

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: 3021
CALIBRATION DATE: 31-Mar-06

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

GHIU COEFFICIENTS

g = -1.06349337e+001
h = 1.48620081e+000
i = 5.07936750e-004
j = 3.65172613e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 4.05929973e-004
b = 1.48637091e+000
c = -1.06350071e+001
d = -8.42461257e-005
m = 3.3
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	2.67357	0.00000	0.00000
-1.0000	34.8845	2.80956	5.09882	2.80954	-0.00002
1.0471	34.8848	2.98535	5.21311	2.98537	0.00002
15.0000	34.8852	4.27917	5.98706	4.27917	-0.00000
18.5000	34.8847	4.62646	6.17824	4.62645	-0.00001
29.0000	34.8829	5.71200	6.74075	5.71202	0.00002
32.5000	34.8787	6.08564	6.92371	6.08562	-0.00001

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

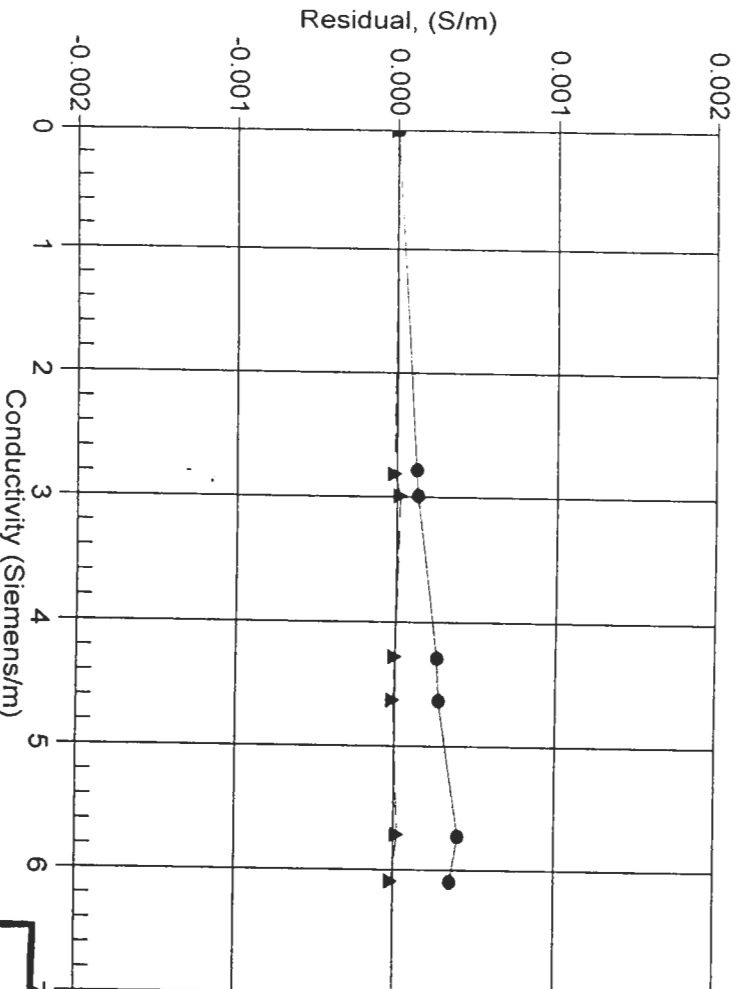
Conductivity = $(af^m + bf^2 + c + dt) / [10(1 + \epsilon p)]$ Siemens/meter

t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ϵ = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients

Date, Slope Correction

●	31-Aug-04	0.9999404
▲	31-Mar-06	1.0000000



**POST CRUISE
CALIBRATION**