

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

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

SENSOR SERIAL NUMBER: 1346
CALIBRATION DATE: 19-Jun-09

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

GHIJ COEFFICIENTS

g = -4.07091505e+000
h = 5.35997666e-001
i = 3.03350485e-005
j = 2.97398850e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 4.05908184e-005
b = 5.36033204e-001
c = -4.07093332e+000
d = -8.22667838e-005
m = 3.9
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	2.75511	0.00000	0.00000
-1.0000	34.5102	2.78221	7.69942	2.78221	0.00000
1.0000	34.5104	2.95230	7.90137	2.95231	0.00002
15.0000	34.5118	4.23819	9.28500	4.23813	-0.00006
18.5000	34.5113	4.58225	9.62106	4.58227	0.00001
29.0000	34.5094	5.65768	10.60153	5.65777	0.00009
32.5000	34.5054	6.02788	10.91808	6.02781	-0.00006

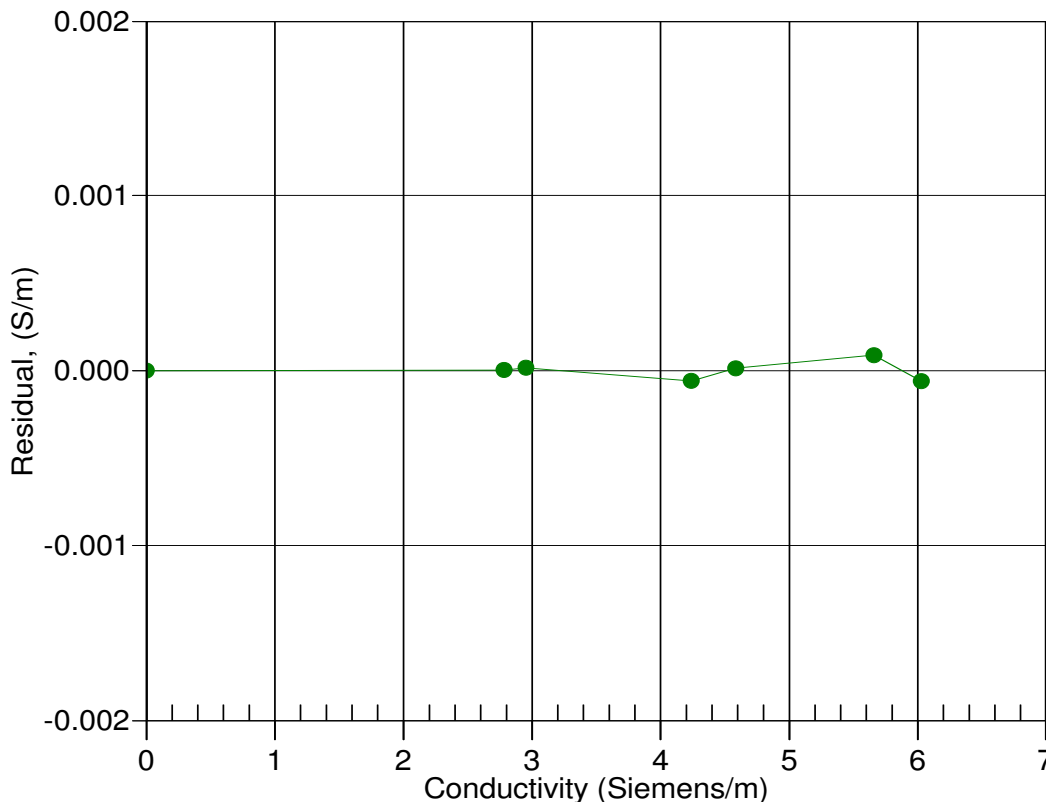
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



19-Jun-09 1.0000000