

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1860
CALIBRATION DATE: 10-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.403334e-005
a1 = 2.839488e-004
a2 = -2.904701e-006
a3 = 1.740463e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	659018.0	1.0000	0.0000
4.5000	565146.6	4.4999	-0.0001
15.0000	363209.6	15.0001	0.0001
18.5000	315332.9	18.4999	-0.0001
24.0000	253979.0	24.0000	0.0000
29.0000	209858.3	28.9999	-0.0001
32.4999	184208.7	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

