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

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

SENSOR SERIAL NUMBER: 1866
CALIBRATION DATE: 14-Jul-23

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

COEFFICIENTS:

```
g = -1.026280e+000
h =  1.423103e-001
i = -2.360791e-004
j =  4.744706e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.9139e-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	2688.11	0.00000	0.00000
1.0000	34.7508	2.97090	5298.28	2.97090	-0.00000
4.5000	34.7314	3.27750	5496.68	3.27752	0.00002
15.0000	34.6897	4.25772	6086.56	4.25769	-0.00003
18.5000	34.6805	4.60229	6280.39	4.60228	-0.00002
24.0000	34.6703	5.15930	6581.25	5.15933	0.00003
29.0000	34.6624	5.67994	6850.04	5.67997	0.00003
32.5000	34.6530	6.05073	7034.91	6.05070	-0.00003

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