SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0748
CALIBRATION DATE: 20-May-11

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

GHIJ COEFFICIENTS

```
g = -4.13601180e+000
h =  4.36368712e-001
i = -8.82582106e-005
j =  2.34581032e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  8.21480004e-006
b =  4.36182261e-001
c = -4.13582487e+000
d = -8.69459483e-005
m =  4.3
CPcor = -9.5700e-008 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	3.07885	0.00000	0.00000
-1.0000	35.0209	2.81951	8.59803	2.81952	0.00001
1.0000	35.0213	2.99181	8.82344	2.99181	-0.00000
15.0000	35.0213	4.29409	10.36781	4.29405	-0.00004
18.5000	35.0200	4.64246	10.74285	4.64250	0.00004
29.0001	35.0135	5.73098	11.83656	5.73097	-0.00001

Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \varepsilon p)$ Siemens/meter

Conductivity = $(af^m + bf^2 + c + dt) / [10 (1 + \varepsilon p)$ Siemens/meter

t = temperature[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients