

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2448
 CALIBRATION DATE: 04-Dec-09

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.417258e-005
 a1 = 2.901500e-004
 a2 = -3.571883e-006
 a3 = 1.859883e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677383.6	1.0000	0.0000
4.5000	579375.6	4.5000	-0.0000
15.0000	369577.4	15.0001	0.0001
18.5001	320099.9	18.5000	-0.0001
24.0000	256890.8	24.0000	-0.0000
29.0000	211593.8	29.0001	0.0001
32.5001	185335.3	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

