

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2336
CALIBRATION DATE: 21-Jan-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.338515e-004
a1 = 3.698626e-004
a2 = -1.087753e-005
a3 = 4.060123e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	663550.6	0.9999	0.0000
4.5000	568161.1	4.5000	-0.0000
14.9999	363127.5	14.9999	0.0000
18.5000	314597.7	18.5000	0.0000
23.9999	252511.5	23.9999	-0.0000
28.9999	207961.5	28.9999	-0.0000
32.5001	182114.6	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

