SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1578
CALIBRATION DATE: 16-Dec-08

SBE21 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

```
g = -4.02856631e+000
h =  4.80743581e-001
i =  1.08612788e-003
j = -2.20827085e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  2.10592084e-002
b =  4.55834990e-001
c = -4.01114196e+000
d = -9.30415152e-005
m =  2.2
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)
22.0000	0.0000	0.00000	2.88596	0.00000	0.00000
1.0000	34.7389	2.96998	8.31144	2.96994	-0.00004
4.5000	34.7191	3.27646	8.67867	3.27649	0.00003
15.0000	34.6766	4.25629	9.75898	4.25635	0.00006
18.5000	34.6670	4.60070	10.11086	4.60067	-0.00003
24.0000	34.6565	5.15748	10.65493	5.15743	-0.00005
29.0000	34.6494	5.67805	11.13936	5.67806	0.00001
32.5001	34.6436	6.04928	11.47213	6.04930	0.00001

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