

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0826
CALIBRATION DATE: 10-Jul-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.475218e-005
a1 = 2.812816e-004
a2 = -2.885212e-006
a3 = 1.657231e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	737342.9	1.0000	0.0000
4.5000	630414.3	4.5000	-0.0000
15.0000	401705.4	15.0001	0.0001
18.5000	347813.0	18.4999	-0.0001
24.0000	278990.3	24.0001	0.0001
29.0000	229699.0	28.9999	-0.0001
32.5000	201133.1	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

