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SENSOR SERIAL NUMBER: 1387
CALIBRATION DATE: 12-Oct-23

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

COEFFICIENTS:

g = -1.06529402e+001
h = 1.59432922e+000
i = -4.69738932e-004
j = 1.32380971e-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	2.58518	0.00000	0.00000
-1.0000	34.6000	2.78877	4.91529	2.78877	0.00000
1.0000	34.6008	2.95929	5.02272	2.95929	0.00000
15.0000	34.6020	4.24810	5.76997	4.24808	-0.00001
18.5000	34.6016	4.59295	5.95395	4.59296	0.00001
29.0001	34.5966	5.67038	6.49492	5.67038	0.00000
32.4999	34.5840	6.04004	6.67033	6.04003	-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

