

6.68

6.69

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SENSOR SERIAL NUMBER: 3200 CALIBRATION DATE: 20-Feb-25

SBE 43 OXYGEN CALIBRATION DATA

6.68

6.69

-0.00

-0.00

COEFFICIENTS: A = -2.9808e-03 NOMINAL DYNAMIC COEFFICIENTS
Soc = 0.4966 B = 1.4503e-04 D1 = 1.92634e-4 H1 = -3.300000e-2
Voffset = -0.5078 C = -2.7722e-06 D2 = -4.64803e-2 H2 = 5.00000e+3
Tau20 = 1.22 E nominal = 0.036 H3 = 1.45000e+3

BATH BATH BATH **INSTRUMENT INSTRUMENT RESIDUAL** OXYGEN (ml/l) TEMPERATURE (° C) SALINITY (PSU) OUTPUT (volts) OXYGEN (ml/l) (ml/l)0.742 -0.00 1.12 2.03 0.00 1.12 1.12 6.00 0.00 0.770 1.12 -0.00 1.12 20.00 0.00 0.872 1.12 0.00 1.13 12.00 0.00 0.814 1.12 -0.00 1.14 26.00 0.00 0.924 1.14 0.00 30.00 0.958 1.14 0.00 1.14 0.00 3.88 2.00 0.00 1.318 3.87 -0.00 3.88 12.00 0.00 1.564 3.88 0.00 3.88 6.00 0.00 1.417 3.88 -0.00 3.89 20.00 0.00 1.768 3.89 0.00 3.89 26.00 0.00 1.930 3.90 0.00 3.91 30.00 0.00 2.048 3.91 0.00 2.00 0.00 1.895 6.63 -0.00 6.63 6.64 6.00 0.00 2.064 6.64 0.00 30.00 6.64 0.00 3.123 6.64 -0.006.66 12.00 0.00 2.320 6.65 -0.00

2.672

2.949

V = instrument output (volts); T = temperature (°C); S = salinity (PSU); K = temperature (°K)

0.00

0.00

Oxsol(T,S) = oxygen saturation (ml/l); P = pressure (dbar)

Oxygen (ml/l) = Soc * (V + Voffset) * $(1.0 + A * T + B * T^2 + C * T^3) * Oxsol(T,S) * exp(E * P / K)$

Residual (ml/l) = instrument oxygen - bath oxygen

20.00

26.00

