Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0811
CALIBRATION DATE: 25-Apr-12

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

COEFFICIENTS:

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g = -1.080139e+000
h =  1.503203e-001
i = -3.795766e-004
j =  5.134967e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -7.3368e-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	2688.57	0.00000	0.00000
1.0000	34.9210	2.98406	5210.02	2.98405	-0.00001
4.5000	34.9009	3.29192	5403.90	3.29193	0.00001
15.0000	34.8583	4.27622	5981.38	4.27622	-0.00000
18.5000	34.8493	4.62227	6171.45	4.62228	0.00001
24.0000	34.8397	5.18172	6466.75	5.18172	-0.00000
29.0000	34.8348	5.70501	6731.06	5.70499	-0.00001
32.5000	34.8327	6.07853	6913.45	6.07854	0.00001

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