

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2325
CALIBRATION DATE: 11-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.119316e-004
a1 = 4.128909e-004
a2 = -1.447911e-005
a3 = 5.057597e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	682083.5	1.0001	0.0001
4.5000	584192.5	4.4998	-0.0002
15.0000	373524.9	15.0001	0.0001
18.5000	323624.1	18.5000	0.0000
24.0000	259759.6	24.0000	0.0000
29.0001	213925.3	28.9998	-0.0003
32.5000	187328.9	32.5002	0.0002

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

