SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 1852 CALIBRATION DATE: 19-Jan-11

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

COEFFICIENTS:

g = -1.051452e + 000	CPcor = -9.5700e-008
h = 1.497552e - 001	CTcor = 3.2500e-006
i = -8.112802e - 005	WBOTC = $1.0378e-006$
j = 3.199604e - 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	2649.63	0.0000	0.0000
1.0000	34.7907	2.97399	5177.06	2.97400	0.00001
4.5000	34.7706	3.28084	5369.86	3.28082	-0.00002
15.0000	34.7270	4.26182	5943.70	4.26180	-0.00001
18.5000	34.7176	4.60669	6132.42	4.60671	0.00002
23.9999	34.7076	5.16423	6425.48	5.16424	0.00001
29.0000	34.7015	5.68563	6687.60	5.68561	-0.00002
32.4999	34.6968	6.05749	6868.28	6.05750	0.00001

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

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

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

Residual = instrument conductivity - bath conductivity

Date, Slope Correction

