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SENSOR SERIAL NUMBER: 4096  
 CALIBRATION DATE: 18-Feb-22

SBE 43F OXYGEN CALIBRATION DATA

COEFFICIENTS:  
 Soc = 3.2045e-004  
 Foffset = -851.57  
 Tau20 = 1.06  
 A = -4.0872e-003  
 B = 1.9424e-004  
 C = -3.0144e-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)
1.13	2.00	0.00	1217.940	1.13	-0.00
1.13	6.00	0.00	1265.077	1.13	-0.00
1.14	12.00	0.00	1337.443	1.14	-0.00
1.15	20.00	0.00	1433.016	1.15	0.00
1.16	26.00	0.00	1510.216	1.16	0.00
1.17	30.00	0.00	1565.391	1.17	0.00
3.91	2.00	0.00	2120.970	3.91	0.00
3.92	6.00	0.00	2281.252	3.92	-0.00
3.92	12.00	0.00	2518.852	3.92	0.00
3.93	20.00	0.00	2837.296	3.93	0.00
3.95	26.00	0.00	3085.528	3.95	0.00
3.96	30.00	0.00	3259.029	3.96	-0.00
6.71	2.00	0.00	3030.406	6.71	0.00
6.74	6.00	0.00	3309.229	6.74	-0.00
6.76	12.00	0.00	3724.991	6.76	0.00
6.82	20.00	0.00	4295.550	6.82	0.00
6.85	30.00	0.00	5016.492	6.85	0.00
6.86	26.00	0.00	4730.370	6.86	-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)

$$\text{Oxygen (ml/l)} = \text{Soc} * (\text{F} + \text{Foffset}) * (1.0 + \text{A} * \text{T} + \text{B} * \text{T}^2 + \text{C} * \text{T}^3) * \text{Oxsol(T,S)} * \exp(\text{E} * \text{P} / \text{K})$$

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

