SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1898
CALIBRATION DATE: 04-Nov-09

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

GHIJ COEFFICIENTS

```
g = -1.05830774e+001
h =  1.51667596e+000
i =  3.27379058e-004
j =  5.53445723e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  2.57459111e-004
b =  1.51682009e+000
c = -1.05830639e+001
d = -8.34179164e-005
m =  3.5
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	2.64047	0.00000	0.00000
-0.9999	34.8053	2.80378	5.04112	2.80378	-0.00000
1.0001	34.8056	2.97515	5.15160	2.97516	0.00001
15.0001	34.8073	4.27064	5.92008	4.27062	-0.00001
18.5001	34.8074	4.61733	6.10928	4.61732	-0.00001
29.0001	34.8055	5.70076	6.66579	5.70080	0.00004
32.5001	34.7993	6.07337	6.84663	6.07335	-0.00002

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