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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 04-Sep-24

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

COEFFICIENTS:

g = -2.263074e+000
h = 4.178320e-001
i = -5.952323e-002
j = 4.025505e-003

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	2835.86	0.00005	0.00005
0.9999	34.6062	2.95970	4823.55	2.95746	-0.00225
4.5000	34.5853	3.26507	5005.29	3.26737	0.00230
14.9999	34.5416	4.24145	5545.90	4.24296	0.00150
18.4999	34.5324	4.58474	5723.59	4.58409	-0.00065
24.0000	34.5224	5.13972	5999.44	5.13748	-0.00223
29.0000	34.5173	5.65883	6246.14	5.66011	0.00128
32.5000	34.5147	6.02932	6416.25	6.03762	0.00830

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

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

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

$\text{Residual (Siemens/meter)} = \text{instrument conductivity} - \text{bath conductivity}$

