

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2448
CALIBRATION DATE: 15-Dec-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.502513e-004

a1 = 3.125634e-004

a2 = -5.315452e-006

a3 = 2.312199e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677343.6	1.0000	-0.0000
4.5001	579348.7	4.5002	0.0001
15.0000	369573.7	15.0001	0.0001
18.5001	320100.3	18.4998	-0.0003
24.0000	256889.9	24.0003	0.0003
29.0001	211603.4	28.9999	-0.0002
32.5000	185348.6	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

