SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0304
CALIBRATION DATE: 25-May-11

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

GHIJ COEFFICIENTS

```
g = -4.08021606e+000
h =  4.33405695e-001
i = -7.29126591e-004
j =  5.54111429e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  2.69717835e-007
b =  4.30457083e-001
c = -4.06814760e+000
d = -7.81224122e-005
m =  5.6
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	3.07437	0.00000	0.00000
-1.0000	34.7763	2.80165	8.62726	2.80169	0.00003
1.0000	34.7773	2.97295	8.85388	2.97293	-0.00002
15.0000	34.7787	4.26749	10.40567	4.26741	-0.00008
18.5000	34.7776	4.61379	10.78225	4.61384	0.00005
29.0001	34.7764	5.69653	11.88017	5.69658	0.00005
32.5000	34.7704	6.06889	12.23407	6.06885	-0.00004

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