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SENSOR SERIAL NUMBER: 6627
CALIBRATION DATE: 13-Mar-18

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

COEFFICIENTS:

a0 = 1.281650e-003
a1 = 2.582000e-004
a2 = -7.108597e-010
a3 = 1.386373e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	650011.800	0.9999	0.0000
4.5000	577087.700	4.4999	-0.0001
15.0000	395563.400	15.0000	-0.0000
18.5000	346767.000	18.5002	0.0002
24.0000	280559.400	23.9999	-0.0001
29.0000	230223.100	29.0000	-0.0000
32.5000	199864.700	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

