SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3598
CALIBRATION DATE: 02-Sep-11

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

GHIJ COEFFICIENTS

```
g = -1.00103102e+001
h =  1.54487792e+000
i = -2.41739215e-003
j =  2.77547890e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  6.01730038e-007
b =  1.53865836e+000
c = -9.99840846e+000
d = -8.59113593e-005
m =  6.3
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	2.54912	0.00000	0.00000
-1.0000	34.6414	2.79180	4.96318	2.79178	-0.00002
1.0000	34.6419	2.96247	5.07358	2.96249	0.00001
15.0000	34.6415	4.25243	5.84037	4.25246	0.00003
18.5000	34.6416	4.59769	6.02890	4.59766	-0.00003
29.0000	34.6393	5.67658	6.58306	5.67658	-0.00000
32.5000	34.6306	6.04726	6.76284	6.04726	0.00000

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