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SENSOR SERIAL NUMBER: 1855
CALIBRATION DATE: 09-Jul-19

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

COEFFICIENTS:

```
g = -9.446657e-001
h =  1.351308e-001
i = -1.032900e-004
j =  3.157861e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.7355e-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 | 2644.35 | 0.00000 | 0.00000 |
| 1.0000 | 34.7882 | 2.97379 | 5377.81 | 2.97379 | -0.00001 |
| 4.5000 | 34.7698 | 3.28077 | 5583.44 | 3.28078 | 0.00002 |
| 15.0000 | 34.7329 | 4.26246 | 6194.32 | 4.26244 | -0.00003 |
| 18.5000 | 34.7261 | 4.60769 | 6394.96 | 4.60770 | 0.00000 |
| 24.0000 | 34.7194 | 5.16580 | 6706.24 | 5.16583 | 0.00002 |
| 29.0000 | 34.7165 | 5.68781 | 6984.40 | 5.68780 | -0.00001 |
| 32.5000 | 34.7145 | 6.06024 | 7176.05 | 6.06024 | -0.00000 |

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