

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3722

CALIBRATION DATE: 13-Sep-14

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.000400e-004

a1 = 2.969021e-004

a2 = -3.924521e-006

a3 = 1.977028e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	655999.0	0.9999	-0.0000
4.5000	562067.7	4.5000	0.0000
15.0000	360356.9	15.0000	0.0000
18.4999	312620.8	18.4998	-0.0001
24.0000	251507.4	24.0000	-0.0000
29.0000	207611.9	29.0002	0.0002
32.5000	182120.6	32.4999	-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

