

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0361
CALIBRATION DATE: 13-Feb-14

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.571175e-005
a1 = 2.758043e-004
a2 = -2.606093e-006
a3 = 1.544552e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	689056.6	1.0000	-0.0000
4.5000	587668.4	4.5000	0.0000
15.0000	371838.4	15.0000	0.0000
18.5000	321235.4	18.5000	-0.0000
24.0000	256803.7	23.9999	-0.0001
28.9999	210805.1	29.0001	0.0002
32.4999	184221.1	32.4998	-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

