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SENSOR SERIAL NUMBER: 1348
CALIBRATION DATE: 11-Oct-17

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS:
Soc = 0.3326
Voffset = -0.5253
Tau20 = 1.06
A = -3.6625e-003
B = 2.1978e-004
C = -2.6452e-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 OXYGEN (ml/l)	BATH TEMPERATURE (° C)	BATH SALINITY (PSU)	INSTRUMENT OUTPUT (volts)	INSTRUMENT OXYGEN (ml/l)	RESIDUAL (ml/l)
1.08	2.00	0.00	0.860	1.07	-0.01
1.09	6.00	0.00	0.904	1.08	-0.01
1.09	12.00	0.00	0.968	1.09	-0.00
1.11	20.00	0.00	1.057	1.12	0.00
1.12	26.00	0.00	1.119	1.13	0.01
1.14	30.00	0.00	1.164	1.14	0.01
3.85	2.00	0.00	1.729	3.85	0.00
3.86	6.00	0.00	1.876	3.86	-0.00
3.89	12.00	0.00	2.104	3.89	0.00
3.91	20.00	0.00	2.385	3.91	0.00
3.93	30.00	0.00	2.722	3.93	-0.00
3.93	26.00	0.00	2.595	3.93	0.01
6.65	2.00	0.00	2.605	6.65	0.00
6.70	6.00	0.00	2.872	6.70	0.00
6.73	12.00	0.00	3.253	6.73	-0.00
6.81	30.00	0.00	4.334	6.81	0.00
6.82	20.00	0.00	3.770	6.82	0.00
6.86	26.00	0.00	4.128	6.85	-0.01

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

