acceptable Calibration Test	AC	358	358	716
Failed Calibration Test	OC	1	5	6
Aborted Calibration	XC	2	2	4
Total		361	365	726

*October 1, 2021 – March 31, 2021

EOWT Failed Tests

Failed Parameter	Number of Tests				Total
	0.6%	1.0%	2.0%	3.0%	
Severe Change in Flowrate	0	1	0	4	5
Mild Change in Flowrate	0	1	0	0	1
Total	0	2	0	4	6

EOWT Failed Tests by Lab

Failed Parameter	LTMS Lab					#
	A	B	G	I	L	
Severe Change in Flowrate	4	0	1	0	0	5
Mild Change in Flowrate	1	0	0	0	0	1
Total	5	0	1	0	0	6

EOWT Lost Tests*

Cause	Number of Tests				#
	0.6%	1.0%	2.0%	3.0%	
Mechanical Failure	1	1	1	1	4
					4

*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

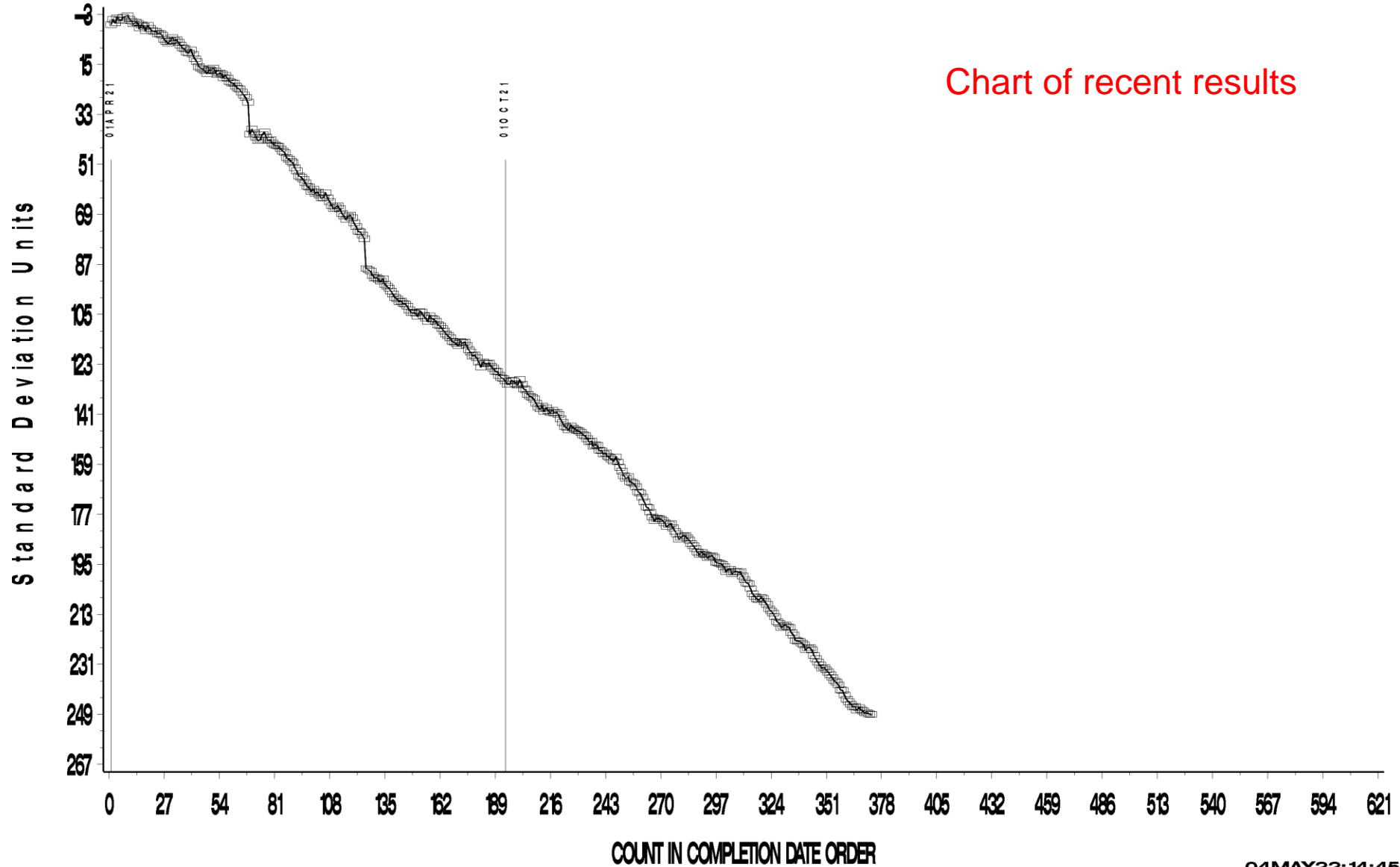
Historical Chart



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



CUSUM Severity Analysis

