Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1805 CALIBRATION DATE: 21-Nov-15 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.765519e-005 a1 = 2.918390e-004 a2 = -3.854320e-006 a3 = 1.966334e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	715044.2	1.0000	-0.0000
4.5000	611674.6	4.5000	0.0000
15.0000	390287.1	15.0001	0.0001
18.5001	338050.8	18.4999	-0.0002
24.0000	271299.5	24.0001	0.0001
29.0000	223458.5	29.0000	-0.0000
32.5000	195719.7	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

