

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1858
CALIBRATION DATE: 21-Dec-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.722456e-005
a1 = 2.825024e-004
a2 = -2.807503e-006
a3 = 1.720575e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	616274.0	1.0000	0.0000
4.5000	528364.3	4.5000	-0.0000
15.0000	339342.5	15.0000	-0.0000
18.5000	294546.5	18.5000	0.0000
23.9999	237160.2	23.9999	0.0000
29.0000	195903.8	28.9999	-0.0001
32.5000	171925.1	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

