SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0387
CALIBRATION DATE: 30-Jul-08p

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 0.3932
Voffset = -0.4835
Tau20 = 1.12

A = 5.6088e-004
B = 4.8526e-005
C = -1.5281e-006
E nominal = 0.036

BATH OX (ml/l)	BATH TEMP ITS-90	BATH SAL PSU	INSTRUMENT OUTPUT(VOLTS)	INSTRUMENT OXYGEN(ml/l)	RESIDUAL (ml/l)
1.24	2.00	0.00	0.809	1.24	0.00
1.25	6.00	0.00	0.848	1.25	0.00
1.26	12.00	0.01	0.903	1.26	0.00
1.26	20.00	0.01	0.978	1.26	0.00
1.26	26.00	0.01	1.038	1.26	-0.00
1.27	30.00	0.01	1.083	1.27	0.00
4.13	30.00	0.01	2.432	4.13	-0.00
4.14	26.00	0.01	2.300	4.14	-0.00
4.16	20.00	0.01	2.115	4.16	0.00
4.18	2.00	0.00	1.579	4.17	-0.00
4.18	6.00	0.00	1.700	4.19	0.00
4.19	12.00	0.01	1.880	4.19	-0.00
6.51	30.00	0.01	3.557	6.51	0.00
6.59	26.00	0.01	3.379	6.60	0.01
6.66	20.00	0.01	3.099	6.66	-0.00
6.70	12.00	0.01	2.719	6.70	-0.00
6.72	2.00	0.00	2.248	6.72	-0.00
6.75	6.00	0.00	2.446	6.75	0.01

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 [deg K]
OxSol(T,S) = oxygen saturation [ml/l], P = pressure [dbar], Residual = instrument oxygen - bath oxygen