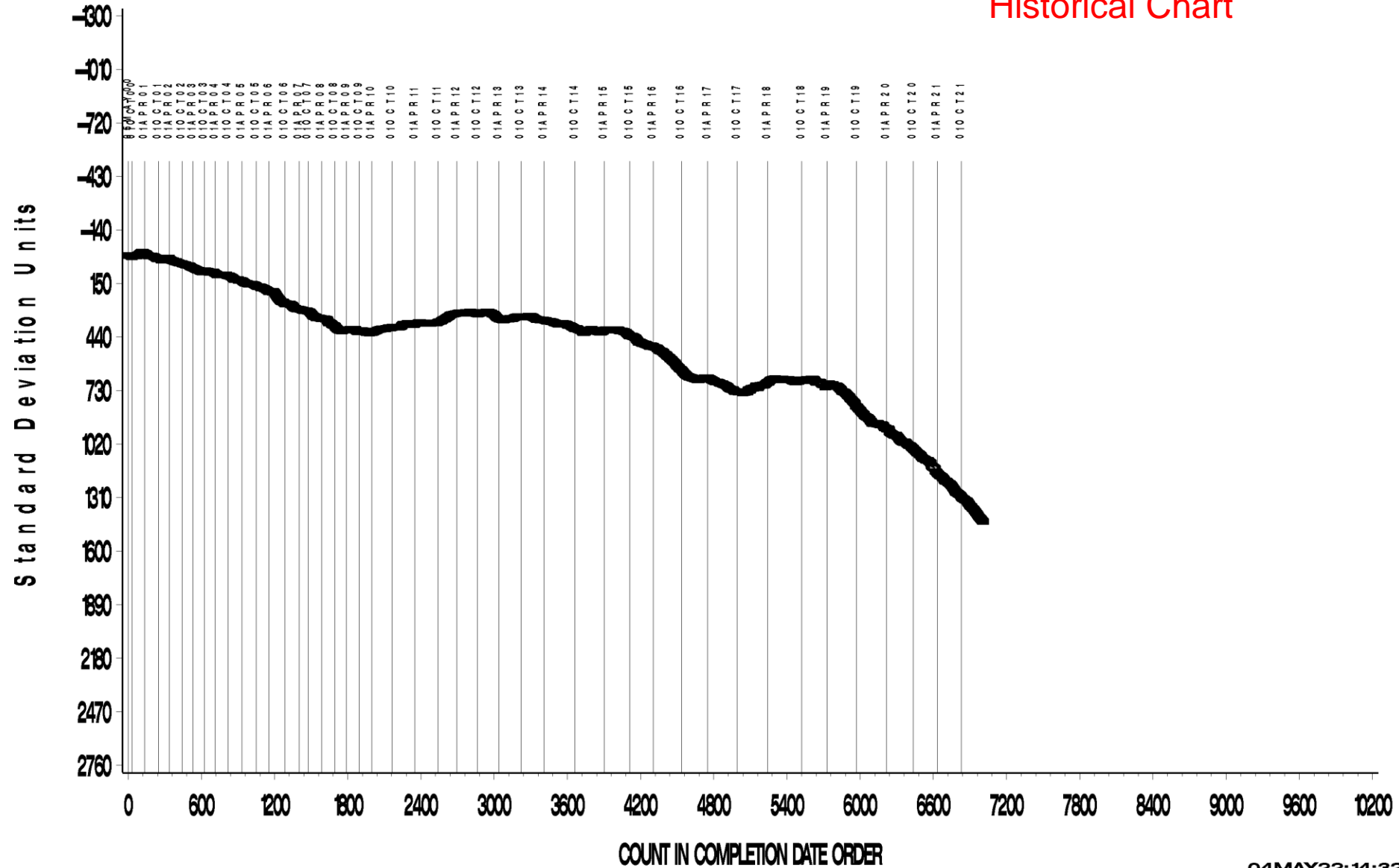


EOWT INDUSTRY OPERATIONALLY VALID DATA
CFA 1.0% Water Treat Rate
20 — 25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

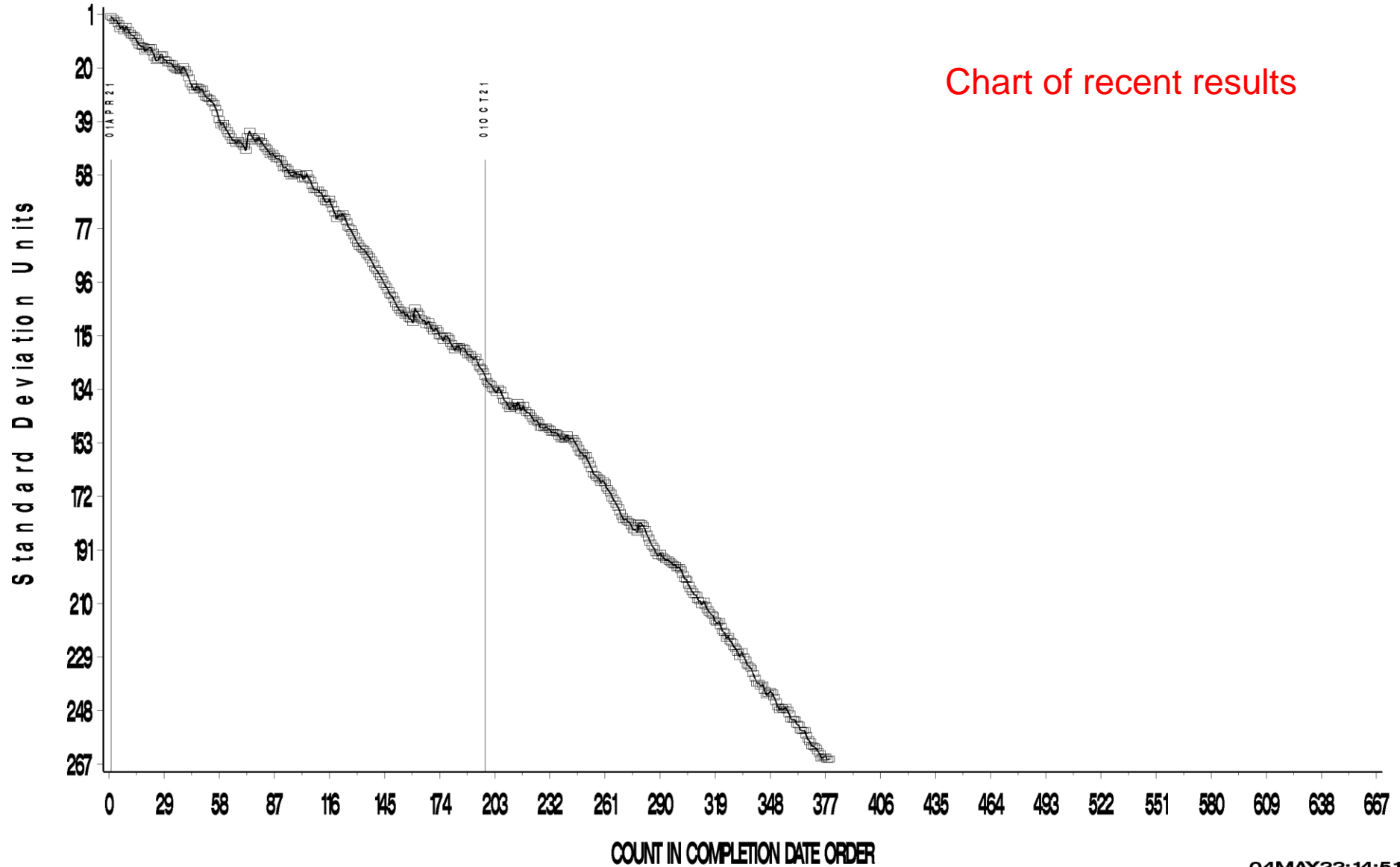
Historical Chart



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CFA 1.0% Water Treat Rate
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CUSUM Severity Analysis

