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SENSOR SERIAL NUMBER: 0719
CALIBRATION DATE: 11-Oct-19

SBE 43I OXYGEN CALIBRATION DATA

COEFFICIENTS:
Soc = 1.3036e-004
Foffset = -3373.03
Tau20 = 3.64

A = -3.5212e-003
B = 1.6680e-004
C = -2.4513e-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)
1.26	2.00	0.00	4382.49	1.27	0.00
1.27	6.00	0.00	4508.96	1.27	0.00
1.29	12.00	0.00	4715.53	1.29	-0.00
1.30	30.00	0.00	5302.43	1.30	0.00
1.30	26.00	0.00	5171.51	1.30	-0.00
1.30	20.00	0.00	4978.92	1.30	-0.00
4.01	2.00	0.00	6573.33	4.01	0.00
4.02	6.00	0.00	6968.94	4.02	0.00
4.03	12.00	0.00	7568.18	4.03	0.00
4.05	30.00	0.00	9375.25	4.05	0.00
4.05	20.00	0.00	8373.41	4.05	-0.00
4.05	26.00	0.00	8974.82	4.06	0.00
6.77	6.00	0.00	9432.07	6.77	0.00
6.78	2.00	0.00	8779.52	6.78	-0.00
6.78	30.00	0.00	13421.55	6.78	-0.00
6.79	12.00	0.00	10437.91	6.79	-0.00
6.81	26.00	0.00	12783.53	6.81	0.00
6.81	20.00	0.00	11779.38	6.81	-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

