

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: 1538
CALIBRATION DATE: 09-Jun-11

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

GHIJ COEFFICIENTS

g = -4.21139254e+000
h = 4.71289541e-001
i = -1.59937717e-004
j = 2.92408534e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 9.14278387e-006
b = 4.70762149e-001
c = -4.20950371e+000
d = -8.06429411e-005
m = 4.3
CPcor = -9.5700e-008 (nominal)

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.98998	0.00000	0.00000
-1.0000	34.8798	2.80921	8.27308	2.80920	-0.00001
1.0000	34.8801	2.98090	8.48951	2.98092	0.00003
15.0001	34.8814	4.27876	9.97252	4.27874	-0.00002
18.5001	34.8815	4.62609	10.33280	4.62608	-0.00002
29.0001	34.8790	5.71144	11.38399	5.71152	0.00008
32.5000	34.8704	6.08435	11.72278	6.08430	-0.00005

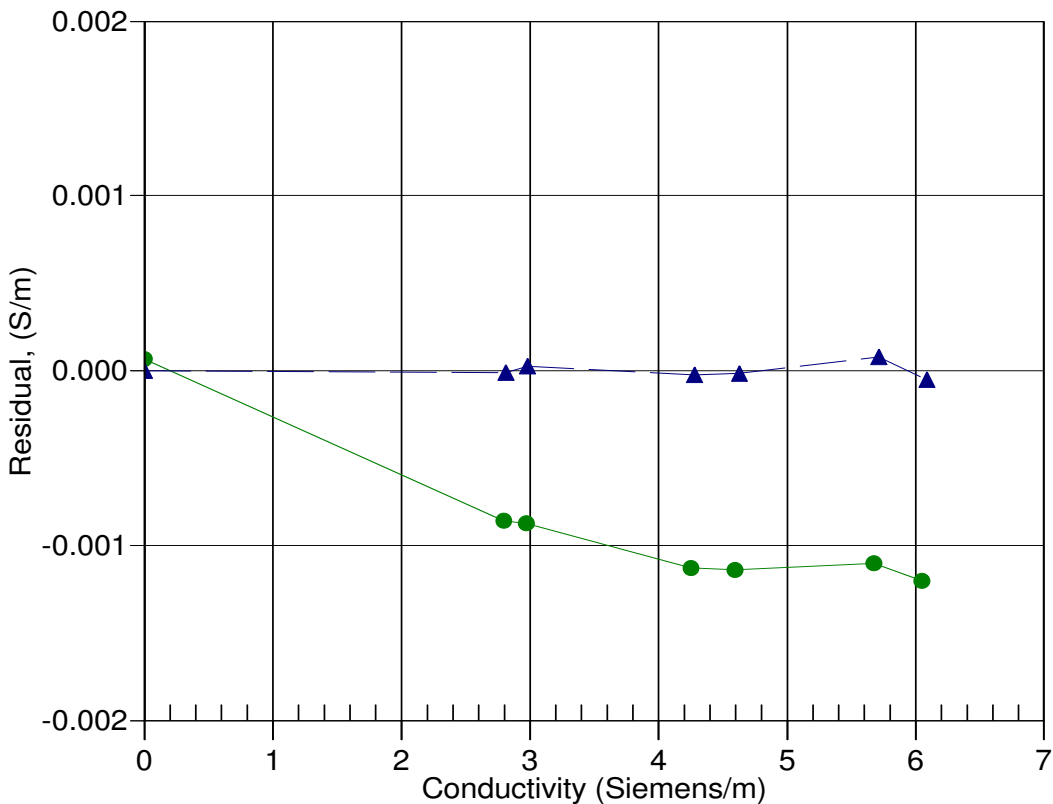
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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

t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ϵ = CPcor;

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

Date, Slope Correction



● 28-Jan-10 1.0002290
▲ 09-Jun-11 1.0000000