

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0670
CALIBRATION DATE: 17-Jun-09

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

GHIJ COEFFICIENTS

g = -4.31488970e+000
h = 4.57980844e-001
i = 3.02856529e-004
j = 5.56031031e-006
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.13607054e-004
b = 4.58175100e-001
c = -4.31516743e+000
d = -8.19355565e-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	3.06617	0.00000	0.00000
-1.0000	34.6282	2.79083	8.36145	2.79086	0.00003
1.0000	34.6290	2.96148	8.57913	2.96145	-0.00003
15.0000	34.6301	4.25118	10.07221	4.25116	-0.00002
18.5000	34.6296	4.59627	10.43515	4.59630	0.00004
29.0000	34.6290	5.67508	11.49486	5.67506	-0.00002
32.5000	34.6244	6.04630	11.83729	6.04631	0.00001

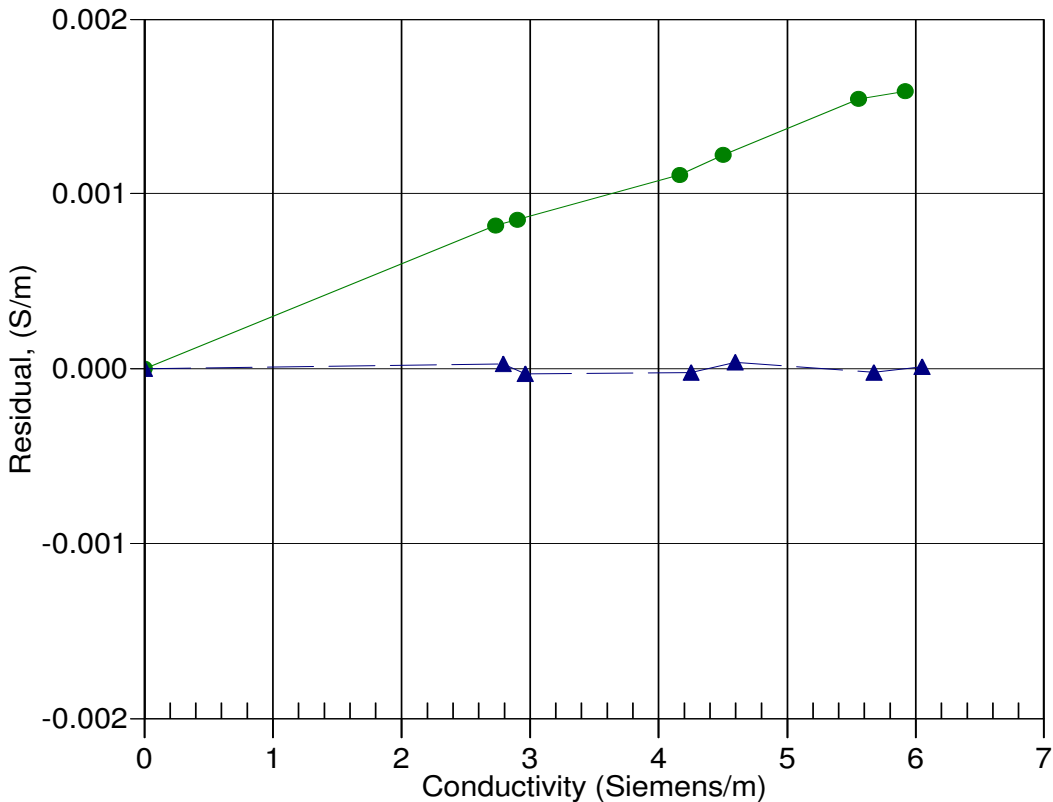
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 29-Jul-08 0.9997259
▲ 17-Jun-09 1.0000000