

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2603
CALIBRATION DATE: 26-Jul-12

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

GHIJ COEFFICIENTS

g = -1.04932109e+001
h = 1.52688243e+000
i = -9.44443794e-004
j = 1.65138948e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.79841475e-005
b = 1.52475568e+000
c = -1.04894521e+001
d = -8.34392704e-005
m = 4.7
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	2.62266	0.00000	0.00000
-0.9999	34.4728	2.77948	5.00855	2.77949	0.00001
1.0000	34.4736	2.94945	5.11838	2.94944	-0.00000
15.0001	34.4753	4.23419	5.88225	4.23416	-0.00003
18.5000	34.4747	4.57792	6.07025	4.57795	0.00003
29.0001	34.4731	5.65241	6.62319	5.65241	-0.00000
32.5001	34.4641	6.02149	6.80265	6.02149	-0.00000

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

