

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: 1335
CALIBRATION DATE: 12-Apr-05

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

GHIJ COEFFICIENTS

g = -4.35416739e+000
h = 5.56627742e-001
i = -2.56347167e-003
j = 1.33894930e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 6.03638995e-022
b = 5.43513769e-001
c = -4.27901707e+000
d = 2.08611565e-004
m = 19.1
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	2.81244	0.00000	0.00000
-0.9998	34.9684	2.81570	7.72483	2.81567	-0.00003
1.0002	34.9685	2.98775	7.92737	2.98777	0.00002
15.0001	34.9693	4.28840	9.31563	4.28845	0.00005
18.5001	34.9694	4.63649	9.65280	4.63646	-0.00003
29.0002	34.9676	5.72432	10.63644	5.72429	-0.00004
32.5001	34.9617	6.09848	10.95379	6.09851	0.00003

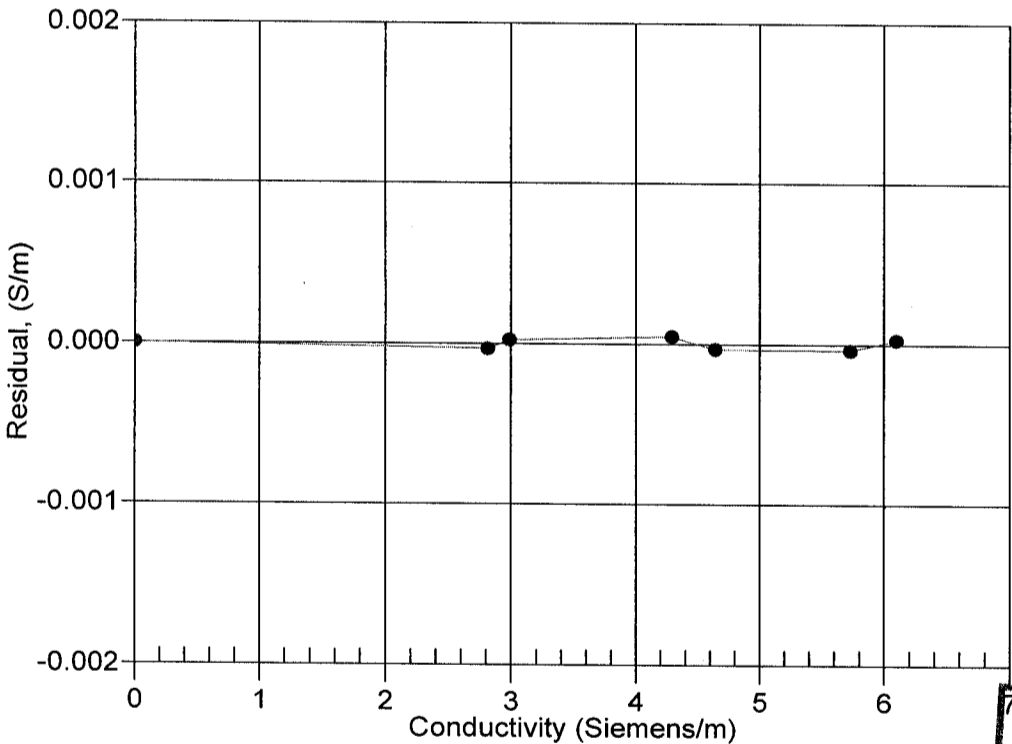
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



**CALIBRATION
AFTER
MODIFICATIONS**