

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1806
CALIBRATION DATE: 05-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.987557e-005
a1 = 2.870078e-004
a2 = -3.470727e-006
a3 = 1.849337e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	682492.3	1.0000	0.0000
4.5000	583449.5	4.5000	-0.0000
15.0000	371607.4	14.9999	-0.0001
18.5000	321688.3	18.5001	0.0001
24.0000	257955.7	24.0000	-0.0000
29.0000	212313.4	29.0000	-0.0000
32.5000	185867.8	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

Date, Delta T (mdeg C)

