SEA-BIRD ELECTRONICS, INC.

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

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

SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 12-Jan-11

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

COEFFICIENTS:

```
g = -1.046427e+000
h =  1.517544e-001
i = -3.296963e-005
j =  2.662162e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.4102e-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	2625.34	0.00000	0.00000
1.0000	34.7871	2.97371	5137.97	2.97373	0.00002
4.5000	34.7674	3.28056	5329.70	3.28054	-0.00002
15.0000	34.7244	4.26153	5900.42	4.26151	-0.00002
18.4999	34.7150	4.60637	6088.15	4.60640	0.00003
23.9999	34.7050	5.16389	6379.68	5.16389	0.00000
28.9999	34.6991	5.68527	6640.48	5.68526	-0.00001
32.5000	34.6954	6.05729	6820.34	6.05729	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