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SENSOR SERIAL NUMBER: 2980  
CALIBRATION DATE: 14-Jul-05

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

GHIJ COEFFICIENTS

g = -1.04464874e+001  
h = 1.40152995e+000  
i = 1.13698134e-002  
j = -6.31382489e-004  
CPcor = -9.5700e-008 (nominal)  
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.72584183e-001  
b = 1.24147807e+000  
c = -1.04835258e+001  
d = -3.12874819e-004  
m = 2.1  
CPcor = -9.5700e-008 (nominal)

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.70503	0.00000	0.00000
-1.0000	34.9555	2.81474	5.17086	2.81480	0.00005
1.0000	34.9558	2.98675	5.28379	2.98671	-0.00004
15.0000	34.9559	4.28692	6.06956	4.28686	-0.00006
18.5000	34.9550	4.63478	6.26302	4.63481	0.00003
29.0000	34.9514	5.72195	6.83219	5.72201	0.00006
32.5000	34.9437	6.09569	7.01714	6.09564	-0.00005

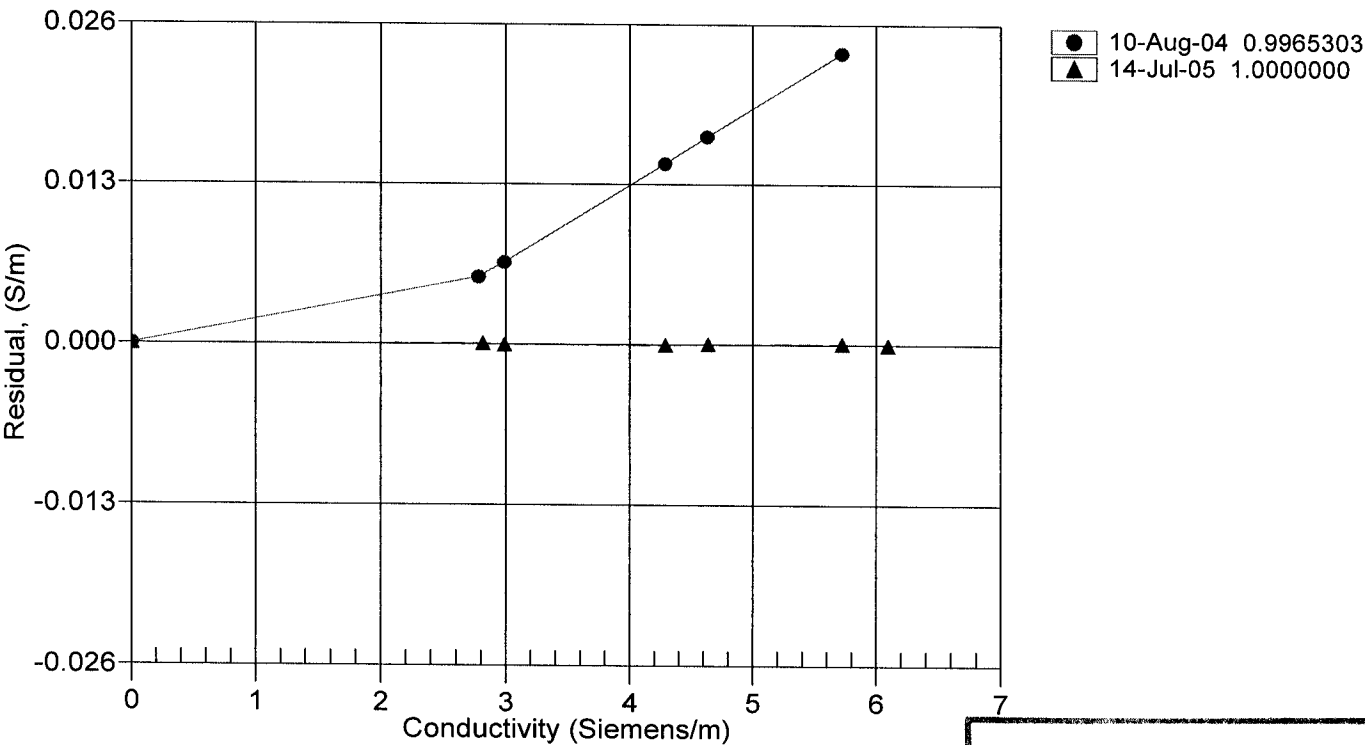
Conductivity = (g + hf<sup>2</sup> + if<sup>3</sup> + jf<sup>4</sup>) / 10(1 + δt + εp) Siemens/meter

Conductivity = (af<sup>m</sup> + bf<sup>2</sup> + 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



POST CRUISE  
CALIBRATION