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SENSOR SERIAL NUMBER: 1866
CALIBRATION DATE: 27-Feb-18

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

COEFFICIENTS:

```
g = -9.718112e-001
h =  1.344293e-001
i = -5.452002e-005
j =  2.715218e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.9139e-006
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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 | 2688.13 | 0.00000 | 0.00000 |
| 1.0000 | 34.6922 | 2.96637 | 5402.54 | 2.96638 | 0.00001 |
| 4.5000 | 34.6726 | 3.27250 | 5607.54 | 3.27249 | -0.00001 |
| 15.0000 | 34.6300 | 4.25117 | 6216.79 | 4.25116 | -0.00001 |
| 18.5000 | 34.6206 | 4.59520 | 6416.91 | 4.59521 | 0.00001 |
| 24.0000 | 34.6101 | 5.15133 | 6727.47 | 5.15134 | 0.00001 |
| 29.0000 | 34.6036 | 5.67139 | 7005.04 | 5.67138 | -0.00001 |
| 32.5000 | 34.5988 | 6.04234 | 7196.23 | 6.04223 | -0.00010 |

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