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SENSOR SERIAL NUMBER: 6826
CALIBRATION DATE: 12-Jan-21

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

COEFFICIENTS:

a0 = 1.317561e-003
a1 = 2.525562e-004
a2 = 6.628593e-007
a3 = 1.122540e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	618291.300	1.0001	0.0001
4.5000	547280.800	4.4999	-0.0001
15.0000	371934.600	15.0000	0.0000
18.4999	325149.300	18.5001	0.0002
24.0000	261905.200	23.9998	-0.0002
28.9999	214005.900	29.0000	0.0001
32.5001	185195.200	32.5001	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

