SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER = 775
CALIBRATION DATE: 30-May-01

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

GHIJ COEFFICIENTS

g = -4.10096882e+00
h = 4.89644597e-01
i = 1.14472140e-03
j = -2.61606201e-05
CPcor = -9.57e-08 (nominal)
CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 5.15994145e-02
b = 4.33310136e-01
c = -4.08171185e+00
d = -1.01223603e-04
m = 2.1
CPcor = -9.57e-08 (nominal)

BATH TEMP (ITS-90 °C)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2.88496	0.00000	0.00000
0.9999	35.0201	2.99171	8.27053	2.99166	-0.00005
4.5000	35.0200	3.30204	8.63743	3.30206	0.00002
14.9998	35.0198	4.29391	9.71636	4.29401	0.00010
18.5000	35.0197	4.64242	10.06760	4.64243	0.00001
23.9999	35.0183	5.20533	10.61014	5.20525	-0.00008
29.0001	35.0146	5.73113	11.09277	5.73106	-0.00007
32.5000	35.0086	6.10572	11.42416	6.10579	0.00007

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