

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 9016

CALIBRATION DATE: 25-Sep-14

SBE 37 V2 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.511612e-004

a1 = 3.180063e-004

a2 = -5.312094e-006

a3 = 2.218720e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	571365.0	1.0000	-0.0000
4.5000	488534.0	4.5000	0.0000
15.0000	311462.0	14.9999	-0.0001
18.5000	269751.0	18.5001	0.0001
23.9999	216501.0	23.9999	-0.0000
29.0000	178363.0	29.0000	-0.0000
32.5000	156263.0	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

