Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2356
CALIBRATION DATE: 12-Jul-12

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

GHIJ COEFFICIENTS

```
g = -1.00915672e+001
h =  1.47227441e+000
i =  6.72137696e-005
j =  7.94358109e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  1.29754372e-004
b =  1.47224454e+000
c = -1.00914630e+001
d = -8.35577091e-005
m =  3.8
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	2.61745	0.00000	0.00000
-0.9999	34.7017	2.79621	5.07988	2.79625	0.00004
1.0001	34.7030	2.96721	5.19255	2.96718	-0.00003
15.0001	34.7043	4.25934	5.97557	4.25931	-0.00003
18.5000	34.7041	4.60509	6.16817	4.60510	0.00001
29.0001	34.7029	5.68584	6.73445	5.68589	0.00004
32.5001	34.6981	6.05772	6.91846	6.05769	-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