Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 07-Mar-15

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

COEFFICIENTS:

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g = -1.047536e+000
h =  1.520410e-001
i = -9.402071e-005
j =  3.104984e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.4102e-006
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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	2625.37	0.00000	0.00000
1.0000	34.6169	2.96054	5128.77	2.96055	0.00001
4.5000	34.5970	3.26607	5319.98	3.26606	-0.00001
15.0000	34.5542	4.24285	5889.15	4.24283	-0.00002
18.5000	34.5450	4.58625	6076.37	4.58624	-0.00000
24.0000	34.5350	5.14139	6367.15	5.14140	0.00002
29.0000	34.5298	5.66065	6627.32	5.66066	0.00001
32.5000	34.5274	6.03128	6806.77	6.03127	-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