

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1858
CALIBRATION DATE: 21-Jan-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.497443e-005
a1 = 2.722223e-004
a2 = -1.973778e-006
a3 = 1.495494e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	616288.4	0.9998	-0.0001
4.4999	528359.8	4.5000	0.0001
15.0000	339335.5	14.9999	-0.0001
18.5000	294541.0	18.4999	-0.0001
24.0000	237155.4	24.0001	0.0001
29.0000	195902.5	29.0000	0.0000
32.5000	171925.7	32.5000	-0.0000

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

