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SENSOR SERIAL NUMBER: 2325 CALIBRATION DATE: 21-Mar-24 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **COEFFICIENTS:**

a0 = -4.940849e-004 a1 = 4.087579e-004 a2 = -1.416076e-005 a3 = 4.976091e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
0.9999	682049.4	0.9999	-0.0000
4.5000	584152.8	4.5001	0.0001
14.9999	373516.1	14.9997	-0.0002
18.4999	323613.3	18.5000	0.0001
24.0000	259751.1	24.0001	0.0001
29.0000	213919.0	28.9998	-0.0002
32.5001	187323.2	32.5002	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

