

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2341
CALIBRATION DATE: 06-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.686117e-004
a1 = 3.711343e-004
a2 = -1.066455e-005
a3 = 3.888641e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	711865.4	1.0000	0.0000
4.5000	609054.6	4.4999	-0.0001
15.0000	388493.1	15.0002	0.0002
18.5000	336398.6	18.4999	-0.0001
24.0000	269813.0	23.9999	-0.0001
29.0000	222087.0	29.0001	0.0001
32.5000	194423.3	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

Date, Delta T (mdeg C)

