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: 2322
CALIBRATION DATE: 28-Jan-17

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

COEFFICIENTS:

```
g = -1.071905e+000
h =  1.506538e-001
i = -6.521468e-005
j =  2.983326e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.3120e-006
```

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2666.96	0.00000	0.00000
1.0000	34.7428	2.97028	5171.95	2.97027	-0.00001
4.5000	34.7230	3.27679	5363.62	3.27681	0.00002
14.9999	34.6804	4.25669	5934.15	4.25667	-0.00002
18.5000	34.6710	4.60117	6121.85	4.60116	-0.00001
24.0000	34.6608	5.15805	6413.38	5.15807	0.00002
29.0000	34.6549	5.67885	6674.18	5.67885	-0.00000
32.5000	34.6501	6.05028	6853.95	6.05027	-0.00001

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity