

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2448
 CALIBRATION DATE: 15-Dec-09

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -6.152151e-005
 a1 = 2.919742e-004
 a2 = -3.722492e-006
 a3 = 1.901245e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677374.9	1.0000	0.0000
4.4999	579374.4	4.4999	-0.0000
15.0000	369579.2	15.0001	0.0001
18.5000	320103.1	18.4999	-0.0001
23.9999	256892.4	23.9999	-0.0000
29.0000	211594.3	29.0001	0.0001
32.5001	185335.2	32.5001	-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

