Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3765
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 = -1.029535e+000
h =  1.418575e-001
i = -3.096324e-004
j =  4.378922e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.7050e-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	2699.16	0.00000	0.00000
0.9997	34.9500	2.98627	5328.28	2.98629	0.00002
15.0000	34.8847	4.27911	6123.36	4.27907	-0.00005
18.5000	34.8748	4.62529	6319.00	4.62529	0.00000
24.0000	34.8635	5.18487	6622.68	5.18490	0.00003
29.0000	34.8553	5.70799	6894.13	5.70802	0.00003
32.5000	34.8479	6.08088	7081.04	6.08084	-0.00003

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