

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1805
CALIBRATION DATE: 06-Feb-14

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.590871e-005
a1 = 2.793427e-004
a2 = -2.849660e-006
a3 = 1.697469e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	715054.5	0.9999	-0.0001
4.5000	611659.2	4.5002	0.0002
15.0000	390271.6	14.9999	-0.0001
18.5000	338037.1	18.4999	-0.0001
24.0000	271292.0	24.0000	0.0000
29.0000	223452.1	29.0002	0.0002
32.5000	195718.0	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

