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SENSOR SERIAL NUMBER: 1749
 CALIBRATION DATE: 18-Jul-24

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

COEFFICIENTS:

g = -3.99116057e+000
 h = 5.02969840e-001
 i = -3.11961403e-004
 j = 4.29721897e-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	2.81845	0.00000	0.00000
-1.0000	34.4580	2.77839	7.94639	2.77838	-0.00001
1.0000	34.4579	2.94823	8.15540	2.94824	0.00001
14.9999	34.4575	4.23222	9.58688	4.23220	-0.00002
18.4999	34.4540	4.57545	9.93407	4.57547	0.00002
29.0000	34.4295	5.64605	10.94473	5.64605	-0.00000
32.5000	34.3949	6.01076	11.26728	6.01016	-0.00060

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

