Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3764 CALIBRATION DATE: 05-Feb-14

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

COEFFICIENTS:

g = -1.042912e+000	CPcor = -9.5700e-008
h = 1.634336e-001	CTcor = 3.2500e-006
i = -3.023722e-004	WBOTC = $9.4902e-006$
j = 4.604421e-005	

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2529.49	0.00000	0.00000
1.0000	34.7364	2.96979	4960.59	2.96978	-0.00001
4.5000	34.7166	3.27624	5146.00	3.27625	0.00001
15.0000	34.6741	4.25601	5697.76	4.25602	0.00001
18.5000	34.6649	4.60045	5879.19	4.60044	-0.00001
24.0000	34.6546	5.15723	6160.94	5.15722	-0.00001
29.0000	34.6484	5.67791	6412.95	5.67791	0.00000

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

Conductivity = $(g + hf^2 + if^3 + jf^4) / (1 + \delta t + \epsilon p)$ Siemens/meter

t = temperature[°C); p = pressure[decibars]; $\delta = CTcor$; $\epsilon = CPcor$;

Residual = instrument conductivity - bath conductivity

Date, Slope Correction

