SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0334
CALIBRATION DATE: 20-May-11

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

GHIJ COEFFICIENTS

```
g = -4.22777954e+000
h =  4.71250561e-001
i = -3.93075235e-004
j =  4.36013965e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  2.07812623e-006
b =  4.69979859e-001
c = -4.22397948e+000
d = -9.60135573e-005
m =  4.9
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	2.99773	0.00000	0.00000
-1.0000	35.0209	2.81951	8.29698	2.81953	0.00001
1.0000	35.0213	2.99181	8.51391	2.99180	-0.00001
15.0000	35.0213	4.29409	10.00025	4.29405	-0.00004
18.5000	35.0200	4.64246	10.36115	4.64250	0.00004
29.0001	35.0135	5.73098	11.41337	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