SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington 98005 USA
Phone: (425) 643 - 9866 Fax: (425) 643 - 9954 Internet: seabird@seabird.com

SENSOR SERIAL NUMBER = 775
CALIBRATION DATE: 13-May-93

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

GHIJ COEFFICIENTS

g = -4.17276653e+00
h = 5.01062593e-01
i = -2.23872968e-05
j = 3.04699441e-05
CPcor = -9.57e-08 (nominal)
CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 2.98358693e-04
b = 4.98889300e-01
c = -4.16151971e+00
d = 7.74889841e-04
m = 3.2
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	2.88517	0.00002	0.00002
2.9361	13.8340	1.35168	5.93701	1.35148	-0.00020
11.0782	13.8336	1.68074	6.46361	1.68068	-0.00006
18.9031	13.8336	2.01810	6.96194	2.01820	0.00010
27.1958	13.8357	2.39464	7.47837	2.39470	0.00006
-0.9515	34.9809	2.82074	8.02629	2.82108	0.00034
6.9353	34.9815	3.52066	8.84644	3.52061	-0.00005
14.9832	34.9819	4.28777	9.66488	4.28753	-0.00024
23.0327	34.9819	5.09974	10.46086	5.09958	-0.00016
31.0926	34.9815	5.94920	11.23258	5.94938	0.00018

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 a, b, c, d, m coefficients