

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1802
CALIBRATION DATE: 03-Jul-12

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.419556e-005

a1 = 2.784570e-004

a2 = -2.496312e-006

a3 = 1.606219e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	719707.7	-1.5000	0.0000
1.0000	643113.2	1.0000	-0.0000
4.5000	550947.4	4.5000	-0.0000
8.0002	473522.1	8.0002	-0.0000
11.5001	408268.7	11.5000	-0.0001
14.9998	353086.5	14.9999	0.0001
18.5000	306270.2	18.5001	0.0001
22.0000	266433.1	22.0000	-0.0000
25.5000	232429.3	25.5000	-0.0000
28.9999	203321.6	28.9998	-0.0001
32.4999	178330.0	32.5000	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

