Sea-Bird Scientific 13431 NE 20th Street Bellevue, WA 98005 USA +1 425-643-9866 seabird@seabird.com www.seabird.com

SENSOR SERIAL NUMBER: 2328 SBE 37 TEMPERATURE CALIBRATION DATA CALIBRATION DATE: 14-Apr-23 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.718517e-004 a1 = 3.194758e-004 a2 = -6.204524e-006 a3 = 2.588559e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	730555.5	1.0000	0.0000
4.4999	624397.2	4.4999	-0.0000
15.0000	397327.3	15.0000	-0.0000
18.5000	343835.5	18.5000	0.0000
24.0000	275555.5	24.0000	0.0000
29.0000	226679.0	28.9999	-0.0001
32.5000	198369.6	32.5000	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 ($^{\circ}$ C) = instrument temperature - bath temperature

