Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0748
CALIBRATION DATE: 26-Jan-17

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

COEFFICIENTS:

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g =  -4.13204667e+000
h =   4.36237413e-001
i =  -7.17315731e-005
j =   2.29049217e-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	3.07768	0.00000	0.00000
-1.0000	34.5610	2.78592	8.55314	2.78592	0.00000
1.0000	34.5609	2.95621	8.77713	2.95622	0.00001
15.0000	34.5611	4.24361	10.31211	4.24356	-0.00005
18.5000	34.5602	4.58805	10.68496	4.58807	0.00002
29.0000	34.5586	5.66484	11.77292	5.66488	0.00004
32.5001	34.5503	6.03484	12.12366	6.03481	-0.00003

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