

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1030
CALIBRATION DATE: 23-Jun-15

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

COEFFICIENTS:

g = -4.06892352e+000
h = 5.73373833e-001
i = -2.08100760e-005
j = 3.41196994e-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	2.66348	0.00000	0.00000
-1.0000	34.5979	2.78862	7.45404	2.78861	-0.00001
1.0000	34.5983	2.95910	7.64971	2.95912	0.00002
15.0000	34.5992	4.24779	8.99008	4.24778	-0.00001
18.5000	34.5991	4.59265	9.31563	4.59264	-0.00002
29.0000	34.5966	5.67037	10.26548	5.67043	0.00006
32.5000	34.5890	6.04082	10.57176	6.04078	-0.00004

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

