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SENSOR SERIAL NUMBER: 0221
 CALIBRATION DATE: 14-Oct-17

SBE 43F OXYGEN CALIBRATION DATA

COEFFICIENTS:
 Soc = 2.5071e-004
 Foffset = -838.72
 Tau20 = 0.91
 A = -4.5282e-003
 B = 2.2918e-004
 C = -2.9284e-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)
1.08	2.00	0.00	1287.295	1.08	-0.00
1.08	6.00	0.00	1345.004	1.08	-0.00
1.10	12.00	0.00	1437.792	1.10	-0.00
1.12	26.00	0.00	1639.290	1.12	0.00
1.12	20.00	0.00	1556.406	1.12	0.00
1.13	30.00	0.00	1704.991	1.14	0.00
3.82	2.00	0.00	2426.948	3.82	-0.00
3.83	6.00	0.00	2628.469	3.83	-0.00
3.85	12.00	0.00	2931.968	3.85	-0.00
3.87	20.00	0.00	3321.702	3.87	-0.00
3.89	26.00	0.00	3610.826	3.89	0.00
3.91	30.00	0.00	3812.456	3.91	-0.00
6.62	2.00	0.00	3588.133	6.62	-0.00
6.65	6.00	0.00	3946.859	6.65	0.00
6.72	12.00	0.00	4490.108	6.72	0.00
6.77	20.00	0.00	5179.946	6.77	-0.00
6.80	26.00	0.00	5691.831	6.81	0.01
6.81	30.00	0.00	6014.923	6.80	-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

