

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 19-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.282899e-005

a1 = 2.716754e-004

a2 = -1.938774e-006

a3 = 1.456395e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0001	642654.7	1.0001	0.0000
4.5000	550585.0	4.5000	-0.0000
15.0000	352912.1	15.0001	0.0001
18.5000	306141.5	18.4999	-0.0001
24.0000	246271.4	24.0000	-0.0000
29.0000	203270.4	29.0001	0.0001
32.5000	178297.6	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)

