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SENSOR SERIAL NUMBER: 21147
CALIBRATION DATE: 17-Feb-22

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

COEFFICIENTS:

```
g = -1.012769e+000
h =  1.414790e-001
i = -4.406805e-004
j =  5.382871e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.4845e-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 | 2683.07 | 0.00000 | 0.00000 |
| 1.0000 | 34.6268 | 2.96131 | 5315.42 | 2.96131 | 0.00001 |
| 4.5000 | 34.6072 | 3.26693 | 5515.48 | 3.26693 | -0.00000 |
| 15.0000 | 34.5674 | 4.24430 | 6110.58 | 4.24425 | -0.00004 |
| 18.5000 | 34.5591 | 4.58792 | 6306.19 | 4.58795 | 0.00003 |
| 24.0000 | 34.5522 | 5.14366 | 6609.90 | 5.14368 | 0.00002 |
| 29.0000 | 34.5473 | 5.66320 | 6881.29 | 5.66318 | -0.00001 |
| 32.5000 | 34.5467 | 6.03427 | 7067.96 | 6.03313 | -0.00114 |

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