Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 2331
CALIBRATION DATE: 19-Jun-18

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

COEFFICIENTS:

```
g = -9.646093e-001
h =  1.365535e-001
i = -1.050313e-004
j =  3.210272e-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	2658.45	0.00000	0.00000
1.0000	34.8276	2.97684	5365.44	2.97684	0.00000
4.5000	34.8082	3.28404	5569.65	3.28403	-0.00001
15.0000	34.7661	4.26611	6176.45	4.26612	0.00001
18.5000	34.7573	4.61139	6375.74	4.61139	0.00000
24.0000	34.7475	5.16952	6684.99	5.16952	-0.00001
29.0000	34.7424	5.69158	6961.44	5.69156	-0.00001
32.5001	34.7391	6.06406	7151.95	6.06407	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) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$

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