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SENSOR SERIAL NUMBER: 2024
CALIBRATION DATE: 19-Jun-18

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

COEFFICIENTS:

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g = -9.954979e-001
h =  1.474281e-001
i = -9.621156e-005
j =  3.343230e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.8161e-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	2598.65	0.00000	0.00000
1.0000	34.8276	2.97684	5183.77	2.97685	0.00001
4.5000	34.8082	3.28404	5379.53	3.28402	-0.00002
15.0000	34.7661	4.26611	5961.58	4.26609	-0.00001
18.5000	34.7573	4.61139	6152.85	4.61140	0.00001
24.0000	34.7475	5.16952	6449.71	5.16953	0.00001
29.0000	34.7424	5.69158	6715.15	5.69157	-0.00001
32.5001	34.7391	6.06406	6898.10	6.06406	-0.00000

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