Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3520
CALIBRATION DATE: 21-Sep-11

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

GHIJ COEFFICIENTS

```
g = -1.02060043e+001
h =  1.25650878e+000
i = -1.94239729e-003
j =  1.92041358e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  1.25377438e-007
b =  1.25081375e+000
c = -1.01921535e+001
d = -8.60101889e-005
m =  6.7
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	2.85453	0.00000	0.00000
-1.0000	35.0042	2.81830	5.53812	2.81829	-0.00001
1.0000	35.0045	2.99051	5.66096	2.99054	0.00002
15.0000	35.0049	4.29229	6.51434	4.29227	-0.00002
18.5000	35.0040	4.64057	6.72416	4.64055	-0.00002
29.0000	34.9970	5.72857	7.34073	5.72865	0.00008
32.5000	34.9851	6.10208	7.54054	6.10203	-0.00005

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