

Remote Meter Diagnostics (RMD)

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June 2026



Safe Harbor Statements

Forward-Looking Statements

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- statements relating to Cheniere’s capital deployment, including intent, ability, extent, and timing of capital expenditures, debt repayment, dividends, share repurchases and execution on the capital allocation plan;
- statements regarding our future sources of liquidity and cash requirements;
- statements relating to the construction of our proposed liquefaction facilities and natural gas liquefaction trains (“Trains”) and the construction of our pipelines, including statements concerning the engagement of any engineering, procurement and construction (“EPC”) contractor or other contractor and the anticipated terms and provisions of any agreement with any EPC or other contractor, and anticipated costs related thereto;
- statements regarding any agreement to be entered into or performed substantially in the future, including any revenues anticipated to be received and the anticipated timing thereof, and statements regarding the amounts of total LNG regasification, natural gas, liquefaction or storage capacities that are, or may become, subject to contracts;
- statements regarding counterparties to our commercial contracts, construction contracts and other contracts;

- statements regarding our planned development and construction of additional Trains or pipelines, including the financing of such Trains or pipelines;
- statements that our Trains, when completed, will have certain characteristics, including amounts of liquefaction capacities;
- statements regarding our business strategy, our strengths, our business and operation plans or any other plans, forecasts, projections or objectives, including anticipated revenues, capital expenditures, maintenance and operating costs, free cash flow, run rate SG&A estimates, cash flows, EBITDA, Consolidated Adjusted EBITDA, distributable cash flow, distributable cash flow per share and unit, deconsolidated debt outstanding, and deconsolidated contracted EBITDA, any or all of which are subject to change;
- Statements relating to our goals, commitments and strategies in relation to environmental matters;
- statements regarding projections of revenues, expenses, earnings or losses, working capital or other financial items;
- statements regarding legislative, governmental, regulatory, administrative or other public body actions, approvals, requirements, permits, applications, filings, investigations, proceedings or decisions;
- statements regarding our anticipated LNG and natural gas marketing activities; and
- any other statements that relate to non-historical or future information.

These forward-looking statements are often identified by the use of terms and phrases such as “achieve,” “anticipate,” “believe,” “contemplate,” “continue,” “could,” “develop,” “estimate,” “example,” “expect,” “forecast,” “goals,” “guidance,” “intend,” “may,” “opportunities,” “plan,” “potential,” “predict,” “project,” “propose,” “pursue,” “should,” “subject to,” “strategy,” “target,” “will,” and similar terms and phrases, or by use of future tense.

Although we believe that the expectations reflected in these forward-looking statements are reasonable, they do involve assumptions, risks and uncertainties, and these expectations may prove to be incorrect. You should not place undue reliance on these forward-looking statements, which speak only as of the date of this presentation. Our actual results could differ materially from those anticipated in these forward-looking statements as a result of a variety of factors, including those discussed in “Risk Factors” in the Cheniere Energy, Inc. and Cheniere Energy Partners, L.P. Annual Reports on Form 10-K filed with the SEC on February 26, 2026, which are incorporated by reference into this presentation. All forward-looking statements attributable to us or persons acting on our behalf are expressly qualified in their entirety by these “Risk Factors.” These forward-looking statements are made as of the date of this presentation, and other than as required by law, we undertake no obligation to update or revise any forward-looking statement or provide reasons why actual results may differ, whether as a result of new information, future events or otherwise.

Agenda:

- RMD overview
- RMD – system features (and recent updates)
- Key ultrasonic meter diagnostics
- Remote monitoring basics
- Examples of issues

Pipeline & Gas Journal Award

- Cheniere's program was awarded first place in the "Best Advance in Maintenance Technology" category



RMD Program Overview

What is it?

- Uses PI **SK1** ultrasonic meter diagnostic data logging, trending and analysis
- Continuous monitoring and logging of meter diagnostics that can be accessed and analyzed remotely
- Incorporates automated alarms for major issues utilizing diagnostic targets and tolerances along with conditional logic

Slide 5

SK1

Does this audience know what PI is? If not, might suggest spelling out this acronym.

Stephanie Knapik, 2026-05-21T20:22:39.424

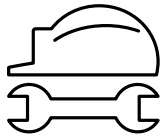
PI Overview

What is it?

- PI is a data logging, trending and analysis product
- Developed by Aveva
- Allows for real time data manipulation and analysis

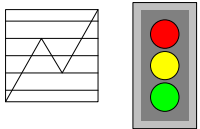
Program Overview

Program purpose:



1. Ensure measurement equipment is operating within tolerance 24/7
 - Real time AGA ^{SK1}889 calculation test
2. Immediate problem identification via real time monitoring
 - Equipment failures
 - Process upsets effecting measurement

Main features:



1. Summary dashboard – all meters' alarm status (green light/red light)
2. Alarm notifications – triggered upon issues
3. Historical trend pages and live values pages for each meter in use

Program value:



1. Minimize LAUF
2. Minimize measurement issues
3. Reduce troubleshooting time and field trips
4. Reduce monthly edits and time to close volume statements

Slide 7

SK1

Throughout there are quite a few acronyms in this presentation. If this audience knows them, then no need to write them out the first time. However if this audience doesn't have a robust knowledge of the subject, you may want to write the full word out the first instance.

