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SENSOR SERIAL NUMBER: 1347
CALIBRATION DATE: 18-Mar-05

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

GHIJ COEFFICIENTS

g = -3.81442168e+000
h = 4.91859992e-001
i = 3.91087053e-003
j = -1.32180394e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.06859488e-001
b = 3.83229764e-001
c = -3.81967209e+000
d = -4.56169883e-004
m = 2.1
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	2.75752	0.00000	0.00000
-1.0003	34.8340	2.80584	7.87120	2.80591	0.00006
0.9997	34.8346	2.97735	8.07713	2.97727	-0.00008
14.9997	34.8358	4.27372	9.48860	4.27370	-0.00003
18.4997	34.8356	4.62062	9.83154	4.62071	0.00009
28.9997	34.8331	5.70473	10.83236	5.70462	-0.00011
32.4997	34.8274	6.07767	11.15605	6.07774	0.00007

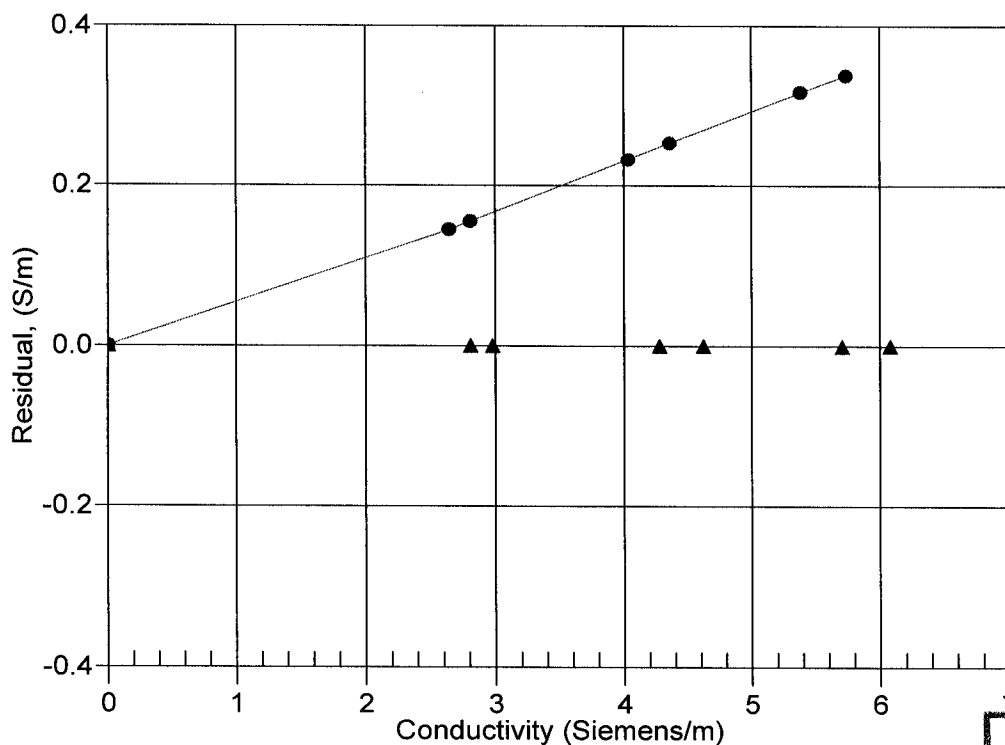
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 04-Sep-03 0.9452333
▲ 18-Mar-05 1.0000000

**POST CRUISE
CALIBRATION**