

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: 1074
CALIBRATION DATE: 21-Jun-11

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

GHIJ COEFFICIENTS

g = -4.03274900e+000
h = 5.49088774e-001
i = -3.19661288e-004
j = 4.62569689e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 5.79591174e-006
b = 5.48166991e-001
c = -4.03051242e+000
d = -8.96333586e-005
m = 4.6
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	2.71136	0.00000	0.00000
-1.0000	34.9375	2.81343	7.65207	2.81342	-0.00001
1.0000	34.9374	2.98533	7.85337	2.98535	0.00003
15.0000	34.9398	4.28516	9.23228	4.28512	-0.00003
18.5000	34.9399	4.63299	9.56710	4.63298	-0.00001
29.0001	34.9370	5.71987	10.54358	5.71995	0.00008
32.5001	34.9277	6.09322	10.85814	6.09317	-0.00005

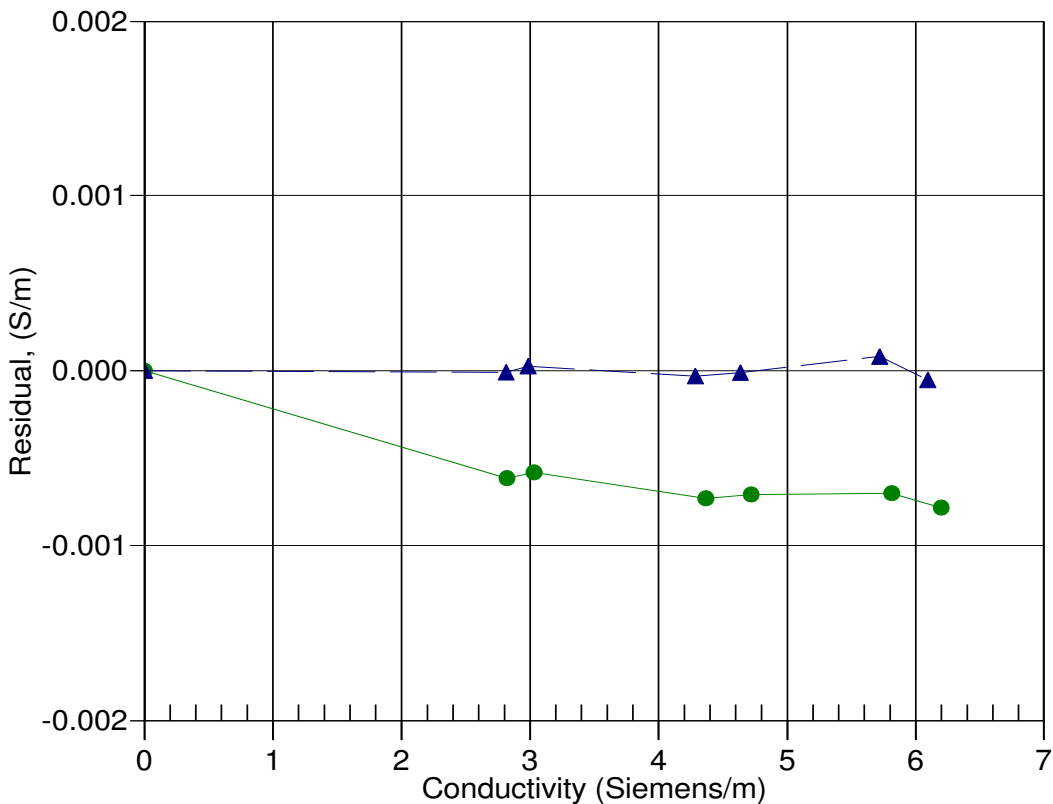
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 03-Apr-01 1.0001453
▲ 21-Jun-11 1.0000000