Stephanie Knapik, 2026-05-21T22:41:42.106

System Data Flow

FIELD EGM

Ultrasonic Meter



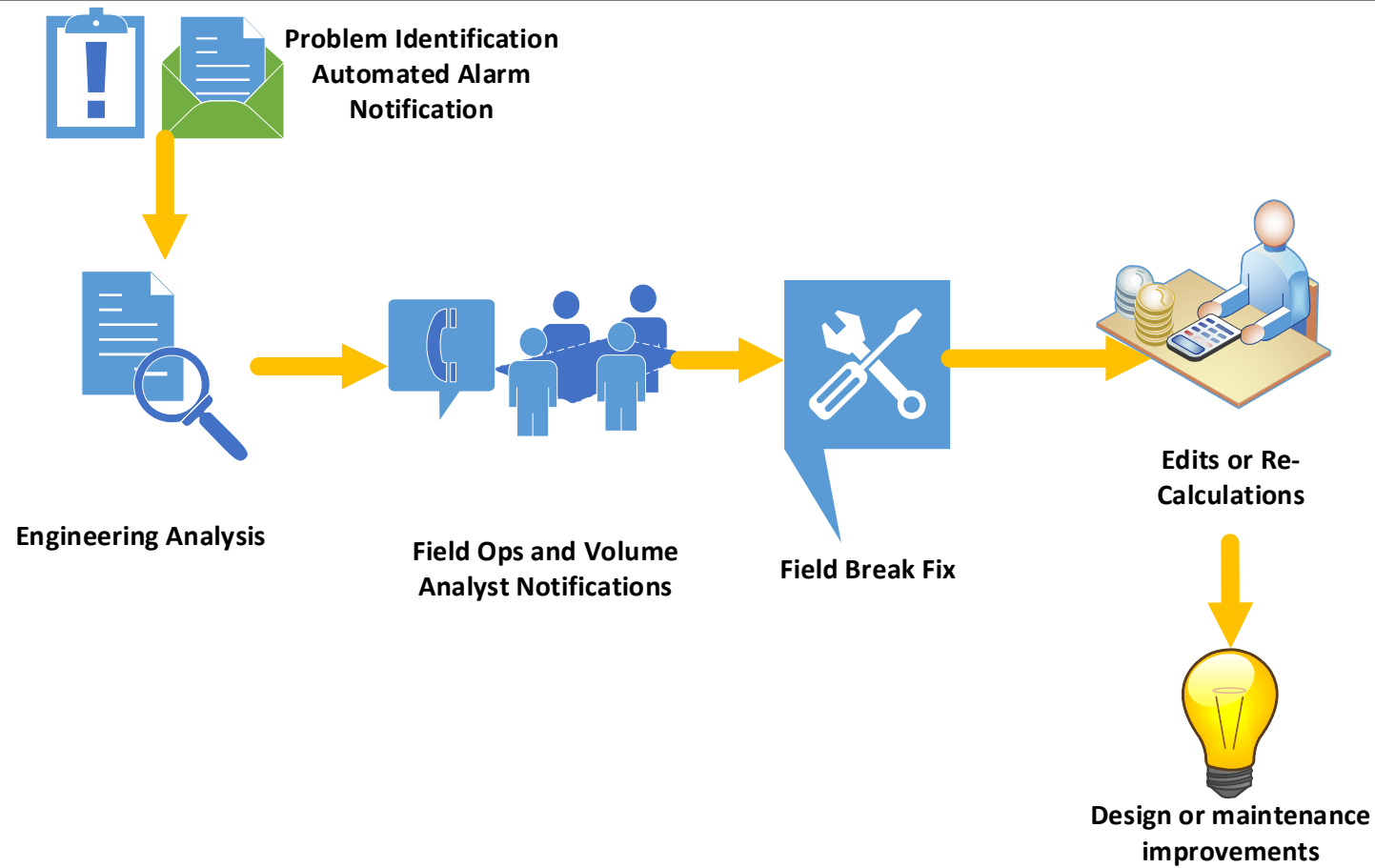
Press, Temp Transmitters



Gas Chromatograph



Process Workflow



System Features (PI Vision)



Dashboard

Pipeline, station, meter
identification info

Key health diagnostics monitored

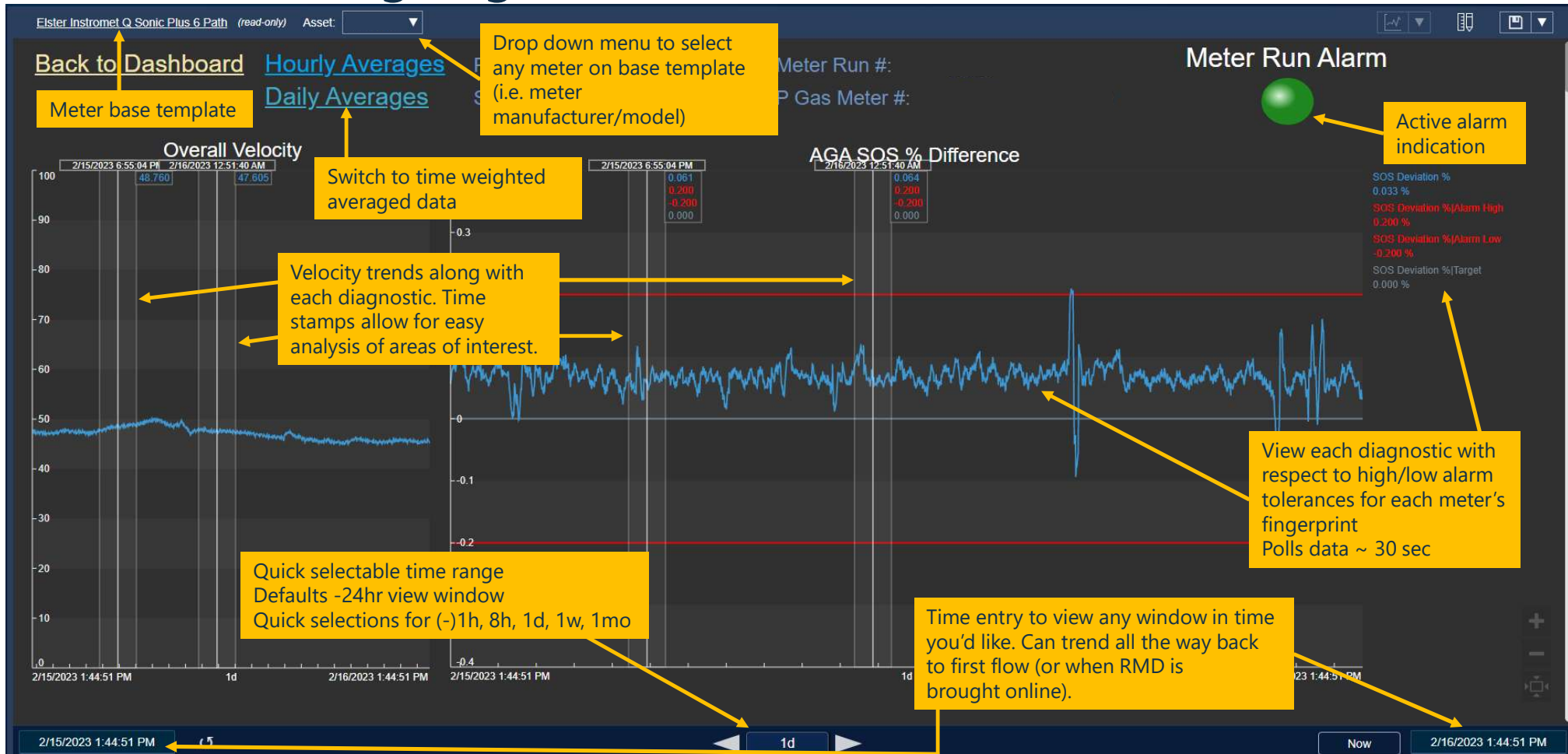
REMOTE METER DIAGNOSTICS MONITORING DASHBOARD																		
Pipeline	Station	Run No.	PI Vision Pages		AGA SOS Deviation %	Max SOS Path Spread %	Profile Factor	Swirl Angle	Overall Velocity	Performance	Turbulence	Gain		Crossflow	Symmetry	Inner Path VOG Ratio	Outer Path VOG Ratio	
												Level	Limit					
														Axial Path Asymmetry	Swirl Path Asymmetry	Axial Path VOG Ratio	Swirl Path VOG Ratio	
Pipeline A	Station 1	Run 1	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
		Run 2	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
		Run 3	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Station 2	Run 1	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
		Run 2	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
		Run 3	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
		Run 4	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
		Run 5	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Station 3	Run 1	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
		Run 2	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
		Run 3	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Station 4	Run 1	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
		Run 2	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
		Run 3	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Pipeline B	Station 5	Run 1	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●
			Run 2	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●
			Run 3	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●
		Station 6	Run 1	Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●
Run 2			Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	
Run 3			Trends	Live Values	●	●	●	●	●	●	●	●	●	●	●	●	●	

