Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 14-Dec-11

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

COEFFICIENTS:

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g = -9.967208e-001
h =  1.500279e-001
i = -1.416375e-004
j =  3.774716e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.3329e-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	2578.34	0.00000	0.00000
1.0000	34.9392	2.98547	5147.34	2.98547	0.00001
4.5000	34.9188	3.29344	5341.76	3.29344	-0.00000
14.9999	34.8744	4.27798	5919.75	4.27795	-0.00002
18.4999	34.8645	4.62406	6109.65	4.62407	0.00001
23.9999	34.8529	5.18346	6404.36	5.18348	0.00002
29.0000	34.8441	5.70636	6667.68	5.70634	-0.00002
32.5001	34.8370	6.07920	6849.07	6.07920	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