Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0650
CALIBRATION DATE: 14-Jan-17

SBE 19 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -4.09912407e+000
h =   4.90739005e-001
i =   5.26705146e-004
j =   5.07678149e-006

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)
22.0000	0.0000	0.00000	2.88556	0.00000	0.00000
1.0000	34.6492	2.96304	8.25108	2.96298	-0.00006
4.5000	34.6290	3.26879	8.61519	3.26885	0.00006
15.0000	34.5860	4.24634	9.68610	4.24636	0.00002
18.5000	34.5764	4.58997	10.03499	4.58998	0.00001
24.0000	34.5655	5.14543	10.57411	5.14534	-0.00008
29.0000	34.5587	5.66486	11.05423	5.66491	0.00006
32.5000	34.5543	6.03545	11.38400	6.03544	-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