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SENSOR SERIAL NUMBER: 0212
CALIBRATION DATE: 03-Apr-18

SBE 43F OXYGEN CALIBRATION DATA

COEFFICIENTS:

Soc = 2.9297e-004

Foffset = -788.37

Tau20 = 1.88

A = -4.1846e-003

B = 2.2220e-004

C = -3.6216e-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 OX (ml/l)	BATH TEMP (° C)	BATH SAL (PSU)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT OXYGEN (ml/l)	RESIDUAL (ml/l)
1.16	2.00	0.00	1201.193	1.16	0.00
1.16	6.00	0.00	1252.993	1.16	0.00
1.18	12.00	0.00	1337.195	1.18	-0.00
1.20	20.00	0.00	1446.070	1.20	-0.00
1.21	26.00	0.00	1531.152	1.21	-0.00
1.21	30.00	0.00	1588.974	1.21	0.00
3.99	2.00	0.00	2206.592	3.99	0.00
4.01	6.00	0.00	2386.983	4.01	0.00
4.02	12.00	0.00	2655.541	4.02	0.00
4.05	20.00	0.00	3016.002	4.05	-0.00
4.08	26.00	0.00	3294.186	4.08	-0.00
4.09	30.00	0.00	3487.742	4.09	-0.00
6.86	2.00	0.00	3224.548	6.86	-0.00
6.90	6.00	0.00	3542.741	6.90	-0.00
6.99	12.00	0.00	4030.391	6.99	0.00
7.04	30.00	0.00	5437.291	7.04	0.00
7.06	20.00	0.00	4667.772	7.06	0.00
7.14	26.00	0.00	5177.362	7.14	-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

