

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2448
CALIBRATION DATE: 29-Oct-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -4.803389e-005

a1 = 2.887475e-004

a2 = -3.465105e-006

a3 = 1.832796e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677379.8	1.0000	0.0000
4.5000	579373.3	4.4999	-0.0001
15.0000	369577.3	15.0000	0.0000
18.5000	320098.2	18.5000	0.0000
24.0000	256888.5	24.0000	0.0000
29.0000	211593.7	28.9999	-0.0001
32.5000	185332.9	32.5001	0.0001

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)