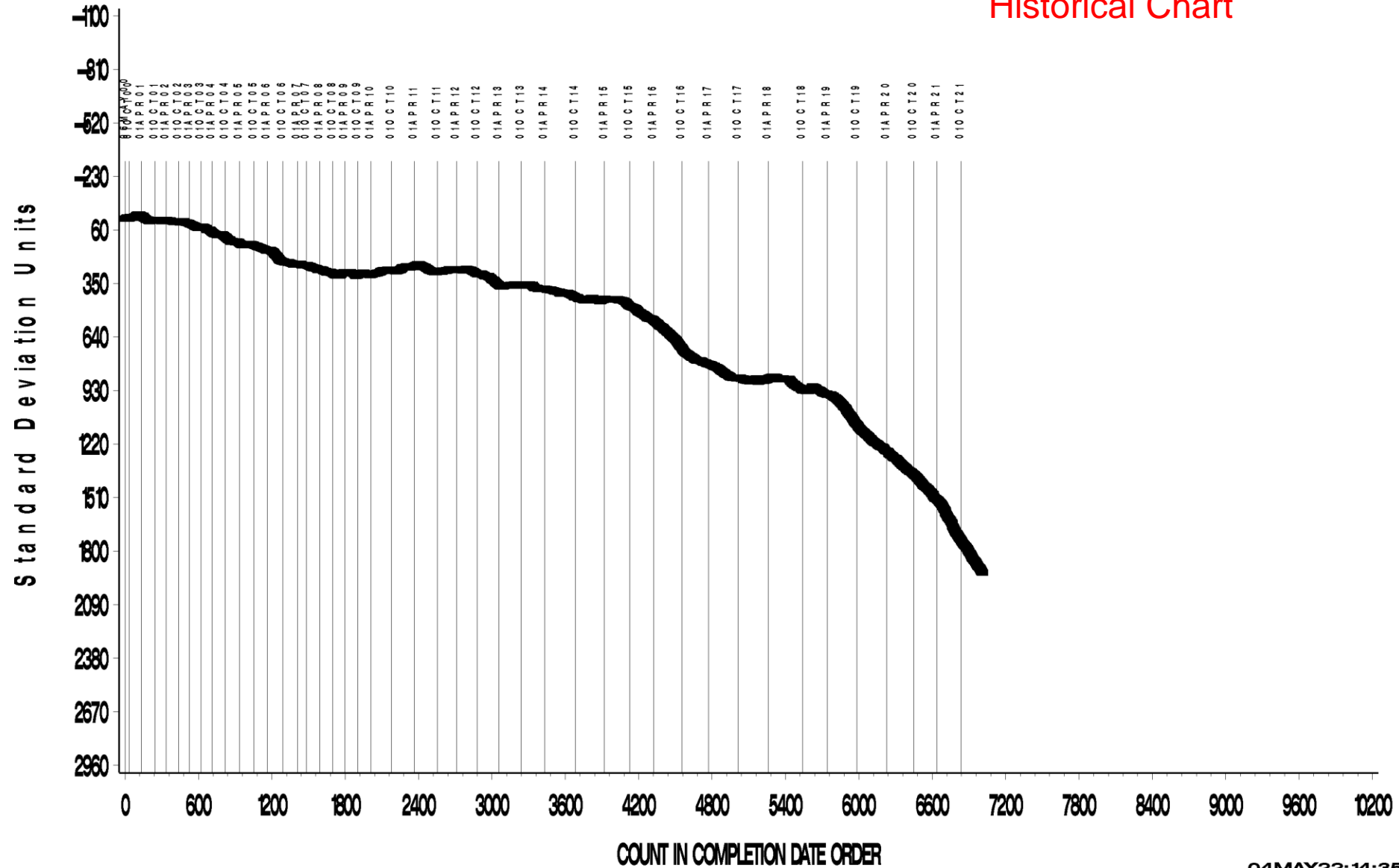


EOWT INDUSTRY OPERATIONAL VALID DATA
CFA 2.0% Water Treat Rate
20 — 25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

