

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1245
CALIBRATION DATE: 18-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.766497e-005

a1 = 2.837975e-004

a2 = -2.922794e-006

a3 = 1.720553e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	623920.5	1.0000	0.0000
4.4999	534459.6	4.4999	-0.0000
14.9999	342424.5	14.9999	0.0000
18.5000	296996.9	18.5000	-0.0000
24.0000	238860.1	24.0000	-0.0000
29.0000	197113.5	29.0001	0.0001
32.5000	172873.6	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)

