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SENSOR SERIAL NUMBER: 6628
CALIBRATION DATE: 14-Dec-17

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

COEFFICIENTS:
a0 = 1.312129e-003
a1 = 2.583355e-004
a2 = 2.232731e-008
a3 = 1.396470e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	595580.900	0.9998	-0.0002
4.5000	526220.600	4.5003	0.0003
15.0000	355866.000	14.9997	-0.0003
18.5000	310613.200	18.5000	-0.0000
24.0000	249574.200	24.0001	0.0001
29.0000	203449.700	29.0002	0.0002
32.5000	175750.600	32.4998	-0.0002

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)
● 17-Jan-15 -1.28
▲ 14-Dec-17 -0.00

POST CRUISE CALIBRATION

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