Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3061
CALIBRATION DATE: 21-Jan-16

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

COEFFICIENTS:

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g =  -9.81780307e+000
h =   1.17115957e+000
i =  -2.77573215e-004
j =   6.48423124e-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	2.89566	0.00000	0.00000
-1.0000	34.5566	2.78560	5.67042	2.78558	-0.00001
1.0000	34.5566	2.95587	5.79704	2.95588	0.00001
15.0000	34.5564	4.24309	6.67647	4.24310	0.00001
18.5000	34.5558	4.58753	6.89266	4.58752	-0.00001
29.0000	34.5548	5.66429	7.52831	5.66427	-0.00001
32.5000	34.5494	6.03469	7.73482	6.03470	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