Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2322
CALIBRATION DATE: 23-Jun-12

SBE 37 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g = -1.072225e+000
h =  1.509489e-001
i = -1.777235e-004
j =  3.752538e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.3120e-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	2666.92	0.00000	0.00000
1.0000	34.6956	2.96663	5171.21	2.96662	-0.00001
4.4999	34.6750	3.27269	5362.84	3.27271	0.00002
15.0000	34.6314	4.25132	5933.35	4.25131	-0.00001
18.5000	34.6219	4.59535	6121.02	4.59535	-0.00000
24.0000	34.6113	5.15149	6412.50	5.15151	0.00001
29.0000	34.6050	5.67159	6673.25	5.67158	-0.00001
32.5000	34.6006	6.04262	6853.02	6.04262	0.00000

f = INST FREQ * sqrt(1.0 + WBOTC * t) / 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