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SENSOR SERIAL NUMBER: 2251
 CALIBRATION DATE: 05-Jan-23

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

COEFFICIENTS:

g = -1.03646822e+001
 h = 1.36609520e+000
 i = -2.64503752e-003
 j = 2.60444125e-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	2.75984	0.00000	0.00000
-1.0000	34.7471	2.79952	5.31206	2.79947	-0.00005
1.0000	34.7459	2.97052	5.42921	2.97056	0.00004
14.9999	34.7435	4.26362	6.24344	4.26365	0.00003
18.5000	34.7424	4.60962	6.44371	4.60961	-0.00002
29.0000	34.7350	5.69050	7.03229	5.69046	-0.00004
32.5001	34.7174	6.06070	7.22273	6.06073	0.00003

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

