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SENSOR SERIAL NUMBER: 2022
CALIBRATION DATE: 19-Jun-18

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

COEFFICIENTS:

```
g = -9.858423e-001
h =  1.389875e-001
i = -1.660257e-004
j =  3.336949e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.8990e-005
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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 | 2664.69 | 0.00000 | 0.00000 |
| 1.0000 | 34.8276 | 2.97684 | 5338.30 | 2.97685 | 0.00001 |
| 4.5000 | 34.8082 | 3.28404 | 5540.39 | 3.28402 | -0.00001 |
| 15.0000 | 34.7661 | 4.26611 | 6141.09 | 4.26610 | -0.00001 |
| 18.5000 | 34.7573 | 4.61139 | 6338.45 | 4.61139 | 0.00000 |
| 24.0000 | 34.7475 | 5.16952 | 6644.72 | 5.16953 | 0.00001 |
| 29.0000 | 34.7424 | 5.69158 | 6918.53 | 5.69158 | 0.00000 |
| 32.5001 | 34.7391 | 6.06406 | 7107.22 | 6.06406 | -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