

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3764
CALIBRATION DATE: 05-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.641976e-005
a1 = 2.694863e-004
a2 = -1.742701e-006
a3 = 1.412516e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	645054.1	1.0001	0.0001
4.5000	552850.2	4.4999	-0.0001
15.0000	354744.9	15.0002	0.0002
18.5000	307837.2	18.4999	-0.0001
24.0000	247765.5	23.9999	-0.0001
29.0000	204595.6	29.0001	0.0001
32.4999	179515.7	32.4999	-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

