SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0910 CALIBRATION DATE: 11-Dec-10p

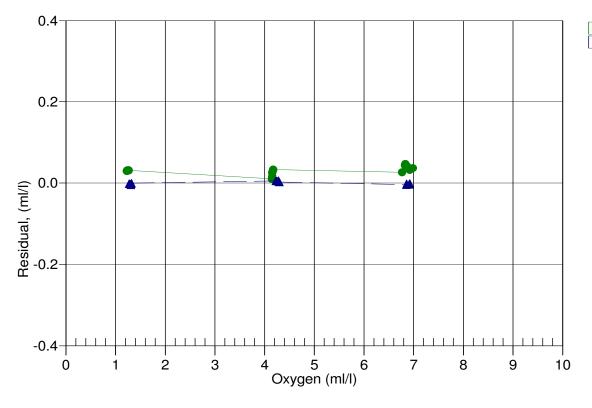
SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS	A = -1.0442e-003 NOMINAL DYNAMIC COEFFICIENTS			
Soc = 0.4014	B = 1.6851e-004	D1 = 1.92634e-4 $H1 = -3.30000e-2$		
Voffset = -0.5016	C = -3.7466e - 006	D2 = -4.64803e-2 $H2 = 5.00000e+3$		
Tau20 = 1.21	E nominal = 0.036	H3 = 1.45000e+3		

BATH OX	BATH TEMP	BATH SAL	INSTRUMENT	INSTRUMENT	RESIDUAL
(ml/l)	ITS-90	PSU	OUTPUT(VOLTS)	OXYGEN(ml/l)	(ml/l)
1.27	2.00	0.02	0.830	1.27	-0.00
1.28	6.00	0.02	0.869	1.28	-0.00
1.29	12.00	0.02	0.924	1.29	-0.00
1.31	20.00	0.03	1.004	1.30	-0.00
1.31	26.00	0.03	1.065	1.31	-0.00
1.32	30.00	0.03	1.111	1.32	-0.00
4.22	2.00	0.02	1.591	4.23	0.00
4.24	6.00	0.02	1.717	4.25	0.01
4.27	12.00	0.03	1.906	4.27	0.01
4.28	20.00	0.03	2.151	4.28	0.01
4.29	26.00	0.03	2.346	4.29	0.00
4.30	30.00	0.03	2.489	4.30	0.00
6.85	12.00	0.03	2.751	6.85	-0.00
6.85	30.00	0.03	3.669	6.85	-0.00
6.86	6.00	0.02	2.467	6.86	-0.00
6.91	20.00	0.03	3.162	6.91	-0.00
6.91	2.00	0.02	2.282	6.91	-0.00
6.92	26.00	0.03	3.475	6.92	-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 [deg K] OxSol(T,S) = oxygen saturation [ml/l], P = pressure [dbar], Residual = instrument oxygen - bath oxygen

Date, Delta Ox (ml/l)



● 13-Aug-10p 0.9940 ▲ 11-Dec-10p 1.0000