Link to diagnostics trends page

Link to live diagnostics page

Red/green light
alarm status

Meter Trending Pages



Meter Trending Pages



Live Values Page

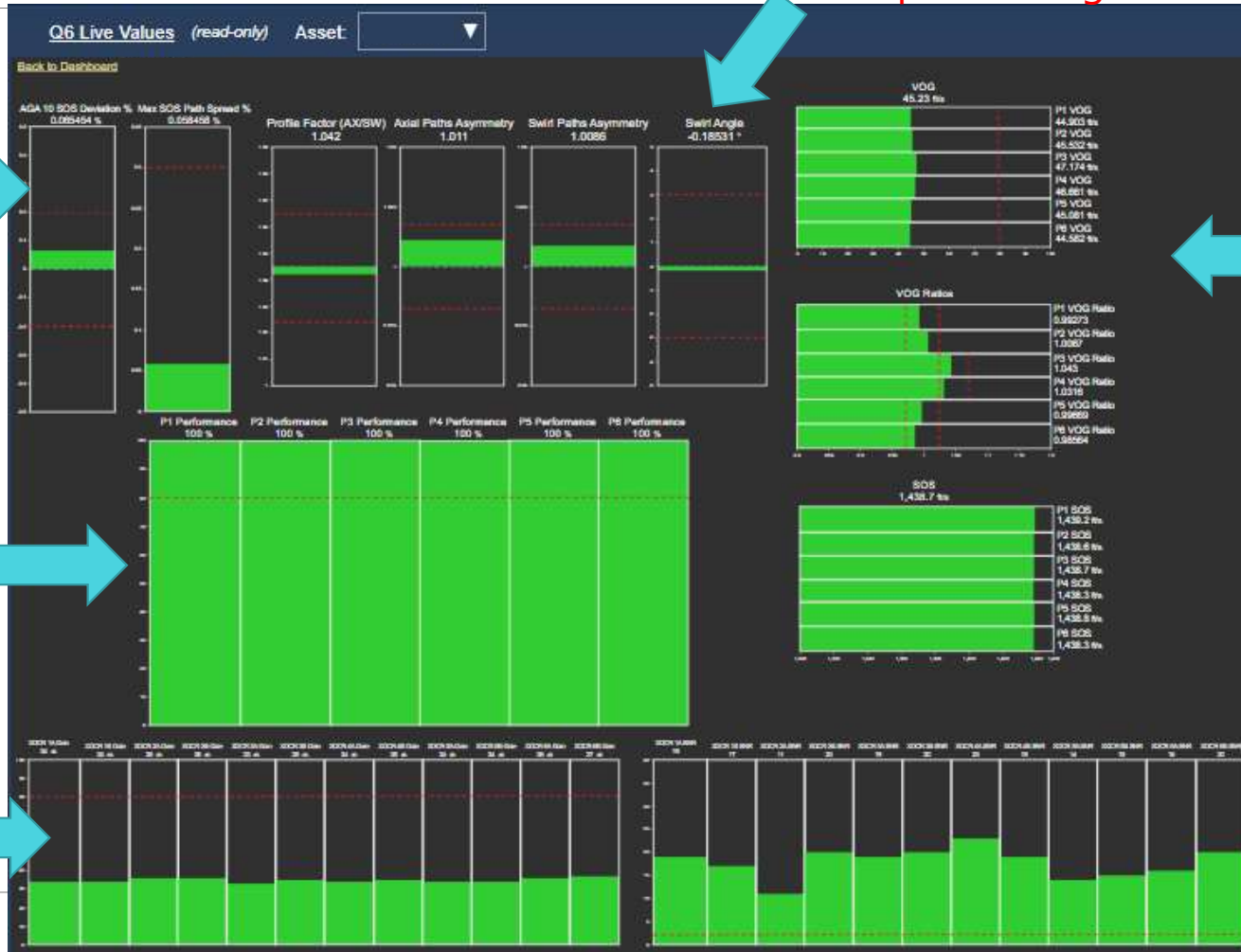
Flow profile diagnostics

AGA SOS
comparisons,
Path to path SOS
comparisons

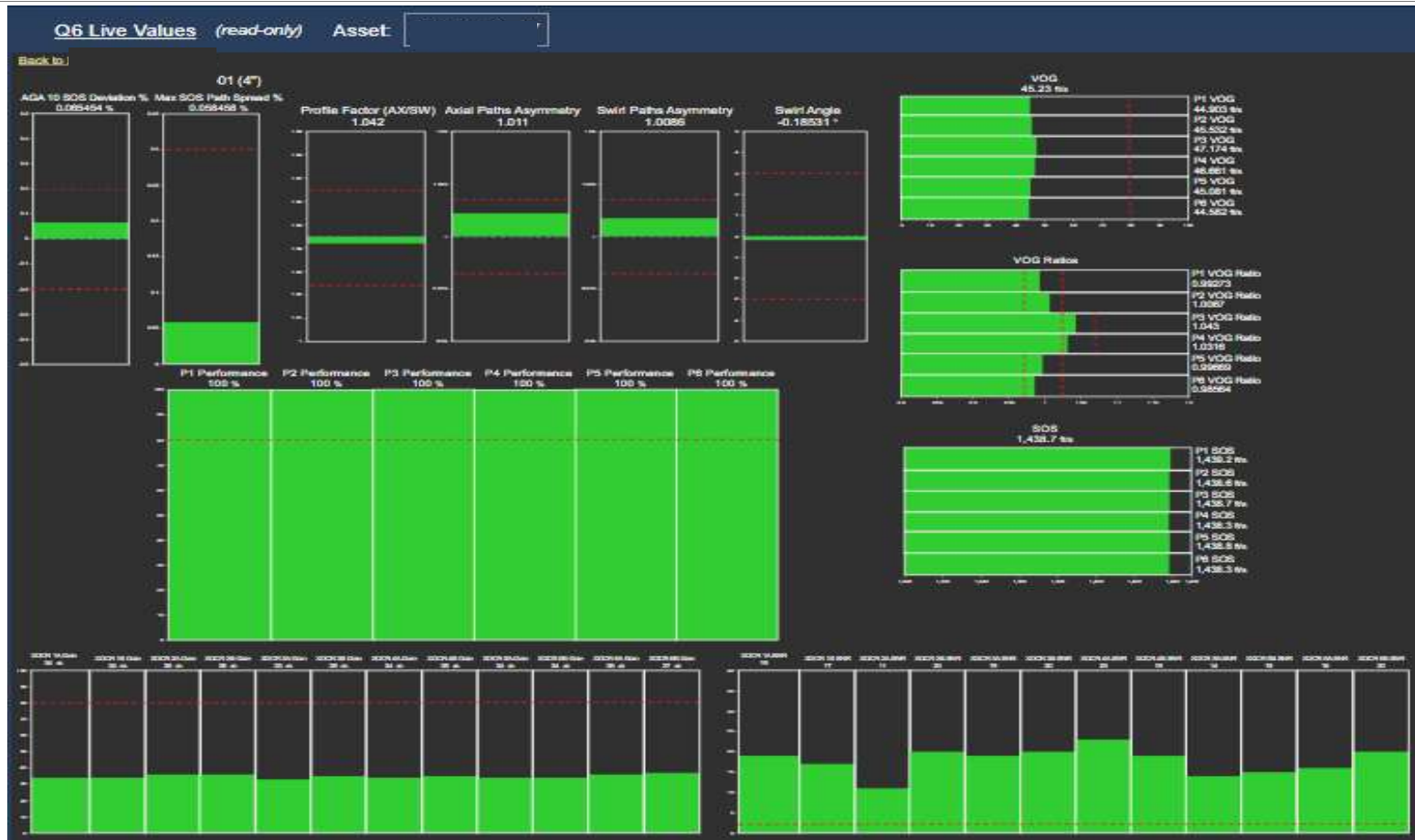
Raw path
VOG/VOG ratios
&
SOS

Path performance

Gains
&
SNR



Live Values Page



Updates to The System

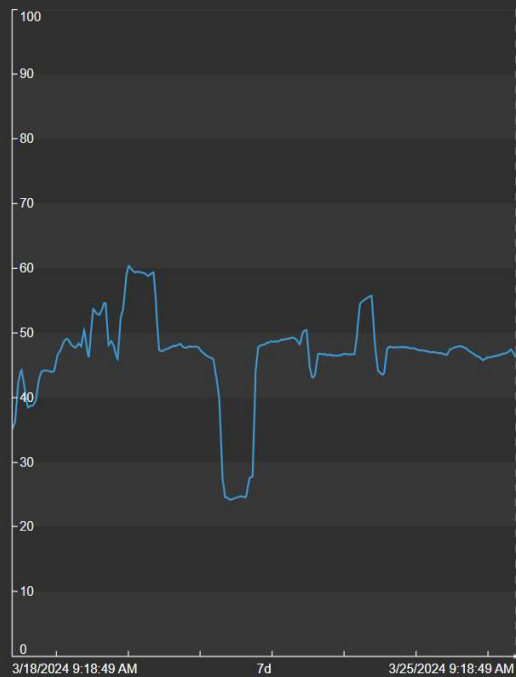
- 1 path vs 4 path comparison (SICK Meters)
- Custody vs check comparisons
- Gas composition trends

