Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 11-Feb-15

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

COEFFICIENTS:

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g = -9.954489e-001
h =  1.498449e-001
i = -1.423918e-004
j =  3.735620e-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	2578.31	0.00000	0.00000
0.9999	34.6282	2.96141	5134.36	2.96141	0.00000
4.5000	34.6075	3.26696	5328.03	3.26696	0.00000
14.9999	34.5638	4.24389	5903.91	4.24387	-0.00002
18.4999	34.5542	4.58733	6093.15	4.58732	-0.00000
24.0000	34.5438	5.14255	6386.91	5.14256	0.00001
29.0000	34.5376	5.66179	6649.53	5.66180	0.00002
32.5000	34.5339	6.03229	6830.53	6.03228	-0.00001

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