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SENSOR SERIAL NUMBER: 1346
CALIBRATION DATE: 21-Aug-03

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

GHJ COEFFICIENTS

g = -3.96321231e+000
h = 5.21414094e-001
i = 2.03781828e-004
j = 2.68359090e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 8.54321750e-005
b = 5.21850781e-001
c = -3.96445952e+000
d = -8.66870176e-005
m = 3.7
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	2.75495	-0.00000	-0.00000
-1.0004	34.8990	2.81058	7.81824	2.81059	0.00001
0.9996	34.8995	2.98236	8.02393	2.98236	0.00000
14.9996	34.9006	4.28082	9.43232	4.28076	-0.00006
18.4996	34.8999	4.62822	9.77421	4.62826	0.00004
28.9996	34.8991	5.71431	10.77140	5.71434	0.00003
32.4996	34.8950	6.08811	11.09330	6.08809	-0.00002

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

