SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER = 1346
CALIBRATION DATE: 14-Nov-00s

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

GHIJ COEFFICIENTS

g = -4.07585521e+00
h = 5.36912871e-01
i = -4.90006457e-05
j = 3.37480389e-05
CPcor = -9.57e-08 (nominal) -6.957 E-08
CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 2.32941093e-05
b = 5.36849920e-01
c = -4.07614168e+00
d = -9.12478782e-05
m = 4.1
CPcor = -9.57e-08 (nominal)

BATH TEMP (IPTS-68 °C)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.75492	0.00000	0.00000
-1.3469	34.8163	2.77526	7.68775	2.77522	-0.00004
1.1691	34.8167	2.99063	7.94281	2.99067	0.00004
15.2894	34.8169	4.29967	9.34198	4.29968	0.00001
18.7277	34.8161	4.64073	9.67275	4.64070	-0.00003
29.2715	34.8114	5.72963	10.65904	5.72964	0.00001
32.7091	34.8043	6.09577	10.97028	6.09577	-0.00000

Conductivity = $(g + hf^2 + if^3 + jf^4) / [10(1 + \delta t + \epsilon p)]$ Siemens/meter
Conductivity = $(af^m + bf^2 + c + dt) / [10(1 + \epsilon p)]$ Siemens/meter
t = temperaure [deg C]; p = pressure [decibars]; δ = CTcor; ϵ = CPcor;
Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients