SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2980
CALIBRATION DATE: 10-Aug-04

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

GHIJ COEFFICIENTS

```
g = -1.05644976e+001
h =  1.44199497e+000
i =  5.89862002e-004
j =  2.61208446e-005
CPcor = -9.5700e-008  (nominal)
CTcor =  3.2500e-006  (nominal)
```

ABCDM COEFFICIENTS

```
a =  3.87950204e-004
b =  1.44249480e+000
c = -1.05654407e+001
d = -8.49969780e-005
m =  3.3
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	2.70504	0.00000	0.00000
-1.3998	34.9385	2.77959	5.15107	2.77958	-0.00001
1.0002	34.9389	2.98546	5.28730	2.98547	0.00001
15.0003	34.9397	4.28517	6.07687	4.28519	0.00001
18.5002	34.9400	4.63302	6.27124	4.63301	-0.00002
29.0003	34.9392	5.72021	6.84310	5.72021	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