

The logo for North Carolina State University, featuring the words "NC STATE" in white, bold, sans-serif capital letters on a red rectangular background.

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C3PO analysis/viz

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Tue, Oct 14, 2025 at 1:22 PM

To: "Bresnahan, Philip J." <bresnahanp@uncw.edu>

Cc: Natalie Nelson <nnelson4@ncsu.edu>, Katherine Anarde <kanarde@ncsu.edu>

RE: specific conductivity versus conductivity:

I thought we had been measuring regular conductivity based on some long ago conversation. I just called Atlas Tech Support to double check and this is what he said:

"So unless you tell the little green conductivity circuit board a temperature, it will default to 25 C, which means no adjustment. Basically, whatever the reading is gets multiplied by one; whenever you change the temperature, that's when the coefficient changes and it kicks in. Therefore, it sounds like your values are not temperature compensated."

So because we've never told the green board any temperature, it sounds like it's non-temperature-compensated regular conductivity.

Best wishes,

Liz Farquhar
Research Specialist | NC State University
Civil, Construction, and Environmental Engineering

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