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SENSOR SERIAL NUMBER: 1374
CALIBRATION DATE: 21-Apr-22

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

COEFFICIENTS:

g = -4.08307349e+000
h = 4.98418670e-001
i = -9.60114384e-005
j = 3.34858524e-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	2.86218	0.00000	0.00000
-1.0001	34.7274	2.79807	8.00960	2.79809	0.00002
0.9999	34.7274	2.96908	8.21964	2.96908	-0.00000
14.9999	34.7263	4.26173	9.65863	4.26168	-0.00005
18.4999	34.7239	4.60742	10.00789	4.60744	0.00001
28.9999	34.7173	5.68792	11.02672	5.68799	0.00007
32.5000	34.7032	6.05849	11.35445	6.05844	-0.00005

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

