

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1251

CALIBRATION DATE: 29-Sep-15

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.013742e-005

a1 = 2.843749e-004

a2 = -2.908422e-006

a3 = 1.740641e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	578633.1	1.0000	0.0000
4.5000	496029.9	4.5000	-0.0000
15.0000	318470.8	15.0000	0.0000
18.4999	276406.8	18.4999	0.0000
24.0000	222525.9	24.0000	-0.0000
29.0000	183798.0	29.0000	-0.0000
32.4999	161293.0	32.4999	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

