

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2322
CALIBRATION DATE: 23-Jun-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.498263e-004

a1 = 3.172096e-004

a2 = -5.244886e-006

a3 = 2.218763e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	566367.6	0.9999	-0.0001
4.4999	484496.5	4.5000	0.0001
15.0000	309309.1	14.9999	-0.0001
18.5000	268000.4	18.5000	-0.0000
24.0000	215230.1	24.0000	0.0000
29.0000	177413.4	29.0001	0.0001
32.5000	155488.6	32.4999	-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)

