

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3021
 CALIBRATION DATE: 03-Dec-14

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

COEFFICIENTS:

g = -9.93397296e+000
 h = 1.38842335e+000
 i = 3.94803722e-004
 j = 4.51829341e-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	2.67353	0.00000	0.00000
-1.0000	34.7276	2.79810	5.21950	2.79809	-0.00001
1.0000	34.7276	2.96910	5.33574	2.96911	0.00001
15.0000	34.7266	4.26177	6.14322	4.26178	0.00001
18.5000	34.7261	4.60769	6.34177	4.60768	-0.00001
29.0000	34.7235	5.68883	6.92551	5.68883	0.00001
32.5001	34.7148	6.06030	7.11494	6.06030	-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

