Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1553
CALIBRATION DATE: 03-Aug-12

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

GHIJ COEFFICIENTS

```
g = -4.18047385e+000
h =  5.25270384e-001
i =  5.82174689e-005
j =  2.47461442e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  3.59095430e-005
b =  5.25467807e-001
c = -4.18141083e+000
d = -8.93697342e-005
m =  3.9
CPcor = -9.5700e-008 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.82014	0.00000	0.00000
-0.9999	34.7214	2.79765	7.80979	2.79771	0.00006
1.0000	34.7225	2.96871	8.01402	2.96867	-0.00004
15.0001	34.7240	4.26150	9.41427	4.26143	-0.00006
18.5000	34.7240	4.60744	9.75451	4.60746	0.00001
29.0001	34.7234	5.68882	10.74745	5.68894	0.00012
32.5001	34.7178	6.06076	11.06779	6.06068	-0.00008

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