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SENSOR SERIAL NUMBER: 2394
 CALIBRATION DATE: 31-Jan-18

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS: A = -4.1752e-003
 Soc = 0.4172 B = 2.2778e-004
 Voffset = -0.5151 C = -3.3443e-006
 Tau20 = 1.07 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)
1.22	12.00	0.00	0.913	1.22	-0.00
1.23	20.00	0.00	0.986	1.23	-0.00
1.23	30.00	0.00	1.079	1.23	0.00
1.23	26.00	0.00	1.043	1.23	0.00
1.24	6.00	0.00	0.862	1.24	-0.00
1.24	2.00	0.00	0.825	1.24	-0.00
4.01	6.00	0.00	1.639	4.01	0.00
4.01	2.00	0.00	1.517	4.01	0.00
4.02	12.00	0.00	1.822	4.02	-0.00
4.02	20.00	0.00	2.061	4.02	0.00
4.03	26.00	0.00	2.241	4.03	0.00
4.04	30.00	0.00	2.365	4.04	0.00
6.83	2.00	0.00	2.220	6.83	-0.00
6.89	6.00	0.00	2.446	6.89	0.00
6.94	12.00	0.00	2.773	6.94	-0.00
6.98	30.00	0.00	3.709	6.97	-0.00
7.08	20.00	0.00	3.233	7.08	-0.00
7.13	26.00	0.00	3.567	7.13	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

