

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 28-Jan-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 8.854717e-006
a1 = 2.805900e-004
a2 = -3.451378e-006
a3 = 1.982349e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	710184.8	1.0000	0.0000
4.4999	607636.7	4.4999	-0.0000
15.0000	387752.0	15.0001	0.0001
18.5000	335822.8	18.4999	-0.0001
24.0000	269437.3	23.9999	-0.0001
29.0000	221838.2	29.0001	0.0001
32.5000	194237.2	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

