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SENSOR SERIAL NUMBER: 4791
CALIBRATION DATE: 13-Jul-23

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g =  -9.74304045e+000
h =   1.25668215e+000
i =  -7.03507529e-004
j =   1.10639892e-004

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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| BATH TEMP (° C) | BATH SAL (PSU) | BATH COND (S/m) | INSTRUMENT OUTPUT (kHz) | INSTRUMENT COND (S/m) | RESIDUAL (S/m) |
|---|---|---|---|---|---|
| 0.0000 | 0.0000 | 0.00000 | 2.78564 | 0.00000 | 0.00000 |
| -1.0001 | 34.5878 | 2.78787 | 5.47267 | 2.78788 | 0.00001 |
| 0.9999 | 34.5882 | 2.95831 | 5.59513 | 2.95831 | -0.00000 |
| 14.9999 | 34.5884 | 4.24659 | 6.44551 | 4.24658 | -0.00002 |
| 18.4999 | 34.5882 | 4.59135 | 6.65456 | 4.59136 | 0.00001 |
| 29.0000 | 34.5850 | 5.66868 | 7.26876 | 5.66870 | 0.00001 |
| 32.5000 | 34.5734 | 6.03841 | 7.46778 | 6.03840 | -0.00001 |

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); $\delta$ = CTcor; $\varepsilon$ = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity