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

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

SENSOR SERIAL NUMBER: 2341
CALIBRATION DATE: 09-Apr-23

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

COEFFICIENTS:

```
g = -1.030786e+000
h =  1.547438e-001
i = -2.010100e-004
j =  4.514842e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.0978e-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 | 2582.64 | 0.00000 | 0.00000 |
| 0.9999 | 34.7192 | 2.96845 | 5081.35 | 2.96845 | 0.00000 |
| 4.5000 | 34.6994 | 3.27478 | 5271.49 | 3.27478 | -0.00000 |
| 15.0000 | 34.6581 | 4.25426 | 5837.15 | 4.25425 | -0.00001 |
| 18.5000 | 34.6492 | 4.59859 | 6023.08 | 4.59858 | -0.00000 |
| 24.0000 | 34.6390 | 5.15516 | 6311.71 | 5.15517 | 0.00001 |
| 29.0000 | 34.6316 | 5.67546 | 6569.69 | 5.67546 | -0.00000 |
| 32.5000 | 34.6233 | 6.04613 | 6747.25 | 6.04613 | -0.00000 |

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); $\delta$ = CTcor; $\varepsilon$ = 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