Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3233
CALIBRATION DATE: 27-Nov-12

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

GHIJ COEFFICIENTS

```
g = -4.34600273e+000
h =  5.12821545e-001
i = -2.48087787e-004
j =  3.88432900e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  8.75910177e-006
b =  5.11962924e-001
c = -4.34129445e+000
d = -8.47180523e-005
m =  4.4
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)
22.0000	0.0000	0.00000	2.91225	0.00000	0.00000
1.0000	34.9016	2.98256	8.15855	2.98257	0.00001
4.5000	34.8810	3.29023	8.51675	3.29022	-0.00001
15.0000	34.8372	4.27391	9.57122	4.27390	-0.00000
18.5000	34.8275	4.61969	9.91479	4.61967	-0.00002
24.0000	34.8165	5.17865	10.44587	5.17868	0.00003
29.0000	34.8092	5.70129	10.91849	5.70130	0.00001
32.5000	34.8038	6.07406	11.24313	6.07404	-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