Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1348
CALIBRATION DATE: 16-Jun-12

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

```
Soc =  0.5499
Voffset = -0.5138
Tau20 = 1.25
A = -2.9584e-003
B =  1.4680e-004
C = -2.4828e-006
E nominal =  0.036
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NOMINAL DYNAMIC COEFFICIENTS

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D1 =  1.92634e-4   H1 = -3.30000e-2
D2 = -4.64803e-2   H2 =  5.00000e+3
                   H3 =  1.45000e+3
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BATH OX (ml/l)	BATH TEMP ITS-90	BATH SAL PSU	INSTRUMENT OUTPUT(VOLTS)	INSTRUMENT OXYGEN(ml/l)	RESIDUAL (ml/l)
1.22	2.00	0.11	0.743	1.21	-0.00
1.22	6.00	0.10	0.771	1.22	-0.00
1.23	12.00	0.09	0.815	1.23	-0.00
1.25	20.00	0.07	0.878	1.25	-0.00
1.26	26.00	0.06	0.925	1.26	-0.00
1.26	30.00	0.05	0.957	1.26	-0.00
4.07	2.00	0.11	1.285	4.08	0.01
4.08	6.00	0.10	1.379	4.09	0.01
4.09	12.00	0.09	1.520	4.09	0.01
4.09	26.00	0.06	1.857	4.10	0.01
4.10	20.00	0.07	1.711	4.10	0.00
4.11	30.00	0.05	1.964	4.12	0.01
6.75	30.00	0.05	2.890	6.75	-0.01
6.80	20.00	0.07	2.497	6.79	-0.00
6.82	26.00	0.06	2.747	6.82	0.00
6.85	12.00	0.09	2.197	6.85	-0.00
6.98	6.00	0.10	1.992	6.98	-0.00
7.05	2.00	0.11	1.846	7.05	-0.00

Oxygen (ml/l) = Soc * (V + Voffset) * (1.0 + A * T + B * T^2 + C * T^3) * OxSol(T,S) * exp(E * P / K)
V = voltage output from SBE43, T = temperature [deg C], S = salinity [PSU], K = temperature [Kelvin]
OxSol(T,S) = oxygen saturation [ml/l], P = pressure [dbar], Residual = instrument oxygen - bath oxygen