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SENSOR SERIAL NUMBER: 15274
CALIBRATION DATE: 01-Apr-25

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

COEFFICIENTS:

```
g = -9.820850e-001
h =  1.265232e-001
i = -9.659106e-005
j =  2.497720e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  8.9699e-008
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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 | 2786.88 | 0.00000 | 0.00000 |
| 1.0000 | 34.6064 | 2.95973 | 5576.43 | 2.95974 | 0.00001 |
| 4.5000 | 34.5873 | 3.26524 | 5787.60 | 3.26523 | -0.00001 |
| 14.9999 | 34.5489 | 4.24226 | 6415.62 | 4.24224 | -0.00002 |
| 18.4999 | 34.5413 | 4.58580 | 6622.01 | 4.58580 | 0.00000 |
| 24.0000 | 34.5335 | 5.14119 | 6942.37 | 5.14120 | 0.00001 |
| 29.0000 | 34.5300 | 5.66068 | 7228.82 | 5.66070 | 0.00002 |
| 32.5000 | 34.5281 | 6.03139 | 7426.26 | 6.03138 | -0.00001 |

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