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SENSOR SERIAL NUMBER: 4285
CALIBRATION DATE: 10-Jan-20

SBE 16plus TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
a0 = 1.264630e-003
a1 = 2.594131e-004
a2 = 3.149286e-007
a3 = 1.363454e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	623853.500	1.0000	0.0000
4.5000	553954.200	4.5000	-0.0000
15.0000	380434.100	15.0000	-0.0000
18.5000	333840.200	18.5001	0.0001
24.0000	270596.100	23.9999	-0.0001
29.0000	222460.600	29.0000	0.0000
32.5000	193393.200	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)
● 13-Mar-18 1.16
▲ 10-Jan-20 0.00

POST CRUISE CALIBRATION