

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2887
CALIBRATION DATE: 10-Oct-12

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

GHIJ COEFFICIENTS

g = -1.00559995e+001
h = 1.36668946e+000
i = -3.34446327e-003
j = 3.05669281e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 4.67183971e-009
b = 1.35646117e+000
c = -1.00304020e+001
d = -7.47105547e-005
m = 8.4
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	2.71936	0.00000	0.00000
-1.0000	34.6810	2.79469	5.29089	2.79467	-0.00002
1.0000	34.6810	2.96550	5.40855	2.96553	0.00003
15.0000	34.6822	4.25690	6.22588	4.25691	0.00001
18.5000	34.6825	4.60253	6.42682	4.60247	-0.00006
29.0000	34.6798	5.68247	7.01741	5.68256	0.00008
32.5001	34.6735	6.05391	7.20910	6.05386	-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

