Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 2336
CALIBRATION DATE: 13-Dec-11

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

COEFFICIENTS:

```
g = -1.038374e+000
h =  1.535748e-001
i = -3.330170e-005
j =  3.069498e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.2827e-005
```

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	2598.87	0.00000	0.00000
1.0000	34.5773	2.95748	5090.48	2.95747	-0.00001
4.4999	34.5570	3.26265	5280.29	3.26268	0.00002
15.0000	34.5129	4.23831	5844.96	4.23829	-0.00003
18.5000	34.5026	4.58122	6030.59	4.58120	-0.00002
24.0000	34.4905	5.13549	6318.81	5.13552	0.00002
29.0000	34.4809	5.65353	6576.43	5.65357	0.00004
32.5000	34.4723	6.02275	6753.81	6.02272	-0.00003

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