Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4303
CALIBRATION DATE: 20-Dec-13

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

COEFFICIENTS:

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g = -1.016527e+000
h =  1.377620e-001
i = -9.547794e-005
j =  2.896191e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -6.0412e-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	2717.04	0.00000	0.00000
1.0000	34.6996	2.96694	5371.06	2.96695	0.00001
4.5000	34.6796	3.27310	5572.81	3.27307	-0.00002
15.0000	34.6369	4.25193	6173.01	4.25194	0.00001
18.5000	34.6279	4.59607	6370.31	4.59607	0.00000
24.0000	34.6179	5.15237	6676.62	5.15236	-0.00000
29.0000	34.6118	5.67258	6950.54	5.67258	-0.00001
32.5000	34.6080	6.04376	7139.38	6.04376	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