

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2318
CALIBRATION DATE: 10-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -4.394975e-004

a1 = 3.857057e-004

a2 = -1.202974e-005

a3 = 4.301018e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	765523.1	1.0000	0.0000
4.5000	655297.9	4.4999	-0.0001
15.0000	418479.1	15.0001	0.0001
18.5000	362462.0	18.5001	0.0001
24.0000	290821.3	23.9999	-0.0001
29.0000	239435.9	29.0000	0.0000
32.4999	209636.7	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

Date, Delta T (mdeg C)

