

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 9017

CALIBRATION DATE: 30-Sep-15

SBE 37 V2 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -9.744770e-005

a1 = 3.048563e-004

a2 = -4.333656e-006

a3 = 1.967642e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	585452.0	1.0000	0.0000
4.5000	500507.0	4.5000	-0.0000
15.0000	318953.0	15.0000	-0.0000
18.5000	276198.0	18.5000	0.0000
23.9999	221619.0	24.0000	0.0001
29.0000	182537.0	28.9999	-0.0001
32.4999	159891.0	32.5000	0.0001

Temperature ITS-90 = $1/\{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

n = instrument output

