

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0256
CALIBRATION DATE: 17-Nov-12

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.417542e-005
a1 = 2.722233e-004
a2 = -2.271129e-006
a3 = 1.470359e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	706239.4	1.0000	-0.0000
4.5000	602844.3	4.5000	0.0000
15.0000	382385.9	15.0000	-0.0000
18.5000	330605.6	18.5000	-0.0000
24.0000	264607.9	24.0000	0.0000
29.0001	217438.5	29.0001	-0.0000
32.5000	190150.0	32.5000	0.0000

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

