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SENSOR SERIAL NUMBER: 0243
 CALIBRATION DATE: 09-Mar-19

SBE 43F OXYGEN CALIBRATION DATA

COEFFICIENTS:
 Soc = 3.1549e-004
 Foffset = -862.99
 Tau20 = 1.61
 A = -4.3784e-003
 B = 1.8140e-004
 C = -2.7504e-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)
1.16	6.00	0.00	1291.430	1.15	-0.00
1.16	2.00	0.00	1244.366	1.16	-0.00
1.16	12.00	0.00	1364.428	1.16	-0.00
1.18	20.00	0.00	1470.673	1.17	-0.00
1.18	26.00	0.00	1551.005	1.18	0.00
1.19	30.00	0.00	1607.097	1.19	0.00
3.93	2.00	0.00	2161.780	3.93	0.01
3.93	6.00	0.00	2326.451	3.94	0.00
3.95	12.00	0.00	2576.549	3.95	0.00
3.97	20.00	0.00	2919.347	3.97	0.00
3.98	26.00	0.00	3178.868	3.98	0.00
4.00	30.00	0.00	3366.260	4.00	-0.00
6.73	6.00	0.00	3362.285	6.73	0.00
6.73	2.00	0.00	3084.421	6.73	-0.00
6.84	12.01	0.00	3828.650	6.84	-0.00
6.88	20.00	0.00	4422.024	6.88	-0.00
6.91	30.00	0.00	5185.034	6.91	0.00
6.93	26.00	0.00	4889.899	6.93	-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

