

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 16-Oct-15

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.378369e-005
a1 = 2.974524e-004
a2 = -3.927128e-006
a3 = 1.864126e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	579883.0	0.9999	-0.0000
4.4999	495170.0	4.4999	0.0000
14.9999	314490.0	14.9999	-0.0000
18.4999	272035.0	18.5000	0.0001
24.0000	217910.0	23.9999	-0.0001
29.0000	179211.0	29.0000	0.0000
32.5000	156816.0	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

