

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 1869

CALIBRATION DATE: 30-Sep-16

SBE 37 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.489250e-005

a1 = 2.862505e-004

a2 = -3.072572e-006

a3 = 1.782087e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	616760.0	1.0000	-0.0000
4.5000	528771.1	4.5000	0.0000
15.0000	339595.9	15.0000	0.0000
18.5000	294767.6	18.4999	-0.0001
24.0000	237337.7	24.0001	0.0001
29.0000	196055.1	28.9999	-0.0001
32.5000	172061.0	32.5000	0.0000

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1/\{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

