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SENSOR SERIAL NUMBER: 1858
CALIBRATION DATE: 10-Jan-25

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

COEFFICIENTS:

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g = -1.036089e+000
h =  1.453408e-001
i = -1.487429e-004
j =  3.449718e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.6484e-006
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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	2671.21	0.00000	0.00000
1.0000	34.6834	2.96569	5244.22	2.96571	0.00002
4.5000	34.6620	3.27160	5440.13	3.27158	-0.00001
14.9999	34.6160	4.24962	6023.10	4.24960	-0.00002
18.5000	34.6057	4.59344	6214.77	4.59343	-0.00001
24.0000	34.5938	5.14917	6512.37	5.14922	0.00004
29.0000	34.5870	5.66897	6778.52	5.66897	-0.00001
32.5000	34.5833	6.03994	6962.07	6.03993	-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