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: 2321
CALIBRATION DATE: 05-Feb-14

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

COEFFICIENTS:

```
g = -9.763819e-001
h =  1.316593e-001
i = -1.133606e-004
j =  2.897235e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -4.1294e-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	2724.32	0.00000	0.00000
1.0000	34.7364	2.96979	5469.62	2.96979	0.00000
4.5000	34.7166	3.27624	5677.16	3.27624	-0.00000
15.0000	34.6741	4.25601	6294.07	4.25601	-0.00000
18.5000	34.6649	4.60045	6496.72	4.60044	-0.00001
24.0000	34.6546	5.15723	6811.26	5.15724	0.00002
29.0000	34.6484	5.67791	7092.40	5.67790	-0.00001

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