SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 1387
CALIBRATION DATE: 31-May-07

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

GHIJ COEFFICIENTS

g = -4.22352036e+000
h = 4.80786509e-001
i = -4.76743356e-005
j = 2.73984820e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.86076455e-005
b = 4.80696857e-001
c = -4.22361543e+000
d = -8.94417404e-005
m = 4.1
CPcor = -9.5700e-008 (nominal)

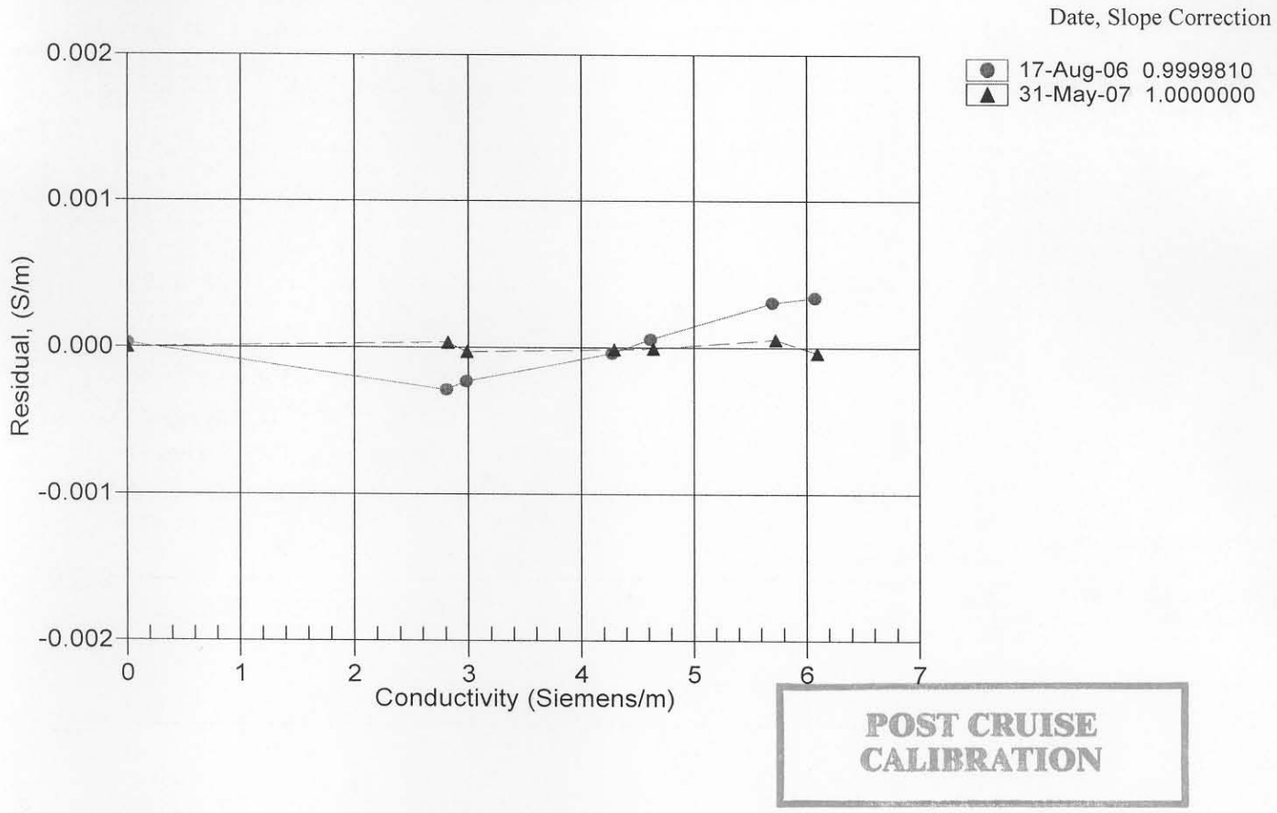
BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.96357	0.00000	0.00000
-1.0001	34.9525	2.81451	8.19284	2.81455	0.00003
0.9999	34.9530	2.98652	8.40690	2.98649	-0.00003
14.9999	34.9527	4.28656	9.87419	4.28655	-0.00001
18.4998	34.9524	4.63445	10.23060	4.63444	-0.00001
28.9999	34.9502	5.72176	11.27066	5.72182	0.00006
32.4999	34.9445	6.09580	11.60630	6.09576	-0.00004

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

Conductivity = $(af^m + bf^2 + c + dt) / [10 (1 + \varepsilon p)$ Siemens/meter

t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients



POST CRUISE CALIBRATION