

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3768
CALIBRATION DATE: 10-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.166213e-005
a1 = 2.704824e-004
a2 = -1.792240e-006
a3 = 1.425325e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	597716.3	1.0002	0.0002
4.5000	512223.4	4.4997	-0.0003
15.0000	328564.7	15.0003	0.0003
18.4999	285093.5	18.4999	0.0000
24.0000	229429.6	23.9997	-0.0003
29.0000	189431.2	29.0001	0.0001
32.5000	166197.1	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

