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SENSOR SERIAL NUMBER: 0221
 CALIBRATION DATE: 25-Jan-24

SBE 43F OXYGEN CALIBRATION DATA

COEFFICIENTS:
 Soc = 2.6638e-004
 Foffset = -849.89
 Tau20 = 1.12
 A = -4.2218e-003
 B = 1.9963e-004
 C = -2.8241e-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)
1.19	30.00	0.00	1714.464	1.19	0.00
1.19	26.00	0.00	1657.575	1.19	0.00
1.19	20.00	0.00	1573.111	1.19	-0.00
1.20	12.00	0.00	1463.470	1.20	0.00
1.21	6.00	0.00	1380.002	1.21	-0.00
1.21	2.00	0.00	1323.715	1.21	-0.00
3.89	30.00	0.00	3678.516	3.89	0.00
3.89	26.00	0.00	3488.717	3.89	0.00
3.89	2.00	0.00	2371.767	3.89	-0.00
3.90	20.00	0.00	3212.335	3.90	-0.00
3.90	6.00	0.00	2564.429	3.90	-0.00
3.91	12.00	0.00	2847.882	3.91	-0.00
6.60	2.00	0.00	3429.813	6.60	0.00
6.64	6.00	0.00	3766.235	6.64	0.00
6.69	12.00	0.00	4272.324	6.69	0.00
6.70	30.00	0.00	5719.681	6.70	-0.00
6.73	20.00	0.00	4931.351	6.73	-0.00
6.74	26.00	0.00	5419.306	6.74	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

