Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0043
CALIBRATION DATE: 06-Feb-14

SBE 49 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g = -1.007339e+000
h =  1.393466e-001
i = -4.364311e-005
j =  2.453069e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2688.11	0.0000	0.00000
1.0000	34.6702	2.96466	5330.08	2.9646	-0.00001
4.5000	34.6506	3.27063	5530.73	3.2706	0.00002
15.0000	34.6087	4.24883	6127.44	4.2488	0.00001
18.5000	34.5998	4.59274	6323.59	4.5927	-0.00001
24.0000	34.5896	5.14862	6628.09	5.1486	-0.00001
29.0000	34.5834	5.66845	6900.40	5.6685	0.00000

f = INST FREQ / 1000.0

Conductivity = $(g + hf^2 + if^3 + jf^4) / (1 + \delta t + \varepsilon p)$ Siemens/meter

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

Residual = instrument conductivity - bath conductivity