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SENSOR SERIAL NUMBER: 0826
CALIBRATION DATE: 31-Oct-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.678754e-005
a1 = 2.885359e-004
a2 = -3.432658e-006
a3 = 1.794988e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	737294.7	1.0000	0.0000
4.5000	630373.1	4.5000	-0.0000
14.9999	401682.7	15.0000	0.0001
18.5000	347795.0	18.4999	-0.0001
23.9999	278980.4	23.9999	0.0000
29.0000	229692.8	29.0001	0.0001
32.5000	201133.2	32.5000	-0.0000

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1 / \{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

