

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2331
CALIBRATION DATE: 17-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.035964e-004

a1 = 3.733797e-004

a2 = -1.281219e-005

a3 = 5.107502e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	703683.4	0.9999	-0.0001
4.5000	605188.1	4.5003	0.0003
15.0000	391099.5	14.9998	-0.0002
18.5000	339848.7	18.5000	-0.0000
24.0000	273894.0	24.0001	0.0001
29.0000	226270.7	29.0001	0.0001
32.4999	198516.4	32.4998	-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

