

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: 2039
CALIBRATION DATE: 23-Jul-09

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

GHIJ COEFFICIENTS

g = -1.03709995e+001
h = 1.27035315e+000
i = 1.29857550e-004
j = 4.63493437e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.42751446e-004
b = 1.27026633e+000
c = -1.03703757e+001
d = -8.14871021e-005
m = 3.6
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	2.85641	0.00000	0.00000
-1.0000	34.7637	2.80073	5.49187	2.80074	0.00001
1.0000	34.7646	2.97197	5.61288	2.97196	-0.00000
15.0000	34.7657	4.26606	6.45418	4.26606	0.00000
18.5000	34.7659	4.61240	6.66122	4.61237	-0.00003
29.0000	34.7634	5.69463	7.27011	5.69470	0.00007
32.5000	34.7583	6.06702	7.46800	6.06698	-0.00004

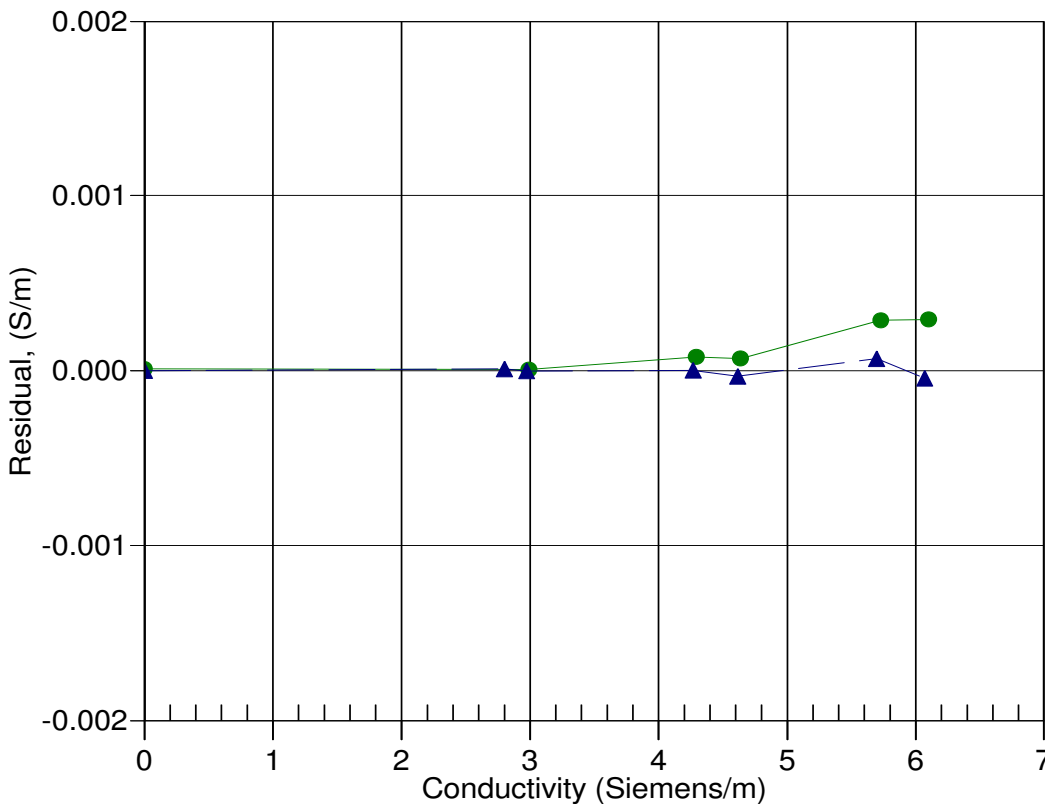
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 10-Jun-08 0.9999655
▲ 23-Jul-09 1.0000000