

SEA-BIRD ELECTRONICS, INC.

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PRIM.

SENSOR SERIAL NUMBER: 1499
CALIBRATION DATE: 03-Jul-07

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

GHIJ COEFFICIENTS

g = -4.11723268e+000
h = 5.04056884e-001
i = -2.16046210e-004
j = 3.53252356e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 8.02439804e-006
b = 5.03378378e-001
c = -4.11509390e+000
d = -8.24782386e-005
m = 4.4
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	2.85894	0.00000	0.00000
-1.0002	34.9392	2.81353	7.99494	2.81356	0.00003
0.9999	34.9398	2.98550	8.20466	2.98547	-0.00003
14.9998	34.9408	4.28525	9.64189	4.28525	0.00000
18.4998	34.9401	4.63299	9.99085	4.63300	0.00000
28.9999	34.9370	5.71985	11.00897	5.71984	-0.00000
32.4999	34.9298	6.09353	11.33743	6.09353	-0.00000

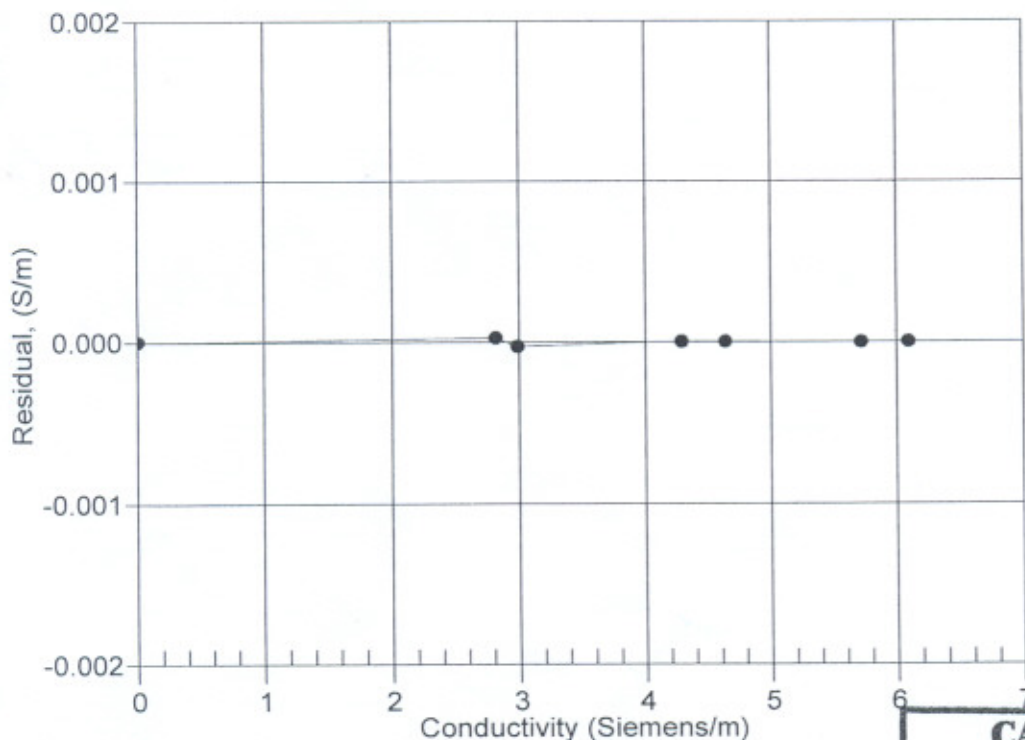
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 03-Jul-07 1.0000000

**CALIBRATION
AFTER
MODIFICATIONS**