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SENSOR SERIAL NUMBER: 2333 CALIBRATION DATE: 22-Jun-18 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -9.489593e-005 a1 = 3.065648e-004 a2 = -5.345673e-006 a3 = 2.391804e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	704168.4	1.0001	0.0001
4.5000	601587.0	4.4998	-0.0002
15.0000	382305.7	15.0001	0.0001
18.5000	330689.6	18.5000	0.0000
24.0000	264832.3	23.9999	-0.0001
28.9999	217713.4	28.9998	-0.0001
32.5001	190431.8	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

