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SENSOR SERIAL NUMBER: 0037
CALIBRATION DATE: 31-Oct-23

SBE 49 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.008921e+000
h = 1.425819e-001
i = -2.958474e-004
j = 4.563887e-005

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

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	2664.43	0.0000	0.00000
1.0000	33.8431	2.90057	5241.82	2.9006	0.00002
4.4999	33.8302	3.20068	5438.57	3.2007	-0.00002
15.0000	33.8065	4.16061	6024.11	4.1606	-0.00003
18.4999	33.8027	4.49814	6216.61	4.4981	0.00000
24.0000	33.7999	5.04384	6515.46	5.0439	0.00004
29.0000	33.7989	5.55410	6782.58	5.5541	-0.00001
32.5000	33.7967	5.91793	6966.60	5.9179	-0.00000

f = Instrument Output (Hz) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = 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