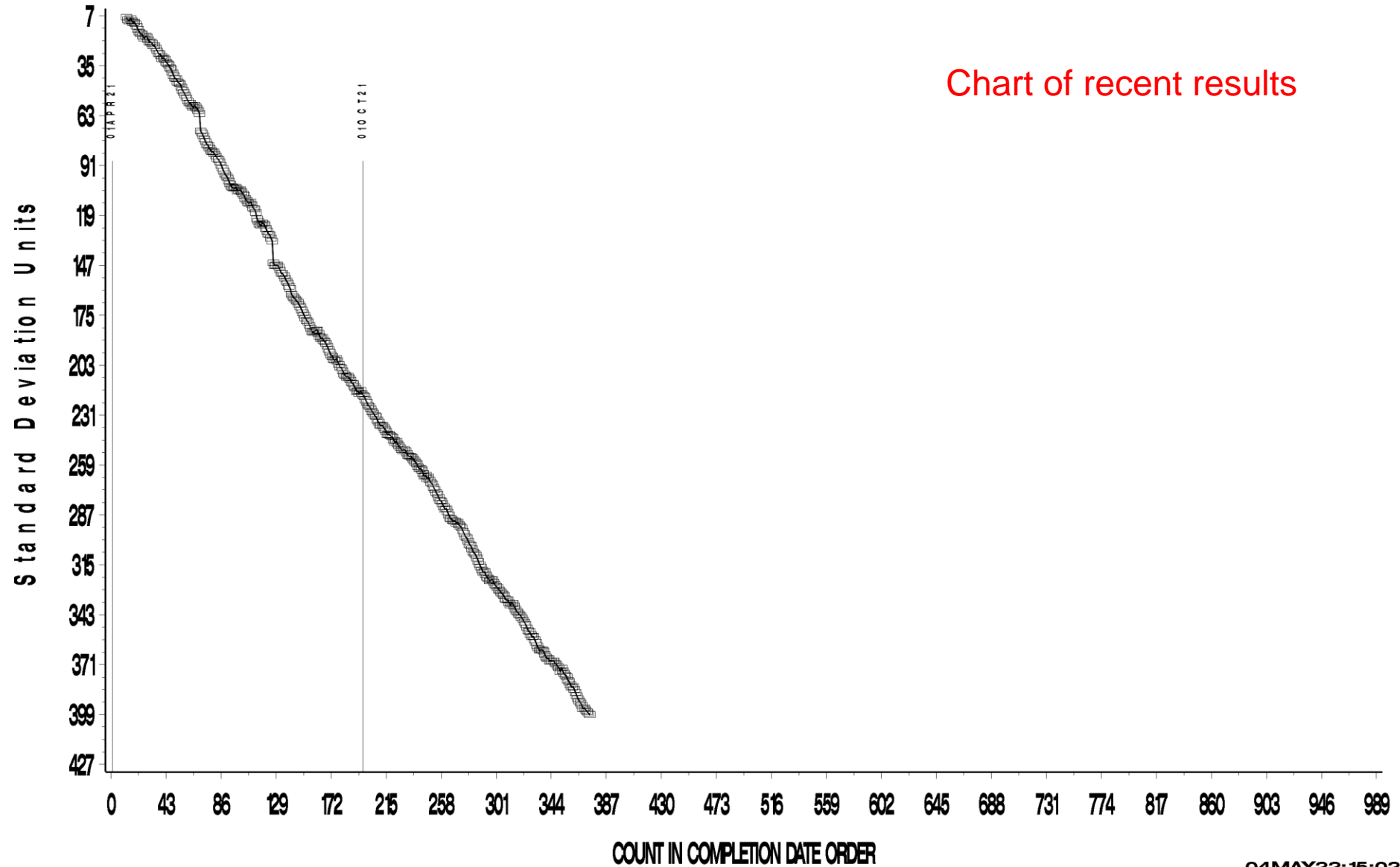
Historical Chart



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CFA 2.0% Water Treat Rate
20 — 25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