1 Path vs. 4 Path Trend

FLWSIC600-Hourly-Averages (read-only) Asset:



Overall Velocity



% Difference - 1Path vs 4Path Actual Flowrate - Hourly Average



1P_V_4P_Perc Diff ACFHJH
0.134 %
1P_V_4P_Perc Diff ACFHJA
1.000 %
1P_V_4P_Perc Diff ACFHJA
-1.000 %

+/- 1% Tolerance

3/18/2024 9:18:49 AM



7d



Now

3/25/2024 9:18:49 AM

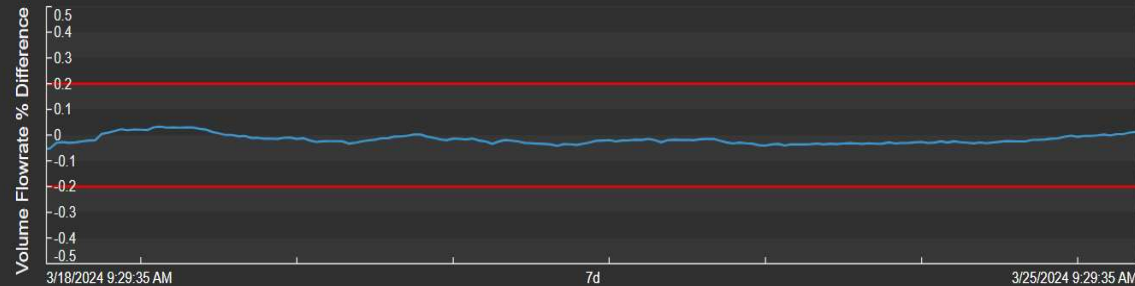
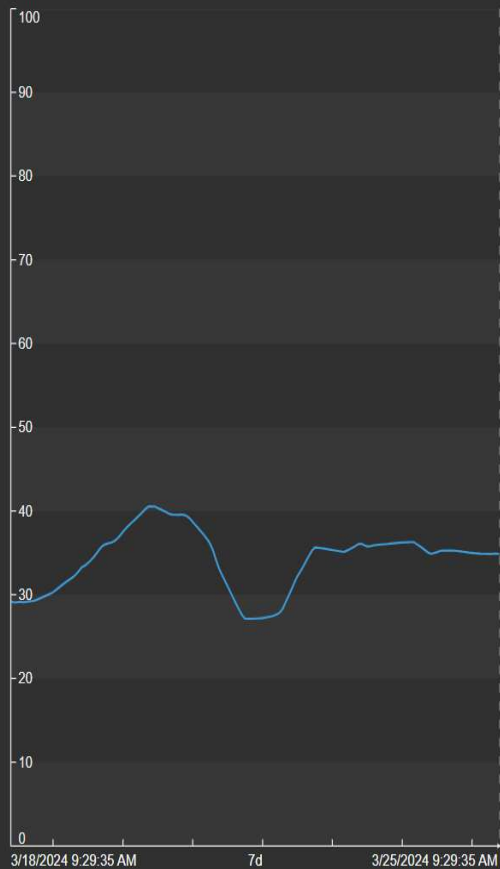
Custody vs. Check Comparison

[Back to Dashboard](#)

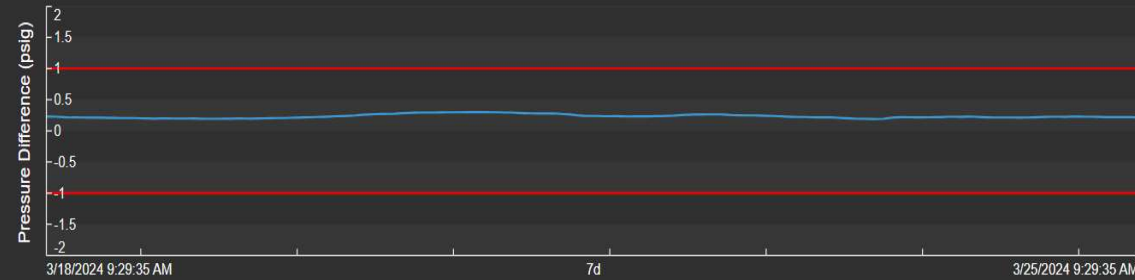
Custody vs Check EGM - Daily Average

[Jump To: Hourly Average](#)

