SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3338
CALIBRATION DATE: 27-Feb-08

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

GHIJ COEFFICIENTS

```
g = -9.97710595e+000
h =  1.54292595e+000
i = -2.29418227e-003
j =  2.69175391e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.13039470e-006
b =  1.53702865e+000
c = -9.96558662e+000
d = -8.26445068e-005
m =  6.0
CPcor = -9.5700e-008 (nominal)
```

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	2.54629	0.00000	0.00000
-1.0000	34.9366	2.81336	4.97759	2.81334	-0.00002
1.0000	34.9367	2.98527	5.08857	2.98529	0.00002
15.0000	34.9377	4.28493	5.85940	4.28493	0.00000
18.5000	34.9373	4.63268	6.04890	4.63271	0.00002
29.0000	34.9359	5.71970	6.60578	5.71964	-0.00006
32.5000	34.9302	6.09360	6.78670	6.09364	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