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SENSOR SERIAL NUMBER: 2272
CALIBRATION DATE: 31-Jul-25

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

COEFFICIENTS:

g = -1.02619495e+01
h = 1.38129121e+00
i = -2.74149046e-03
j = 2.61752927e-04

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	2.73114	0.00000	0.00000
-1.0000	34.9289	2.81280	5.28564	2.81282	0.00002
1.0000	34.9303	2.98478	5.40271	2.98476	-0.00002
15.0000	34.9297	4.28405	6.21606	4.28406	0.00001
18.4999	34.9291	4.63170	6.41607	4.63169	-0.00002
29.0000	34.9237	5.71792	7.00391	5.71795	0.00003
32.4999	34.9132	6.09096	7.19453	6.09094	-0.00002

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

