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SENSOR SERIAL NUMBER: 2100
 CALIBRATION DATE: 20-Feb-19

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS: A = -4.4054e-003
 Soc = 0.4102 B = 1.3746e-004
 Voffset = -0.6668 C = -2.2182e-006
 Tau20 = 1.68 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	6.00	0.00	0.999	1.16	-0.01
1.18	2.00	0.00	0.963	1.17	-0.01
1.18	12.00	0.00	1.062	1.18	-0.00
1.19	20.00	0.00	1.148	1.19	-0.00
1.20	26.00	0.00	1.223	1.22	0.01
1.21	30.00	0.00	1.272	1.22	0.01
3.97	2.00	0.00	1.674	3.97	-0.00
3.97	6.00	0.00	1.802	3.97	0.00
4.00	12.00	0.00	2.010	4.00	0.00
4.02	20.00	0.00	2.289	4.02	-0.00
4.04	26.00	0.00	2.516	4.05	0.01
4.04	30.00	0.00	2.669	4.05	0.01
6.77	2.00	0.00	2.386	6.77	-0.00
6.80	6.00	0.00	2.614	6.81	0.00
6.85	12.00	0.00	2.966	6.85	-0.00
6.87	30.00	0.00	4.058	6.85	-0.01
6.91	20.00	0.00	3.455	6.91	-0.01
6.94	26.00	0.00	3.841	6.94	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 * T² + C * T³) * Oxsol(T,S) * exp(E * P / K)

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

