SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1896
CALIBRATION DATE: 27-Jul-10

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

GHIJ COEFFICIENTS

```
g = -4.09416494e+000
h =  5.23064435e-001
i = -1.13300609e-003
j =  8.52735253e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.45503572e-007
b =  5.18616908e-001
c = -4.07759247e+000
d = -6.00070845e-005
m =  6.0
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	2.80445	0.00000	0.00000
-1.0000	34.8400	2.80631	7.86817	2.80628	-0.00003
1.0000	34.8403	2.97782	8.07502	2.97786	0.00004
14.9999	34.8412	4.27433	9.49089	4.27431	-0.00002
18.5000	34.8407	4.62126	9.83451	4.62125	-0.00000
29.0000	34.8397	5.70572	10.83647	5.70576	0.00004
32.5000	34.8338	6.07870	11.15949	6.07867	-0.00003

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