

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 14-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.456204e-005
a1 = 2.883176e-004
a2 = -4.047219e-006
a3 = 2.135563e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	710162.9	1.0000	-0.0000
4.5000	607616.3	4.5000	0.0000
14.9999	387748.4	14.9999	-0.0000
18.4999	335817.5	18.4999	0.0000
23.9999	269436.3	23.9998	-0.0001
29.0000	221838.6	29.0001	0.0001
32.5001	194239.8	32.5000	-0.0001

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

