

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3936

CALIBRATION DATE: 22-Sep-15

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.894073e-005

a1 = 2.914763e-004

a2 = -3.501546e-006

a3 = 1.859681e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	642662.4	1.0001	0.0001
4.5000	550491.7	4.4998	-0.0002
15.0000	352640.9	15.0003	0.0003
18.5000	305851.0	18.4999	-0.0001
24.0000	245969.2	24.0000	-0.0000
29.0000	202975.5	28.9998	-0.0002
32.5001	178009.5	32.5002	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

