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SENSOR SERIAL NUMBER: 16238
CALIBRATION DATE: 17-Mar-25

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

COEFFICIENTS:

g = -9.915745e-001
h = 1.235507e-001
i = 6.416901e-006
j = 1.610681e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -5.8863e-008

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	2831.27	0.00000	0.00000
1.0008	34.7873	2.97379	5652.67	2.97379	-0.00000
4.5000	34.7675	3.28057	5866.31	3.28057	-0.00000
15.0000	34.7297	4.26211	6502.07	4.26211	-0.00000
18.5000	34.7222	4.60723	6711.05	4.60725	0.00002
24.0000	34.7145	5.16515	7035.44	5.16515	-0.00001
29.0000	34.7110	5.68701	7325.56	5.68700	-0.00001
32.5000	34.7095	6.05947	7525.63	6.05948	0.00001

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

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

