Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1018
CALIBRATION DATE: 23-Jun-15

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

COEFFICIENTS:

```
g =  -4.08964261e+000
h =   4.62774868e-001
i =  -4.34499989e-004
j =   4.63281995e-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	2.97558	0.00000	0.00000
-1.0000	34.5979	2.78862	8.31609	2.78864	0.00003
1.0000	34.5983	2.95910	8.53418	2.95909	-0.00001
15.0000	34.5992	4.24779	10.02817	4.24773	-0.00006
18.5000	34.5991	4.59265	10.39094	4.59268	0.00002
29.0000	34.5966	5.67037	11.44856	5.67045	0.00008
32.5000	34.5890	6.04082	11.78936	6.04076	-0.00006

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