Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 17-Dec-11

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

COEFFICIENTS:

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g = -1.044619e+000
h =  1.316054e-001
i = -1.450414e-004
j =  2.969979e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.1560e-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	2819.46	0.00000	0.00000
1.0000	34.9710	2.98792	5533.25	2.98795	0.00002
4.5000	34.9508	3.29616	5740.05	3.29613	-0.00002
15.0000	34.9065	4.28150	6355.44	4.28149	-0.00001
24.0000	34.8842	5.18761	6871.86	5.18765	0.00004
29.0000	34.8742	5.71073	7152.56	5.71069	-0.00004
32.4999	34.8627	6.08315	7345.71	6.08316	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