SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2333
CALIBRATION DATE: 10-Sep-11

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

COEFFICIENTS:

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g = -9.905013e-001
h =  1.548373e-001
i = -2.879133e-004
j =  5.135510e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.2476e-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	2532.25	0.00000	0.00000
0.9999	35.0442	2.99357	5074.80	2.99358	0.00001
4.4999	35.0242	3.30239	5266.96	3.30240	0.00001
15.0000	34.9803	4.28959	5837.97	4.28954	-0.00005
18.5000	34.9702	4.63657	6025.53	4.63659	0.00001
24.0000	34.9595	5.19756	6316.59	5.19757	0.00000
29.0000	34.9520	5.72203	6576.69	5.72210	0.00007
32.5000	34.9446	6.09582	6755.64	6.09578	-0.00005

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