

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1054
CALIBRATION DATE: 17-Jun-09

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

GHIJ COEFFICIENTS

g = -4.09240243e+000
h = 5.92086392e-001
i = -1.24792022e-004
j = 4.09745865e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.95996260e-005
b = 5.91799331e-001
c = -4.09197292e+000
d = -8.80581029e-005
m = 4.2
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	2.62914	0.00000	0.00000
-1.0000	34.6282	2.79083	7.34371	2.79087	0.00004
1.0000	34.6290	2.96148	7.53631	2.96144	-0.00004
15.0000	34.6301	4.25118	8.85638	4.25115	-0.00003
18.5000	34.6296	4.59627	9.17702	4.59631	0.00004
29.0000	34.6290	5.67508	10.11255	5.67507	-0.00002
32.5000	34.6244	6.04630	10.41466	6.04631	0.00001

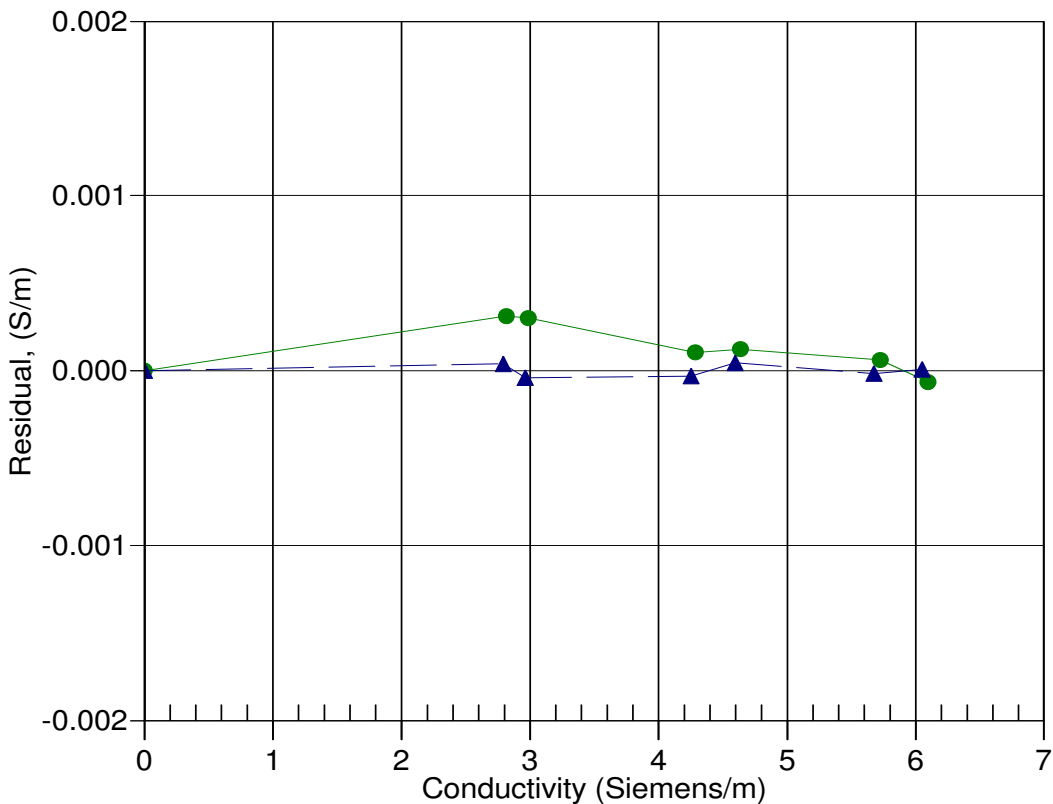
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 11-Oct-07 0.9999785
▲ 17-Jun-09 1.0000000