

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0703
CALIBRATION DATE: 20-Jun-07p

SBE 43 OXYGEN CALIBRATION DATA

COEFFICIENTS

Soc = 0.4035

Boc = 0.0000

Voffset = -0.4806

TCor = 0.0006

PCor = 1.350e-04

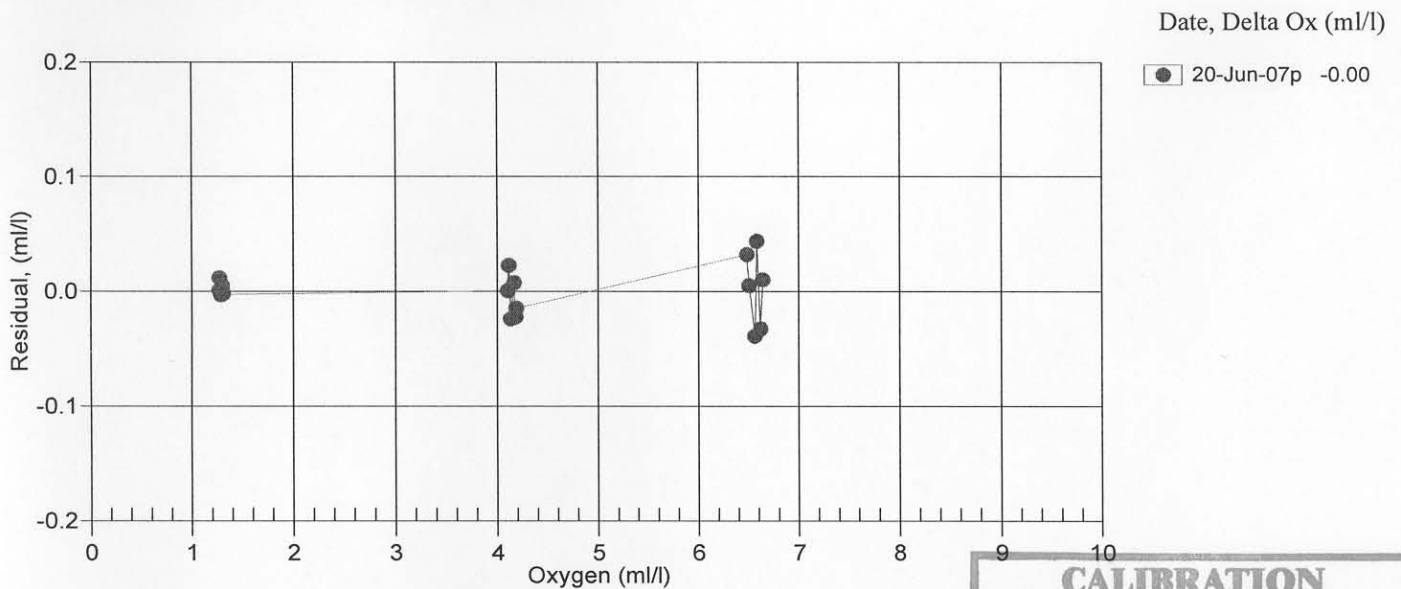
BATH OX (ml/l)	BATH TEMP ITS-90	BATH SAL PSU	INSTRUMENT OUTPUT(VOLTS)	INSTRUMENT OXYGEN(ml/l)	RESIDUAL (ml/l)
1.27	26.00	0.02	1.030	1.27	0.00
1.27	30.00	0.02	1.074	1.28	0.01
1.28	20.00	0.01	0.975	1.28	-0.00
1.29	2.00	0.00	0.813	1.30	0.00
1.30	12.00	0.01	0.904	1.30	-0.00
1.30	6.00	0.01	0.849	1.30	-0.00
4.10	26.00	0.02	2.248	4.10	0.00
4.11	30.00	0.02	2.391	4.14	0.02
4.13	20.00	0.01	2.066	4.11	-0.02
4.16	2.00	0.00	1.549	4.17	0.01
4.18	12.00	0.01	1.838	4.16	-0.02
4.18	6.00	0.01	1.664	4.17	-0.02
6.48	30.00	0.02	3.487	6.51	0.03
6.51	26.00	0.02	3.288	6.51	0.00
6.56	20.00	0.01	2.998	6.52	-0.04
6.58	2.00	0.00	2.178	6.63	0.04
6.62	12.00	0.01	2.632	6.58	-0.03
6.64	6.00	0.01	2.369	6.65	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**