

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1335  
CALIBRATION DATE: 23-Feb-07

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

GHJ coefficients

g = -3.97088436e+000  
h = 5.01675797e-001  
i = 1.60826318e-005  
j = 2.70248139e-005  
CPcor = -9.5700e-008 (nominal)  
CTcor = 3.2500e-006 (nominal)

ABCDM coefficients

a = 3.62248176e-005  
b = 5.01645805e-001  
c = -3.97053843e+000  
d = -7.96829386e-005  
m = 3.9  
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	2.81268	0.00000	0.00000
-1.0001	34.8787	2.80913	7.97968	2.80913	0.00000
0.9999	34.8788	2.98079	8.18976	2.98079	0.00001
14.9999	34.8788	4.27846	9.62862	4.27842	-0.00004
18.4999	34.8776	4.62561	9.97790	4.62563	0.00002
28.9999	34.8737	5.71065	10.99671	5.71068	0.00003
32.5000	34.8641	6.08338	11.32502	6.08336	-0.00002

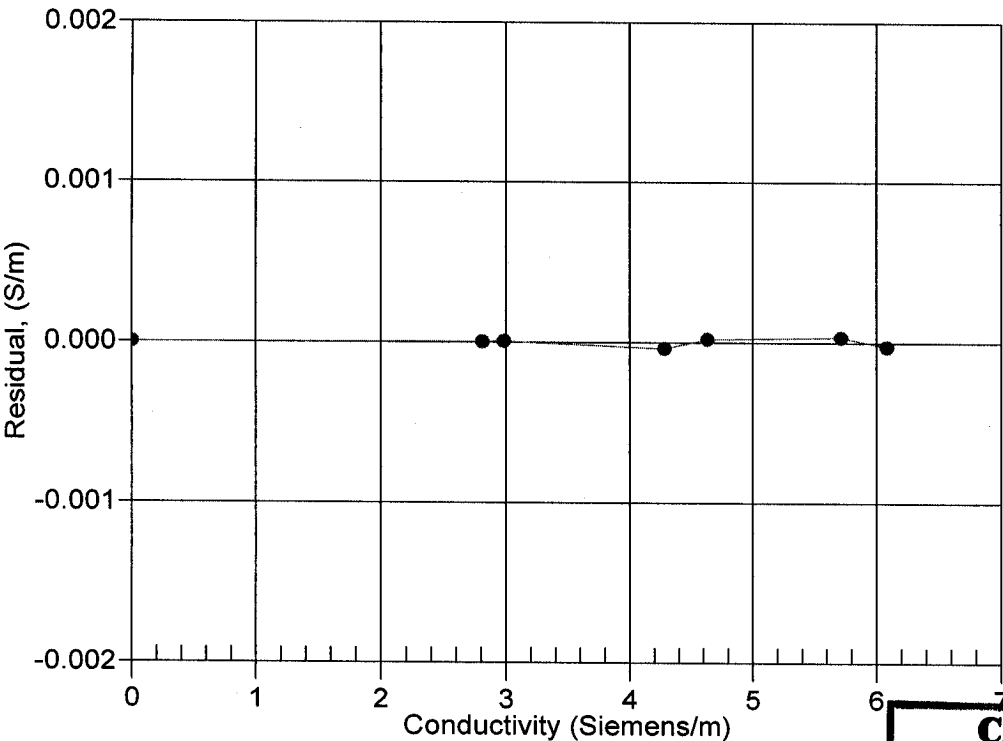
Conductivity = (g + hf<sup>2</sup> + if<sup>3</sup> + jf<sup>4</sup>) / 10(1 + δt + εp) Siemens/meter

Conductivity = (af<sup>m</sup> + bf<sup>2</sup> + c + dt) / [10 (1 + εp) 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  
● 23-Feb-07 1.0000000



CALIBRATION  
AFTER  
MODIFICATIONS