Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3318
CALIBRATION DATE: 13-Nov-12

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

GHIJ COEFFICIENTS

```
g = -3.99580677e+000
h =  4.72891290e-001
i = -5.76434811e-004
j =  5.27566093e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.24336312e-006
b =  4.70730538e-001
c = -3.98611766e+000
d = -9.37424035e-005
m =  5.1
CPcor = -9.5700e-008 (nominal)
```

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	2.91063	0.00000	0.00000
0.9999	34.9424	2.98570	8.47074	2.98569	-0.00001
4.4999	34.9215	3.29366	8.84653	3.29367	0.00001
15.0000	34.8782	4.27840	9.95161	4.27840	-0.00000
18.4999	34.8684	4.62452	10.31132	4.62453	0.00000
24.0000	34.8575	5.18408	10.86700	5.18407	-0.00000
29.0000	34.8504	5.70727	11.36129	5.70727	-0.00000
32.5000	34.8457	6.08054	11.70073	6.08054	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