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

SENSOR SERIAL NUMBER: 1810 CALIBRATION DATE: 27-Dec-24 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 3.552884e-006 a1 = 2.794104e-004 a2 = -2.818114e-006 a3 = 1.697170e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	654769.3	1.0000	0.0000
4.5000	560158.1	4.4999	-0.0001
15.0000	357518.8	15.0001	0.0001
18.5000	309702.4	18.5000	-0.0000
24.0000	248594.2	24.0001	0.0001
29.0000	204791.5	28.9999	-0.0001
32.5000	179389.4	32.5001	0.0001

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

