

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0360
CALIBRATION DATE: 24-Jan-15

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.028427e-005
a1 = 2.821176e-004
a2 = -3.087473e-006
a3 = 1.683338e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	674577.8	1.0000	-0.0000
4.5000	575548.2	4.5001	0.0001
15.0000	364576.3	15.0000	0.0000
18.5000	315071.7	18.4999	-0.0001
24.0000	252006.9	24.0000	-0.0000
29.0000	206961.8	29.0002	0.0002
32.5000	180919.4	32.4999	-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

n = instrument output

