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SENSOR SERIAL NUMBER: 2822
CALIBRATION DATE: 23-Jan-24

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.01783492e+001
h = 1.38737815e+000
i = -1.31115251e-003
j = 1.69169787e-004

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.71084	0.00000	0.00000
-1.0000	34.6799	2.79461	5.24631	2.79464	0.00003
1.0000	34.6809	2.96549	5.36246	2.96546	-0.00003
15.0000	34.6797	4.25663	6.16963	4.25663	0.00001
18.5000	34.6785	4.60206	6.36811	4.60206	-0.00000
29.0000	34.6738	5.68160	6.95162	5.68160	-0.00000
32.4999	34.6726	6.05375	7.14076	6.05206	-0.00169

f = Instrument Output (kHz)

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

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \epsilon * p)$

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

