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SENSOR SERIAL NUMBER: 6592
CALIBRATION DATE: 08-Mar-18

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

COEFFICIENTS:

a0 = 1.285203e-003
a1 = 2.573300e-004
a2 = 1.017668e-007
a3 = 1.343380e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	648534.100	1.0000	0.0000
4.5000	575682.900	4.5000	-0.0000
15.0000	394411.400	15.0001	0.0001
18.5000	345707.545	18.4999	-0.0001
24.0000	279629.300	23.9999	-0.0001
29.0000	229404.300	29.0001	0.0001
32.5000	199119.700	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) = $1 / \{a0 + a1[\ln(R)] + a2[\ln^2(R)] + a3[\ln^3(R)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

