

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2332  
CALIBRATION DATE: 11-Feb-15

SBE 37 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

a0 = 1.453264e-005  
a1 = 2.791194e-004  
a2 = -3.325528e-006  
a3 = 1.946717e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	710201.6	0.9999	0.0000
4.5000	607640.0	4.5000	-0.0000
14.9999	387754.8	14.9999	-0.0000
18.4999	335821.3	18.5000	0.0001
24.0000	269438.0	23.9999	-0.0001
29.0000	221839.9	29.0000	0.0000
32.5000	194238.7	32.5000	0.0000

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