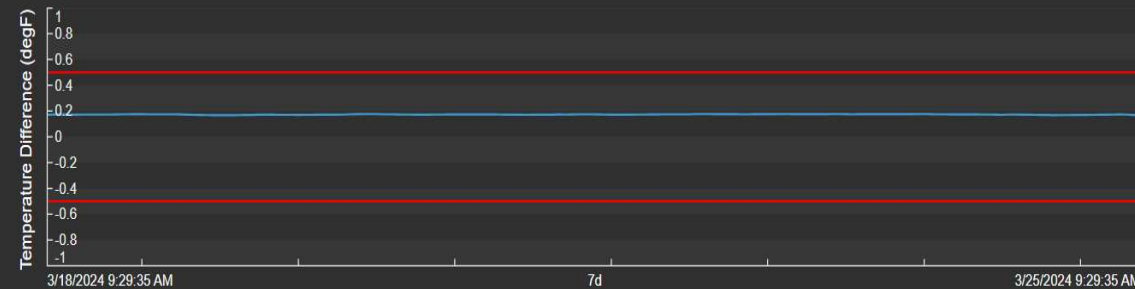
VOG - Daily Averages



Flowrate_3P_PercentDiffDaily Average
0.013 %
Flowrate_3P_PercentDiffAlarm High
0.200 %
Flowrate_3P_PercentDiffAlarm Low
-0.200 %



Pressure_3P_DiffDaily Average
0.215 psig
Pressure_3P_DiffAlarm High
1.000 psig
Pressure_3P_DiffAlarm Low
-1.000 psig



Temperature_3P_DiffDaily Average
0.168 °F
Temperature_3P_DiffAlarm High
0.500 °F
Temperature_3P_DiffAlarm Low
-0.500 °F



Gas Composition Data

Station Gas Components (read-only) Asset:



[Back to Dashboard](#)

[Hourly Averages](#)

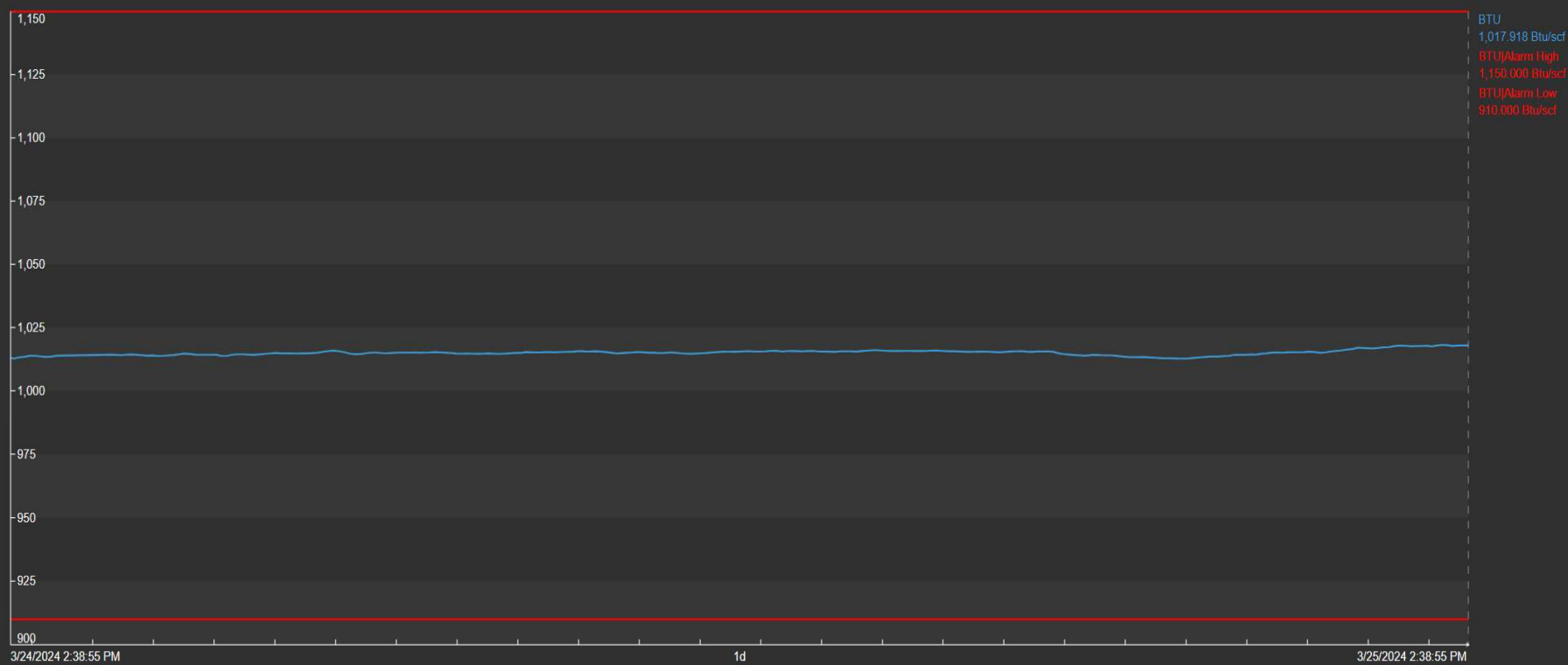
[Daily Averages](#)

Pipeline:

Station:

Station Gas Components

Heating Value (BTU/CF)



USM Diagnostics and Remote Monitoring Basics



Basics of Key USM Diagnostics

Key USM diagnostics

- AGA SOS deviation
 - Percent difference between the overall meter SOS and your AGA calculated SOS
 - Can indicate USM, GC, P/T Transmitter issues
- Max path SOS spread
 - Percent difference between the min and max values of any given transducer's SOS reading
 - Can indicate issues with Meter Transducers including Bad Transducers and Improper Installation

Basics of Key USM Diagnostics (Cont...)

Key USM diagnostics

- Profile factor
 - Different depending on meter type but in general these are ratios of inner raw path velocities divided by outer raw path velocities or vice versa
 - Useful for indicating blockages and buildup
- VOG ratios
 - Typically defined as raw path velocity divided by overall corrected velocity
 - Useful for indicating what part of pipe blockages and buildup are affecting, as **SK1** as individual path performance issues

Slide 22

SK1 Is the an or and? Maybe the sentence needs to be reworded.
Stephanie Knapik, 2026-05-21T22:35:50.396

Basics of Key USM Diagnostics (Cont...)

