Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3994
CALIBRATION DATE: 02-Feb-16

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

COEFFICIENTS:

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g =  -9.91849250e+000
h =   1.50852145e+000
i =  -1.67822981e-003
j =   2.18627982e-004

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.56661	0.00000	0.00000
-1.0000	34.6358	2.79139	5.01274	2.79138	-0.00001
1.0000	34.6358	2.96200	5.12445	2.96201	0.00001
15.0000	34.6357	4.25180	5.90039	4.25182	0.00002
18.5000	34.6356	4.59698	6.09114	4.59695	-0.00003
29.0000	34.6334	5.67572	6.65182	5.67574	0.00002
32.5001	34.6264	6.04662	6.83383	6.04661	-0.00001

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity