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SENSOR SERIAL NUMBER: 2688
 CALIBRATION DATE: 26-Jan-19

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS:
 Soc = 0.5373
 Voffset = -0.5153
 Tau20 = 1.24

A = -4.6784e-003
 B = 1.8983e-004
 C = -2.7405e-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 OXYGEN (ml/l)	BATH TEMPERATURE (° C)	BATH SALINITY (PSU)	INSTRUMENT OUTPUT (volts)	INSTRUMENT OXYGEN (ml/l)	RESIDUAL (ml/l)
1.16	6.00	0.00	0.768	1.16	0.00
1.16	2.00	0.00	0.740	1.16	-0.00
1.16	12.00	0.00	0.812	1.16	-0.00
1.18	20.00	0.00	0.875	1.18	-0.00
1.21	26.00	0.00	0.928	1.21	0.00
1.22	30.00	0.00	0.964	1.22	0.00
3.96	2.00	0.00	1.283	3.96	-0.00
3.96	6.00	0.00	1.381	3.96	0.00
3.98	12.02	0.00	1.532	3.98	-0.00
4.02	20.00	0.00	1.739	4.02	-0.00
4.06	26.00	0.00	1.904	4.06	0.00
4.11	30.00	0.00	2.027	4.11	0.00
6.78	2.00	0.00	1.831	6.78	-0.00
6.81	6.00	0.00	2.003	6.81	0.00
6.88	12.03	0.00	2.275	6.88	-0.00
6.94	20.00	0.00	2.630	6.94	-0.00
7.00	26.01	0.00	2.912	7.01	0.00
7.07	30.00	0.00	3.115	7.07	-0.00

V = instrument output (volts); T = temperature (°C); S = salinity (PSU); K = temperature (°K)

Oxsol(T,S) = oxygen saturation (ml/l); P = pressure (dbar)

Oxygen (ml/l) = Soc * (V + Voffset) * (1.0 + A * T + B * T² + C * T³) * Oxsol(T,S) * exp(E * P / K)

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

