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SENSOR SERIAL NUMBER: 0399
CALIBRATION DATE: 09-Dec-17

SBE 45 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.791122e-001
h =  1.431878e-001
i = -4.973873e-004
j =  5.762149e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.9909e-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	2623.26	0.00000	0.00000
1.0000	34.7464	2.97056	5270.86	2.97056	0.00000
4.5000	34.7270	3.27713	5471.15	3.27713	0.00001
15.0000	34.6851	4.25722	6066.39	4.25720	-0.00001
18.4999	34.6764	4.60180	6261.93	4.60180	-0.00000
24.0000	34.6670	5.15887	6565.37	5.15887	0.00001
29.0000	34.6620	5.67988	6836.60	5.67990	0.00002
32.5000	34.6593	6.05170	7023.50	6.05169	-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