

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0348
CALIBRATION DATE: 20-Nov-07p

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 0.4366

Boc = 0.0000

Voffset = -0.4745

TCor = 0.0004

PCor = 1.350e-04

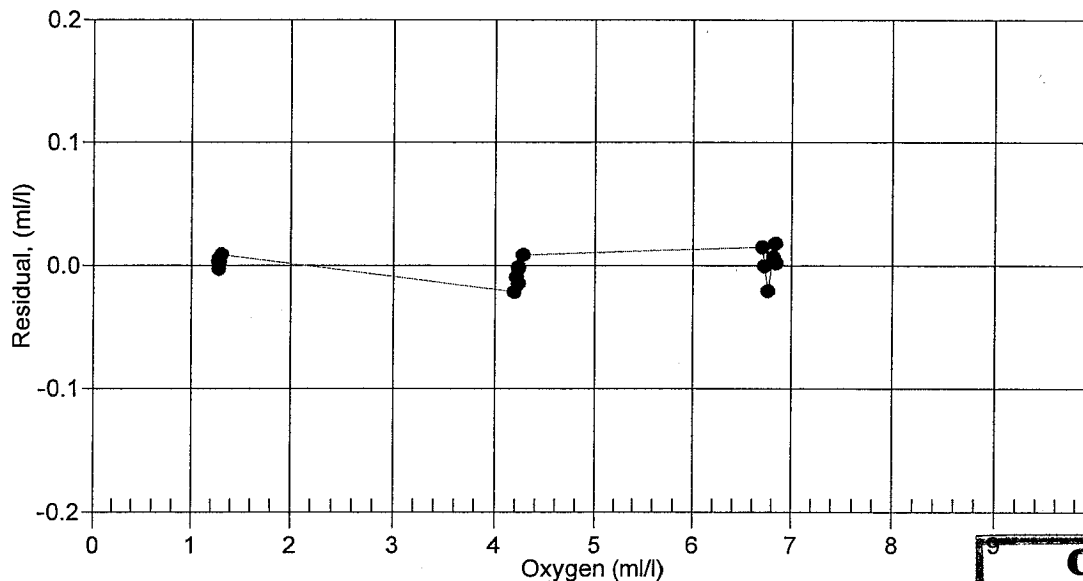
BATH OX (ml/l)	BATH TEMP ITS-90	BATH SAL PSU	INSTRUMENT OUTPUT(VOLTS)	INSTRUMENT OXYGEN(ml/l)	RESIDUAL (ml/l)
1.27	12.00	0.01	0.861	1.28	0.00
1.28	20.00	0.01	0.931	1.28	-0.00
1.28	6.00	0.00	0.812	1.29	0.01
1.28	2.00	0.00	0.778	1.28	0.00
1.28	26.00	0.01	0.989	1.29	0.00
1.30	30.00	0.01	1.035	1.31	0.01
4.19	20.00	0.01	1.963	4.17	-0.02
4.21	26.00	0.01	2.154	4.20	-0.01
4.23	12.00	0.01	1.752	4.22	-0.00
4.23	2.00	0.00	1.471	4.21	-0.01
4.23	6.00	0.00	1.584	4.23	-0.00
4.28	30.00	0.01	2.311	4.29	0.01
6.70	30.00	0.01	3.352	6.72	0.01
6.72	26.00	0.01	3.162	6.72	-0.00
6.76	20.00	0.01	2.883	6.74	-0.02
6.81	12.00	0.01	2.536	6.82	0.01
6.83	6.00	0.00	2.273	6.85	0.02
6.84	2.00	0.00	2.095	6.84	0.00

oxygen (ml/l) = (Soc * (V + Voffset)) * exp(Tcor * T) * Oxsat(T,S) * exp(PCor * P)

V = voltage output from SBE43, T = temperature [deg C], S = salinity [PSU]

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

Date, Delta Ox (ml/l)



**CALIBRATION
AFTER
MODIFICATIONS**