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SENSOR SERIAL NUMBER: 0719
CALIBRATION DATE: 27-Dec-17

SBE 43I OXYGEN CALIBRATION DATA

COEFFICIENTS:
Soc = 1.2005e-004
Foffset = -3418.03
Tau20 = 3.38

A = -3.8556e-003
B = 1.8975e-004
C = -2.9041e-006
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 OX (ml/l)	BATH TEMP (° C)	BATH SAL (PSU)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT OXYGEN (ml/l)	RESIDUAL (ml/l)
1.24	6.00	0.00	4622.11	1.24	0.00
1.25	12.00	0.00	4828.04	1.25	-0.00
1.27	20.00	0.00	5126.56	1.27	-0.00
1.28	2.00	0.00	4527.50	1.28	-0.00
1.29	26.00	0.00	5358.17	1.29	0.00
1.30	30.00	0.00	5516.34	1.30	0.00
3.95	6.00	0.00	7265.55	3.95	0.00
3.97	2.00	0.00	6860.48	3.97	-0.00
3.98	12.00	0.00	7920.39	3.98	-0.00
4.00	20.00	0.00	8783.70	4.00	-0.00
4.00	30.00	0.00	9874.00	4.00	0.00
4.00	26.00	0.00	9434.01	4.01	0.00
6.68	12.00	0.00	10983.04	6.68	-0.00
6.68	26.00	0.00	13462.40	6.69	0.00
6.69	30.00	0.00	14193.23	6.68	-0.00
6.70	2.00	0.00	9228.62	6.70	-0.00
6.71	6.00	0.00	9945.41	6.71	0.00
6.71	20.00	0.00	12419.85	6.71	-0.00

F = instrument output (Hz); T = temperature (°C); S = salinity (PSU); K = temperature (°K)

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

Oxygen (ml/l) = Soc * (F + Foffset) * (1.0 + A * T + B * T² + C * T³) * Oxsol(T,S) * exp(E * P / K)

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

