Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1806
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 = -9.980571e-001
h =  1.359318e-001
i = -1.769715e-004
j =  3.595709e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.9667e-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	2711.77	0.00000	0.00000
1.0000	34.9860	2.98908	5414.00	2.98910	0.00001
4.4999	34.9656	3.29741	5618.49	3.29740	-0.00001
15.0000	34.9212	4.28312	6226.44	4.28310	-0.00002
18.5000	34.9111	4.62958	6426.15	4.62959	0.00001
24.0000	34.8997	5.18966	6736.09	5.18966	0.00000
29.0000	34.8919	5.71330	7013.09	5.71332	0.00001
32.5000	34.8848	6.08658	7203.80	6.08657	-0.00001

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