Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2322
CALIBRATION DATE: 07-Jun-12

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

COEFFICIENTS:

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g = -1.077250e+000
h =  1.516068e-001
i = -1.745101e-004
j =  3.805504e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.3120e-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	2667.24	0.00000	0.00000
1.0000	34.8298	2.97701	5169.30	2.97700	-0.00001
4.5000	34.8092	3.28412	5360.75	3.28413	0.00001
15.0000	34.7657	4.26606	5930.75	4.26607	0.00001
18.5000	34.7564	4.61128	6118.25	4.61127	-0.00000
24.0000	34.7460	5.16932	6409.46	5.16931	-0.00001
29.0000	34.7397	5.69118	6669.98	5.69119	0.00001
32.5000	34.7354	6.06348	6849.58	6.06347	-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