Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0304
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 =  -4.08169306e+000
h =   4.33727490e-001
i =  -7.71000630e-004
j =   5.71180385e-005

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	3.07418	0.00000	0.00000
-1.0000	34.6358	2.79139	8.61278	2.79140	0.00001
1.0000	34.6358	2.96200	8.83891	2.96200	-0.00000
15.0000	34.6357	4.25180	10.38767	4.25179	-0.00001
18.5000	34.6356	4.59698	10.76352	4.59696	-0.00002
29.0000	34.6334	5.67572	11.85934	5.67579	0.00007
32.5001	34.6264	6.04662	12.21243	6.04658	-0.00004

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