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SENSOR SERIAL NUMBER: 2945  
 CALIBRATION DATE: 15-Feb-24

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS:            A = -2.8572e-003  
 Soc = 0.5208              B = 1.0377e-004  
 Voffset = -0.4917        C = -1.5042e-006  
 Tau20 = 1.31              E nominal = 0.036

NOMINAL DYNAMIC COEFFICIENTS  
 D1 = 1.92634e-4        H1 = -3.300000e-2  
 D2 = -4.64803e-2      H2 = 5.00000e+3  
 H3 = 1.45000e+3

BATH OXYGEN (ml/l)	BATH TEMPERATURE (° C)	BATH SALINITY (PSU)	INSTRUMENT OUTPUT (volts)	INSTRUMENT OXYGEN (ml/l)	RESIDUAL (ml/l)
1.17	2.00	0.00	0.724	1.16	-0.00
1.17	6.00	0.00	0.753	1.17	-0.00
1.17	12.00	0.00	0.797	1.17	-0.00
1.18	20.00	0.00	0.857	1.18	-0.00
1.18	26.00	0.00	0.905	1.18	0.00
1.19	30.00	0.00	0.939	1.19	0.01
3.87	2.00	0.00	1.264	3.87	0.00
3.89	6.00	0.00	1.361	3.89	-0.00
3.91	12.00	0.00	1.509	3.91	0.00
3.92	20.00	0.00	1.708	3.92	0.00
3.93	30.00	0.00	1.970	3.94	0.00
3.93	26.00	0.00	1.866	3.94	0.01
6.60	2.00	0.00	1.808	6.60	-0.00
6.65	6.00	0.00	1.979	6.65	0.00
6.71	12.00	0.00	2.239	6.71	0.00
6.76	20.00	0.00	2.588	6.75	-0.01
6.78	30.00	0.00	3.034	6.77	-0.01
6.82	26.00	0.00	2.872	6.82	0.00

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

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

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

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

