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SENSOR SERIAL NUMBER: 0350
CALIBRATION DATE: 27-Jan-21

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

COEFFICIENTS:

```
g =  -9.89711044e+000
h =   1.13378769e+000
i =  -3.12285844e-003
j =   3.04620011e-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) |
|---|---|---|---|---|---|
| 22.0000 | 0.0000 | 0.00000 | 2.96314 | 0.00000 | 0.00000 |
| 0.9999 | 34.6630 | 2.96410 | 5.92576 | 2.96411 | 0.00001 |
| 4.4999 | 34.6434 | 3.27001 | 6.15040 | 3.27000 | -0.00000 |
| 14.9999 | 34.6027 | 4.24816 | 6.81851 | 4.24814 | -0.00002 |
| 18.4999 | 34.5943 | 4.59208 | 7.03808 | 4.59206 | -0.00002 |
| 23.9999 | 34.5855 | 5.14806 | 7.37896 | 5.14810 | 0.00003 |
| 29.0000 | 34.5815 | 5.66817 | 7.68377 | 5.66819 | 0.00002 |
| 32.5000 | 34.5799 | 6.03941 | 7.89391 | 6.03939 | -0.00002 |

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