Key USM diagnostics

- Performance (acceptance rate)
 - Defined by: (Number of accepted signals/number of signals sent)
 - Useful for indicating buildup, mis-detection or transducer failure
- Gains and SNR
 - Gains: Amplitude needed to get the ultrasonic sound sent between transducers (the lower the better)
 - Signal to Noise Ratio (SNR): Ratio between the expected signal over the amount of noise interfering with that signal (the higher the better)
 - Both are useful for identifying any issues involving signal integrity. Electronics issues, gas quality issues (P and T mostly), buildup, etc.

Flow Calibration and Meter Fingerprints

Example calibration points:

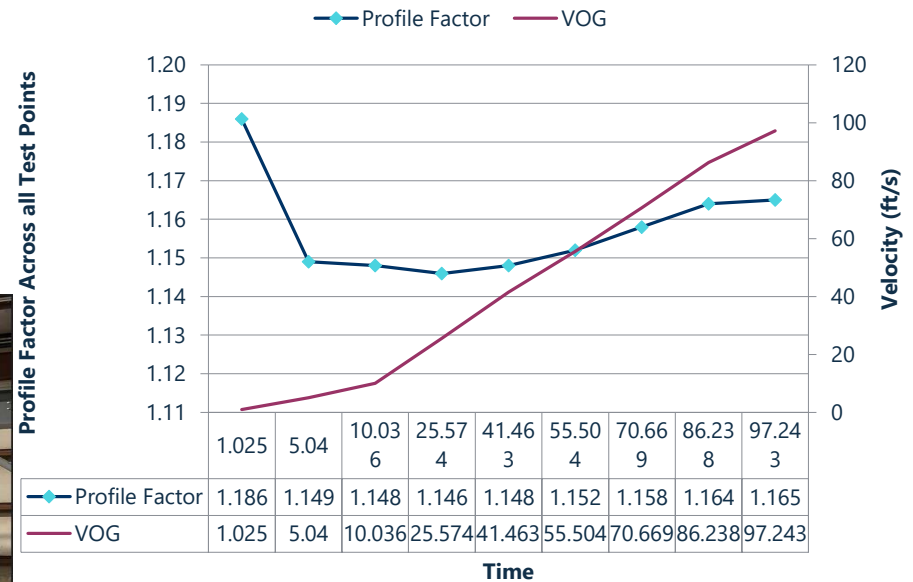
- 100, 70, 50, 25, 10, 5, 2.5fps as found
- 70, 45, 10 as left

Meter fingerprint

Flow calibration → Baseline fingerprint → Targets & tolerances



Profile Factor vs Velocity



Remote Diagnostic Monitoring Basics

Targets and tolerances

- Start with flow calibration and/or manufacturer recommendations
- With enough historical data, can transition to field fingerprinted targets and tolerances

Alarm logic

- Conditional logic suffices for most alarms (if this, then that)
- Need to ensure a balance of alarming too little vs. too much
 - Includes false alarms filters
 - Ensure proper targets and tolerances via meter fingerprints
- Alarms don't catch everything
 - Important to have trained/experienced personnel analyzing the diagnostics
 - Alarm logic coupled with analysis allows for quick and efficient diagnosis of issues

