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SENSOR SERIAL NUMBER: 1266
CALIBRATION DATE: 25-Jan-18

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS:
Soc = 0.4183
Voffset = -0.5331
Tau20 = 1.37
A = -3.6840e-003
B = 2.0557e-004
C = -3.0805e-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)
1.13	2.00	0.00	0.814	1.13	-0.00
1.13	6.00	0.00	0.850	1.14	0.00
1.14	12.00	0.00	0.902	1.14	-0.00
1.15	20.00	0.00	0.972	1.15	-0.00
1.17	26.00	0.00	1.031	1.17	-0.00
1.18	30.00	0.00	1.073	1.19	0.00
3.92	2.00	0.00	1.509	3.92	0.00
3.93	6.00	0.00	1.629	3.93	-0.00
3.94	12.00	0.00	1.809	3.94	0.00
3.97	20.00	0.00	2.047	3.96	-0.00
4.00	26.00	0.00	2.238	4.01	0.00
4.05	30.00	0.00	2.380	4.05	0.00
6.79	2.00	0.00	2.221	6.79	-0.00
6.81	6.00	0.00	2.434	6.82	0.00
6.87	12.00	0.00	2.753	6.86	-0.00
6.94	20.00	0.00	3.181	6.93	-0.00
6.97	30.00	0.00	3.709	6.97	-0.00
6.98	26.00	0.00	3.508	6.99	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

