Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2341
CALIBRATION DATE: 06-Feb-14

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

COEFFICIENTS:

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g = -1.030538e+000
h =  1.545949e-001
i = -1.531143e-004
j =  4.046105e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.0978e-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	2582.80	0.00000	0.00000
1.0000	34.6850	2.96581	5079.95	2.96579	-0.00001
4.5000	34.6651	3.27186	5270.02	3.27188	0.00002
15.0000	34.6223	4.25033	5835.41	4.25034	0.00001
18.5000	34.6129	4.59429	6021.25	4.59427	-0.00001
24.0000	34.6024	5.15031	6309.80	5.15031	-0.00000
29.0000	34.5961	5.67030	6567.83	5.67030	0.00000
32.5000	34.5917	6.04124	6745.67	6.04124	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