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SENSOR SERIAL NUMBER: 3769
CALIBRATION DATE: 16-Apr-23

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

COEFFICIENTS:

```
g = -1.056944e+000
h =  1.404365e-001
i = -1.974898e-004
j =  3.618635e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -9.1320e-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 | 2746.29 | 0.00000 | 0.00000 |
| 1.0000 | 34.4625 | 2.94859 | 5341.06 | 2.94859 | 0.00000 |
| 4.5000 | 34.4430 | 3.25295 | 5539.61 | 3.25295 | 0.00000 |
| 15.0000 | 34.4017 | 4.22610 | 6130.69 | 4.22610 | 0.00000 |
| 18.5000 | 34.3933 | 4.56827 | 6325.13 | 4.56826 | -0.00001 |
| 24.0000 | 34.3839 | 5.12136 | 6627.10 | 5.12136 | -0.00000 |
| 29.0000 | 34.3784 | 5.63861 | 6897.22 | 5.63863 | 0.00002 |
| 32.5000 | 34.3735 | 6.00744 | 7083.34 | 6.00743 | -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