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SENSOR SERIAL NUMBER: 4607
CALIBRATION DATE: 03-Jun-22

SBE 16plus TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.149616e-003
a1 = 2.716415e-004
a2 = -6.223561e-007
a3 = 1.655270e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	720763.100	1.0001	0.0001
4.5000	646213.500	4.4999	-0.0001
15.0000	456448.900	15.0001	0.0001
18.5000	404275.700	18.5000	-0.0000
24.0000	332550.100	24.0000	-0.0000
29.0000	277230.200	28.9999	-0.0001
32.5000	243495.900	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

