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SENSOR SERIAL NUMBER: 2973
CALIBRATION DATE: 21-Apr-22

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

COEFFICIENTS:

g = -9.95908244e+000
h = 1.34583497e+000
i = 1.57450107e-004
j = 6.59095565e-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	2.71936	0.00000	0.00000
-1.0001	34.7274	2.79807	5.30417	2.79807	-0.00000
0.9999	34.7274	2.96908	5.42221	2.96909	0.00001
14.9999	34.7263	4.26173	6.24217	4.26172	-0.00001
18.4999	34.7239	4.60742	6.44368	4.60743	0.00001
28.9999	34.7173	5.68792	7.03607	5.68792	0.00001
32.5000	34.7032	6.05849	7.22796	6.05849	-0.00001

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

