SENSOR SERIAL NUMBER: 6627
CALIBRATION DATE: 17-May-22

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

COEFFICIENTS:
a0 =  1.279640e-003
a1 =  2.589457e-004
a2 = -9.278889e-008
a3 =  1.424070e-007

| BATH TEMP (° C) | INSTRUMENT OUTPUT (counts) | INST TEMP (° C) | RESIDUAL (° C) |
|---|---|---|---|
| 0.9999 | 650026.400 | 0.9999 | 0.0000 |
| 4.4999 | 577103.300 | 4.4998 | -0.0001 |
| 15.0000 | 395571.800 | 15.0000 | 0.0000 |
| 18.4999 | 346777.300 | 18.5000 | 0.0001 |
| 23.9999 | 280566.100 | 23.9998 | -0.0001 |
| 29.0000 | 230227.818 | 29.0000 | -0.0000 |
| 32.5000 | 199869.273 | 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   0.60
▲ 17-May-22   0.00

POST CRUISE CALIBRATION

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