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SENSOR SERIAL NUMBER: 7021
CALIBRATION DATE: 21-Dec-17

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

COEFFICIENTS:
a0 = 1.238664e-003
a1 = 2.794728e-004
a2 = -1.737176e-006
a3 = 2.061146e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	564052.400	1.0000	0.0000
4.5000	498083.000	4.4999	-0.0001
15.0000	336785.100	15.0001	0.0001
18.5000	294077.900	18.4999	-0.0001
23.9999	236506.900	23.9999	-0.0000
29.0000	193004.500	29.0000	0.0000
32.5000	166866.000	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

Date, Offset (mdeg C)
● 25-Nov-15   -0.27
▲ 21-Dec-17   0.00

POST CRUISE CALIBRATION

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