

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: 2824
CALIBRATION DATE: 12-Mar-08

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

GHIJ COEFFICIENTS

g = -1.01342866e+001
h = 1.40229723e+000
i = 6.20167839e-004
j = 2.77801637e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 5.34913419e-004
b = 1.40240604e+000
c = -1.01342440e+001
d = -8.43633176e-005
m = 3.2
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	2.68651	0.00000	0.00000
-1.0000	34.7627	2.80066	5.20783	2.80062	-0.00004
1.0063	34.7627	2.97236	5.32363	2.97241	0.00004
15.0000	34.7640	4.26588	6.12530	4.26585	-0.00002
18.5000	34.7637	4.61214	6.32263	4.61218	0.00003
29.0000	34.7624	5.69448	6.90277	5.69444	-0.00004
32.5001	34.7554	6.06658	7.09123	6.06661	0.00003

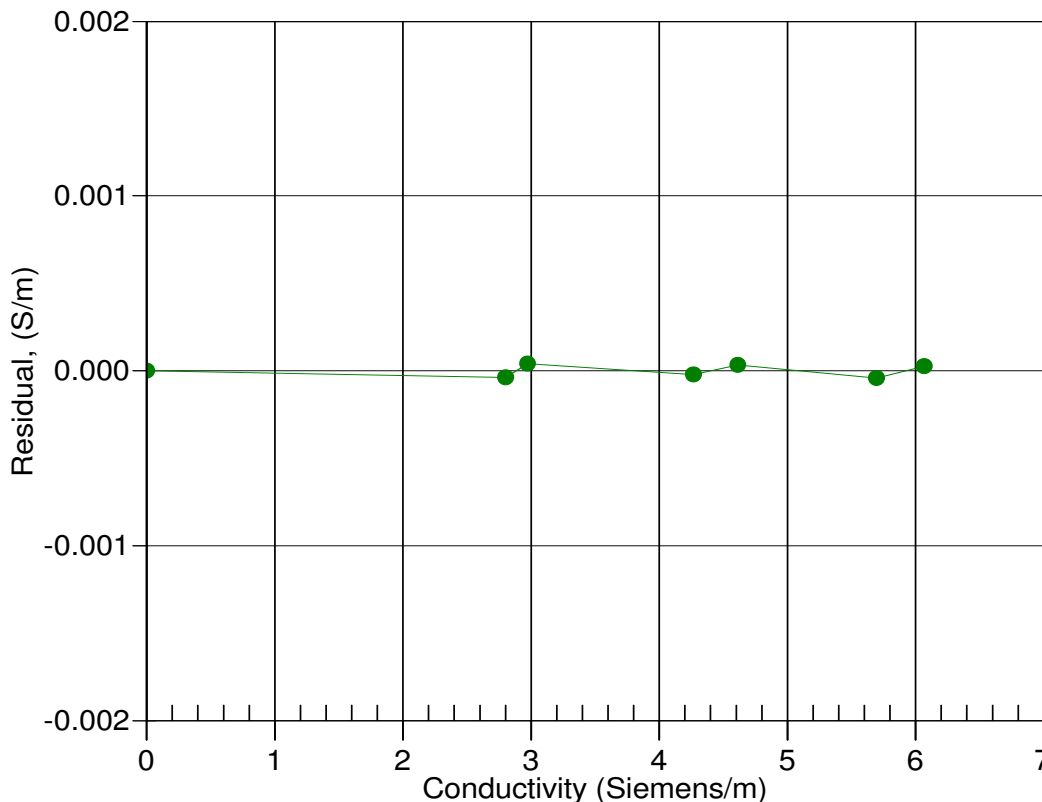
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



12-Mar-08 1.0000000