

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 10-Dec-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.234004e-004

a1 = 2.680096e-004

a2 = -2.419914e-006

a3 = 1.647334e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	597629.1	1.0000	0.0000
4.5000	510116.8	4.5000	-0.0000
15.0000	323384.0	15.0000	0.0000
18.5000	279502.7	18.5000	0.0000
24.0000	223566.5	24.0000	-0.0000
29.0000	183587.1	29.0000	-0.0000
32.5000	160460.0	32.5000	0.0000

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

