Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 28-Jan-15

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

COEFFICIENTS:

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g = -1.000158e+000
h =  1.510845e-001
i = -4.099895e-004
j =  5.906954e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.3329e-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	2578.43	0.00000	0.00000
1.0000	34.7272	2.96907	5134.92	2.96911	0.00004
4.4999	34.7075	3.27546	5328.62	3.27542	-0.00004
15.0000	34.6642	4.25492	5904.60	4.25492	-0.00000
18.5000	34.6548	4.59925	6093.80	4.59924	-0.00002
24.0000	34.6445	5.15589	6387.47	5.15594	0.00005
29.0000	34.6388	5.67651	6649.93	5.67649	-0.00002
32.5000	34.6360	6.04810	6830.69	6.04771	-0.00039

f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

Conductiv ity = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$ Siemens / meter

t = temperatur e[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = instrument conductivity - bath conductivity