Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3768
CALIBRATION DATE: 07-Feb-14

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

COEFFICIENTS:

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g = -1.046135e+000
h =  1.621082e-001
i = -1.108971e-004
j =  3.791645e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -7.3132e-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	2540.83	0.00000	0.00000
1.0000	34.7303	2.96931	4971.08	2.96932	0.00000
4.4999	34.7106	3.27572	5156.54	3.27573	0.00000
15.0000	34.6681	4.25535	5708.51	4.25534	-0.00001
18.5000	34.6590	4.59975	5890.04	4.59975	0.00000
23.9999	34.6489	5.15646	6171.94	5.15647	0.00001
29.0001	34.6428	5.67710	6424.09	5.67710	-0.00000
32.5001	34.6392	6.04860	6597.96	6.04860	-0.00000

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

Conductivity = $(g + hf^2 + if^3 + jf^4) / (1 + \delta t + \varepsilon p)$ Siemens/meter

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

Residual = instrument conductivity - bath conductivity