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SENSOR SERIAL NUMBER: 1527
CALIBRATION DATE: 07-Aug-22

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

COEFFICIENTS:

```
g = -1.023269e+000
h =  1.557606e-001
i =  8.259204e-005
j =  2.330498e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.6276e-006
```

| 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 | 2560.07 | 0.00000 | 0.00000 |
| 1.0000 | 34.6665 | 2.96438 | 5043.45 | 2.96439 | 0.00001 |
| 4.5000 | 34.6475 | 3.27036 | 5232.36 | 3.27036 | -0.00000 |
| 15.0000 | 34.6068 | 4.24862 | 5794.36 | 4.24860 | -0.00003 |
| 18.5000 | 34.5986 | 4.59260 | 5979.18 | 4.59260 | 0.00000 |
| 24.0000 | 34.5897 | 5.14863 | 6266.13 | 5.14867 | 0.00003 |
| 29.0000 | 34.5845 | 5.66861 | 6522.72 | 5.66859 | -0.00002 |
| 32.5000 | 34.5804 | 6.03949 | 6699.51 | 6.03932 | -0.00017 |

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