Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2325
CALIBRATION DATE: 09-Dec-11

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

COEFFICIENTS:

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g = -9.853066e-001
h =  1.392962e-001
i = -1.251594e-004
j =  3.165243e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -5.9812e-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	2660.81	0.00000	0.00000
1.0000	34.9860	2.98908	5337.10	2.98911	0.00003
4.4999	34.9656	3.29741	5539.42	3.29739	-0.00002
15.0000	34.9212	4.28312	6140.95	4.28308	-0.00004
18.5000	34.9111	4.62958	6338.58	4.62959	0.00001
24.0000	34.8997	5.18966	6645.28	5.18969	0.00003
29.0000	34.8919	5.71330	6919.40	5.71332	0.00001
32.5000	34.8848	6.08658	7108.15	6.08656	-0.00002

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