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: 2490 CALIBRATION DATE: 16-Dec-10

SBE4 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

g	=	-9.92583298e+000	
h	=	1.51048869e+000	
i	=	8.73078822e-005	
j	=	8.49607370e-005	

CPcor = -9.5700e-008 (nominal) CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.40565062e - 004b = 1.51050550e + 000c = -9.92584986e+000d = -8.43712024e-005

m = 3.8

CPcor = -9.5700e-008 (nominal)

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.56279	0.00000	0.00000
-1.0000	34.8739	2.80878	5.01235	2.80879	0.00001
1.0000	34.8742	2.98044	5.12410	2.98044	-0.00000
15.0000	34.8741	4.27795	5.90035	4.27793	-0.00002
18.5000	34.8729	4.62507	6.09117	4.62508	0.00002
29.0000	34.8687	5.70993	6.65204	5.70994	0.00000
32.5000	34.8587	6.08255	6.83397	6.08254	-0.00000

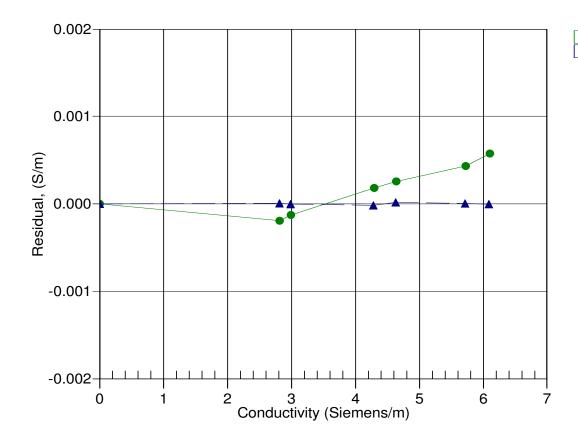
Conductivity = $(g + hf^2 + if^3 + jf^4)/10(1 + \delta t + \epsilon p)$ Siemens/meter

Conductivity = $(af^{m} + bf^{2} + c + dt) / [10 (1 + \epsilon p)]$ Siemens/meter

 $t = temperature[^{\circ}C)$; p = pressure[decibars]; $\delta = CTcor$; $\epsilon = CPcor$;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients

Date, Slope Correction



17-Jun-08 0.9999448 ▲ 16-Dec-10 1.0000000