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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 07-Sep-24

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.013296e+000
h = 1.722218e-001
i = -5.157670e-004
j = 6.855990e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 8.2248e-007

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2431.61	0.00000	0.00000
1.0000	34.5831	2.95792	4814.47	2.95793	0.00000
4.5000	34.5621	3.26309	4995.63	3.26309	-0.00000
14.9999	34.5187	4.23894	5534.61	4.23893	-0.00001
18.4999	34.5095	4.58203	5711.79	4.58203	0.00001
23.9999	34.4996	5.13669	5986.86	5.13669	0.00000
29.0000	34.4946	5.65553	6232.88	5.65553	-0.00000
32.5000	34.4928	6.02592	6402.59	6.02601	0.00009

$f = \text{Instrument Output(Hz)} * \text{sqrt}(1.0 + \text{WBOTC} * t) / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

