SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1347
CALIBRATION DATE: 19-Mar-09

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

GHIJ COEFFICIENTS

```
g = -4.08873928e+000
h =  5.37513594e-001
i = -3.67827097e-005
j =  3.30745576e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  3.06386880e-005
b =  5.37365919e-001
c = -4.08816735e+000
d = -8.05693442e-005
m =  4.0
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	2.75765	0.00000	0.00000
-1.0000	34.8034	2.80363	7.71874	2.80364	0.00000
1.0000	34.8031	2.97494	7.92120	2.97496	0.00002
15.0000	34.8040	4.27026	9.30848	4.27022	-0.00004
18.5000	34.8038	4.61689	9.64542	4.61688	-0.00001
29.0000	34.8006	5.70004	10.62828	5.70014	0.00011
32.5000	34.7945	6.07262	10.94532	6.07255	-0.00007

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