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SENSOR SERIAL NUMBER: 0086
 CALIBRATION DATE: 03-Oct-23

SBE 43F OXYGEN CALIBRATION DATA

COEFFICIENTS:
 Soc = 2.4623e-004
 Foffset = -763.83
 Tau20 = 1.54
 A = -4.4356e-003
 B = 2.3402e-004
 C = -2.9612e-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)
1.21	20.00	0.00	1548.145	1.21	-0.00
1.21	30.00	0.00	1696.899	1.21	0.00
1.21	26.00	0.00	1638.865	1.21	-0.00
1.22	6.00	0.00	1343.005	1.22	-0.00
1.22	12.00	0.00	1436.855	1.22	-0.00
1.23	2.00	0.00	1284.132	1.23	0.00
3.99	12.00	0.00	2967.629	3.99	0.00
3.99	6.00	0.00	2662.039	3.99	0.00
3.99	30.00	0.00	3837.557	3.99	-0.00
4.00	26.00	0.00	3649.385	4.00	0.00
4.00	2.00	0.00	2456.493	4.00	0.00
4.00	20.00	0.00	3366.435	4.00	0.00
6.78	2.00	0.00	3632.561	6.78	-0.00
6.81	6.00	0.00	3997.711	6.81	-0.00
6.82	30.00	0.00	6015.332	6.82	0.00
6.86	12.00	0.00	4550.188	6.86	0.00
6.90	26.00	0.00	5743.386	6.90	-0.00
6.92	20.00	0.00	5262.284	6.91	-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

