

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0098
 CALIBRATION DATE: 23-Jan-08p

SBE 43F OXYGEN CALIBRATION DATA

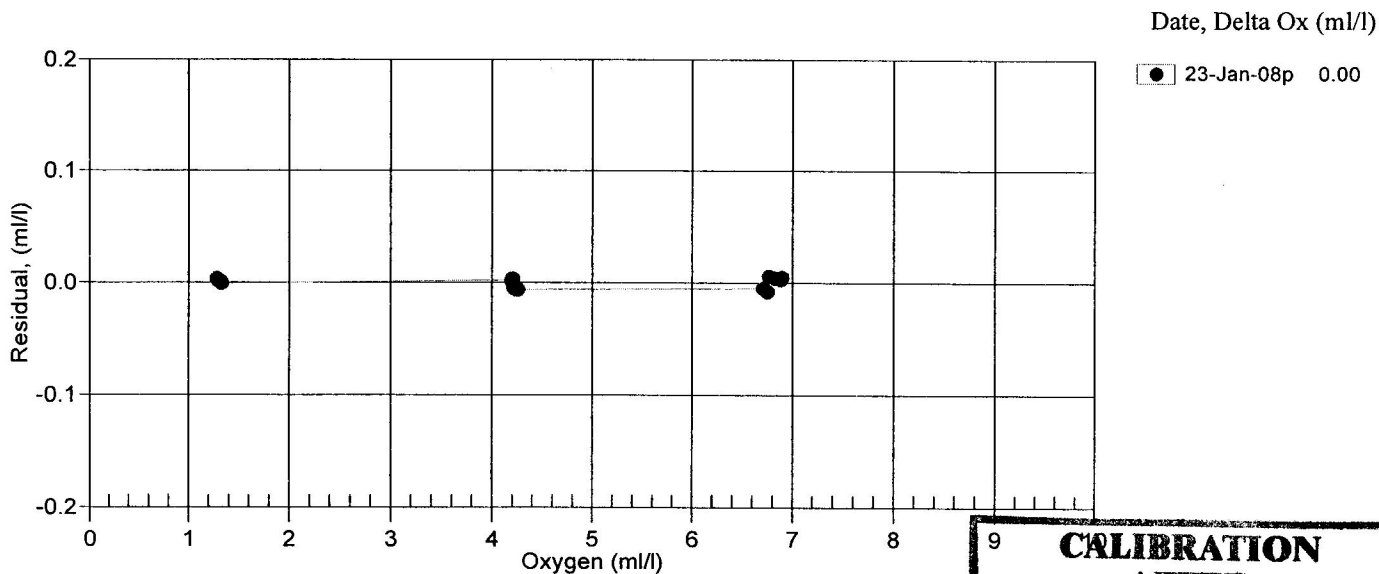
COEFFICIENTS

Soc = 2.5391e-004
 Foffset = -806.5054

A = -1.7638e-003
 B = 1.7276e-004
 C = -3.4856e-006
 E = 0.036

BATH OX (ml/l)	BATH TEMP ITS-90	BATH SAL PSU	INSTRUMENT OUTPUT(Hz)	INSTRUMENT OXYGEN(ml/l)	RESIDUAL (ml/l)
1.28	26.00	0.01	1690.646	1.29	0.00
1.29	20.00	0.01	1603.471	1.30	0.00
1.30	30.00	0.01	1763.761	1.30	0.00
1.30	12.00	0.01	1490.166	1.31	0.00
1.32	6.00	0.00	1406.682	1.32	0.00
1.33	2.00	0.00	1347.426	1.33	-0.00
4.19	20.00	0.01	3386.294	4.19	0.00
4.19	26.00	0.01	3688.936	4.19	0.00
4.20	30.00	0.01	3912.318	4.21	0.00
4.21	12.00	0.01	3009.067	4.21	-0.01
4.23	6.00	0.00	2728.067	4.23	-0.01
4.25	2.00	0.00	2539.447	4.25	-0.01
6.71	30.00	0.01	5755.539	6.70	-0.01
6.74	20.00	0.01	4952.175	6.74	-0.01
6.76	26.00	0.01	5456.979	6.77	0.01
6.82	12.00	0.01	4376.590	6.82	0.00
6.88	2.00	0.00	3617.624	6.89	0.00
6.89	6.00	0.00	3939.994	6.89	0.00

Oxygen (ml/l) = Soc * (F + Foffset) * (1.0 + A * T + B * T² + C * T³) * OxSol(T,S) * exp(E * P / K)
 F = frequency output from SBE43F, 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



**CALIBRATION
 AFTER
 MODIFICATIONS**