Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0808 CALIBRATION DATE: 04-Oct-16

SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 2.804606e-005 a1 = 2.714385e-004 a2 = -2.098072e-006 a3 = 1.519467e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	722756.6	-1.5000	0.0000
1.0000	645596.8	1.0000	-0.0000
4.5000	552787.8	4.4999	-0.0001
8.0000	474858.3	8.0000	-0.0000
11.5000	409200.8	11.5001	0.0001
14.9999	353705.1	15.0000	0.0001
18.5000	306645.2	18.5000	0.0000
22.0000	266616.3	22.0000	-0.0000
25.5000	232464.9	25.4999	-0.0001
29.0000	203241.7	29.0000	-0.0000
32.5000	178164.3	32.5000	0.0000

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1/{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]} - 273.15$

Residual ($^{\circ}$ C) = instrument temperature - bath temperature

