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: 2323
CALIBRATION DATE: 05-Feb-14

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

COEFFICIENTS:

```
g = -9.764835e-001
h =  1.485049e-001
i = -1.238845e-004
j =  3.691526e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.7914e-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	2564.72	0.00000	0.00000
1.0000	34.7364	2.96979	5149.01	2.96978	-0.00000
4.5000	34.7166	3.27624	5344.25	3.27625	0.00001
15.0000	34.6741	4.25601	5924.48	4.25600	-0.00001
18.5000	34.6649	4.60045	6115.07	4.60044	-0.00000
24.0000	34.6546	5.15723	6410.85	5.15723	0.00001
29.0000	34.6484	5.67791	6675.22	5.67791	0.00000
32.4999	34.6446	6.04942	6857.40	6.04941	-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