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SENSOR SERIAL NUMBER: 0092 CALIBRATION DATE: 29-Mar-17 SBE 45 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 3.374284e-005 a1 = 2.710798e-004 a2 = -1.988180e-006 a3 = 1.467634e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	628085.6	1.0000	0.0000
4.5000	537683.2	4.4999	-0.0001
15.0000	343862.6	15.0000	0.0000
18.5000	298070.4	18.5001	0.0001
24.0000	239512.6	23.9999	-0.0001
29.0000	197495.2	29.0000	-0.0000
32.5000	173113.0	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

