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SENSOR SERIAL NUMBER: 4078 CALIBRATION DATE: 26-May-21

SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 3.528396e-006 a1 = 2.739984e-004 a2 = -2.201075e-006 a3 = 1.516473e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
0.9999	666438.7	0.9998	-0.0001
4.5000	570595.4	4.5002	0.0002
15.0000	365086.1	14.9998	-0.0002
18.4999	316514.5	18.5000	0.0001
24.0000	254390.1	23.9999	-0.0001
29.0000	209804.3	29.0003	0.0003
32.5000	183931.9	32.4998	-0.0002

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

