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SENSOR SERIAL NUMBER: 2973
CALIBRATION DATE: 10-Aug-04

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

GHIJ COEFFICIENTS

g = -1.07401626e+001
h = 1.45030377e+000
i = 6.56601285e-004
j = 2.02874170e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 3.83157516e-004
b = 1.45106541e+000
c = -1.07419541e+001
d = -8.74628517e-005
m = 3.3
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	2.71948	0.00000	0.00000
-1.3998	34.9385	2.77959	5.14775	2.77958	-0.00001
1.0002	34.9389	2.98546	5.28327	2.98547	0.00001
15.0003	34.9397	4.28517	6.06906	4.28519	0.00001
18.5002	34.9400	4.63302	6.26257	4.63301	-0.00002
29.0003	34.9392	5.72021	6.83197	5.72021	0.00000

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

