

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 01-Nov-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -9.290014e-005
a1 = 3.088213e-004
a2 = -4.803036e-006
a3 = 2.088789e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	579868.0	1.0000	0.0000
4.5000	495155.0	4.5000	-0.0000
15.0000	314473.0	15.0000	0.0000
18.5000	272022.0	18.4999	-0.0001
24.0000	217900.0	24.0001	0.0001
29.0000	179208.0	28.9999	-0.0001
32.5000	156816.0	32.5000	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

