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SENSOR SERIAL NUMBER: 6244
 CALIBRATION DATE: 10-Jun-21

SBE 19plus V2 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.323611e-003
 a1 = 2.485825e-004
 a2 = 1.127110e-006
 a3 = 9.351498e-008

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	627457.756	1.0000	-0.0000
4.5000	555835.644	4.5000	0.0000
15.0000	378601.311	14.9999	-0.0001
18.5000	331213.644	18.5001	0.0001
24.0000	267091.867	24.0000	-0.0000
29.0000	218479.667	29.0000	-0.0000
32.4999	189219.733	32.4999	0.0000

n = Instrument Output (counts)

$MV = (n - 524288) / 1.6e+007$

$R = (MV * 2.900e+009 + 1.024e+008) / (2.048e+004 - MV * 2.0e+005)$

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

Residual (°C) = instrument temperature - bath temperature

