

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 18-Dec-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 9.362014e-005

a1 = 2.749817e-004

a2 = -2.964266e-006

a3 = 1.789082e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	597614.5	1.0000	0.0000
4.5000	510108.0	4.5000	-0.0000
15.0000	323381.8	14.9999	-0.0001
18.4999	279500.7	18.5000	0.0001
24.0000	223566.6	24.0000	-0.0000
29.0000	183590.4	28.9999	-0.0001
32.5000	160464.0	32.5001	0.0001

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

