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SENSOR SERIAL NUMBER: 0501
CALIBRATION DATE: 30-Jul-25

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

COEFFICIENTS:

g = -4.03084986e+00
h = 4.31314817e-01
i = -3.33899540e-06
j = 1.83489581e-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	3.05647	0.00000	0.00000
-1.0001	34.4176	2.77542	8.57135	2.77541	-0.00002
0.9999	34.4191	2.94522	8.79666	2.94523	0.00001
15.0000	34.4194	4.22804	10.33926	4.22808	0.00004
18.4999	34.4198	4.57140	10.71389	4.57136	-0.00004
28.9998	34.4142	5.64380	11.80657	5.64381	0.00001
32.5000	34.4012	6.01173	12.15858	6.01195	0.00022

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

