

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2329  
CALIBRATION DATE: 03-Mar-15

SBE 37 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

a0 = -5.783427e-004  
a1 = 4.272200e-004  
a2 = -1.594808e-005  
a3 = 5.569303e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	716901.6	1.0000	0.0000
4.5000	614996.5	4.5000	-0.0000
15.0000	394874.8	15.0000	-0.0000
18.5000	342530.1	18.5000	-0.0000
24.0000	275401.6	24.0001	0.0001
29.0000	227118.8	28.9999	-0.0001
32.5000	199056.5	32.5001	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

