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SENSOR SERIAL NUMBER: 3767 CALIBRATION DATE: 24-Apr-19 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.012134e-005 a1 = 2.839097e-004 a2 = -2.909483e-006 a3 = 1.717206e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	643875.3	1.0000	-0.0000
4.5000	551703.3	4.5000	0.0000
15.0000	353758.0	14.9999	-0.0001
18.5000	306904.5	18.5000	0.0000
23.9999	246924.9	24.0000	0.0001
29.0000	203839.4	28.9999	-0.0001
32.5000	178812.8	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

