

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3765
CALIBRATION DATE: 18-Jan-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 4.953027e-005
a1 = 2.615374e-004
a2 = -1.166160e-006
a3 = 1.238282e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9997	671117.6	0.9999	0.0002
4.4999	574725.5	4.4996	-0.0003
15.0000	367931.9	15.0003	0.0003
18.5000	319050.8	18.5001	0.0001
24.0000	256512.1	23.9999	-0.0001
29.0000	211619.7	28.9997	-0.0003
32.5000	185552.8	32.5002	0.0002

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

