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SENSOR SERIAL NUMBER: 6628
CALIBRATION DATE: 14-Jan-21

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

COEFFICIENTS:

a0 = 1.315317e-003
a1 = 2.571980e-004
a2 = 1.586903e-007
a3 = 1.340699e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	595671.300	0.9999	-0.0000
4.5000	526304.100	4.5000	0.0000
15.0000	355910.000	15.0000	-0.0000
18.5000	310652.900	18.4999	-0.0001
24.0000	249602.300	24.0001	0.0001
29.0000	203471.400	28.9999	-0.0001
32.5000	175763.700	32.5000	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 / {a0 + a1[ln(R)] + a2[ln²(R)] + a3[ln³(R)]} - 273.15

Residual (°C) = instrument temperature - bath temperature

