Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0041
CALIBRATION DATE: 01-Oct-13

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

COEFFICIENTS:

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g = -9.782797e-001
h =  1.501187e-001
i = -2.879137e-004
j =  4.747390e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.9558e-007
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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	2556.41	0.00000	0.00000
1.0000	34.7830	2.97339	5134.54	2.97339	-0.00000
4.5000	34.7625	3.28015	5329.41	3.28015	0.00000
15.0000	34.7183	4.26086	5908.60	4.26087	0.00001
18.5000	34.7091	4.60568	6098.87	4.60568	-0.00000
24.0000	34.6990	5.16310	6394.17	5.16310	-0.00001
29.0000	34.6938	5.68451	6658.18	5.68451	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