RMD Example Problems Found



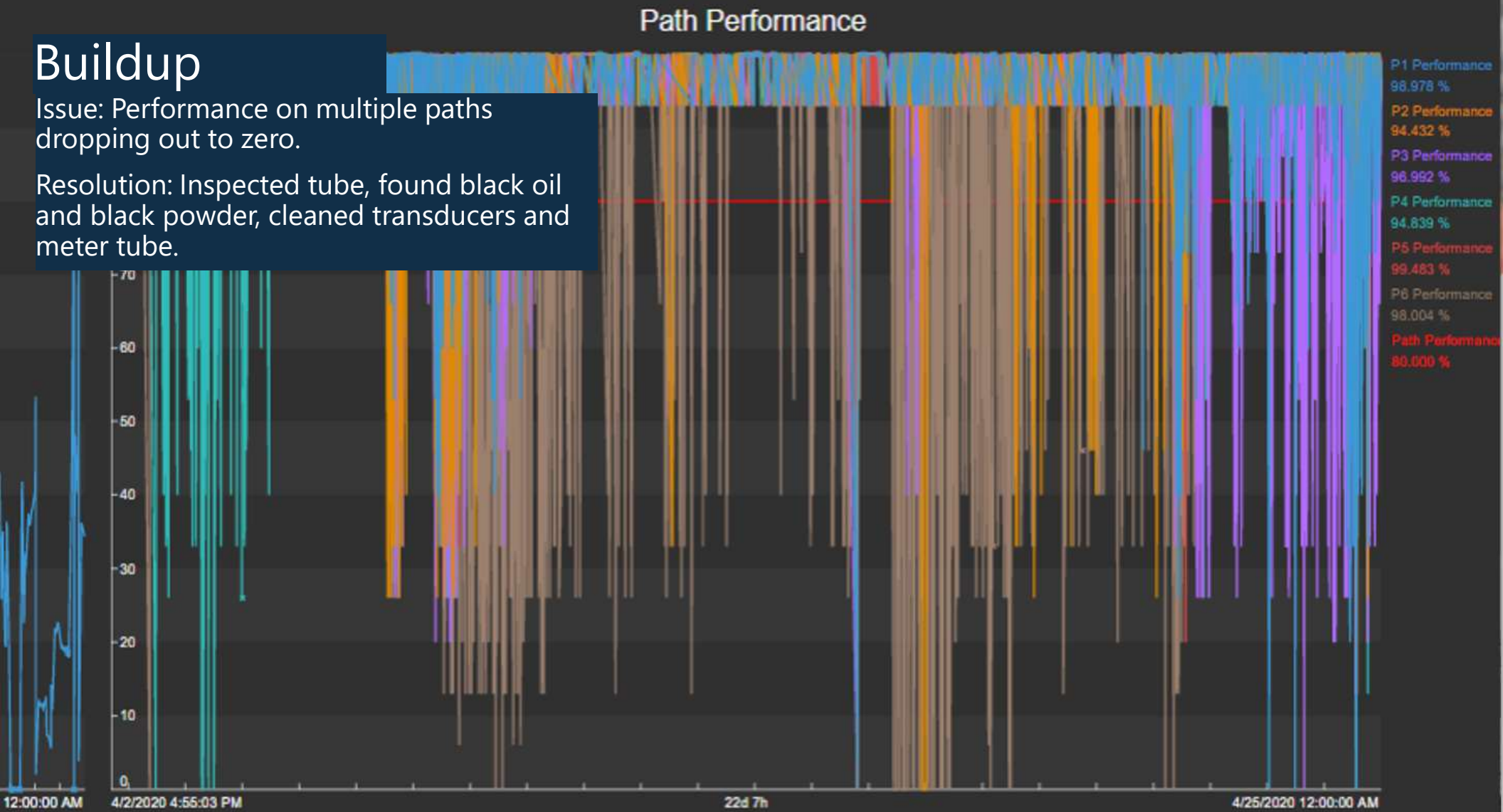
Path Performance



Buildup

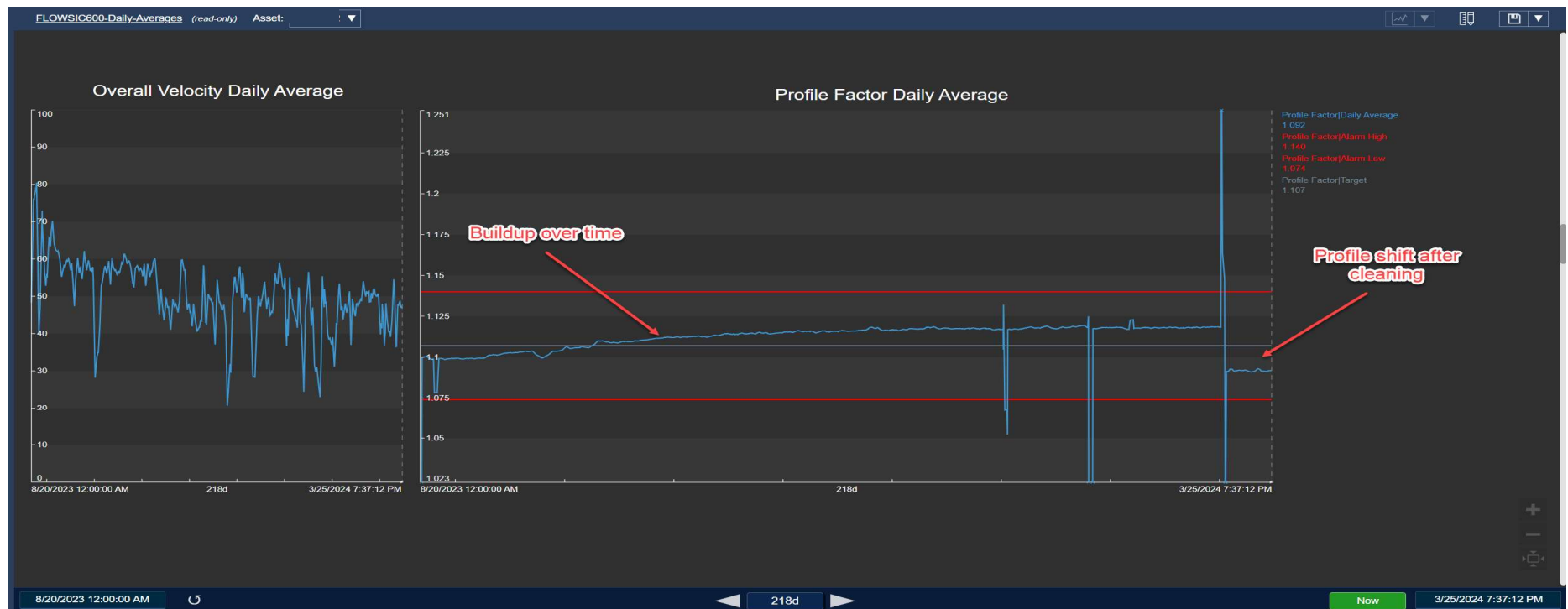
Issue: Performance on multiple paths dropping out to zero.

Resolution: Inspected tube, found black oil and black powder, cleaned transducers and meter tube.



Buildup

Profile was stable since a recalibration in 2023. Over the course of about seven months, an increase in the profile factor (profile more pointed) lead to meter tube cleaning.



Temperature Transmitters Out of Tolerance

AGA SOS deviation % sitting at about 0.2% high.

Either a meter SOS issue, a GC issue, or a pressure/ temperature transmitter issue.

Max SOS spread between paths was in tolerance and meter SOS agrees with other parallel runs so assumed issue was not the meter.

Suspected it was temperature transmitters because temp has much bigger impact than pressure on calculated SOS and AGA SOS difference was stable but could have also been a GC issue.

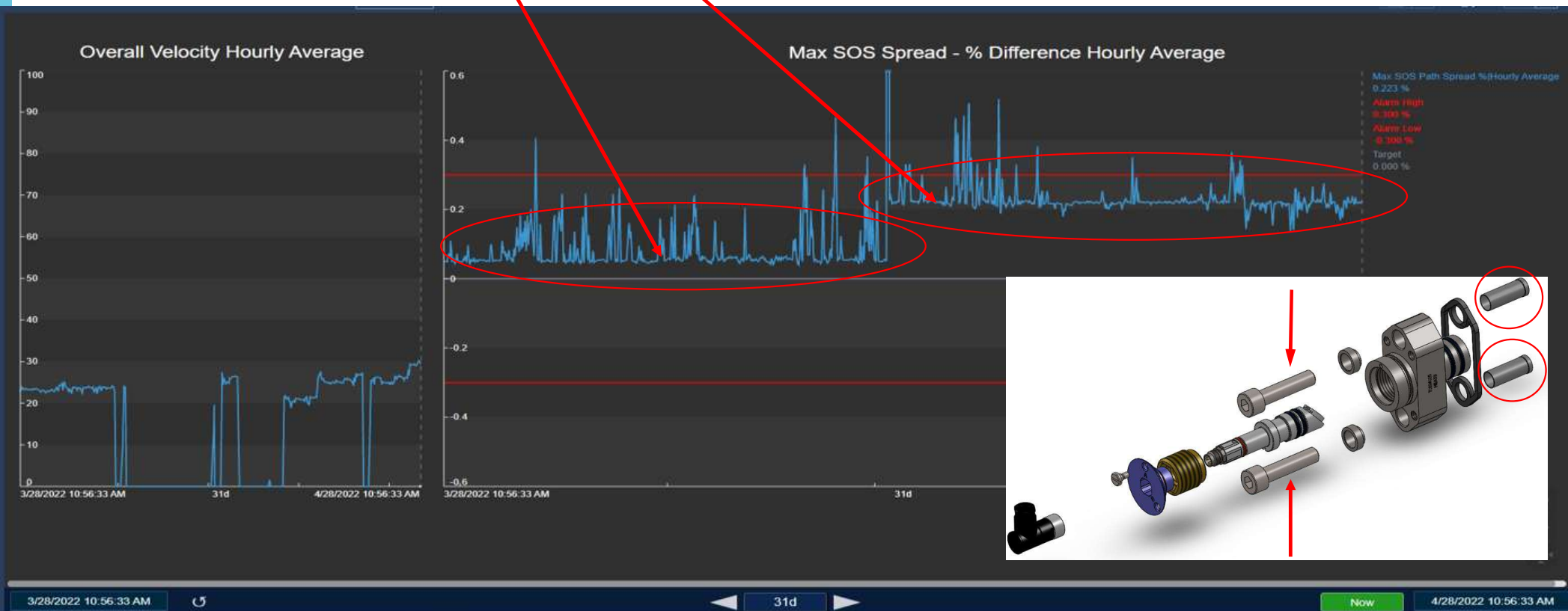
Temperature transmitters checked, found to be just 0.5 deg F off. Calibrated transmitter. Back in tolerance.