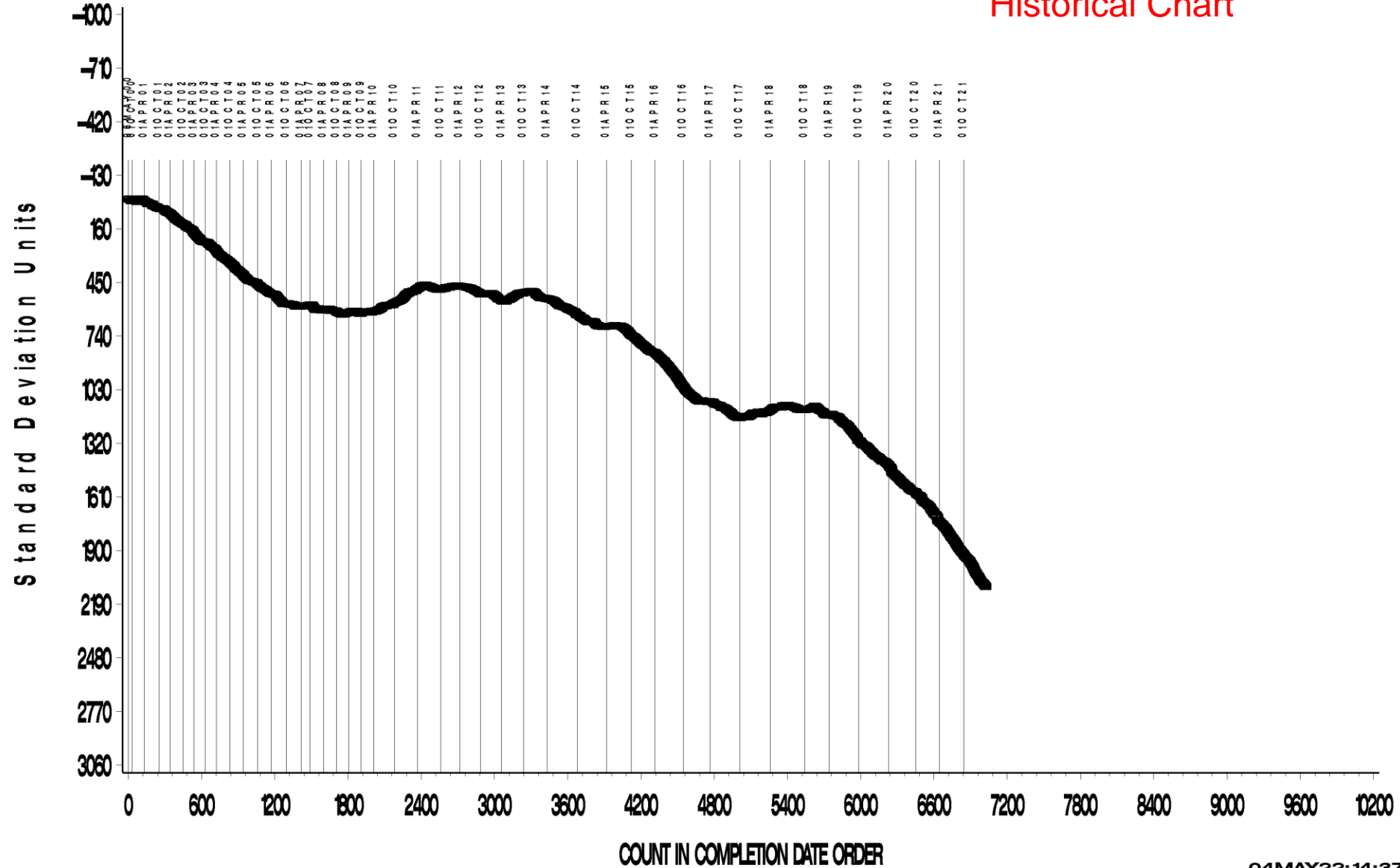


EOWT INDUSTRY OPERATIONALLY VALID DATA
CFA 3.0% Water Treat Rate
20 — 25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis

