

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 01-May-15

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 4.815696e-005
a1 = 2.714686e-004
a2 = -2.182823e-006
a3 = 1.457350e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	667048.9	1.0000	0.0000
4.5000	569546.9	4.4999	-0.0001
14.9999	361544.7	14.9999	-0.0000
18.4999	312663.0	18.5000	0.0001
24.0000	250341.0	24.0000	0.0000
29.0000	205784.3	28.9999	-0.0001
32.5000	179997.0	32.5001	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

