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SENSOR SERIAL NUMBER: 0399
 CALIBRATION DATE: 09-Dec-17

SBE 45 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 6.547460e-005
 a1 = 2.718550e-004
 a2 = -2.262964e-006
 a3 = 1.466715e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	643685.0	1.0000	0.0000
4.5000	549144.3	4.5000	-0.0000
15.0000	347773.7	15.0000	0.0000
18.4999	300532.8	18.4999	-0.0000
24.0000	240356.8	24.0000	0.0000
29.0000	197381.5	29.0000	-0.0000
32.5000	172532.7	32.5000	0.0000

n = Instrument Output (counts)

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

Residual (°C) = instrument temperature - bath temperature

