

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0817

CALIBRATION DATE: 17-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.365948e-004

a1 = 3.220518e-004

a2 = -5.593970e-006

a3 = 2.335229e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	685529.9	1.0000	0.0000
4.5000	587398.8	4.5000	-0.0000
15.0000	376716.0	15.0000	0.0000
18.5000	326866.3	18.5000	0.0000
24.0000	263060.0	24.0001	0.0001
29.0000	217236.3	28.9998	-0.0002
32.5000	190619.3	32.5001	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

Date, Delta T (mdeg C)

