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SENSOR SERIAL NUMBER: 1347
CALIBRATION DATE: 21-Aug-03

SBE4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

g = -3.70800683e+000
h = 4.87607906e-001
i = -7.22546823e-005
j = 3.45923137e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.31231485e-005
b = 4.87417374e-001
c = -3.70760072e+000
d = -8.58067568e-005
m = 4.1
CPcor = -9.5700e-008 (nominal)

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.75744	-0.00000	-0.00000
-1.0004	34.8990	2.81058	8.06366	2.81060	0.00002
0.9996	34.8995	2.98236	8.27760	2.98236	-0.00000
14.9996	34.9006	4.28082	9.74156	4.28076	-0.00006
18.4996	34.8999	4.62822	10.09668	4.62826	0.00004
28.9996	34.8991	5.71431	11.13203	5.71435	0.00004
32.4996	34.8950	6.08811	11.46608	6.08808	-0.00003

Conductivity = (g + hf² + if³ + jf⁴) / 10(1 + δt + εp) Siemens/meter

Conductivity = (af^m + bf² + c + dt) / [10 (1 + εp)] Siemens/meter

t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients

Date, Slope Correction

