

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4078
CALIBRATION DATE: 05-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 8.598419e-006
a1 = 2.722921e-004
a2 = -2.026575e-006
a3 = 1.460081e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	666500.8	1.0000	0.0000
4.5000	570642.2	4.4999	-0.0001
15.0000	365091.5	15.0001	0.0001
18.5000	316521.0	18.5000	-0.0000
24.0000	254397.3	23.9999	-0.0001
29.0000	209815.3	29.0000	0.0000
32.4999	183942.6	32.4999	-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

