Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0304
CALIBRATION DATE: 17-Mar-15

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g =  -4.08344419e+000
h =   4.34016227e-001
i =  -8.22544854e-004
j =   5.94619171e-005

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (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	3.07430	0.00000	0.00000
-1.0000	34.7186	2.79744	8.62096	2.79746	0.00002
1.0000	34.7191	2.96845	8.84739	2.96843	-0.00001
15.0000	34.7188	4.26092	10.39790	4.26090	-0.00001
18.5000	34.7188	4.60683	10.77418	4.60682	-0.00001
29.0001	34.7171	5.68791	11.87117	5.68796	0.00006
32.5000	34.7102	6.05958	12.22462	6.05954	-0.00004

f = INST FREQ / 1000.0

Conductivity = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$ Siemens / meter

t = temperatur e[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = instrument conductivity - bath conductivity