

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1896
CALIBRATION DATE: 10-Feb-15

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

COEFFICIENTS:

g = -4.09828511e+000
h = 5.23899289e-001
i = -1.25544573e-003
j = 9.15610157e-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	2.80441	0.00000	0.00000
-1.0000	34.7158	2.79723	7.85563	2.79722	-0.00002
1.0000	34.7166	2.96825	8.06212	2.96828	0.00003
15.0000	34.7175	4.26077	9.47546	4.26076	-0.00002
18.5000	34.7175	4.60667	9.81846	4.60665	-0.00002
29.0000	34.7157	5.68769	10.81846	5.68777	0.00007
32.5001	34.7089	6.05939	11.14068	6.05934	-0.00005

$$f = \text{INST FREQ} / 1000.0$$

$$\text{Conductivity} = (g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p) \text{ Siemens / meter}$$

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

Residual = instrument conductivity - bath conductivity

