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SENSOR SERIAL NUMBER: 2025
CALIBRATION DATE: 23-May-21

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

COEFFICIENTS:

```
g = -1.014070e+000
h =  1.402057e-001
i = -1.109818e-004
j =  3.274569e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.2934e-007
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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	2689.94	0.00000	0.00000
1.0000	34.6487	2.96300	5319.61	2.96301	0.00001
4.5000	34.6294	3.26882	5519.40	3.26881	-0.00001
15.0000	34.5884	4.24660	6113.64	4.24659	-0.00002
18.5000	34.5797	4.59036	6308.96	4.59036	0.00000
24.0000	34.5700	5.14602	6612.15	5.14603	0.00001
29.0000	34.5640	5.66563	6883.21	5.66564	0.00001
32.5000	34.5584	6.03608	7069.90	6.03607	-0.00001

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = 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