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SENSOR SERIAL NUMBER: 0638
CALIBRATION DATE: 31-Jul-25

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

COEFFICIENTS:

g = -4.04092512e+00
h = 4.29584360e-01
i = -2.62562871e-04
j = 4.28069628e-05

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	3.06845	0.00000	0.00000
-1.0000	34.9289	2.81280	8.64424	2.81284	0.00004
1.0000	34.9303	2.98478	8.87108	2.98474	-0.00004
15.0000	34.9297	4.28405	10.42365	4.28404	-0.00001
18.4999	34.9291	4.63170	10.80027	4.63172	0.00001
29.0000	34.9237	5.71792	11.89770	5.71792	-0.00000
32.4999	34.9132	6.09096	12.25076	6.09066	-0.00030

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

