

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1853
CALIBRATION DATE: 06-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.201120e-005
a1 = 2.840251e-004
a2 = -2.946530e-006
a3 = 1.745580e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	623065.9	0.9999	-0.0001
4.5000	533973.8	4.5001	0.0001
15.0000	342564.7	15.0000	0.0000
18.5000	297242.0	18.4998	-0.0002
24.0000	239200.0	24.0001	0.0001
29.0000	197497.3	29.0001	0.0001
32.5000	173271.6	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)

