SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0473
CALIBRATION DATE: 07-Jul-10

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

COEFFICIENTS:

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g = -1.086891e+000
h =  1.491181e-001
i = -4.278313e-004
j =  5.367465e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -6.9823e-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	2708.81	0.00000	0.00000
0.9999	34.6588	2.96377	5225.61	2.96376	-0.00002
4.5000	34.6390	3.26964	5419.52	3.26967	0.00003
15.0000	34.5960	4.24744	5997.05	4.24741	-0.00003
18.5000	34.5867	4.59119	6187.18	4.59120	0.00001
24.0000	34.5767	5.14691	6482.57	5.14692	0.00001
29.0000	34.5708	5.66662	6746.93	5.66662	0.00000
32.5000	34.5676	6.03751	6929.31	6.03750	-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