Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 2333
CALIBRATION DATE: 25-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
a0 = -9.739428e-005
a1 = 3.069901e-004
a2 = -5.365456e-006
a3 = 2.393133e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9998	704259.2	0.9998	-0.0000
4.5000	601639.6	4.5001	0.0001
15.0000	382331.4	15.0000	-0.0000
18.5000	330708.1	18.5000	-0.0000
23.9999	264844.1	23.9999	0.0000
28.9999	217721.9	28.9999	0.0000
32.5001	190441.0	32.5001	-0.0000

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1/\{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]\}$ - 273.15

Residual (°C) = instrument temperature - bath temperature

Date, Offset (mdeg C)

● 25-May-21   -0.00