SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1346
CALIBRATION DATE: 21-May-09

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

GHIJ COEFFICIENTS

```
g = -3.53018917e+000
h =  4.04864181e-001
i =  2.56038041e-002
j = -1.33679796e-003
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a = -7.65759257e-043
b =  5.34972889e-001
c = -4.23859192e+000
d = -2.98496710e-003
m =  40.1
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	2.75513	0.00015	0.00015
-1.0000	34.7432	2.79924	7.76022	2.79686	-0.00238
1.0000	34.7437	2.97035	7.96418	2.97053	0.00018
15.0000	34.7452	4.26381	9.36180	4.26908	0.00527
18.4999	34.7448	4.60990	9.70172	4.61115	0.00126
29.0000	34.7444	5.69187	10.71201	5.67915	-0.01272
32.5000	34.7387	6.06399	11.06879	6.07223	0.00824

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