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: 2331
CALIBRATION DATE: 20-Nov-15

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

COEFFICIENTS:

```
g = -9.646583e-001
h =  1.365776e-001
i = -1.164695e-004
j =  3.284829e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -4.4193e-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	2658.53	0.00000	0.00000
1.0000	34.6081	2.95986	5354.26	2.95986	-0.00000
4.5000	34.5879	3.26529	5557.78	3.26529	0.00000
15.0000	34.5450	4.24184	6162.62	4.24183	-0.00000
18.5000	34.5360	4.58518	6361.30	4.58519	0.00001
24.0000	34.5264	5.14025	6669.63	5.14025	0.00000
29.0000	34.5214	5.65943	6945.27	5.65942	-0.00001
32.5000	34.5189	6.02997	7135.27	6.02997	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