

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 12120
CALIBRATION DATE: 16-Oct-15

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -7.419389e-005
a1 = 3.000259e-004
a2 = -3.928276e-006
a3 = 1.862029e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	573899.0	0.9999	0.0000
4.4999	490686.0	4.4999	-0.0000
14.9999	312804.0	14.9999	0.0000
18.4999	270905.0	18.4999	0.0000
24.0000	217410.0	24.0000	-0.0000
29.0000	179098.0	29.0000	-0.0000
32.5000	156896.0	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

n = instrument output

