Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3764
CALIBRATION DATE: 18-Jan-12

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

COEFFICIENTS:

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g = -1.043989e+000
h =  1.639589e-001
i = -4.603530e-004
j =  5.806586e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.4902e-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	2529.23	0.00000	0.00000
0.9997	34.9500	2.98627	4970.85	2.98627	-0.00000
15.0000	34.8847	4.27911	5710.44	4.27913	0.00002
18.5000	34.8748	4.62529	5892.41	4.62528	-0.00001
24.0000	34.8635	5.18487	6174.98	5.18487	-0.00000
29.0000	34.8553	5.70799	6427.59	5.70798	-0.00000
32.5000	34.8479	6.08088	6601.58	6.08088	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