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SENSOR SERIAL NUMBER: 0092 CALIBRATION DATE: 02-Oct-19 SBE 45 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.217156e-005 a1 = 2.817791e-004 a2 = -2.819117e-006 a3 = 1.682841e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	628017.6	1.0000	-0.0000
4.5000	537625.6	4.5000	0.0000
15.0000	343830.1	15.0000	0.0000
18.5000	298045.5	18.4999	-0.0001
24.0000	239491.7	24.0000	0.0000
29.0000	197482.7	29.0000	0.0000
32.5000	173105.6	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

