

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 19-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.934517e-004
a1 = 3.276039e-004
a2 = -6.129282e-006
a3 = 2.439830e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0001	585450.0	1.0002	0.0001
4.5000	500520.0	4.4998	-0.0002
15.0000	318955.0	15.0001	0.0001
18.5000	276199.0	18.5001	0.0001
24.0000	221621.0	23.9998	-0.0002
29.0000	182539.0	29.0000	-0.0000
32.5000	159896.0	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

