

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1242
CALIBRATION DATE: 17-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.291635e-004
a1 = 3.041780e-004
a2 = -4.522876e-006
a3 = 2.116832e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	668079.0	1.0000	-0.0000
4.5000	572099.8	4.5000	0.0000
15.0000	366197.5	15.0000	-0.0000
18.5000	317522.5	18.5000	-0.0000
24.0000	255255.4	24.0000	0.0000
29.0000	210566.9	29.0000	-0.0000
32.5000	184627.8	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)

