Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3766
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 = -1.047616e+000
h =  1.346824e-001
i = -1.145651e-004
j =  2.941656e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.0064e-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	2790.23	0.00000	0.00000
1.0000	34.7303	2.96931	5456.21	2.96932	0.00000
4.4999	34.7106	3.27572	5659.69	3.27571	-0.00001
15.0000	34.6681	4.25535	6265.31	4.25536	0.00000
18.5000	34.6590	4.59975	6464.47	4.59977	0.00002
23.9999	34.6489	5.15646	6773.70	5.15643	-0.00003
29.0001	34.6428	5.67710	7050.34	5.67711	0.00001
32.5001	34.6392	6.04860	7241.07	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