

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2329
CALIBRATION DATE: 12-Mar-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.640921e-004
a1 = 4.238502e-004
a2 = -1.568356e-005
a3 = 5.500383e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	716877.8	1.0000	0.0000
4.5000	614979.9	4.4999	-0.0001
15.0000	394869.7	15.0000	0.0000
18.5000	342527.7	18.5001	0.0001
24.0000	275404.7	23.9999	-0.0001
29.0000	227120.8	29.0000	-0.0000
32.5000	199060.2	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

