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

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

SENSOR SERIAL NUMBER: 2337
CALIBRATION DATE: 22-Jun-18

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

COEFFICIENTS:

```
g = -1.063186e+000
h =  1.498848e-001
i = -1.935185e-004
j =  4.046320e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -5.6580e-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	2665.53	0.00000	0.00000
1.0000	34.8167	2.97600	5189.76	2.97602	0.00003
4.5000	34.7972	3.28310	5382.67	3.28308	-0.00002
15.0000	34.7547	4.26486	5956.91	4.26482	-0.00003
18.5000	34.7456	4.61000	6145.79	4.61001	0.00000
24.0000	34.7358	5.16797	6439.12	5.16802	0.00004
28.9999	34.7312	5.68994	6701.52	5.68992	-0.00002
32.5001	34.7280	6.06234	6882.46	6.06234	-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