

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1806
CALIBRATION DATE: 09-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 2.812149e-006

a1 = 2.791582e-004

a2 = -2.842224e-006

a3 = 1.681566e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	682521.3	1.0000	0.0000
4.4999	583464.8	4.4999	-0.0000
15.0000	371604.1	15.0000	0.0000
18.5000	321686.1	18.5001	0.0001
24.0000	257953.6	23.9999	-0.0001
29.0000	212309.9	29.0001	0.0001
32.5000	185865.4	32.5000	-0.0000

Temperature ITS-90 = $1/\{a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

