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SENSOR SERIAL NUMBER: 1815
CALIBRATION DATE: 07-May-19

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

COEFFICIENTS:

```
g =  -4.05006850e+000
h =   4.83611716e-001
i =   1.02654606e-003
j =  -1.47101755e-005

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 | 2.88544 | 0.00000 | 0.00000 |
| 1.0000 | 34.8061 | 2.97518 | 8.29617 | 2.97516 | -0.00002 |
| 4.5000 | 34.7859 | 3.28214 | 8.66225 | 3.28215 | 0.00001 |
| 15.0000 | 34.7429 | 4.26356 | 9.73927 | 4.26361 | 0.00004 |
| 18.5000 | 34.7337 | 4.60859 | 10.09010 | 4.60858 | -0.00002 |
| 24.0000 | 34.7229 | 5.16627 | 10.63232 | 5.16622 | -0.00004 |
| 29.0000 | 34.7138 | 5.68742 | 11.11480 | 5.68744 | 0.00002 |
| 32.5000 | 34.7062 | 6.05896 | 11.44632 | 6.05925 | 0.00029 |

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