Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1777 CALIBRATION DATE: 02-Dec-15

SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 7.411042e-005 a1 = 2.721709e-004 a2 = -2.270258e-006 a3 = 1.482924e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	685038.6	-1.5000	0.0000
1.0000	610417.5	1.0000	-0.0000
4.5000	520932.2	4.5000	-0.0000
8.0000	446054.7	8.0000	-0.0000
11.5000	383180.8	11.5001	0.0001
15.0000	330211.2	15.0000	0.0000
18.5000	285437.3	18.5000	0.0000
22.0000	247470.3	22.0000	-0.0000
25.5000	215174.7	25.5000	-0.0000
29.0000	187621.3	29.0000	-0.0000
32.5000	164043.4	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

