

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0827
CALIBRATION DATE: 18-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.082798e-004

a1 = 3.253737e-004

a2 = -5.954335e-006

a3 = 2.472853e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	597070.6	1.0000	0.0000
4.4999	511601.4	4.4998	-0.0001
14.9999	328071.3	14.9999	0.0000
18.5000	284642.0	18.5001	0.0001
24.0000	229057.9	23.9999	-0.0001
29.0000	189136.3	28.9999	-0.0001
32.5000	165950.6	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

