SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1898
CALIBRATION DATE: 11-Aug-09

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

GHIJ COEFFICIENTS

```
g = -1.05822116e+001
h =  1.51657794e+000
i =  3.45478423e-004
j =  5.11192168e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  3.20319842e-004
b =  1.51650899e+000
c = -1.05815285e+001
d = -8.12622857e-005
m =  3.4
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	2.64043	0.00000	0.00000
-1.0000	34.7667	2.80095	5.03941	2.80095	-0.00000
1.0000	34.7671	2.97216	5.14984	2.97218	0.00002
15.0000	34.7687	4.26639	5.91795	4.26638	-0.00001
18.5000	34.7689	4.61276	6.10706	4.61274	-0.00002
29.0000	34.7669	5.69514	6.66336	5.69521	0.00007
32.5000	34.7623	6.06764	6.84422	6.06759	-0.00005

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