SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2206
CALIBRATION DATE: 08-Jun-99

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

GHIJ COEFFICIENTS

```
g = -1.05180461e+001
h =  1.66649066e+000
i = -2.17911549e-003
j =  2.53996150e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  4.60294534e-007
b =  1.66100523e+000
c = -1.05080238e+001
d = -8.62489293e-005
m =  6.4
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	2.51520	0.00000	0.00000
-1.3996	35.2142	2.79949	4.81395	2.79948	-0.00002
1.1401	35.2089	3.01857	4.94894	3.01857	0.00001
15.2585	35.2081	4.34013	5.69541	4.34016	0.00004
18.6962	35.2067	4.68439	5.87418	4.68438	-0.00001
29.2396	35.2054	5.78447	6.41186	5.78441	-0.00006
32.6792	35.2006	6.15482	6.58296	6.15487	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