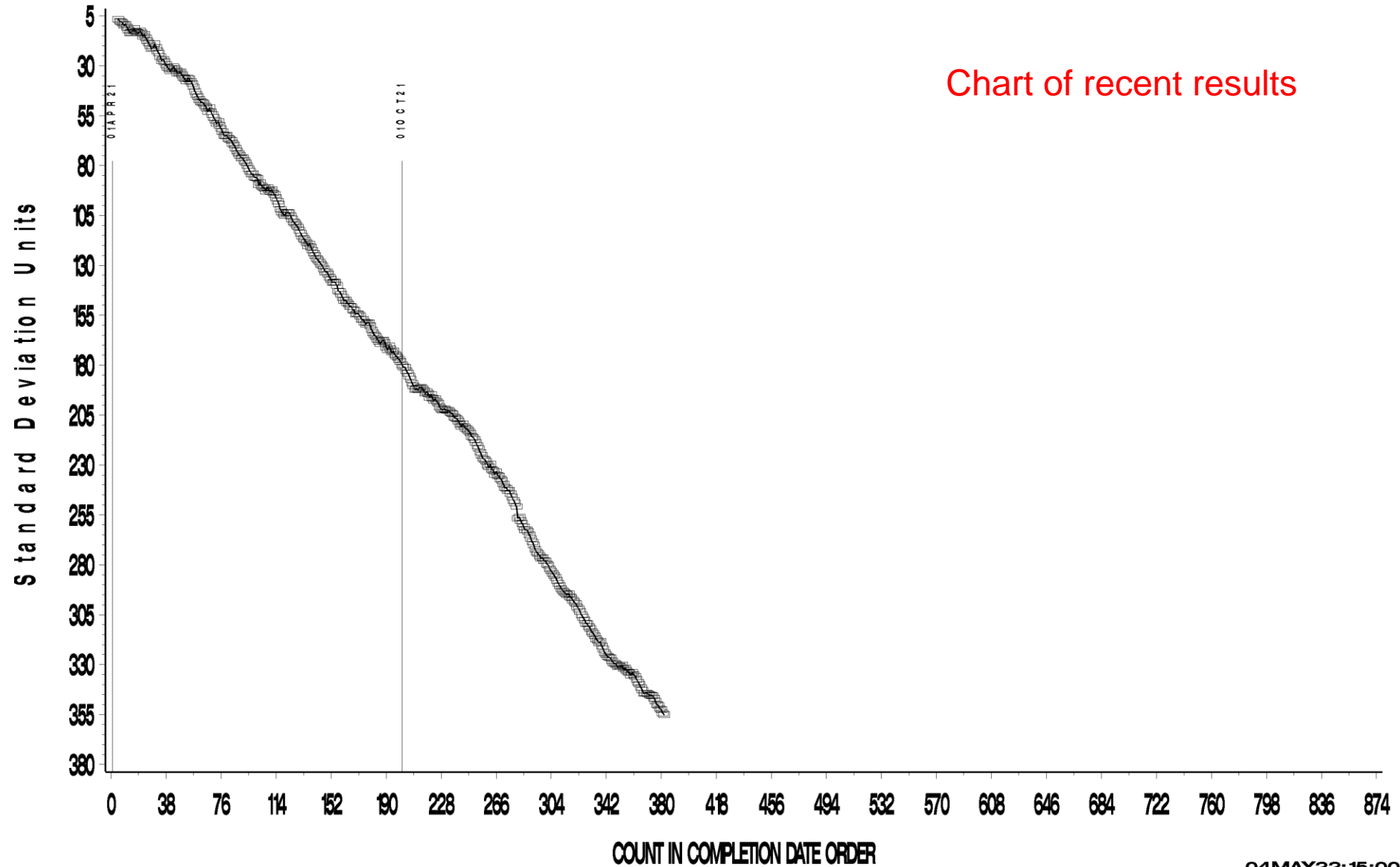
Historical Chart



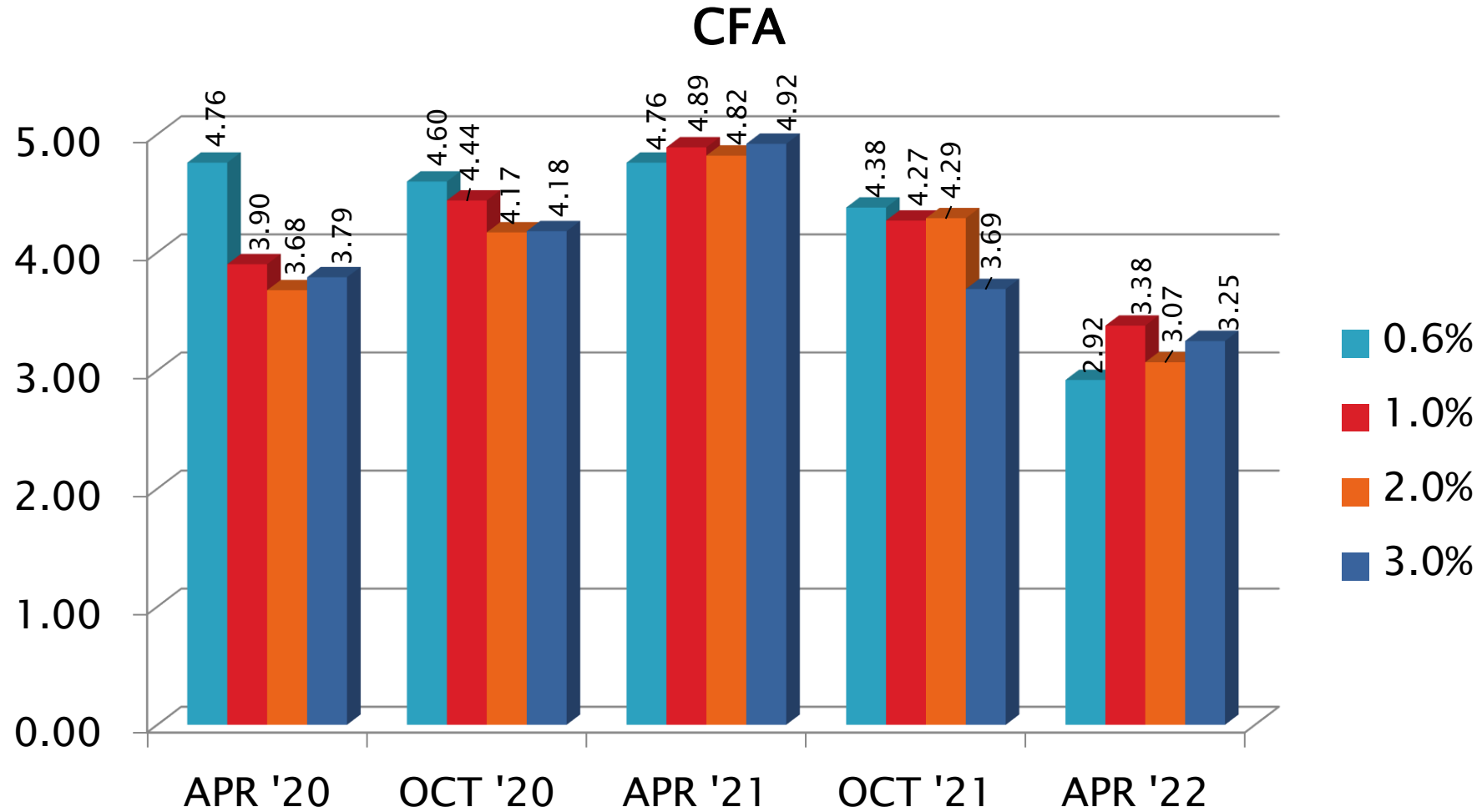
EOWT INDUSTRY OPERATIONALLY VALID DATA
CFA 3.0% Water Treat Rate
20 —25 ML CHANGE IN FLOWRATE AVG.



CUSUM Severity Analysis



EOWT Precision Estimates



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	510.8	31.2	134	5+ years
79	311.0	37.6	132	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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