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SENSOR SERIAL NUMBER: 1346
CALIBRATION DATE: 17-Jun-04

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

GHIJ COEFFICIENTS

g = -3.96395199e+000
h = 5.21609586e-001
i = 1.61292422e-004
j = 3.12333718e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 6.81531498e-005
b = 5.22045663e-001
c = -3.96552925e+000
d = -9.16631764e-005
m = 3.8
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	2.75491	-0.00000	-0.00000
-1.0003	34.9544	2.81464	7.82227	2.81465	0.00001
0.9997	34.9549	2.98665	8.02802	2.98664	-0.00001
14.9997	34.9559	4.28689	9.43685	4.28687	-0.00002
18.4997	34.9557	4.63483	9.77878	4.63484	0.00001
28.9997	34.9541	5.72231	10.77593	5.72233	0.00002
32.4997	34.9494	6.09653	11.09774	6.09652	-0.00002

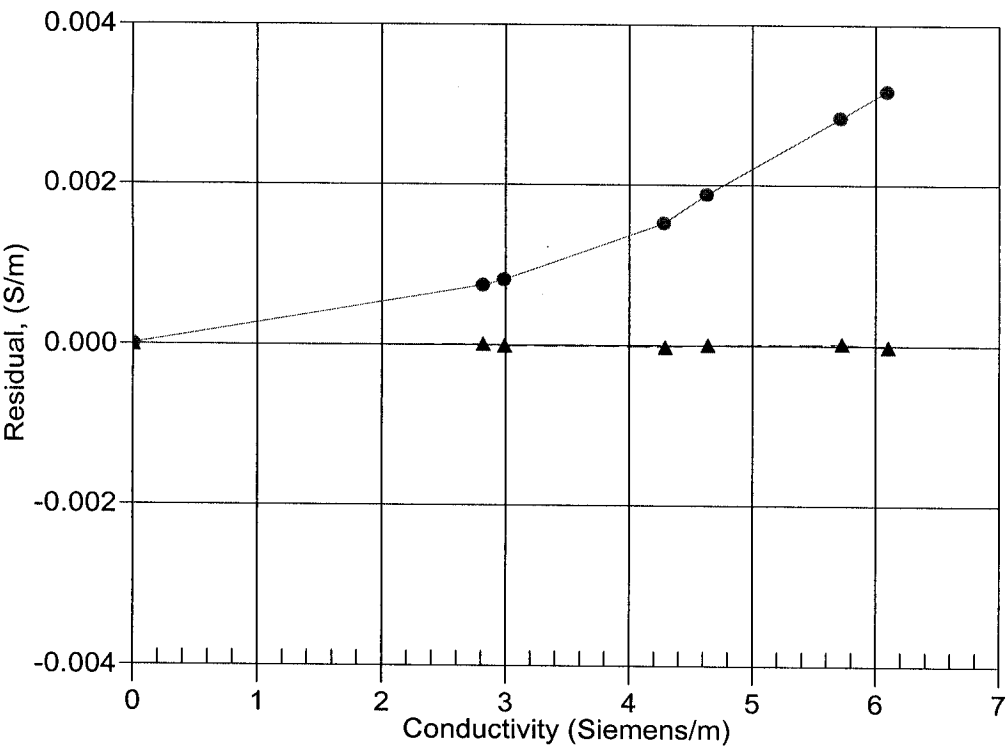
Conductivity = (g + hf² + if³ + jf⁴) / 10(1 + δt + εp) Siemens/meter

Conductivity = (af^m + bf² + 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



● 21-Aug-03 0.9995629
▲ 17-Jun-04 1.0000000

POST CRUISE
CALIBRATION