SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 19-Aug-11

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

COEFFICIENTS:

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g = -1.083521e+000
h =  1.687183e-001
i = -2.329261e-004
j =  4.934067e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.0910e-005
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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	2535.93	0.00000	0.00000
1.0000	34.9919	2.98954	4912.66	2.98952	-0.00002
4.4999	34.9715	3.29791	5094.47	3.29794	0.00003
15.0000	34.9279	4.28385	5635.65	4.28382	-0.00003
18.5000	34.9186	4.63047	5813.70	4.63049	0.00001
24.0000	34.9080	5.19075	6090.16	5.19076	0.00000
29.0000	34.9006	5.71457	6337.39	5.71457	-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