

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1030
CALIBRATION DATE: 25-Mar-14

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -4.06349518e+000
h = 5.72141910e-001
i = 1.67685682e-004
j = 2.66965618e-005

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (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	2.66352	0.00000	0.00000
-1.0000	34.9019	2.81083	7.48073	2.81082	-0.00001
1.0000	34.9017	2.98257	7.67709	2.98258	0.00001
15.0000	34.9010	4.28090	9.02241	4.28091	0.00000
18.5000	34.9010	4.62839	9.34916	4.62838	-0.00001
29.0000	34.8990	5.71434	10.30251	5.71434	0.00000
32.5000	34.8914	6.08760	10.61001	6.08760	-0.00000

f = INST FREQ / 1000.0

Conductivity = (g + h * f² + i * f³ + j * f⁴) / (1 + δ * t + ε * p) Siemens / meter

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

Residual = instrument conductivity - bath conductivity

