

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1856
CALIBRATION DATE: 09-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.720801e-005

a1 = 2.879879e-004

a2 = -3.289454e-006

a3 = 1.846698e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	601245.0	1.0000	0.0000
4.4999	515256.0	4.4999	-0.0000
15.0000	330500.7	15.0000	0.0000
18.5000	286754.0	18.5000	0.0000
24.0000	230741.3	23.9999	-0.0001
29.0000	190494.7	29.0001	0.0001
32.5000	167117.0	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

