

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2328
CALIBRATION DATE: 01-Jan-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.466520e-004

a1 = 3.138243e-004

a2 = -5.783011e-006

a3 = 2.483981e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	730568.3	1.0000	0.0000
4.5000	624410.6	4.5000	-0.0000
15.0000	397341.6	15.0000	0.0000
18.5000	343848.8	18.5000	-0.0000
24.0000	275563.7	24.0001	0.0001
29.0000	226683.4	28.9999	-0.0001
32.5000	198369.9	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

