

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0811
CALIBRATION DATE: 25-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.335136e-005

a1 = 2.886630e-004

a2 = -3.418346e-006

a3 = 1.808761e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	641210.2	1.0000	0.0000
4.5000	548280.5	4.4999	-0.0001
15.0000	349473.0	15.0001	0.0001
18.5000	302620.3	18.4999	-0.0001
24.0000	242782.0	23.9999	-0.0001
29.0000	199918.2	29.0000	0.0000
32.5000	175077.4	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)

