

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0823

CALIBRATION DATE: 29-Sep-15

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.672573e-004

a1 = 3.327218e-004

a2 = -6.398693e-006

a3 = 2.584276e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	624849.8	1.0001	0.0001
4.5000	535900.6	4.4999	-0.0001
15.0000	344574.5	15.0001	0.0001
18.4999	299222.2	18.5000	0.0001
24.0000	241109.9	23.9999	-0.0001
29.0000	199322.7	28.9999	-0.0001
32.4999	175030.3	32.5000	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

