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SENSOR SERIAL NUMBER: 0340
CALIBRATION DATE: 06-Oct-17

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

COEFFICIENTS:

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g = -1.003167e+000
h =  1.699766e-001
i = -4.248488e-004
j =  6.290484e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.3694e-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	2434.07	0.00000	0.00000
1.0000	34.8770	2.98066	4849.53	2.98066	0.00000
4.5000	34.8573	3.28821	5032.71	3.28821	0.00000
14.9999	34.8151	4.27147	5577.42	4.27146	-0.00001
18.5000	34.8059	4.61714	5756.42	4.61713	-0.00001
23.9999	34.7975	5.17613	6034.24	5.17588	-0.00025
29.0000	34.7888	5.69832	6282.60	5.69836	0.00004
32.4999	34.7841	6.07100	6453.69	6.07098	-0.00002

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