

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0113
CALIBRATION DATE: 18-Nov-04p

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 0.3789

Boc = 0.0000

Voffset = -0.6307

TCor = -0.0005

PCor = 1.350e-04

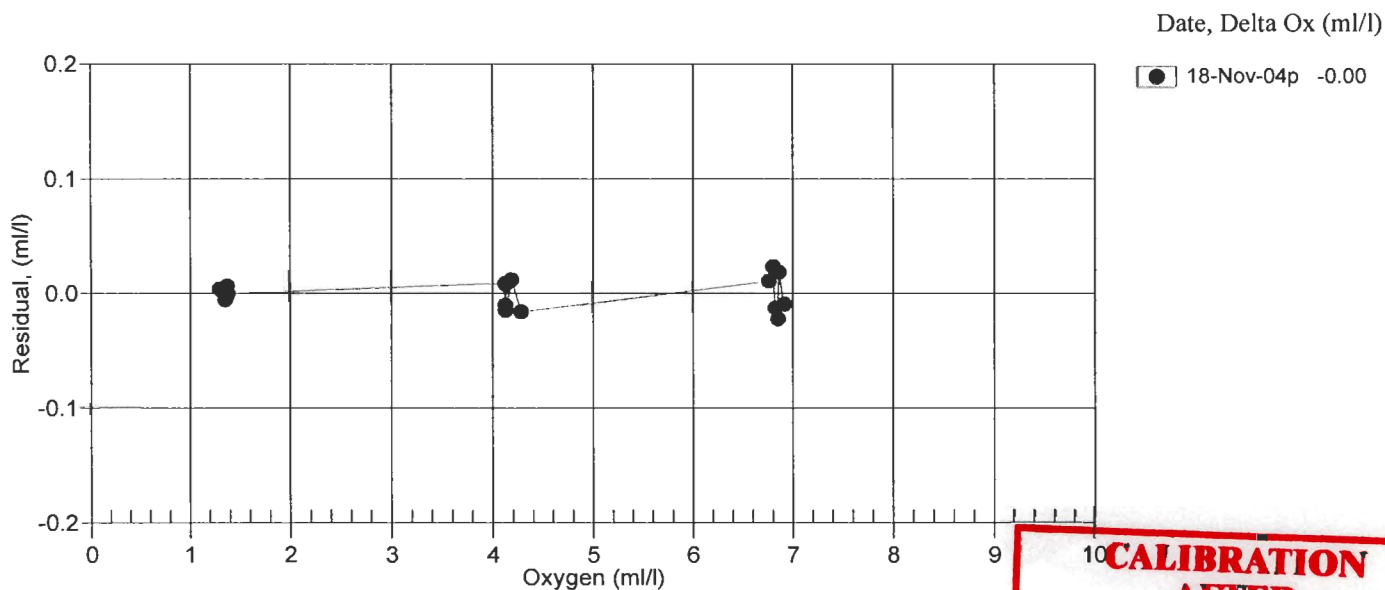
BATH OX (ml/l)	BATH TEMP ITS-90	BATH SAL PSU	INSTRUMENT OUTPUT(VOLTS)	INSTRUMENT OXYGEN(ml/l)	RESIDUAL (ml/l)
1.29	12.00	0.01	1.088	1.30	0.00
1.34	6.00	0.00	1.041	1.35	0.00
1.35	20.00	0.01	1.195	1.34	-0.01
1.36	26.00	0.01	1.274	1.36	-0.00
1.37	30.00	0.01	1.328	1.37	0.01
1.37	2.00	0.00	1.006	1.37	-0.00
4.12	12.00	0.01	2.085	4.13	0.01
4.12	26.00	0.01	2.570	4.11	-0.01
4.13	30.00	0.01	2.731	4.13	0.01
4.13	20.00	0.01	2.357	4.11	-0.02
4.18	6.00	0.00	1.907	4.20	0.01
4.28	2.00	0.00	1.796	4.26	-0.02
6.76	12.02	0.01	3.020	6.78	0.01
6.81	6.00	0.00	2.709	6.83	0.02
6.83	2.01	0.00	2.494	6.81	-0.01
6.85	20.00	0.01	3.496	6.83	-0.02
6.86	30.00	0.01	4.126	6.88	0.02
6.91	26.00	0.01	3.889	6.90	-0.01

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



**CALIBRATION
AFTER
MODIFICATIONS**