

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2323
CALIBRATION DATE: 05-Jan-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.414022e-005
a1 = 2.918449e-004
a2 = -4.187794e-006
a3 = 2.093586e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	754697.7	1.0000	0.0000
4.5000	645040.0	4.5000	-0.0000
14.9999	410458.7	14.9999	0.0000
18.5000	355185.1	18.5000	-0.0000
24.0000	284622.7	24.0000	-0.0000
29.0000	234104.4	29.0000	-0.0000
32.5000	204842.1	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

