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SENSOR SERIAL NUMBER: 1346
CALIBRATION DATE: 13-Sep-23

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

COEFFICIENTS:

g = -4.18083642e+000
h = 5.50431429e-001
i = 1.31803041e-004
j = 2.68017320e-005

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	2.75459	0.00000	0.00000
-1.0001	34.5531	2.78533	7.61112	2.78533	-0.00000
1.0000	34.5546	2.95572	7.81017	2.95572	0.00000
15.0000	34.5572	4.24318	9.17376	4.24318	0.00000
18.5000	34.5578	4.58776	9.50505	4.58776	-0.00000
29.0000	34.5544	5.66423	10.47140	5.66423	0.00000
32.5001	34.5427	6.03366	10.78266	6.03366	0.00000

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

