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SENSOR SERIAL NUMBER: 2945
CALIBRATION DATE: 23-Dec-17

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS:
Soc = 0.4755
Voffset = -0.4840
Tau20 = 1.06
A = -3.9778e-003
B = 1.5990e-004
C = -2.3619e-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)
1.17	12.00	0.00	0.819	1.16	-0.00
1.17	6.00	0.00	0.772	1.17	0.00
1.17	2.00	0.00	0.740	1.17	-0.00
1.18	20.00	0.00	0.886	1.17	-0.00
1.19	26.00	0.00	0.940	1.19	-0.00
1.20	30.00	0.00	0.981	1.20	0.00
3.93	2.00	0.00	1.343	3.92	-0.00
3.94	6.00	0.00	1.453	3.94	0.00
3.94	12.00	0.00	1.616	3.94	0.00
3.96	20.00	0.00	1.841	3.96	-0.00
3.99	26.00	0.00	2.018	3.99	0.00
4.03	30.00	0.00	2.153	4.03	0.00
6.76	2.00	0.00	1.964	6.76	-0.00
6.80	6.00	0.00	2.158	6.81	0.00
6.84	12.00	0.00	2.448	6.84	-0.00
6.88	30.00	0.00	3.328	6.87	-0.00
6.88	20.00	0.00	2.840	6.88	-0.00
6.93	26.00	0.00	3.150	6.93	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

