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SENSOR SERIAL NUMBER: 2937  
CALIBRATION DATE: 07-Sep-22

#### SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS:  
Soc = 0.4740  
Voffset = -0.5033  
Tau20 = 1.10  
A = -4.8307e-003  
B = 1.8816e-004  
C = -2.3838e-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)
1.16	6.00	0.00	0.790	1.16	0.00
1.16	2.00	0.00	0.759	1.16	0.00
1.16	12.00	0.00	0.841	1.16	-0.00
1.17	20.00	0.00	0.909	1.17	-0.00
1.18	26.00	0.00	0.960	1.18	-0.00
1.18	30.00	0.00	0.993	1.18	-0.00
3.90	2.00	0.00	1.361	3.90	0.00
3.90	6.00	0.00	1.470	3.90	0.00
3.92	12.00	0.00	1.640	3.92	0.00
3.94	20.00	0.00	1.865	3.94	0.00
3.95	26.00	0.00	2.031	3.95	0.00
3.95	30.00	0.00	2.145	3.95	-0.00
6.67	2.00	0.00	1.970	6.67	-0.00
6.68	6.00	0.00	2.159	6.68	0.00
6.73	12.00	0.00	2.452	6.72	-0.00
6.76	30.00	0.00	3.313	6.76	0.00
6.79	20.00	0.00	2.851	6.79	0.00
6.82	26.00	0.00	3.144	6.82	-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 \* T<sup>2</sup> + C \* T<sup>3</sup>) \* Oxsol(T,S) \* exp(E \* P / K)

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

