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SENSOR SERIAL NUMBER: 2025
CALIBRATION DATE: 07-Mar-18

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

COEFFICIENTS:

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g = -1.015282e+000
h =  1.403341e-001
i = -9.115887e-005
j =  3.031804e-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	2689.97	0.00000	0.00000
1.0000	34.6087	2.95991	5315.23	2.95989	-0.00002
4.5000	34.5889	3.26538	5514.78	3.26540	0.00002
15.0000	34.5470	4.24206	6108.30	4.24206	0.00000
18.5001	34.5381	4.58544	6303.39	4.58543	-0.00001
24.0000	34.5280	5.14046	6606.25	5.14046	0.00000
28.9999	34.5217	5.65946	6877.04	5.65946	-0.00001
32.5000	34.5176	6.02977	7063.72	6.02977	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