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SENSOR SERIAL NUMBER: 1648
CALIBRATION DATE: 03-Dec-22

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS:
Soc = 0.5284
Voffset = -0.4933
Tau20 = 1.37
A = -4.8162e-003
B = 1.8161e-004
C = -2.6059e-006
E nominal = 0.036

NOMINAL DYNAMIC COEFFICIENTS
D1 = 1.92634e-4
D2 = -4.64803e-2
H1 = -3.300000e-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)
1.16	12.00	0.00	0.795	1.16	0.00
1.16	20.00	0.00	0.853	1.16	-0.00
1.16	6.00	0.00	0.751	1.16	0.00
1.16	2.00	0.00	0.723	1.16	0.00
1.16	26.00	0.00	0.900	1.16	-0.00
1.17	30.00	0.00	0.935	1.17	-0.00
3.90	2.00	0.00	1.264	3.91	0.00
3.90	20.00	0.00	1.710	3.91	0.00
3.91	12.00	0.00	1.512	3.91	0.00
3.91	6.00	0.00	1.363	3.91	0.00
3.92	26.00	0.00	1.867	3.92	-0.00
3.94	30.00	0.00	1.977	3.93	-0.01
6.69	2.00	0.00	1.813	6.69	-0.00
6.73	6.00	0.00	1.988	6.72	-0.00
6.75	20.00	0.00	2.595	6.75	-0.00
6.76	12.00	0.00	2.252	6.76	-0.00
6.78	30.00	0.00	3.053	6.79	0.01
6.78	26.00	0.00	2.868	6.78	-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^2 + C * T^3) * Oxsol(T,S) * exp(E * P / K)
Residual (ml/l) = instrument oxygen - bath oxygen