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SENSOR SERIAL NUMBER: 1815
CALIBRATION DATE: 31-Mar-23

SBE 16 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g =  -4.05841979e+000
h =   4.85037566e-001
i =   8.55206641e-004
j =  -6.95496890e-006

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) |
|---|---|---|---|---|---|
| 22.0000 | 0.0000 | 0.00000 | 2.88546 | 0.00000 | 0.00000 |
| 1.0000 | 34.5600 | 2.95614 | 8.26946 | 2.95614 | 0.00000 |
| 4.5000 | 34.5405 | 3.26126 | 8.63423 | 3.26124 | -0.00001 |
| 15.0000 | 34.4978 | 4.23665 | 9.70740 | 4.23669 | 0.00004 |
| 18.4999 | 34.4890 | 4.57960 | 10.05700 | 4.57958 | -0.00002 |
| 24.0000 | 34.4792 | 5.13399 | 10.59739 | 5.13397 | -0.00003 |
| 29.0000 | 34.4730 | 5.65238 | 11.07845 | 5.65240 | 0.00002 |
| 32.5000 | 34.4676 | 6.02202 | 11.40889 | 6.02212 | 0.00010 |

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