Improper Transducer Installation

Max SOS spread shifted after transducer inspection

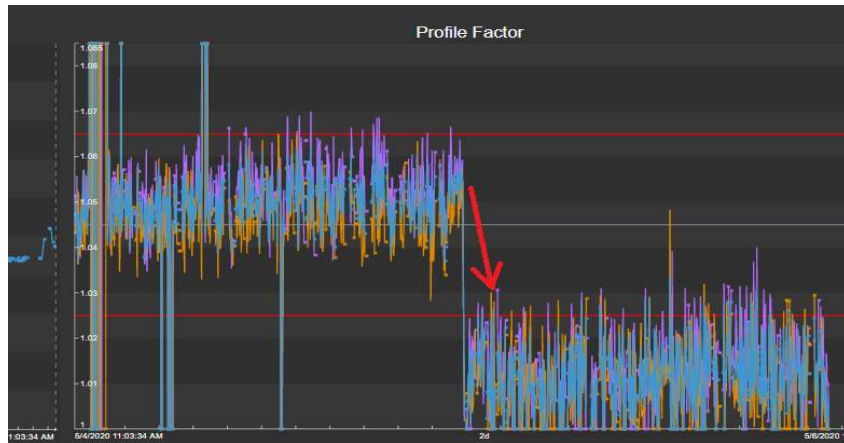
Reason: Bracket was over torqued, and rivets were made shorter, causing the physical distance between transducers to become shorter and the SOS between paths to deviate.



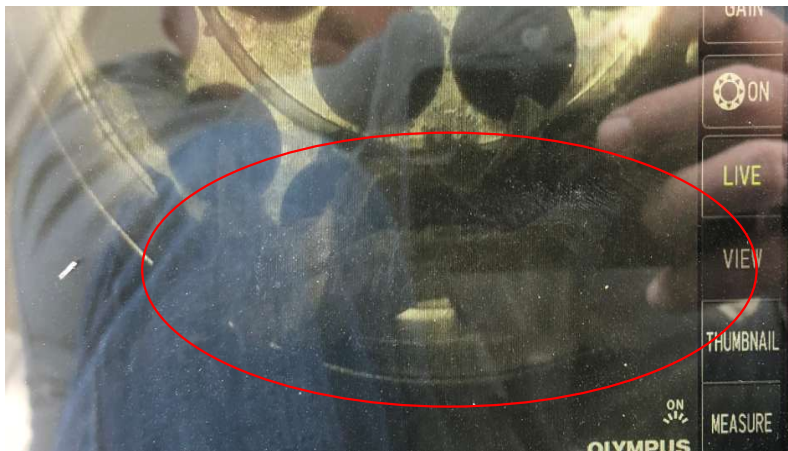
Chromatograph Contamination



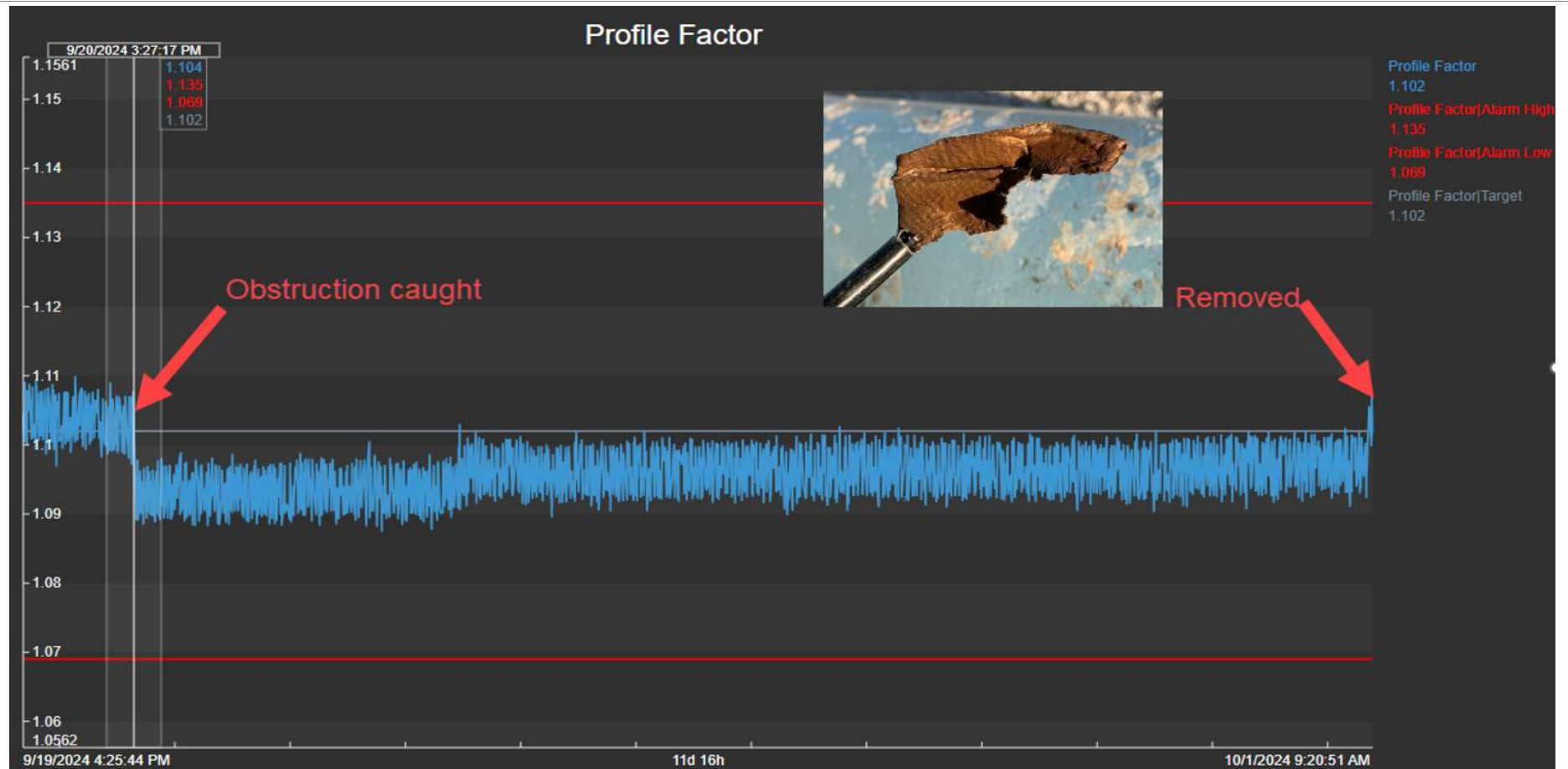
Blockage



Issue: Abrupt change in flow profile, blockage found in meter flow conditioner



Blockage



Buildup (1 Path vs 4 Path)



Thank you

Questions?