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

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

SENSOR SERIAL NUMBER: 16306
CALIBRATION DATE: 09-Mar-25

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g = -9.815264e-001
h =  1.241628e-001
i = -5.014954e-005
j =  2.071426e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.1856e-007
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| 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 | 2811.36 | 0.00000 | 0.00000 |
| 1.0000 | 34.6575 | 2.96368 | 5628.42 | 2.96368 | -0.00000 |
| 4.5000 | 34.6385 | 3.26960 | 5841.66 | 3.26960 | 0.00000 |
| 15.0000 | 34.6001 | 4.24789 | 6475.76 | 4.24789 | 0.00001 |
| 18.5000 | 34.5924 | 4.59186 | 6684.13 | 4.59185 | -0.00001 |
| 24.0000 | 34.5844 | 5.14793 | 7007.59 | 5.14793 | -0.00000 |
| 29.0000 | 34.5806 | 5.66804 | 7296.83 | 5.66805 | 0.00001 |
| 32.5000 | 34.5789 | 6.03926 | 7496.24 | 6.03925 | -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