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SENSOR SERIAL NUMBER: 7297
CALIBRATION DATE: 27-Jun-17

SBE 16plus V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.236930e-003
a1 = 2.790223e-004
a2 = -1.602604e-006
a3 = 1.997199e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	563635.300	1.0000	-0.0000
4.5000	497788.700	4.5000	0.0000
15.0000	336782.400	15.0000	0.0000
18.5000	294141.000	18.4999	-0.0001
24.0000	236649.000	24.0000	-0.0000
28.9999	193196.182	29.0001	0.0002
32.5000	167082.000	32.4999	-0.0001

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 / {a0 + a1[ln(R)] + a2[ln²(R)] + a3[ln³(R)]} - 273.15

Residual (°C) = instrument temperature - bath temperature

