

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1624
CALIBRATION DATE: 13-Feb-14

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -9.525587e-006
a1 = 2.783787e-004
a2 = -2.466446e-006
a3 = 1.609153e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	696619.3	-1.5000	0.0000
1.0000	622628.4	1.0000	-0.0000
4.5000	533570.2	4.4999	-0.0001
8.0000	458732.6	8.0000	0.0000
11.5000	395634.3	11.5001	0.0001
15.0000	342260.0	15.0000	0.0000
18.5000	296967.3	18.5000	-0.0000
22.0000	258412.0	22.0000	-0.0000
25.5000	225493.8	25.5000	-0.0000
29.0000	197306.0	29.0000	-0.0000
32.5001	173099.2	32.5001	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

n = instrument output

