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SENSOR SERIAL NUMBER: 50217 CALIBRATION DATE: 26-Jan-21 SBE 16plus V2 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.251100e-003 a1 = 2.760628e-004 a2 = -1.210201e-006 a3 = 1.813353e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	554706.700	1.0000	-0.0000
4.4999	489422.800	4.4999	0.0000
15.0000	330183.400	15.0000	0.0000
18.5000	288106.500	18.4999	-0.0001
24.0000	231441.700	24.0000	0.0000
29.0000	188666.300	29.0001	0.0001
32.5001	162979.900	32.5001	-0.0000

n = Instrument Output (counts)

MV = (n - 524288) / 1.6e + 007

R = (MV * 2.900e + 0.09 + 1.024e + 0.08) / (2.048e + 0.04 - MV * 2.0e + 0.05)

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

Residual ($^{\circ}$ C) = instrument temperature - bath temperature

