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

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

SENSOR SERIAL NUMBER: 2325
CALIBRATION DATE: 04-Feb-24

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

COEFFICIENTS:

```
g = -9.847081e-001
h =  1.392356e-001
i = -1.441354e-004
j =  3.460839e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -5.9812e-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	2660.87	0.00000	0.00000
0.9999	34.3832	2.94244	5306.87	2.94244	-0.00000
4.5000	34.3643	3.24625	5507.49	3.24625	0.00001
15.0000	34.3248	4.21765	6104.00	4.21763	-0.00001
18.5000	34.3169	4.55921	6300.04	4.55921	0.00000
24.0000	34.3089	5.11142	6604.35	5.11142	0.00000
29.0000	34.3049	5.62790	6876.43	5.62791	0.00001
32.5000	34.3024	5.99642	7063.94	5.99642	-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