

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0827
CALIBRATION DATE: 10-Jul-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.062077e-004
a1 = 3.249442e-004
a2 = -5.924388e-006
a3 = 2.465787e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	597078.9	1.0001	0.0001
4.5000	511604.8	4.4999	-0.0001
15.0000	328067.2	15.0001	0.0001
18.5000	284640.9	18.4999	-0.0001
24.0000	229053.2	24.0000	-0.0000
29.0000	189130.9	28.9999	-0.0001
32.5000	165944.9	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

