

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3979
CALIBRATION DATE: 04-Mar-15

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 8.963441e-007
a1 = 2.721300e-004
a2 = -1.990421e-006
a3 = 1.465486e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	671152.0	1.0000	0.0000
4.5000	574968.1	4.4999	-0.0001
15.0000	368483.6	15.0000	0.0000
18.5000	319630.1	18.5001	0.0001
24.0000	257104.0	23.9999	-0.0001
29.0000	212195.7	29.0001	0.0001
32.5000	186116.8	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

