

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: 2206
CALIBRATION DATE: 23-May-02

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

GHIJ COEFFICIENTS

g = -1.05399983e+001
h = 1.67438531e+000
i = -4.41681463e-003
j = 4.30345373e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.73145677e-009
b = 1.66177874e+000
c = -1.05126274e+001
d = -6.98044880e-005
m = 9.0
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	2.51526	0.00000	0.00000
-1.2764	35.2395	2.81183	4.82126	2.81180	-0.00002
1.0322	35.2397	3.01150	4.94430	3.01154	0.00004
14.9990	35.2409	4.31804	5.68340	4.31804	-0.00001
18.4990	35.2408	4.66845	5.86566	4.66841	-0.00004
28.9990	35.2390	5.76359	6.40165	5.76367	0.00008
32.4990	35.2361	6.14074	6.57590	6.14069	-0.00005

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

