

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: 0670
CALIBRATION DATE: 29-Jul-08

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

GHIJ COEFFICIENTS

g = -4.31136184e+000
h = 4.57505573e-001
i = 3.60276357e-004
j = 3.08092287e-006
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.98762212e-004
b = 4.57650203e-001
c = -4.31173827e+000
d = -8.44183599e-005
m = 3.1
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	3.06600	0.00000	0.00000
-1.0001	33.8209	2.73172	8.28571	2.73173	0.00001
0.9999	33.8215	2.89888	8.50104	2.89888	0.00000
14.9999	33.8219	4.16229	9.97780	4.16227	-0.00003
18.4999	33.8207	4.50028	10.33676	4.50029	0.00001
28.9999	33.8155	5.55651	11.38477	5.55655	0.00004
32.5000	33.8071	5.91955	11.72298	5.91952	-0.00003

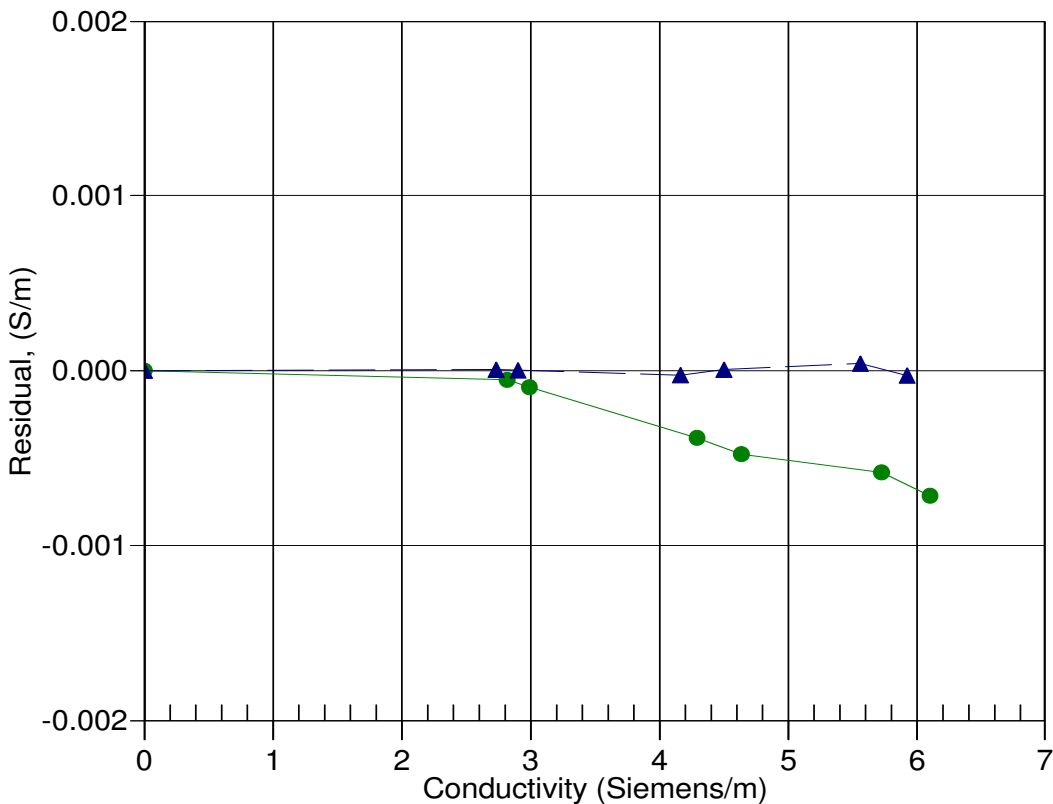
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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-Oct-07 1.0000947
▲ 29-Jul-08 1.0000000