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: 2324
CALIBRATION DATE: 09-Dec-11

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

COEFFICIENTS:

```
g = -1.024343e+000
h =  1.522651e-001
i = -3.722729e-005
j =  3.283821e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -4.5315e-006
```

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	2592.79	0.00000	0.00000
1.0000	34.9860	2.98908	5122.77	2.98910	0.00002
4.4999	34.9656	3.29741	5314.93	3.29739	-0.00002
15.0000	34.9212	4.28312	5886.53	4.28309	-0.00003
18.5000	34.9111	4.62958	6074.39	4.62958	0.00000
24.0000	34.8997	5.18966	6366.05	5.18968	0.00002
29.0000	34.8919	5.71330	6626.78	5.71332	0.00002
32.5000	34.8848	6.08658	6806.34	6.08656	-0.00002

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