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SENSOR SERIAL NUMBER: 3766
CALIBRATION DATE: 05-Jan-25

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

COEFFICIENTS:

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g = -1.048162e+000
h =  1.348541e-001
i = -1.404614e-004
j =  2.837698e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.0064e-005
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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	2790.01	0.00000	0.00000
1.0000	34.7162	2.96822	5455.85	2.96823	0.00001
4.5000	34.6952	3.27442	5659.37	3.27441	-0.00001
15.0000	34.6491	4.25327	6265.12	4.25327	-0.00000
18.5000	34.6389	4.59737	6464.34	4.59735	-0.00001
24.0000	34.6270	5.15357	6773.73	5.15358	0.00001
29.0000	34.6201	5.67379	7050.53	5.67381	0.00002
32.5000	34.6166	6.04509	7241.43	6.04508	-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