Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0092
CALIBRATION DATE: 05-Feb-15

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

COEFFICIENTS:

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g = -9.851285e-001
h =  1.510695e-001
i = -2.787593e-004
j =  4.499006e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.1539e-005
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2556.85	0.00000	0.00000
1.0000	34.8664	2.97984	5127.25	2.97984	0.00000
4.5000	34.8464	3.28728	5321.58	3.28728	-0.00000
15.0000	34.8034	4.27020	5899.24	4.27020	0.00000
18.5000	34.7942	4.61575	6089.01	4.61576	0.00000
24.0000	34.7841	5.17437	6383.52	5.17436	-0.00000
29.0000	34.7787	5.69685	6646.83	5.69684	-0.00001
32.5000	34.7759	6.06974	6828.34	6.06975	0.00001

f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

Conductiv ity = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$ Siemens / meter

t = temperatur e[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = instrument conductivity - bath conductivity