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SENSOR SERIAL NUMBER: 1679
CALIBRATION DATE: 20-Jul-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 8.046546e-006
a1 = 2.725063e-004
a2 = -2.075724e-006
a3 = 1.501991e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	658520.4	1.0000	0.0001
4.4999	564119.4	4.4998	-0.0001
14.9999	361457.3	15.0000	0.0001
18.4999	313511.8	18.5000	0.0001
24.0000	252148.3	23.9999	-0.0001
28.9999	208079.4	28.9999	0.0000
32.5000	182488.1	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

